



## SAR EVALUATION REPORT

**Applicant Name:**  
Apple Inc.  
One Apple Park Way  
Cupertino, CA 95014 USA

**Date of Testing:**  
12/20/2019 - 02/05/2020  
**Test Site/Location:**  
PCTEST Lab, Morgan Hill, CA, USA  
**Document Serial No.:**  
1C1912170055-01-R1.BCG

**FCC ID:** BCGA2232  
**APPLICANT:** APPLE, INC.

**DUT Type:** Tablet Device  
**Application Type:** Certification  
**FCC Rule Part(s):** CFR §2.1093  
**Model:** A2232  
**Additional Model(s):** A2233

| Equipment Class                            | Band & Mode        | Tx Frequency          | SAR            |
|--------------------------------------------|--------------------|-----------------------|----------------|
|                                            |                    |                       | 1g Body (W/kg) |
| PCB                                        | GPRS/EDGE 850      | 824.20 - 848.80 MHz   | 1.15           |
| PCB                                        | GPRS/EDGE 1900     | 1850.20 - 1909.80 MHz | 1.01           |
| PCB                                        | UMTS 850           | 826.40 - 846.60 MHz   | 1.18           |
| PCB                                        | UMTS 1750          | 1712.4 - 1752.6 MHz   | 1.13           |
| PCB                                        | UMTS 1900          | 1852.4 - 1907.6 MHz   | 1.19           |
| PCB                                        | LTE Band 12        | 699.7 - 715.3 MHz     | 1.14           |
| PCB                                        | LTE Band 17        | 706.5 - 713.5 MHz     | N/A            |
| PCB                                        | LTE Band 13        | 779.5 - 784.5 MHz     | 1.15           |
| PCB                                        | LTE Band 5 (Cell)  | 824.7 - 848.3 MHz     | 1.19           |
| PCB                                        | LTE Band 26 (Cell) | 814.7 - 848.3 MHz     | 1.19           |
| PCB                                        | LTE Band 4 (AWS)   | 1710.7 - 1754.3 MHz   | 1.12           |
| PCB                                        | LTE Band 66 (AWS)  | 1710.7 - 1779.3 MHz   | 1.19           |
| PCB                                        | LTE Band 2 (PCS)   | 1850.7 - 1909.3 MHz   | 1.12           |
| PCB                                        | LTE Band 25 (PCS)  | 1850.7 - 1914.3 MHz   | 1.16           |
| PCB                                        | LTE Band 30        | 2307.5 - 2312.5 MHz   | 1.08           |
| PCB                                        | LTE Band 7         | 2502.5 - 2567.5 MHz   | 1.15           |
| PCB                                        | LTE Band 41        | 2496.5 - 2567.5 MHz   | 1.19           |
| CBE                                        | LTE Band 4B        | 3552.5 - 3697.5 MHz   | 1.19           |
| DTS                                        | 2.4 GHz WLAN       | 2412 - 2472 MHz       | 1.12           |
| NII                                        | U-NII-1            | 5180 - 5240 MHz       | 1.18           |
| NII                                        | U-NII-2A           | 5260 - 5320 MHz       | N/A            |
| NII                                        | U-NII-2C           | 5500 - 5720 MHz       | 1.04           |
| NII                                        | U-NII-3            | 5745 - 5825 MHz       | 1.10           |
| DSS/DTS                                    | Bluetooth          | 2402 - 2480 MHz       | 1.16           |
| Simultaneous SAR per KDB 690783 D01v04v05: |                    |                       | 1.59           |

Note: This revised Test Report (S/N: 1C1912170055-01-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 of it accordingly.

This wireless portable device has been shown to be capable of compliance for localized specific absorption rate (SAR) for uncontrolled environment/general population exposure limits specified in ANSI/IEEE C95.1-1992 and has been tested in accordance with the measurement procedures specified in Section 1.7 of this report; for North American frequency bands only.

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. Test results reported herein relate only to the item(s) tested.

  
Randy Ortanez  
President



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|                                                |                                                                                                                  |                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                                    | <b>DUT Type:</b><br>Tablet Device      |
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|                                                |                                                                                                                  |                                        |
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# 1 DEVICE UNDER TEST

## 1.1 Device Overview

| Band & Mode        | Operating Modes | Tx Frequency          |
|--------------------|-----------------|-----------------------|
| GPRS/EDGE 850      | Data            | 824.20 - 848.80 MHz   |
| GPRS/EDGE 1900     | Data            | 1850.20 - 1909.80 MHz |
| UMTS 850           | Data            | 826.40 - 846.60 MHz   |
| UMTS 1750          | Data            | 1712.4 - 1752.6 MHz   |
| UMTS 1900          | Data            | 1852.4 - 1907.6 MHz   |
| LTE Band 12        | Data            | 699.7 - 715.3 MHz     |
| LTE Band 17        | Data            | 706.5 - 713.5 MHz     |
| LTE Band 13        | Data            | 779.5 - 784.5 MHz     |
| LTE Band 5 (Cell)  | Data            | 824.7 - 848.3 MHz     |
| LTE Band 26 (Cell) | Data            | 814.7 - 848.3 MHz     |
| LTE Band 4 (AWS)   | Data            | 1710.7 - 1754.3 MHz   |
| LTE Band 66 (AWS)  | Data            | 1710.7 - 1779.3 MHz   |
| LTE Band 2 (PCS)   | Data            | 1850.7 - 1909.3 MHz   |
| LTE Band 25 (PCS)  | Data            | 1850.7 - 1914.3 MHz   |
| LTE Band 30        | Data            | 2307.5 - 2312.5 MHz   |
| LTE Band 7         | Data            | 2502.5 - 2567.5 MHz   |
| LTE Band 41        | Data            | 2498.5 - 2687.5 MHz   |
| LTE Band 48        | Data            | 3552.5 - 3697.5 MHz   |
| 2.4 GHz WLAN       | Voice/Data      | 2412 - 2472 MHz       |
| U-NII-1            | Voice/Data      | 5180 - 5240 MHz       |
| U-NII-2A           | Voice/Data      | 5260 - 5320 MHz       |
| U-NII-2C           | Voice/Data      | 5500 - 5720 MHz       |
| U-NII-3            | Voice/Data      | 5745 - 5825 MHz       |
| Bluetooth          | Data            | 2402 - 2480 MHz       |

## 1.2 Power Reduction for SAR

This device uses the manufacturer's proprietary motion detect mode to determine proximity to the user's body and set the licensed power level accordingly for SAR compliance. When being used in the hand or the body, the output power for licensed transmitters will always be reduced. Per FCC KDB Guidance, SAR testing was performed only using reduced output powers following the test positions in KDB Publication 616217.

This device additionally utilizes a power reduction mechanism for Bluetooth and WLAN operations. When WLAN/Bluetooth is operating simultaneously with certain combinations of 2G/3G/4G and 5 GHz WLAN antennas, the output power of is permanently reduced. SAR evaluations were additionally performed at the maximum allowed output power for these scenarios to evaluate simultaneous transmission compliance.

Detailed descriptions of the power reduction mechanisms are included in the operational description. The power reduction mechanisms were confirmed during the SAR Evaluation. Appendix G contains a summary of the verification results.

## 1.3 Nominal and Maximum Output Power Specifications

This device operates using the following maximum and nominal output power specifications. SAR values were scaled to the maximum allowed power to determine compliance per KDB Publication 447498 D01v06.

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 3 of 284                   |

### 1.3.1 2G/3G/4G Output Power for Portable Use Conditions

**Table 1-1**  
**GPRS/EDGE 850**

| Antenna |                   | Data- Burst Average GMSK<br>(in dBm) |            | Data - Burst Average 8-PSK<br>(in dBm) |            |
|---------|-------------------|--------------------------------------|------------|----------------------------------------|------------|
|         |                   | 1 TX Slots                           | 2 TX Slots | 1 TX Slots                             | 2 TX Slots |
| Ant 1   | Max allowed power | 29.70                                | 26.70      | 25.75                                  | 24.75      |
|         | Nominal           | 28.95                                | 25.95      | 25.00                                  | 24.00      |
| Ant 3   | Max allowed power | 29.50                                | 28.00      | 27.75                                  | 26.75      |
|         | Nominal           | 28.75                                | 27.25      | 27.00                                  | 26.00      |

**Table 1-2**  
**GPRS/EDGE 1900**

| Antenna |                   | Data- Burst Average GMSK<br>(in dBm) |            | Data - Burst Average 8-PSK<br>(in dBm) |            |
|---------|-------------------|--------------------------------------|------------|----------------------------------------|------------|
|         |                   | 1 TX Slots                           | 2 TX Slots | 1 TX Slots                             | 2 TX Slots |
| Ant 2a  | Max allowed power | 24.00                                | 21.00      | 23.25                                  | 21.00      |
|         | Nominal           | 23.25                                | 20.25      | 22.50                                  | 20.25      |
| Ant 2b  | Max allowed power | 23.00                                | 20.00      | 23.00                                  | 20.00      |
|         | Nominal           | 22.25                                | 19.25      | 22.25                                  | 19.25      |
| Ant 4a  | Max allowed power | 23.30                                | 20.30      | 23.30                                  | 20.30      |
|         | Nominal           | 22.55                                | 19.55      | 22.55                                  | 19.55      |
| Ant 4b  | Max allowed power | 22.50                                | 19.50      | 22.50                                  | 19.50      |
|         | Nominal           | 21.75                                | 18.75      | 21.75                                  | 18.75      |

**Table 1-3**  
**UMTS B5 (850 MHz)**

| Antenna |                   | Modulated Average Output Power (in dBm) |                     |                     |                         |
|---------|-------------------|-----------------------------------------|---------------------|---------------------|-------------------------|
|         |                   | 3GPP WCDMA<br>Rel 99                    | 3GPP HSDPA<br>Rel 5 | 3GPP HSUPA<br>Rel 6 | 3GPP DC-<br>HSDPA Rel 8 |
| Ant 1   | Max allowed power | 20.70                                   | 20.70               | 20.70               | 20.70                   |
|         | Nominal           | 20.20                                   | 20.20               | 20.20               | 20.20                   |
| Ant 3   | Max allowed power | 21.80                                   | 21.80               | 21.80               | 21.80                   |
|         | Nominal           | 21.30                                   | 21.30               | 21.30               | 21.30                   |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
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**Table 1-4**  
**UMTS B4 (1750 MHz)**

| Antenna |                   | Modulated Average Output Power (in dBm) |                     |                     |                        |
|---------|-------------------|-----------------------------------------|---------------------|---------------------|------------------------|
|         |                   | 3GPP WCDMA<br>Rel 99                    | 3GPP HSDPA<br>Rel 5 | 3GPP HSUPA<br>Rel 6 | 3GPP DC-HSDPA<br>Rel 8 |
| Ant 2a  | Max allowed power | 15.90                                   | 15.90               | 15.90               | 15.90                  |
|         | Nominal           | 15.40                                   | 15.40               | 15.40               | 15.40                  |
| Ant 2b  | Max allowed power | 15.10                                   | 15.10               | 15.10               | 15.10                  |
|         | Nominal           | 14.10                                   | 14.10               | 14.10               | 14.10                  |
| Ant 4a  | Max allowed power | 14.80                                   | 14.80               | 14.80               | 14.80                  |
|         | Nominal           | 13.80                                   | 13.80               | 13.80               | 13.80                  |
| Ant 4b  | Max allowed power | 13.50                                   | 13.50               | 13.50               | 13.50                  |
|         | Nominal           | 12.50                                   | 12.50               | 12.50               | 12.50                  |

**Table 1-5**  
**UMTS B2 (1900 MHz)**

| Antenna |                   | Modulated Average Output Power (in dBm) |                     |                     |                         |
|---------|-------------------|-----------------------------------------|---------------------|---------------------|-------------------------|
|         |                   | 3GPP WCDMA<br>Rel 99                    | 3GPP HSDPA<br>Rel 5 | 3GPP HSUPA<br>Rel 6 | 3GPP DC-<br>HSDPA Rel 8 |
| Ant 2a  | Max allowed power | 15.00                                   | 15.00               | 15.00               | 15.00                   |
|         | Nominal           | 14.00                                   | 14.00               | 14.00               | 14.00                   |
| Ant 2b  | Max allowed power | 14.00                                   | 14.00               | 14.00               | 14.00                   |
|         | Nominal           | 13.00                                   | 13.00               | 13.00               | 13.00                   |
| Ant 4a  | Max allowed power | 14.80                                   | 14.80               | 14.80               | 14.80                   |
|         | Nominal           | 13.80                                   | 13.80               | 13.80               | 13.80                   |
| Ant 4b  | Max allowed power | 13.50                                   | 13.50               | 13.50               | 13.50                   |
|         | Nominal           | 12.50                                   | 12.50               | 12.50               | 12.50                   |

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 5 of 284                          |

| Mode / Band                           |                   | Modulated Average Output Power (in dBm) |       |        |        |        |        |
|---------------------------------------|-------------------|-----------------------------------------|-------|--------|--------|--------|--------|
|                                       |                   | Ant 1                                   | Ant 3 | Ant 2a | Ant 2b | Ant 4a | Ant 4b |
| LTE FDD Band 12                       | Max allowed power | 21.30                                   | 21.80 |        |        |        |        |
|                                       | Nominal           | 20.80                                   | 21.30 |        |        |        |        |
| LTE FDD Band 17                       | Max allowed power | 21.30                                   | 21.80 |        |        |        |        |
|                                       | Nominal           | 20.80                                   | 21.30 |        |        |        |        |
| LTE FDD Band 13                       | Max allowed power | 21.50                                   | 21.80 |        |        |        |        |
|                                       | Nominal           | 21.00                                   | 21.30 |        |        |        |        |
| LTE FDD Band 26                       | Max allowed power | 20.70                                   | 21.50 |        |        |        |        |
|                                       | Nominal           | 20.20                                   | 21.00 |        |        |        |        |
| LTE FDD Band 5                        | Max allowed power | 20.70                                   | 21.50 |        |        |        |        |
|                                       | Nominal           | 20.20                                   | 21.00 |        |        |        |        |
| LTE FDD Band 5 Intra-band ULCA        | Max allowed power | 20.70                                   | 21.50 |        |        |        |        |
|                                       | Nominal           | 19.70                                   | 20.50 |        |        |        |        |
| LTE FDD Band 4                        | Max allowed power |                                         |       | 14.90  | 15.10  | 14.80  | 13.50  |
|                                       | Nominal           |                                         |       | 13.90  | 14.10  | 13.80  | 12.50  |
| LTE FDD Band 66                       | Max allowed power |                                         |       | 14.90  | 15.10  | 14.80  | 13.50  |
|                                       | Nominal           |                                         |       | 13.90  | 14.10  | 13.80  | 12.50  |
| LTE FDD Band 2                        | Max allowed power |                                         |       | 15.00  | 14.00  | 14.80  | 13.50  |
|                                       | Nominal           |                                         |       | 14.00  | 13.00  | 13.80  | 12.50  |
| LTE FDD Band 25                       | Max allowed power |                                         |       | 15.00  | 14.00  | 14.80  | 13.50  |
|                                       | Nominal           |                                         |       | 14.00  | 13.00  | 13.80  | 12.50  |
| LTE FDD Band 30                       | Max allowed power |                                         |       | 14.00  | 13.10  | 13.50  | 13.50  |
|                                       | Nominal           |                                         |       | 13.00  | 12.10  | 12.50  | 12.50  |
| LTE FDD Band 7                        | Max allowed power |                                         |       | 14.10  | 11.80  | 14.60  | 12.50  |
|                                       | Nominal           |                                         |       | 13.10  | 10.80  | 13.60  | 11.50  |
| LTE FDD Band 7 Intra-band ULCA        | Max allowed power |                                         |       | 14.10  | 11.80  | 14.60  | 12.50  |
|                                       | Nominal           |                                         |       | 13.10  | 10.80  | 13.60  | 11.50  |
| LTE TDD Band 41 (PC3)                 | Max allowed power |                                         |       | 16.40  | 13.80  | 16.90  | 14.80  |
|                                       | Nominal           |                                         |       | 15.90  | 12.80  | 16.40  | 13.80  |
| LTE TDD Band 41 (PC3) Intra-band ULCA | Max allowed power |                                         |       | 16.40  | 13.80  | 16.90  | 14.80  |
|                                       | Nominal           |                                         |       | 15.40  | 12.80  | 15.90  | 13.80  |
| LTE TDD Band 41 (PC2)                 | Max allowed power |                                         |       | 16.40  | 13.80  | 16.90  | 14.80  |
|                                       | Nominal           |                                         |       | 15.90  | 12.80  | 16.40  | 13.80  |
| LTE TDD Band 41 (PC2) Intra-band ULCA | Max allowed power |                                         |       | 16.40  | 13.80  | 16.90  | 14.80  |
|                                       | Nominal           |                                         |       | 15.40  | 12.80  | 15.90  | 13.80  |
| LTE TDD Band 48                       | Max allowed power | 15.50                                   | 17.50 |        | 14.80  |        | 16.40  |
|                                       | Nominal           | 15.00                                   | 17.00 |        | 13.80  |        | 15.90  |

### 1.3.2 4G Output Power – Inter-band ULCA Active

| Mode / Band     |                   | Modulated Average Output Power (in dBm) |       |        |        |        |        |
|-----------------|-------------------|-----------------------------------------|-------|--------|--------|--------|--------|
|                 |                   | Ant 1                                   | Ant 3 | Ant 2a | Ant 2b | Ant 4a | Ant 4b |
| LTE FDD Band 12 | Max allowed power | 18.30                                   | 18.80 |        |        |        |        |
|                 | Nominal           | 17.80                                   | 18.30 |        |        |        |        |
| LTE FDD Band 13 | Max allowed power | 18.50                                   | 18.80 |        |        |        |        |
|                 | Nominal           | 18.00                                   | 18.30 |        |        |        |        |
| LTE FDD Band 5  | Max allowed power | 17.70                                   | 18.50 |        |        |        |        |
|                 | Nominal           | 17.20                                   | 18.00 |        |        |        |        |
| LTE FDD Band 4  | Max allowed power |                                         |       | 11.90  | 12.10  | 11.80  | 10.50  |
|                 | Nominal           |                                         |       | 10.90  | 11.10  | 10.80  | 9.50   |
| LTE FDD Band 66 | Max allowed power |                                         |       | 11.90  | 12.10  | 11.80  | 10.50  |
|                 | Nominal           |                                         |       | 10.90  | 11.10  | 10.80  | 9.50   |
| LTE FDD Band 2  | Max allowed power |                                         |       | 12.00  | 11.00  | 11.80  | 10.50  |
|                 | Nominal           |                                         |       | 11.00  | 10.00  | 10.80  | 9.50   |
| LTE FDD Band 30 | Max allowed power |                                         |       | 11.00  | 10.10  | 10.50  | 10.50  |
|                 | Nominal           |                                         |       | 10.00  | 9.10   | 9.50   | 9.50   |
| LTE FDD Band 7  | Max allowed power |                                         |       | 11.10  | 8.80   | 11.60  | 9.50   |
|                 | Nominal           |                                         |       | 10.10  | 7.80   | 10.60  | 8.50   |

|                                         |                                                                                                                  |                            |                                 |
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### 1.3.3 Unlicensed Maximum Output Power

Note: Targets for 802.11ax RU operations can be found in Appendix H.

#### A. Antenna 2A

| Mode / Band      |         | Modulated Average - Single Tx Chain (dBm) |
|------------------|---------|-------------------------------------------|
| Bluetooth BDR/LE | Maximum | <b>14.50</b>                              |
|                  | Nominal | <b>13.00</b>                              |
| Bluetooth EDR    | Maximum | <b>11.00</b>                              |
|                  | Nominal | <b>9.50</b>                               |
| Bluetooth HDR    | Maximum | <b>7.50</b>                               |
|                  | Nominal | <b>6.00</b>                               |
| Mode / Band      |         | Modulated Average - MIMO (dBm)            |
| Bluetooth BDR/LE | Maximum | <b>14.50</b>                              |
|                  | Nominal | <b>13.00</b>                              |
| Bluetooth EDR    | Maximum | <b>11.00</b>                              |
|                  | Nominal | <b>9.50</b>                               |
| Bluetooth HDR    | Maximum | <b>7.50</b>                               |
|                  | Nominal | <b>6.00</b>                               |

Note: In MIMO operations, Antenna 2A transmits at maximum allowed powers at indicated above.

| Mode/ Band                                             |                  |         | IEEE 802.11b (2.4 GHz) |         | IEEE 802.11g (2.4 GHz) |         | IEEE 802.11n (2.4 GHz)     |         | IEEE 802.11ax SU (2.4 GHz) |         |
|--------------------------------------------------------|------------------|---------|------------------------|---------|------------------------|---------|----------------------------|---------|----------------------------|---------|
|                                                        |                  | Channel | Maximum                | Nominal | Maximum                | Nominal | Maximum                    | Nominal | Maximum                    | Nominal |
| Modulated Average - Single Tx Chain (dBm) - Antenna 2A | 20 MHz Bandwidth | 1       | 14.00                  | 12.50   | 14.00                  | 12.50   | 14.00                      | 12.50   | 10.50                      | 9.00    |
|                                                        |                  | 2       | 14.00                  | 12.50   | 14.00                  | 12.50   | 14.00                      | 12.50   | 14.00                      | 12.50   |
|                                                        |                  | 3       | 14.00                  | 12.50   | 14.00                  | 12.50   | 14.00                      | 12.50   | 14.00                      | 12.50   |
|                                                        |                  | 4       | 14.00                  | 12.50   | 14.00                  | 12.50   | 14.00                      | 12.50   | 14.00                      | 12.50   |
|                                                        |                  | 5       | 14.00                  | 12.50   | 14.00                  | 12.50   | 14.00                      | 12.50   | 14.00                      | 12.50   |
|                                                        |                  | 6       | 14.00                  | 12.50   | 14.00                  | 12.50   | 14.00                      | 12.50   | 14.00                      | 12.50   |
|                                                        |                  | 7       | 14.00                  | 12.50   | 14.00                  | 12.50   | 14.00                      | 12.50   | 14.00                      | 12.50   |
|                                                        |                  | 8       | 14.00                  | 12.50   | 14.00                  | 12.50   | 14.00                      | 12.50   | 14.00                      | 12.50   |
|                                                        |                  | 9       | 14.00                  | 12.50   | 14.00                  | 12.50   | 14.00                      | 12.50   | 14.00                      | 12.50   |
|                                                        |                  | 10      | 14.00                  | 12.50   | 14.00                  | 12.50   | 14.00                      | 12.50   | 11.50                      | 10.00   |
|                                                        |                  | 11      | 14.00                  | 12.50   | 14.00                  | 12.50   | 14.00                      | 12.50   | 10.00                      | 8.50    |
|                                                        |                  | 12      | 14.00                  | 12.50   | 10.50                  | 9.00    | 10.50                      | 9.00    | 8.00                       | 6.50    |
|                                                        |                  | 13      | 12.00                  | 10.50   | 0.50                   | -1.00   | 0.50                       | -1.00   | N/A                        | N/A     |
| Mode/ Band                                             |                  |         | IEEE 802.11g (2.4 GHz) |         | IEEE 802.11n (2.4 GHz) |         | IEEE 802.11ax SU (2.4 GHz) |         |                            |         |
|                                                        |                  | Channel | Maximum                | Nominal | Maximum                | Nominal | Maximum                    | Nominal |                            |         |
| Modulated Average - 2 Tx Chain (dBm) - Antenna 2A      | 20 MHz Bandwidth | 1       | 14.00                  | 12.50   | 14.00                  | 12.50   | 10.00                      | 8.50    |                            |         |
|                                                        |                  | 2       | 14.00                  | 12.50   | 14.00                  | 12.50   | 14.00                      | 12.50   |                            |         |
|                                                        |                  | 3       | 14.00                  | 12.50   | 14.00                  | 12.50   | 14.00                      | 12.50   |                            |         |
|                                                        |                  | 4       | 14.00                  | 12.50   | 14.00                  | 12.50   | 14.00                      | 12.50   |                            |         |
|                                                        |                  | 5       | 14.00                  | 12.50   | 14.00                  | 12.50   | 14.00                      | 12.50   |                            |         |
|                                                        |                  | 6       | 14.00                  | 12.50   | 14.00                  | 12.50   | 14.00                      | 12.50   |                            |         |
|                                                        |                  | 7       | 14.00                  | 12.50   | 14.00                  | 12.50   | 14.00                      | 12.50   |                            |         |
|                                                        |                  | 8       | 14.00                  | 12.50   | 14.00                  | 12.50   | 14.00                      | 12.50   |                            |         |
|                                                        |                  | 9       | 14.00                  | 12.50   | 14.00                  | 12.50   | 14.00                      | 12.50   |                            |         |
|                                                        |                  | 10      | 14.00                  | 12.50   | 14.00                  | 12.50   | 11.00                      | 9.50    |                            |         |
|                                                        |                  | 11      | 13.50                  | 12.00   | 13.50                  | 12.00   | 9.50                       | 8.00    |                            |         |
|                                                        |                  | 12      | 9.50                   | 8.00    | 9.50                   | 8.00    | 7.00                       | 5.50    |                            |         |
|                                                        |                  | 13      | -1.50                  | -3.00   | -1.50                  | -3.00   | N/A                        | N/A     |                            |         |

Note: In MIMO operations, Antenna 2A transmits at maximum allowed powers at indicated above.

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 7 of 284                   |

## B. Antenna 4A

| Mode / Band      |         | Modulated Average - Single Tx Chain (dBm) |
|------------------|---------|-------------------------------------------|
| Bluetooth BDR/LE | Maximum | <b>15.00</b>                              |
|                  | Nominal | <b>13.50</b>                              |
| Bluetooth EDR    | Maximum | <b>13.50</b>                              |
|                  | Nominal | <b>12.00</b>                              |
| Bluetooth HDR    | Maximum | <b>9.50</b>                               |
|                  | Nominal | <b>8.00</b>                               |
| Mode / Band      |         | Modulated Average - MIMO (dBm)            |
| Bluetooth BDR/LE | Maximum | <b>15.00</b>                              |
|                  | Nominal | <b>13.50</b>                              |
| Bluetooth EDR    | Maximum | <b>13.50</b>                              |
|                  | Nominal | <b>12.00</b>                              |
| Bluetooth HDR    | Maximum | <b>9.50</b>                               |
|                  | Nominal | <b>8.00</b>                               |

Note: In MIMO operations, Antenna 4A transmits at maximum allowed powers at indicated above.

| Mode/ Band                                             |                  | IEEE 802.11b (2.4 GHz) |         | IEEE 802.11g (2.4 GHz) |         | IEEE 802.11n (2.4 GHz) |         | IEEE 802.11ax SU (2.4 GHz) |         |
|--------------------------------------------------------|------------------|------------------------|---------|------------------------|---------|------------------------|---------|----------------------------|---------|
|                                                        |                  | Channel                | Maximum | Nominal                | Maximum | Nominal                | Maximum | Nominal                    | Maximum |
| Modulated Average - Single Tx Chain (dBm) - Antenna 4A | 20 MHz Bandwidth | 1                      | 13.75   | 12.25                  | 13.75   | 12.25                  | 13.75   | 12.25                      | 12.50   |
|                                                        |                  | 2                      | 13.75   | 12.25                  | 13.75   | 12.25                  | 13.75   | 12.25                      | 13.75   |
|                                                        |                  | 3                      | 13.75   | 12.25                  | 13.75   | 12.25                  | 13.75   | 12.25                      | 13.75   |
|                                                        |                  | 4                      | 13.75   | 12.25                  | 13.75   | 12.25                  | 13.75   | 12.25                      | 13.75   |
|                                                        |                  | 5                      | 13.75   | 12.25                  | 13.75   | 12.25                  | 13.75   | 12.25                      | 13.75   |
|                                                        |                  | 6                      | 13.75   | 12.25                  | 13.75   | 12.25                  | 13.75   | 12.25                      | 13.75   |
|                                                        |                  | 7                      | 13.75   | 12.25                  | 13.75   | 12.25                  | 13.75   | 12.25                      | 13.75   |
|                                                        |                  | 8                      | 13.75   | 12.25                  | 13.75   | 12.25                  | 13.75   | 12.25                      | 13.75   |
|                                                        |                  | 9                      | 13.75   | 12.25                  | 13.75   | 12.25                  | 13.75   | 12.25                      | 13.75   |
|                                                        |                  | 10                     | 13.75   | 12.25                  | 13.75   | 12.25                  | 13.75   | 12.25                      | 13.50   |
|                                                        |                  | 11                     | 13.75   | 12.25                  | 13.75   | 12.25                  | 13.75   | 12.25                      | 12.00   |
|                                                        |                  | 12                     | 13.75   | 12.25                  | 11.00   | 9.50                   | 11.00   | 9.50                       | 10.00   |
|                                                        |                  | 13                     | 12.00   | 10.50                  | 0.50    | -1.00                  | 0.50    | -1.00                      | N/A     |

| Mode/ Band                                        |                  | IEEE 802.11g (2.4 GHz) |         | IEEE 802.11n (2.4 GHz) |         | IEEE 802.11ax SU (2.4 GHz) |         |
|---------------------------------------------------|------------------|------------------------|---------|------------------------|---------|----------------------------|---------|
|                                                   |                  | Channel                | Maximum | Nominal                | Maximum | Nominal                    | Maximum |
| Modulated Average - 2 Tx Chain (dBm) - Antenna 4A | 20 MHz Bandwidth | 1                      | 13.75   | 12.25                  | 13.75   | 12.25                      | 12.00   |
|                                                   |                  | 2                      | 13.75   | 12.25                  | 13.75   | 12.25                      | 13.75   |
|                                                   |                  | 3                      | 13.75   | 12.25                  | 13.75   | 12.25                      | 13.75   |
|                                                   |                  | 4                      | 13.75   | 12.25                  | 13.75   | 12.25                      | 13.75   |
|                                                   |                  | 5                      | 13.75   | 12.25                  | 13.75   | 12.25                      | 13.75   |
|                                                   |                  | 6                      | 13.75   | 12.25                  | 13.75   | 12.25                      | 13.75   |
|                                                   |                  | 7                      | 13.75   | 12.25                  | 13.75   | 12.25                      | 13.75   |
|                                                   |                  | 8                      | 13.75   | 12.25                  | 13.75   | 12.25                      | 13.75   |
|                                                   |                  | 9                      | 13.75   | 12.25                  | 13.75   | 12.25                      | 13.75   |
|                                                   |                  | 10                     | 13.75   | 12.25                  | 13.75   | 12.25                      | 13.00   |
|                                                   |                  | 11                     | 13.50   | 12.00                  | 13.50   | 12.00                      | 11.50   |
|                                                   |                  | 12                     | 10.50   | 9.00                   | 10.50   | 9.00                       | 9.00    |
|                                                   |                  | 13                     | 0.00    | -1.50                  | 0.00    | -1.50                      | N/A     |

Note: In MIMO operations, Antenna 4A transmits at maximum allowed powers at indicated above.

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 8 of 284                   |

### C. 5GHz ANTlower

| Mode/ Band                                                         |                  |         | IEEE 802.11a (5 GHz) |         | IEEE 802.11n (5 GHz) |         | IEEE 802.11ac (5 GHz) |         | IEEE 802.11ax SU (5 GHz) |         |
|--------------------------------------------------------------------|------------------|---------|----------------------|---------|----------------------|---------|-----------------------|---------|--------------------------|---------|
|                                                                    |                  | Channel | Maximum              | Nominal | Maximum              | Nominal | Maximum               | Nominal | Maximum                  | Nominal |
| Modulated Average -<br>Single Tx Chain<br>(dBm) - 5GHz<br>ANTlower | 20 MHz Bandwidth | 36      | 16.00                | 14.50   | 16.00                | 14.50   | 16.00                 | 14.50   | 15.00                    | 13.50   |
|                                                                    |                  | 40      | 17.00                | 15.50   | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                    |                  | 44      | 17.00                | 15.50   | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                    |                  | 48      | 17.00                | 15.50   | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                    |                  | 52      | 16.75                | 15.25   | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                    |                  | 56      | 16.75                | 15.25   | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                    |                  | 60      | 16.75                | 15.25   | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                    |                  | 64      | 16.00                | 14.50   | 16.00                | 14.50   | 16.00                 | 14.50   | 14.00                    | 12.50   |
|                                                                    |                  | 100     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 14.00                    | 12.50   |
|                                                                    |                  | 104     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 108     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 112     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 116     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 120     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 124     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 128     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 132     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 136     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 140     | 14.75                | 13.25   | 14.75                | 13.25   | 14.75                 | 13.25   | 11.50                    | 10.00   |
|                                                                    |                  | 144     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 149     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 153     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 157     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 161     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 165     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    | 40 MHz Bandwidth | 38      |                      |         | 14.00                | 12.50   | 14.00                 | 12.50   | 12.50                    | 11.00   |
|                                                                    |                  | 46      |                      |         | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                    |                  | 54      |                      |         | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                    |                  | 62      |                      |         | 14.50                | 13.00   | 14.50                 | 13.00   | 12.50                    | 11.00   |
|                                                                    |                  | 102     |                      |         | 14.00                | 12.50   | 14.00                 | 12.50   | 12.00                    | 10.50   |
|                                                                    |                  | 110     |                      |         | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 118     |                      |         | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 126     |                      |         | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 134     |                      |         | 15.50                | 14.00   | 15.50                 | 14.00   | 15.00                    | 13.50   |
|                                                                    |                  | 142     |                      |         | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 151     |                      |         | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 159     |                      |         | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    | 80 MHz Bandwidth | 42      |                      |         |                      |         | 13.50                 | 12.00   | 12.00                    | 10.50   |
|                                                                    |                  | 58      |                      |         |                      |         | 13.50                 | 12.00   | 11.50                    | 10.00   |
|                                                                    |                  | 106     |                      |         |                      |         | 13.00                 | 11.50   | 11.00                    | 9.50    |
|                                                                    |                  | 122     |                      |         |                      |         | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 138     |                      |         |                      |         | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 155     |                      |         |                      |         | 15.50                 | 14.00   | 15.50                    | 14.00   |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 9 of 284                   |

| Mode/ Band                                                        |                  |         | IEEE 802.11a (5 GHz) |         | IEEE 802.11n (5 GHz) |         | IEEE 802.11ac (5 GHz) |         | IEEE 802.11ax SU (5 GHz) |         |
|-------------------------------------------------------------------|------------------|---------|----------------------|---------|----------------------|---------|-----------------------|---------|--------------------------|---------|
|                                                                   |                  | Channel | Maximum              | Nominal | Maximum              | Nominal | Maximum               | Nominal | Maximum                  | Nominal |
| Modulated Average -<br>2 Tx Chain (dBm)<br>CDD - 5GHz<br>ANTlower | 20 MHz Bandwidth | 36      | 15.00                | 13.50   | 15.00                | 13.50   | 15.00                 | 13.50   | 14.00                    | 12.50   |
|                                                                   |                  | 40      | 17.00                | 15.50   | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                   |                  | 44      | 17.00                | 15.50   | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                   |                  | 48      | 17.00                | 15.50   | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                   |                  | 52      | 16.75                | 15.25   | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                   |                  | 56      | 16.75                | 15.25   | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                   |                  | 60      | 16.75                | 15.25   | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                   |                  | 64      | 14.50                | 13.00   | 14.50                | 13.00   | 14.50                 | 13.00   | 13.00                    | 11.50   |
|                                                                   |                  | 100     | 14.00                | 12.50   | 14.00                | 12.50   | 14.00                 | 12.50   | 12.75                    | 11.25   |
|                                                                   |                  | 104     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 108     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 112     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 116     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 120     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 124     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 128     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 132     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 136     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 140     | 13.50                | 12.00   | 13.50                | 12.00   | 13.50                 | 12.00   | 10.50                    | 9.00    |
|                                                                   |                  | 144     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 149     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 153     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 157     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 161     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 165     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   | 40 MHz Bandwidth | 38      |                      |         | 13.00                | 11.50   | 13.00                 | 11.50   | 11.50                    | 10.00   |
|                                                                   |                  | 46      |                      |         | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                   |                  | 54      |                      |         | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                   |                  | 62      |                      |         | 12.50                | 11.00   | 12.50                 | 11.00   | 11.25                    | 9.75    |
|                                                                   |                  | 102     |                      |         | 12.50                | 11.00   | 12.50                 | 11.00   | 10.50                    | 9.00    |
|                                                                   |                  | 110     |                      |         | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 118     |                      |         | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 126     |                      |         | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 134     |                      |         | 15.00                | 13.50   | 15.00                 | 13.50   | 13.75                    | 12.25   |
|                                                                   |                  | 142     |                      |         | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 151     |                      |         | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 159     |                      |         | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   | 80 MHz Bandwidth | 42      |                      |         |                      |         | 11.50                 | 10.00   | 10.50                    | 9.00    |
|                                                                   |                  | 58      |                      |         |                      |         | 11.00                 | 9.50    | 10.00                    | 8.50    |
|                                                                   |                  | 106     |                      |         |                      |         | 11.50                 | 10.00   | 10.00                    | 8.50    |
|                                                                   |                  | 122     |                      |         |                      |         | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 138     |                      |         |                      |         | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 155     |                      |         |                      |         | 15.50                 | 14.00   | 14.00                    | 12.50   |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 10 of 284                  |

| Mode/ Band                                                        |                  |         | IEEE 802.11n (5 GHz) |         | IEEE 802.11ac (5 GHz) |         | IEEE 802.11ax SU (5 GHz) |         |
|-------------------------------------------------------------------|------------------|---------|----------------------|---------|-----------------------|---------|--------------------------|---------|
|                                                                   |                  | Channel | Maximum              | Nominal | Maximum               | Nominal | Maximum                  | Nominal |
| Modulated Average -<br>2 Tx Chain (dBm)<br>SDM - 5GHz<br>ANTlower | 20 MHz Bandwidth | 36      | 15.00                | 13.50   | 15.00                 | 13.50   | 14.00                    | 12.50   |
|                                                                   |                  | 40      | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                   |                  | 44      | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                   |                  | 48      | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                   |                  | 52      | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                   |                  | 56      | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                   |                  | 60      | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                   |                  | 64      | 14.50                | 13.00   | 14.50                 | 13.00   | 13.00                    | 11.50   |
|                                                                   |                  | 100     | 14.00                | 12.50   | 14.00                 | 12.50   | 12.75                    | 11.25   |
|                                                                   |                  | 104     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 108     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 112     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 116     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 120     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 124     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 128     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 132     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 136     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 140     | 13.50                | 12.00   | 13.50                 | 12.00   | 10.50                    | 9.00    |
|                                                                   |                  | 144     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 149     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   | 40 MHz Bandwidth | 153     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 157     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 161     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 165     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 38      | 13.00                | 11.50   | 13.00                 | 11.50   | 11.50                    | 10.00   |
|                                                                   |                  | 46      | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                   |                  | 54      | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                   |                  | 62      | 12.50                | 11.00   | 12.50                 | 11.00   | 11.25                    | 9.75    |
|                                                                   |                  | 102     | 12.50                | 11.00   | 12.50                 | 11.00   | 10.50                    | 9.00    |
|                                                                   |                  | 110     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   | 80 MHz Bandwidth | 118     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 126     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 134     | 15.00                | 13.50   | 15.00                 | 13.50   | 13.75                    | 12.25   |
|                                                                   |                  | 142     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 151     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 159     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 42      |                      |         | 11.50                 | 10.00   | 10.50                    | 9.00    |
|                                                                   |                  | 58      |                      |         | 11.00                 | 9.50    | 10.00                    | 8.50    |
|                                                                   |                  | 106     |                      |         | 11.50                 | 10.00   | 10.00                    | 8.50    |
|                                                                   |                  | 122     |                      |         | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 138     |                      |         | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 155     |                      |         | 15.50                 | 14.00   | 14.00                    | 12.50   |

Note: In MIMO operations, 5GHz ANTlower transmits at maximum allowed powers as indicated above for both 2 Tx CDD and 2 Tx SDM.

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 11 of 284                  |

### D. 5GHz ANTupper

| Mode/ Band                                                         |                  |         | IEEE 802.11a (5 GHz) |         | IEEE 802.11n (5 GHz) |         | IEEE 802.11ac (5 GHz) |         | IEEE 802.11ax SU (5 GHz) |         |
|--------------------------------------------------------------------|------------------|---------|----------------------|---------|----------------------|---------|-----------------------|---------|--------------------------|---------|
|                                                                    |                  | Channel | Maximum              | Nominal | Maximum              | Nominal | Maximum               | Nominal | Maximum                  | Nominal |
| Modulated Average -<br>Single Tx Chain<br>(dBm) - 5GHz<br>ANTupper | 20 MHz Bandwidth | 36      | 16.00                | 14.50   | 16.00                | 14.50   | 16.00                 | 14.50   | 15.00                    | 13.50   |
|                                                                    |                  | 40      | 17.00                | 15.50   | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                    |                  | 44      | 17.00                | 15.50   | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                    |                  | 48      | 17.00                | 15.50   | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                    |                  | 52      | 16.75                | 15.25   | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                    |                  | 56      | 16.75                | 15.25   | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                    |                  | 60      | 16.75                | 15.25   | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                    |                  | 64      | 16.00                | 14.50   | 16.00                | 14.50   | 16.00                 | 14.50   | 14.00                    | 12.50   |
|                                                                    |                  | 100     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 14.00                    | 12.50   |
|                                                                    |                  | 104     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 108     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 112     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 116     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 120     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 124     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 128     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 132     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 136     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 140     | 14.75                | 13.25   | 14.75                | 13.25   | 14.75                 | 13.25   | 11.50                    | 10.00   |
|                                                                    |                  | 144     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 149     | 15.75                | 14.25   | 15.75                | 14.25   | 15.75                 | 14.25   | 15.75                    | 14.25   |
|                                                                    |                  | 153     | 15.75                | 14.25   | 15.75                | 14.25   | 15.75                 | 14.25   | 15.75                    | 14.25   |
|                                                                    |                  | 157     | 15.75                | 14.25   | 15.75                | 14.25   | 15.75                 | 14.25   | 15.75                    | 14.25   |
|                                                                    |                  | 161     | 15.75                | 14.25   | 15.75                | 14.25   | 15.75                 | 14.25   | 15.75                    | 14.25   |
|                                                                    |                  | 165     | 15.75                | 14.25   | 15.75                | 14.25   | 15.75                 | 14.25   | 15.75                    | 14.25   |
|                                                                    | 40 MHz Bandwidth | 38      |                      |         | 14.00                | 12.50   | 14.00                 | 12.50   | 12.50                    | 11.00   |
|                                                                    |                  | 46      |                      |         | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                    |                  | 54      |                      |         | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                    |                  | 62      |                      |         | 14.50                | 13.00   | 14.50                 | 13.00   | 12.50                    | 11.00   |
|                                                                    |                  | 102     |                      |         | 14.00                | 12.50   | 14.00                 | 12.50   | 12.00                    | 10.50   |
|                                                                    |                  | 110     |                      |         | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 118     |                      |         | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 126     |                      |         | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 134     |                      |         | 15.50                | 14.00   | 15.50                 | 14.00   | 15.00                    | 13.50   |
|                                                                    |                  | 142     |                      |         | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 151     |                      |         | 15.75                | 14.25   | 15.75                 | 14.25   | 15.75                    | 14.25   |
|                                                                    |                  | 159     |                      |         | 15.75                | 14.25   | 15.75                 | 14.25   | 15.75                    | 14.25   |
|                                                                    | 80 MHz Bandwidth | 42      |                      |         |                      |         | 13.50                 | 12.00   | 12.00                    | 10.50   |
|                                                                    |                  | 58      |                      |         |                      |         | 13.50                 | 12.00   | 11.50                    | 10.00   |
|                                                                    |                  | 106     |                      |         |                      |         | 13.00                 | 11.50   | 11.00                    | 9.50    |
|                                                                    |                  | 122     |                      |         |                      |         | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 138     |                      |         |                      |         | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                    |                  | 155     |                      |         |                      |         | 15.75                 | 14.25   | 15.50                    | 14.00   |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 12 of 284                  |

| Mode/ Band                                                        |                  |         | IEEE 802.11a (5 GHz) |         | IEEE 802.11n (5 GHz) |         | IEEE 802.11ac (5 GHz) |         | IEEE 802.11ax SU (5 GHz) |         |
|-------------------------------------------------------------------|------------------|---------|----------------------|---------|----------------------|---------|-----------------------|---------|--------------------------|---------|
|                                                                   |                  | Channel | Maximum              | Nominal | Maximum              | Nominal | Maximum               | Nominal | Maximum                  | Nominal |
| Modulated Average -<br>2 Tx Chain (dBm)<br>CDD - 5GHz<br>ANTupper | 20 MHz Bandwidth | 36      | 15.00                | 13.50   | 15.00                | 13.50   | 15.00                 | 13.50   | 14.00                    | 12.50   |
|                                                                   |                  | 40      | 17.00                | 15.50   | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                   |                  | 44      | 17.00                | 15.50   | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                   |                  | 48      | 17.00                | 15.50   | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                   |                  | 52      | 16.75                | 15.25   | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                   |                  | 56      | 16.75                | 15.25   | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                   |                  | 60      | 16.75                | 15.25   | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                   |                  | 64      | 14.50                | 13.00   | 14.50                | 13.00   | 14.50                 | 13.00   | 13.00                    | 11.50   |
|                                                                   |                  | 100     | 14.00                | 12.50   | 14.00                | 12.50   | 14.00                 | 12.50   | 12.75                    | 11.25   |
|                                                                   |                  | 104     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 108     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 112     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 116     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 120     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 124     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 128     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 132     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 136     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 140     | 13.50                | 12.00   | 13.50                | 12.00   | 13.50                 | 12.00   | 10.50                    | 9.00    |
|                                                                   |                  | 144     | 15.50                | 14.00   | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 149     | 15.75                | 14.25   | 15.75                | 14.25   | 15.75                 | 14.25   | 15.75                    | 14.25   |
|                                                                   |                  | 153     | 15.75                | 14.25   | 15.75                | 14.25   | 15.75                 | 14.25   | 15.75                    | 14.25   |
|                                                                   |                  | 157     | 15.75                | 14.25   | 15.75                | 14.25   | 15.75                 | 14.25   | 15.75                    | 14.25   |
|                                                                   |                  | 161     | 15.75                | 14.25   | 15.75                | 14.25   | 15.75                 | 14.25   | 15.75                    | 14.25   |
|                                                                   |                  | 165     | 15.75                | 14.25   | 15.75                | 14.25   | 15.75                 | 14.25   | 15.75                    | 14.25   |
|                                                                   | 40 MHz Bandwidth | 38      |                      |         | 13.00                | 11.50   | 13.00                 | 11.50   | 11.50                    | 10.00   |
|                                                                   |                  | 46      |                      |         | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                   |                  | 54      |                      |         | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                   |                  | 62      |                      |         | 12.50                | 11.00   | 12.50                 | 11.00   | 11.25                    | 9.75    |
|                                                                   |                  | 102     |                      |         | 12.50                | 11.00   | 12.50                 | 11.00   | 10.50                    | 9.00    |
|                                                                   |                  | 110     |                      |         | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 118     |                      |         | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 126     |                      |         | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 134     |                      |         | 15.00                | 13.50   | 15.00                 | 13.50   | 13.75                    | 12.25   |
|                                                                   |                  | 142     |                      |         | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 151     |                      |         | 15.75                | 14.25   | 15.75                 | 14.25   | 15.75                    | 14.25   |
|                                                                   |                  | 159     |                      |         | 15.75                | 14.25   | 15.75                 | 14.25   | 15.75                    | 14.25   |
|                                                                   | 80 MHz Bandwidth | 42      |                      |         |                      |         | 11.50                 | 10.00   | 10.50                    | 9.00    |
|                                                                   |                  | 58      |                      |         |                      |         | 11.00                 | 9.50    | 10.00                    | 8.50    |
|                                                                   |                  | 106     |                      |         |                      |         | 11.50                 | 10.00   | 10.00                    | 8.50    |
|                                                                   |                  | 122     |                      |         |                      |         | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 138     |                      |         |                      |         | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 155     |                      |         |                      |         | 15.75                 | 14.25   | 14.00                    | 12.50   |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 13 of 284                  |

| Mode/ Band                                                        |                  |         | IEEE 802.11n (5 GHz) |         | IEEE 802.11ac (5 GHz) |         | IEEE 802.11ax SU (5 GHz) |         |
|-------------------------------------------------------------------|------------------|---------|----------------------|---------|-----------------------|---------|--------------------------|---------|
|                                                                   |                  | Channel | Maximum              | Nominal | Maximum               | Nominal | Maximum                  | Nominal |
| Modulated Average -<br>2 Tx Chain (dBm)<br>SDM - 5GHz<br>ANTupper | 20 MHz Bandwidth | 36      | 15.00                | 13.50   | 15.00                 | 13.50   | 14.00                    | 12.50   |
|                                                                   |                  | 40      | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                   |                  | 44      | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                   |                  | 48      | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                   |                  | 52      | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                   |                  | 56      | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                   |                  | 60      | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                   |                  | 64      | 14.50                | 13.00   | 14.50                 | 13.00   | 13.00                    | 11.50   |
|                                                                   |                  | 100     | 14.00                | 12.50   | 14.00                 | 12.50   | 12.75                    | 11.25   |
|                                                                   |                  | 104     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 108     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 112     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 116     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 120     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 124     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 128     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 132     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 136     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 140     | 13.50                | 12.00   | 13.50                 | 12.00   | 10.50                    | 9.00    |
|                                                                   |                  | 144     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 149     | 15.75                | 14.25   | 15.75                 | 14.25   | 15.75                    | 14.25   |
|                                                                   |                  | 153     | 15.75                | 14.25   | 15.75                 | 14.25   | 15.75                    | 14.25   |
|                                                                   |                  | 157     | 15.75                | 14.25   | 15.75                 | 14.25   | 15.75                    | 14.25   |
|                                                                   |                  | 161     | 15.75                | 14.25   | 15.75                 | 14.25   | 15.75                    | 14.25   |
|                                                                   |                  | 165     | 15.75                | 14.25   | 15.75                 | 14.25   | 15.75                    | 14.25   |
|                                                                   | 40 MHz Bandwidth | 38      | 13.00                | 11.50   | 13.00                 | 11.50   | 11.50                    | 10.00   |
|                                                                   |                  | 46      | 17.00                | 15.50   | 17.00                 | 15.50   | 17.00                    | 15.50   |
|                                                                   |                  | 54      | 16.75                | 15.25   | 16.75                 | 15.25   | 16.75                    | 15.25   |
|                                                                   |                  | 62      | 12.50                | 11.00   | 12.50                 | 11.00   | 11.25                    | 9.75    |
|                                                                   |                  | 102     | 12.50                | 11.00   | 12.50                 | 11.00   | 10.50                    | 9.00    |
|                                                                   |                  | 110     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 118     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 126     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 134     | 15.00                | 13.50   | 15.00                 | 13.50   | 13.75                    | 12.25   |
|                                                                   |                  | 142     | 15.50                | 14.00   | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 151     | 15.75                | 14.25   | 15.75                 | 14.25   | 15.75                    | 14.25   |
|                                                                   |                  | 159     | 15.75                | 14.25   | 15.75                 | 14.25   | 15.75                    | 14.25   |
|                                                                   | 80 MHz Bandwidth | 42      |                      |         | 11.50                 | 10.00   | 10.50                    | 9.00    |
|                                                                   |                  | 58      |                      |         | 11.00                 | 9.50    | 10.00                    | 8.50    |
|                                                                   |                  | 106     |                      |         | 11.50                 | 10.00   | 10.00                    | 8.50    |
|                                                                   |                  | 122     |                      |         | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 138     |                      |         | 15.50                 | 14.00   | 15.50                    | 14.00   |
|                                                                   |                  | 155     |                      |         | 15.75                 | 14.25   | 14.00                    | 12.50   |

Note: In MIMO operations, 5GHz ANTupper transmits at maximum allowed powers as indicated above for both 2 Tx CDD and 2 Tx SDM.

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 14 of 284                  |

### 1.3.4 Unlicensed Reduced Output Power

#### A. Antenna 2a

Below table is applicable in the following conditions:

-Simultaneous conditions with 5GHz WLAN

| Mode / Band              |         | Modulated Average - Single Tx Chain (dBm) |
|--------------------------|---------|-------------------------------------------|
| Bluetooth BDR/LE Reduced | Maximum | <b>11.50</b>                              |
|                          | Nominal | <b>10.00</b>                              |
| Bluetooth EDR Reduced    | Maximum | <b>11.00</b>                              |
|                          | Nominal | <b>9.50</b>                               |
| Bluetooth HDR Reduced    | Maximum | <b>7.50</b>                               |
|                          | Nominal | <b>6.00</b>                               |

Below table is applicable in the following conditions:

-Simultaneous conditions with 5GHz WLAN

| Mode / Band              |         | Modulated Average - MIMO (dBm) |
|--------------------------|---------|--------------------------------|
| Bluetooth BDR/LE Reduced | Maximum | <b>11.50</b>                   |
|                          | Nominal | <b>10.00</b>                   |
| Bluetooth EDR Reduced    | Maximum | <b>11.00</b>                   |
|                          | Nominal | <b>9.50</b>                    |
| Bluetooth HDR Reduced    | Maximum | <b>7.50</b>                    |
|                          | Nominal | <b>6.00</b>                    |

Note: In MIMO operations, Antenna 2A transmits at maximum allowed powers at indicated above.

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 15 of 284                  |

Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1/2A/2B Active
- Simultaneous conditions with Licensed Bands Antenna 1/2A/2B Active and 5GHz WLAN
- Simultaneous conditions with Inter-band ULCA active
- Simultaneous conditions with Inter-band ULCA active and 5GHz WLAN

| Mode / Band              |         | Modulated Average - Single Tx Chain (dBm) |
|--------------------------|---------|-------------------------------------------|
| Bluetooth BDR/LE Reduced | Maximum | 7.50                                      |
|                          | Nominal | 6.00                                      |
| Bluetooth EDR Reduced    | Maximum | 7.50                                      |
|                          | Nominal | 6.00                                      |
| Bluetooth HDR Reduced    | Maximum | 7.50                                      |
|                          | Nominal | 6.00                                      |

Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 1/2A/2B Active
- Simultaneous conditions with Licensed Bands Antenna 1/2A/2B Active and 5GHz WLAN
- Simultaneous conditions with Inter-band ULCA active
- Simultaneous conditions with Inter-band ULCA active and 5GHz WLAN

| Mode / Band              |         | Modulated Average - MIMO (dBm) |
|--------------------------|---------|--------------------------------|
| Bluetooth BDR/LE Reduced | Maximum | 7.50                           |
|                          | Nominal | 6.00                           |
| Bluetooth EDR Reduced    | Maximum | 7.50                           |
|                          | Nominal | 6.00                           |
| Bluetooth HDR Reduced    | Maximum | 7.50                           |
|                          | Nominal | 6.00                           |

Note: In MIMO operations, Antenna 2A transmits at maximum allowed powers at indicated above.

Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 2A/2B
- Simultaneous conditions with LTE Inter-band ULCA

| Mode/ Band                                                      |                     | IEEE 802.11b (2.4 GHz) |         |         | IEEE 802.11g (2.4 GHz) |         | IEEE 802.11n (2.4 GHz) |         | IEEE 802.11ax SU (2.4 GHz) |         |
|-----------------------------------------------------------------|---------------------|------------------------|---------|---------|------------------------|---------|------------------------|---------|----------------------------|---------|
|                                                                 |                     | Channel                | Maximum | Nominal | Maximum                | Nominal | Maximum                | Nominal | Maximum                    | Nominal |
| Modulated<br>Average - Single<br>Tx Chain (dBm) -<br>Antenna 2A | 20 MHz<br>Bandwidth | 1                      | 7.00    | 5.50    | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                                 |                     | 2                      | 7.00    | 5.50    | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                                 |                     | 3                      | 7.00    | 5.50    | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                                 |                     | 4                      | 7.00    | 5.50    | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                                 |                     | 5                      | 7.00    | 5.50    | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                                 |                     | 6                      | 7.00    | 5.50    | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                                 |                     | 7                      | 7.00    | 5.50    | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                                 |                     | 8                      | 7.00    | 5.50    | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                                 |                     | 9                      | 7.00    | 5.50    | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                                 |                     | 10                     | 7.00    | 5.50    | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                                 |                     | 11                     | 7.00    | 5.50    | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                                 |                     | 12                     | 7.00    | 5.50    | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                                 |                     | 13                     | 7.00    | 5.50    | 0.50                   | -1.00   | 0.50                   | -1.00   | N/A                        | N/A     |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 16 of 284                  |

Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 2A/2B
- Simultaneous conditions with LTE Inter-band ULCA

| Mode/ Band                                        |                  | Channel | IEEE 802.11g (2.4 GHz) |         | IEEE 802.11n (2.4 GHz) |         | IEEE 802.11ax SU (2.4 GHz) |         |
|---------------------------------------------------|------------------|---------|------------------------|---------|------------------------|---------|----------------------------|---------|
|                                                   |                  |         | Maximum                | Nominal | Maximum                | Nominal | Maximum                    | Nominal |
| Modulated Average - 2 Tx Chain (dBm) - Antenna 2A | 20 MHz Bandwidth | 1       | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                   |                  | 2       | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                   |                  | 3       | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                   |                  | 4       | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                   |                  | 5       | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                   |                  | 6       | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                   |                  | 7       | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                   |                  | 8       | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                   |                  | 9       | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                   |                  | 10      | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                   |                  | 11      | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                   |                  | 12      | 7.00                   | 5.50    | 7.00                   | 5.50    | 7.00                       | 5.50    |
|                                                   |                  | 13      | -1.50                  | -3.00   | -1.50                  | -3.00   | N/A                        | N/A     |

Note: In MIMO operations, Antenna 2A transmits at maximum allowed powers at indicated above.

## B. Antenna 4a

Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3/4A/4B Active
- Simultaneous conditions with Licensed Bands Antenna 3/4A/4B Active and 5GHz WLAN
- Simultaneous conditions with Inter-band ULCA active
- Simultaneous conditions with Inter-band ULCA active and 5GHz WLAN

| Mode / Band              |         | Modulated Average - Single Tx Chain (dBm) |
|--------------------------|---------|-------------------------------------------|
| Bluetooth BDR/LE Reduced | Maximum | <b>8.00</b>                               |
|                          | Nominal | <b>6.50</b>                               |
| Bluetooth EDR Reduced    | Maximum | <b>8.00</b>                               |
|                          | Nominal | <b>6.50</b>                               |
| Bluetooth HDR Reduced    | Maximum | <b>8.00</b>                               |
|                          | Nominal | <b>6.50</b>                               |

Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3/4A/4B Active
- Simultaneous conditions with Licensed Bands Antenna 3/4A/4B Active and 5GHz WLAN
- Simultaneous conditions with Inter-band ULCA active
- Simultaneous conditions with Inter-band ULCA active and 5GHz WLAN

| Mode / Band              |         | Modulated Average - MIMO (dBm) |
|--------------------------|---------|--------------------------------|
| Bluetooth BDR/LE Reduced | Maximum | <b>8.00</b>                    |
|                          | Nominal | <b>6.50</b>                    |
| Bluetooth EDR Reduced    | Maximum | <b>8.00</b>                    |
|                          | Nominal | <b>6.50</b>                    |
| Bluetooth HDR Reduced    | Maximum | <b>8.00</b>                    |
|                          | Nominal | <b>6.50</b>                    |

Note: In MIMO operations, Antenna 4A transmits at maximum allowed powers at indicated above.

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 17 of 284                  |

Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 4A/4B
- Simultaneous conditions with LTE Inter-band ULCA

| Mode/ Band                                                      |                     | IEEE 802.11b (2.4 GHz) |         |         | IEEE 802.11g (2.4 GHz) |         | IEEE 802.11n (2.4 GHz) |         | IEEE 802.11ax SU (2.4 GHz) |         |
|-----------------------------------------------------------------|---------------------|------------------------|---------|---------|------------------------|---------|------------------------|---------|----------------------------|---------|
|                                                                 |                     | Channel                | Maximum | Nominal | Maximum                | Nominal | Maximum                | Nominal | Maximum                    | Nominal |
| Modulated<br>Average - Single<br>Tx Chain (dBm) -<br>Antenna 4A | 20 MHz<br>Bandwidth | 1                      | 6.75    | 5.25    | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                                 |                     | 2                      | 6.75    | 5.25    | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                                 |                     | 3                      | 6.75    | 5.25    | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                                 |                     | 4                      | 6.75    | 5.25    | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                                 |                     | 5                      | 6.75    | 5.25    | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                                 |                     | 6                      | 6.75    | 5.25    | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                                 |                     | 7                      | 6.75    | 5.25    | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                                 |                     | 8                      | 6.75    | 5.25    | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                                 |                     | 9                      | 6.75    | 5.25    | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                                 |                     | 10                     | 6.75    | 5.25    | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                                 |                     | 11                     | 6.75    | 5.25    | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                                 |                     | 12                     | 6.75    | 5.25    | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                                 |                     | 13                     | 6.75    | 5.25    | 0.50                   | -1.00   | 0.50                   | -1.00   | N/A                        | N/A     |

Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 4A/4B
- Simultaneous conditions with LTE Inter-band ULCA

| Mode/ Band                                                 |                     |         | IEEE 802.11g (2.4 GHz) |         | IEEE 802.11n (2.4 GHz) |         | IEEE 802.11ax SU (2.4 GHz) |         |
|------------------------------------------------------------|---------------------|---------|------------------------|---------|------------------------|---------|----------------------------|---------|
|                                                            |                     | Channel | Maximum                | Nominal | Maximum                | Nominal | Maximum                    | Nominal |
| Modulated<br>Average - 2 Tx<br>Chain (dBm) -<br>Antenna 4A | 20 MHz<br>Bandwidth | 1       | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                            |                     | 2       | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                            |                     | 3       | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                            |                     | 4       | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                            |                     | 5       | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                            |                     | 6       | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                            |                     | 7       | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                            |                     | 8       | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                            |                     | 9       | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                            |                     | 10      | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                            |                     | 11      | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                            |                     | 12      | 6.75                   | 5.25    | 6.75                   | 5.25    | 6.75                       | 5.25    |
|                                                            |                     | 13      | 0.00                   | -1.50   | 0.00                   | -1.50   | N/A                        | N/A     |

Note: In MIMO operations, Antenna 4A transmits at maximum allowed powers at indicated above.

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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### C. 5GHz ANTlower

Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 2A
- Simultaneous conditions with LTE Inter-band ULCA

| Mode/ Band                                                         |                  |         | IEEE 802.11a (5 GHz) |         | IEEE 802.11n (5 GHz) |         | IEEE 802.11ac (5 GHz) |         | IEEE 802.11ax SU (5 GHz) |         |
|--------------------------------------------------------------------|------------------|---------|----------------------|---------|----------------------|---------|-----------------------|---------|--------------------------|---------|
|                                                                    |                  | Channel | Maximum              | Nominal | Maximum              | Nominal | Maximum               | Nominal | Maximum                  | Nominal |
| Modulated Average -<br>Single Tx Chain<br>(dBm) - 5GHz<br>ANTlower | 20 MHz Bandwidth | 36      | 13.00                | 11.50   | 13.00                | 11.50   | 13.00                 | 11.50   | 13.00                    | 11.50   |
|                                                                    |                  | 40      | 13.00                | 11.50   | 13.00                | 11.50   | 13.00                 | 11.50   | 13.00                    | 11.50   |
|                                                                    |                  | 44      | 13.00                | 11.50   | 13.00                | 11.50   | 13.00                 | 11.50   | 13.00                    | 11.50   |
|                                                                    |                  | 48      | 13.00                | 11.50   | 13.00                | 11.50   | 13.00                 | 11.50   | 13.00                    | 11.50   |
|                                                                    |                  | 52      | 12.75                | 11.25   | 12.75                | 11.25   | 12.75                 | 11.25   | 12.75                    | 11.25   |
|                                                                    |                  | 56      | 12.75                | 11.25   | 12.75                | 11.25   | 12.75                 | 11.25   | 12.75                    | 11.25   |
|                                                                    |                  | 60      | 12.75                | 11.25   | 12.75                | 11.25   | 12.75                 | 11.25   | 12.75                    | 11.25   |
|                                                                    |                  | 64      | 12.75                | 11.25   | 12.75                | 11.25   | 12.75                 | 11.25   | 12.75                    | 11.25   |
|                                                                    |                  | 100     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 104     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 108     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 112     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 116     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 120     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 124     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 128     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 132     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 136     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 140     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 144     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 149     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 153     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 157     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 161     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 165     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    | 40 MHz Bandwidth | 38      |                      |         | 13.00                | 11.50   | 13.00                 | 11.50   | 12.50                    | 11.00   |
|                                                                    |                  | 46      |                      |         | 13.00                | 11.50   | 13.00                 | 11.50   | 13.00                    | 11.50   |
|                                                                    |                  | 54      |                      |         | 12.75                | 11.25   | 12.75                 | 11.25   | 12.75                    | 11.25   |
|                                                                    |                  | 62      |                      |         | 12.75                | 11.25   | 12.75                 | 11.25   | 12.50                    | 11.00   |
|                                                                    |                  | 102     |                      |         | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 110     |                      |         | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 118     |                      |         | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 126     |                      |         | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 134     |                      |         | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 142     |                      |         | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 151     |                      |         | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 159     |                      |         | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    | 80 MHz Bandwidth | 42      |                      |         |                      |         | 13.00                 | 11.50   | 12.00                    | 10.50   |
|                                                                    |                  | 58      |                      |         |                      |         | 12.75                 | 11.25   | 11.50                    | 10.00   |
|                                                                    |                  | 106     |                      |         |                      |         | 11.50                 | 10.00   | 11.00                    | 9.50    |
|                                                                    |                  | 122     |                      |         |                      |         | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 138     |                      |         |                      |         | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                    |                  | 155     |                      |         |                      |         | 11.50                 | 10.00   | 11.50                    | 10.00   |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 19 of 284                  |

Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 2A
- Simultaneous conditions with LTE Inter-band ULCA

| Mode/ Band                                                        |                  |         | IEEE 802.11a (5 GHz) |         | IEEE 802.11n (5 GHz) |         | IEEE 802.11ac (5 GHz) |         | IEEE 802.11ax SU (5 GHz) |         |
|-------------------------------------------------------------------|------------------|---------|----------------------|---------|----------------------|---------|-----------------------|---------|--------------------------|---------|
|                                                                   |                  | Channel | Maximum              | Nominal | Maximum              | Nominal | Maximum               | Nominal | Maximum                  | Nominal |
| Modulated Average -<br>2 Tx Chain (dBm)<br>CDD - 5GHz<br>ANTlower | 20 MHz Bandwidth | 36      | 13.00                | 11.50   | 13.00                | 11.50   | 13.00                 | 11.50   | 13.00                    | 11.50   |
|                                                                   |                  | 40      | 13.00                | 11.50   | 13.00                | 11.50   | 13.00                 | 11.50   | 13.00                    | 11.50   |
|                                                                   |                  | 44      | 13.00                | 11.50   | 13.00                | 11.50   | 13.00                 | 11.50   | 13.00                    | 11.50   |
|                                                                   |                  | 48      | 13.00                | 11.50   | 13.00                | 11.50   | 13.00                 | 11.50   | 13.00                    | 11.50   |
|                                                                   |                  | 52      | 12.75                | 11.25   | 12.75                | 11.25   | 12.75                 | 11.25   | 12.75                    | 11.25   |
|                                                                   |                  | 56      | 12.75                | 11.25   | 12.75                | 11.25   | 12.75                 | 11.25   | 12.75                    | 11.25   |
|                                                                   |                  | 60      | 12.75                | 11.25   | 12.75                | 11.25   | 12.75                 | 11.25   | 12.75                    | 11.25   |
|                                                                   |                  | 64      | 12.75                | 11.25   | 12.75                | 11.25   | 12.75                 | 11.25   | 12.75                    | 11.25   |
|                                                                   |                  | 100     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 104     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 108     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 112     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 116     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 120     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 124     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 128     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 132     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 136     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 140     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 10.50                    | 9.00    |
|                                                                   |                  | 144     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 149     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   | 40 MHz Bandwidth | 153     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 157     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 161     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 165     | 11.50                | 10.00   | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 38      |                      |         | 13.00                | 11.50   | 13.00                 | 11.50   | 13.00                    | 11.50   |
|                                                                   |                  | 46      |                      |         | 13.00                | 11.50   | 13.00                 | 11.50   | 13.00                    | 11.50   |
|                                                                   |                  | 54      |                      |         | 12.75                | 11.25   | 12.75                 | 11.25   | 12.75                    | 11.25   |
|                                                                   |                  | 62      |                      |         | 12.50                | 11.00   | 12.50                 | 11.00   | 11.25                    | 9.75    |
|                                                                   |                  | 102     |                      |         | 11.50                | 10.00   | 11.50                 | 10.00   | 10.50                    | 9.00    |
|                                                                   |                  | 110     |                      |         | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   | 80 MHz Bandwidth | 118     |                      |         | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 126     |                      |         | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 134     |                      |         | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 142     |                      |         | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 151     |                      |         | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 159     |                      |         | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 42      |                      |         |                      |         | 11.50                 | 10.00   | 10.50                    | 9.00    |
|                                                                   |                  | 58      |                      |         |                      |         | 11.00                 | 9.50    | 10.00                    | 8.50    |
|                                                                   |                  | 106     |                      |         |                      |         | 11.50                 | 10.00   | 10.00                    | 8.50    |
|                                                                   |                  | 122     |                      |         |                      |         | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 138     |                      |         |                      |         | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 155     |                      |         |                      |         | 11.50                 | 10.00   | 11.50                    | 10.00   |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 20 of 284                  |

Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 2A
- Simultaneous conditions with LTE Inter-band ULCA

| Mode/ Band                                                        |                  | Channel | IEEE 802.11n (5 GHz) |         | IEEE 802.11ac (5 GHz) |         | IEEE 802.11ax SU (5 GHz) |         |
|-------------------------------------------------------------------|------------------|---------|----------------------|---------|-----------------------|---------|--------------------------|---------|
|                                                                   |                  |         | Maximum              | Nominal | Maximum               | Nominal | Maximum                  | Nominal |
| Modulated Average -<br>2 Tx Chain (dBm)<br>SDM - 5GHz<br>ANTlower | 20 MHz Bandwidth | 36      | 13.00                | 11.50   | 13.00                 | 11.50   | 13.00                    | 11.50   |
|                                                                   |                  | 40      | 13.00                | 11.50   | 13.00                 | 11.50   | 13.00                    | 11.50   |
|                                                                   |                  | 44      | 13.00                | 11.50   | 13.00                 | 11.50   | 13.00                    | 11.50   |
|                                                                   |                  | 48      | 13.00                | 11.50   | 13.00                 | 11.50   | 13.00                    | 11.50   |
|                                                                   |                  | 52      | 12.75                | 11.25   | 12.75                 | 11.25   | 12.75                    | 11.25   |
|                                                                   |                  | 56      | 12.75                | 11.25   | 12.75                 | 11.25   | 12.75                    | 11.25   |
|                                                                   |                  | 60      | 12.75                | 11.25   | 12.75                 | 11.25   | 12.75                    | 11.25   |
|                                                                   |                  | 64      | 12.75                | 11.25   | 12.75                 | 11.25   | 12.75                    | 11.25   |
|                                                                   |                  | 100     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 104     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 108     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 112     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 116     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 120     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 124     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 128     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 132     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 136     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 140     | 11.50                | 10.00   | 11.50                 | 10.00   | 10.50                    | 9.00    |
|                                                                   |                  | 144     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 149     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 153     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 157     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 161     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 165     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   | 40 MHz Bandwidth | 38      | 13.00                | 11.50   | 13.00                 | 11.50   | 11.50                    | 10.00   |
|                                                                   |                  | 46      | 13.00                | 11.50   | 13.00                 | 11.50   | 13.00                    | 11.50   |
|                                                                   |                  | 54      | 12.75                | 11.25   | 12.75                 | 11.25   | 12.75                    | 11.25   |
|                                                                   |                  | 62      | 12.50                | 11.00   | 12.50                 | 11.00   | 11.25                    | 9.75    |
|                                                                   |                  | 102     | 11.50                | 10.00   | 11.50                 | 10.00   | 10.50                    | 9.00    |
|                                                                   |                  | 110     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 118     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 126     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 134     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 142     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 151     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 159     | 11.50                | 10.00   | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   | 80 MHz Bandwidth | 42      |                      |         | 11.50                 | 10.00   | 10.50                    | 9.00    |
|                                                                   |                  | 58      |                      |         | 11.00                 | 9.50    | 10.00                    | 8.50    |
|                                                                   |                  | 106     |                      |         | 11.50                 | 10.00   | 10.00                    | 8.50    |
|                                                                   |                  | 122     |                      |         | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 138     |                      |         | 11.50                 | 10.00   | 11.50                    | 10.00   |
|                                                                   |                  | 155     |                      |         | 11.50                 | 10.00   | 11.50                    | 10.00   |

Note: In MIMO operations, 5GHz ANTlower transmits at maximum allowed powers as indicated above for both 2 Tx CDD and 2 Tx SDM.

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 21 of 284                  |

### D. 5GHz ANTupper

Below table is applicable in the following conditions:

-Simultaneous conditions with Licensed Bands Antenna 3

-Simultaneous conditions with LTE Inter-band ULCA

| Mode/ Band                                                         |                  |         | IEEE 802.11a (5 GHz) |         | IEEE 802.11n (5 GHz) |         | IEEE 802.11ac (5 GHz) |         | IEEE 802.11ax SU (5 GHz) |         |
|--------------------------------------------------------------------|------------------|---------|----------------------|---------|----------------------|---------|-----------------------|---------|--------------------------|---------|
|                                                                    |                  | Channel | Maximum              | Nominal | Maximum              | Nominal | Maximum               | Nominal | Maximum                  | Nominal |
| Modulated Average -<br>Single Tx Chain<br>(dBm) - 5GHz<br>ANTupper | 20 MHz Bandwidth | 36      | 12.00                | 10.50   | 12.00                | 10.50   | 12.00                 | 10.50   | 12.00                    | 10.50   |
|                                                                    |                  | 40      | 12.00                | 10.50   | 12.00                | 10.50   | 12.00                 | 10.50   | 12.00                    | 10.50   |
|                                                                    |                  | 44      | 12.00                | 10.50   | 12.00                | 10.50   | 12.00                 | 10.50   | 12.00                    | 10.50   |
|                                                                    |                  | 48      | 12.00                | 10.50   | 12.00                | 10.50   | 12.00                 | 10.50   | 12.00                    | 10.50   |
|                                                                    |                  | 52      | 11.75                | 10.25   | 11.75                | 10.25   | 11.75                 | 10.25   | 11.75                    | 10.25   |
|                                                                    |                  | 56      | 11.75                | 10.25   | 11.75                | 10.25   | 11.75                 | 10.25   | 11.75                    | 10.25   |
|                                                                    |                  | 60      | 11.75                | 10.25   | 11.75                | 10.25   | 11.75                 | 10.25   | 11.75                    | 10.25   |
|                                                                    |                  | 64      | 11.75                | 10.25   | 11.75                | 10.25   | 11.75                 | 10.25   | 11.75                    | 10.25   |
|                                                                    |                  | 100     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                    |                  | 104     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                    |                  | 108     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                    |                  | 112     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                    |                  | 116     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                    |                  | 120     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                    |                  | 124     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                    |                  | 128     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                    |                  | 132     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                    |                  | 136     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                    |                  | 140     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                    |                  | 144     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                    |                  | 149     | 10.75                | 9.25    | 10.75                | 9.25    | 10.75                 | 9.25    | 10.75                    | 9.25    |
|                                                                    | 40 MHz Bandwidth | 153     | 10.75                | 9.25    | 10.75                | 9.25    | 10.75                 | 9.25    | 10.75                    | 9.25    |
|                                                                    |                  | 157     | 10.75                | 9.25    | 10.75                | 9.25    | 10.75                 | 9.25    | 10.75                    | 9.25    |
|                                                                    |                  | 161     | 10.75                | 9.25    | 10.75                | 9.25    | 10.75                 | 9.25    | 10.75                    | 9.25    |
|                                                                    |                  | 165     | 10.75                | 9.25    | 10.75                | 9.25    | 10.75                 | 9.25    | 10.75                    | 9.25    |
|                                                                    |                  | 38      |                      |         | 12.00                | 10.50   | 12.00                 | 10.50   | 12.00                    | 10.50   |
|                                                                    |                  | 46      |                      |         | 12.00                | 10.50   | 12.00                 | 10.50   | 12.00                    | 10.50   |
|                                                                    |                  | 54      |                      |         | 11.75                | 10.25   | 11.75                 | 10.25   | 11.75                    | 10.25   |
|                                                                    |                  | 62      |                      |         | 11.75                | 10.25   | 11.75                 | 10.25   | 11.75                    | 10.25   |
|                                                                    |                  | 102     |                      |         | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                    |                  | 110     |                      |         | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                    |                  | 118     |                      |         | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                    |                  | 126     |                      |         | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                    |                  | 134     |                      |         | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                    |                  | 142     |                      |         | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                    |                  | 151     |                      |         | 10.75                | 9.25    | 10.75                 | 9.25    | 10.75                    | 9.25    |
|                                                                    |                  | 159     |                      |         | 10.75                | 9.25    | 10.75                 | 9.25    | 10.75                    | 9.25    |
|                                                                    | 80 MHz Bandwidth | 42      |                      |         |                      |         | 12.00                 | 10.50   | 12.00                    | 10.50   |
|                                                                    |                  | 58      |                      |         |                      |         | 11.75                 | 10.25   | 11.50                    | 10.00   |
|                                                                    |                  | 106     |                      |         |                      |         | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                    |                  | 122     |                      |         |                      |         | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                    |                  | 138     |                      |         |                      |         | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                    |                  | 155     |                      |         |                      |         | 10.75                 | 9.25    | 10.75                    | 9.25    |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 22 of 284                  |

Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3
- Simultaneous conditions with LTE Inter-band ULCA

| Mode/ Band                                                        |                  | Channel | IEEE 802.11a (5 GHz) |         | IEEE 802.11n (5 GHz) |         | IEEE 802.11ac (5 GHz) |         | IEEE 802.11ax SU (5 GHz) |         |
|-------------------------------------------------------------------|------------------|---------|----------------------|---------|----------------------|---------|-----------------------|---------|--------------------------|---------|
|                                                                   |                  |         | Maximum              | Nominal | Maximum              | Nominal | Maximum               | Nominal | Maximum                  | Nominal |
| Modulated Average -<br>2 Tx Chain (dBm)<br>CDD - 5GHz<br>ANTupper | 20 MHz Bandwidth | 36      | 12.00                | 10.50   | 12.00                | 10.50   | 12.00                 | 10.50   | 12.00                    | 10.50   |
|                                                                   |                  | 40      | 12.00                | 10.50   | 12.00                | 10.50   | 12.00                 | 10.50   | 12.00                    | 10.50   |
|                                                                   |                  | 44      | 12.00                | 10.50   | 12.00                | 10.50   | 12.00                 | 10.50   | 12.00                    | 10.50   |
|                                                                   |                  | 48      | 12.00                | 10.50   | 12.00                | 10.50   | 12.00                 | 10.50   | 12.00                    | 10.50   |
|                                                                   |                  | 52      | 11.75                | 10.25   | 11.75                | 10.25   | 11.75                 | 10.25   | 11.75                    | 10.25   |
|                                                                   |                  | 56      | 11.75                | 10.25   | 11.75                | 10.25   | 11.75                 | 10.25   | 11.75                    | 10.25   |
|                                                                   |                  | 60      | 11.75                | 10.25   | 11.75                | 10.25   | 11.75                 | 10.25   | 11.75                    | 10.25   |
|                                                                   |                  | 64      | 11.75                | 10.25   | 11.75                | 10.25   | 11.75                 | 10.25   | 11.75                    | 10.25   |
|                                                                   |                  | 100     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 104     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 108     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 112     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 116     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 120     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 124     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 128     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 132     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 136     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 140     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 144     | 10.50                | 9.00    | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 149     | 10.75                | 9.25    | 10.75                | 9.25    | 10.75                 | 9.25    | 10.75                    | 9.25    |
|                                                                   |                  | 153     | 10.75                | 9.25    | 10.75                | 9.25    | 10.75                 | 9.25    | 10.75                    | 9.25    |
|                                                                   |                  | 157     | 10.75                | 9.25    | 10.75                | 9.25    | 10.75                 | 9.25    | 10.75                    | 9.25    |
|                                                                   |                  | 161     | 10.75                | 9.25    | 10.75                | 9.25    | 10.75                 | 9.25    | 10.75                    | 9.25    |
|                                                                   |                  | 165     | 10.75                | 9.25    | 10.75                | 9.25    | 10.75                 | 9.25    | 10.75                    | 9.25    |
|                                                                   | 40 MHz Bandwidth | 38      |                      |         | 12.00                | 10.50   | 12.00                 | 10.50   | 11.50                    | 10.00   |
|                                                                   |                  | 46      |                      |         | 12.00                | 10.50   | 12.00                 | 10.50   | 12.00                    | 10.50   |
|                                                                   |                  | 54      |                      |         | 11.75                | 10.25   | 11.75                 | 10.25   | 11.75                    | 10.25   |
|                                                                   |                  | 62      |                      |         | 11.75                | 10.25   | 11.75                 | 10.25   | 11.25                    | 9.75    |
|                                                                   |                  | 102     |                      |         | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 110     |                      |         | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 118     |                      |         | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 126     |                      |         | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 134     |                      |         | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 142     |                      |         | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 151     |                      |         | 10.75                | 9.25    | 10.75                 | 9.25    | 10.75                    | 9.25    |
|                                                                   |                  | 159     |                      |         | 10.75                | 9.25    | 10.75                 | 9.25    | 10.75                    | 9.25    |
|                                                                   | 80 MHz Bandwidth | 42      |                      |         |                      |         | 11.50                 | 10.00   | 10.50                    | 9.00    |
|                                                                   |                  | 58      |                      |         |                      |         | 11.00                 | 9.50    | 10.00                    | 8.50    |
|                                                                   |                  | 106     |                      |         |                      |         | 10.50                 | 9.00    | 10.00                    | 8.50    |
|                                                                   |                  | 122     |                      |         |                      |         | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 138     |                      |         |                      |         | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 155     |                      |         |                      |         | 10.75                 | 9.25    | 10.75                    | 9.25    |

|                                         |                                                                                                                  |                            |                                 |
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Below table is applicable in the following conditions:

- Simultaneous conditions with Licensed Bands Antenna 3
- Simultaneous conditions with LTE Inter-band ULCA

| Mode/ Band                                                        |                  | Channel | IEEE 802.11n (5 GHz) |         | IEEE 802.11ac (5 GHz) |         | IEEE 802.11ax SU (5 GHz) |         |
|-------------------------------------------------------------------|------------------|---------|----------------------|---------|-----------------------|---------|--------------------------|---------|
|                                                                   |                  |         | Maximum              | Nominal | Maximum               | Nominal | Maximum                  | Nominal |
| Modulated Average -<br>2 Tx Chain (dBm)<br>SDM - 5GHz<br>ANTupper | 20 MHz Bandwidth | 36      | 12.00                | 10.50   | 12.00                 | 10.50   | 12.00                    | 10.50   |
|                                                                   |                  | 40      | 12.00                | 10.50   | 12.00                 | 10.50   | 12.00                    | 10.50   |
|                                                                   |                  | 44      | 12.00                | 10.50   | 12.00                 | 10.50   | 12.00                    | 10.50   |
|                                                                   |                  | 48      | 12.00                | 10.50   | 12.00                 | 10.50   | 12.00                    | 10.50   |
|                                                                   |                  | 52      | 11.75                | 10.25   | 11.75                 | 10.25   | 11.75                    | 10.25   |
|                                                                   |                  | 56      | 11.75                | 10.25   | 11.75                 | 10.25   | 11.75                    | 10.25   |
|                                                                   |                  | 60      | 11.75                | 10.25   | 11.75                 | 10.25   | 11.75                    | 10.25   |
|                                                                   |                  | 64      | 11.75                | 10.25   | 11.75                 | 10.25   | 11.75                    | 10.25   |
|                                                                   |                  | 100     | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 104     | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 108     | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 112     | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 116     | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 120     | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 124     | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 128     | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 132     | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 136     | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 140     | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 144     | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 149     | 10.75                | 9.25    | 10.75                 | 9.25    | 10.75                    | 9.25    |
|                                                                   |                  | 153     | 10.75                | 9.25    | 10.75                 | 9.25    | 10.75                    | 9.25    |
|                                                                   |                  | 157     | 10.75                | 9.25    | 10.75                 | 9.25    | 10.75                    | 9.25    |
|                                                                   |                  | 161     | 10.75                | 9.25    | 10.75                 | 9.25    | 10.75                    | 9.25    |
|                                                                   |                  | 165     | 10.75                | 9.25    | 10.75                 | 9.25    | 10.75                    | 9.25    |
|                                                                   | 40 MHz Bandwidth | 38      | 12.00                | 10.50   | 12.00                 | 10.50   | 11.50                    | 10.00   |
|                                                                   |                  | 46      | 12.00                | 10.50   | 12.00                 | 10.50   | 12.00                    | 10.50   |
|                                                                   |                  | 54      | 11.75                | 10.25   | 11.75                 | 10.25   | 11.75                    | 10.25   |
|                                                                   |                  | 62      | 11.75                | 10.25   | 11.75                 | 10.25   | 11.25                    | 9.75    |
|                                                                   |                  | 102     | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 110     | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 118     | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 126     | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 134     | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 142     | 10.50                | 9.00    | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   | 80 MHz Bandwidth | 151     | 10.75                | 9.25    | 10.75                 | 9.25    | 10.75                    | 9.25    |
|                                                                   |                  | 159     | 10.75                | 9.25    | 10.75                 | 9.25    | 10.75                    | 9.25    |
|                                                                   |                  | 42      |                      |         | 11.50                 | 10.00   | 10.50                    | 9.00    |
|                                                                   |                  | 58      |                      |         | 11.00                 | 9.50    | 10.00                    | 8.50    |
|                                                                   |                  | 106     |                      |         | 10.50                 | 9.00    | 10.00                    | 8.50    |
|                                                                   |                  | 122     |                      |         | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 138     |                      |         | 10.50                 | 9.00    | 10.50                    | 9.00    |
|                                                                   |                  | 155     |                      |         | 10.75                 | 9.25    | 10.75                    | 9.25    |

Note: In MIMO operations, 5GHz ANTupper transmits at maximum allowed powers as indicated above for both 2 Tx CDD and 2 Tx SDM.

|                                         |                                                                                                                  |                            |                                 |
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## 1.4 DUT Antenna Locations

The overall diagonal dimension of the device is > 200 mm. A diagram showing the location of the device antennas can be found in Appendix E. Exact antenna dimensions and separation distances are shown in the Technical Descriptions in the FCC filings.

**Table 1-6  
Device Edges/Sides for SAR Testing**

| Device Sides/Edges for SAR Testing |      |       |     |        |       |      |
|------------------------------------|------|-------|-----|--------|-------|------|
| Mode                               | Back | Front | Top | Bottom | Right | Left |
| GPRS 850 Ant 1                     | Yes  | No    | No  | Yes    | No    | Yes  |
| UMTS 850 Ant 1                     | Yes  | No    | No  | Yes    | No    | Yes  |
| LTE Band 12 Ant 1                  | Yes  | No    | No  | Yes    | No    | Yes  |
| LTE Band 13 Ant 1                  | Yes  | No    | No  | Yes    | No    | Yes  |
| LTE Band 5 (Cell) Ant 1            | Yes  | No    | No  | Yes    | No    | Yes  |
| LTE Band 26 (Cell) Ant 1           | Yes  | No    | No  | Yes    | No    | Yes  |
| LTE Band 48 Ant 1                  | Yes  | No    | No  | Yes    | No    | Yes  |
| GPRS 850 Ant 3                     | Yes  | No    | Yes | No     | Yes   | No   |
| UMTS 850 Ant 3                     | Yes  | No    | Yes | No     | Yes   | No   |
| LTE Band 12 Ant 3                  | Yes  | No    | Yes | No     | Yes   | No   |
| LTE Band 13 Ant 3                  | Yes  | No    | Yes | No     | Yes   | No   |
| LTE Band 5 (Cell) Ant 3            | Yes  | No    | Yes | No     | Yes   | No   |
| LTE Band 26 (Cell) Ant 3           | Yes  | No    | Yes | No     | Yes   | No   |
| LTE Band 48 Ant 3                  | Yes  | No    | Yes | No     | Yes   | No   |
| GPRS 1900 Ant 4A                   | Yes  | No    | Yes | No     | No    | Yes  |
| UMTS 1750 Ant 4A                   | Yes  | No    | Yes | No     | No    | Yes  |
| UMTS 1900 Ant 4A                   | Yes  | No    | Yes | No     | No    | Yes  |
| LTE Band 4 (AWS) Ant 4A            | Yes  | No    | Yes | No     | No    | Yes  |
| LTE Band 66 (AWS) Ant 4A           | Yes  | No    | Yes | No     | No    | Yes  |
| LTE Band 2 (PCS) Ant 4A            | Yes  | No    | Yes | No     | No    | Yes  |
| LTE Band 25 (PCS) Ant 4A           | Yes  | No    | Yes | No     | No    | Yes  |
| LTE Band 30 Ant 4A                 | Yes  | No    | Yes | No     | No    | Yes  |
| LTE Band 7 Ant 4A                  | Yes  | No    | Yes | No     | No    | Yes  |
| LTE Band 41 Ant 4A                 | Yes  | No    | Yes | No     | No    | Yes  |
| GPRS 1900 Ant 4B                   | Yes  | No    | Yes | No     | No    | Yes  |
| UMTS 1750 Ant 4B                   | Yes  | No    | Yes | No     | No    | Yes  |
| UMTS 1900 Ant 4B                   | Yes  | No    | Yes | No     | No    | Yes  |
| LTE Band 4 (AWS) Ant 4B            | Yes  | No    | Yes | No     | No    | Yes  |
| LTE Band 66 (AWS) Ant 4B           | Yes  | No    | Yes | No     | No    | Yes  |
| LTE Band 2 (PCS) Ant 4B            | Yes  | No    | Yes | No     | No    | Yes  |
| LTE Band 25 (PCS) Ant 4B           | Yes  | No    | Yes | No     | No    | Yes  |
| LTE Band 30 Ant 4B                 | Yes  | No    | Yes | No     | No    | Yes  |
| LTE Band 7 Ant 4B                  | Yes  | No    | Yes | No     | No    | Yes  |
| LTE Band 41 Ant 4B                 | Yes  | No    | Yes | No     | No    | Yes  |
| LTE Band 48 Ant 4B                 | Yes  | No    | Yes | No     | No    | Yes  |
| GPRS 1900 Ant 2A                   | Yes  | No    | No  | Yes    | Yes   | No   |
| UMTS 1750 Ant 2A                   | Yes  | No    | No  | Yes    | Yes   | No   |
| UMTS 1900 Ant 2A                   | Yes  | No    | No  | Yes    | Yes   | No   |
| LTE Band 4 (AWS) Ant 2A            | Yes  | No    | No  | Yes    | Yes   | No   |
| LTE Band 66 (AWS) Ant 2A           | Yes  | No    | No  | Yes    | Yes   | No   |
| LTE Band 2 (PCS) Ant 2A            | Yes  | No    | No  | Yes    | Yes   | No   |
| LTE Band 25 (PCS) Ant 2A           | Yes  | No    | No  | Yes    | Yes   | No   |
| LTE Band 30 Ant 2A                 | Yes  | No    | No  | Yes    | Yes   | No   |
| LTE Band 7 Ant 2A                  | Yes  | No    | No  | Yes    | Yes   | No   |
| LTE Band 41 Ant 2A                 | Yes  | No    | No  | Yes    | Yes   | No   |
| GPRS 1900 Ant 2B                   | Yes  | No    | No  | Yes    | Yes   | No   |
| UMTS 1750 Ant 2B                   | Yes  | No    | No  | Yes    | Yes   | No   |
| UMTS 1900 Ant 2B                   | Yes  | No    | No  | Yes    | Yes   | No   |
| LTE Band 4 (AWS) Ant 2B            | Yes  | No    | No  | Yes    | Yes   | No   |
| LTE Band 66 (AWS) Ant 2B           | Yes  | No    | No  | Yes    | Yes   | No   |
| LTE Band 2 (PCS) Ant 2B            | Yes  | No    | No  | Yes    | Yes   | No   |
| LTE Band 25 (PCS) Ant 2B           | Yes  | No    | No  | Yes    | Yes   | No   |
| LTE Band 30 Ant 2B                 | Yes  | No    | No  | Yes    | Yes   | No   |
| LTE Band 7 Ant 2B                  | Yes  | No    | No  | Yes    | Yes   | No   |
| LTE Band 41 Ant 2B                 | Yes  | No    | No  | Yes    | Yes   | No   |
| LTE Band 48 Ant 2B                 | Yes  | No    | No  | Yes    | Yes   | No   |
| 2.4 GHz WLAN Ant 4A                | Yes  | No    | Yes | No     | No    | Yes  |
| 2.4 GHz WLAN Ant 2A                | Yes  | No    | No  | Yes    | Yes   | No   |
| WLAN 5GHz ANTlower                 | Yes  | No    | No  | Yes    | Yes   | No   |
| WLAN 5GHz ANTupper                 | Yes  | No    | Yes | No     | Yes   | No   |
| Bluetooth Ant 4A                   | Yes  | No    | Yes | No     | No    | Yes  |
| Bluetooth Ant 2A                   | Yes  | No    | No  | Yes    | Yes   | No   |

Note: Per FCC KDB Publication 616217 D04v01r01, particular edges were not required to be evaluated for SAR based on the SAR exclusion threshold in KDB 447498 D01V06. Additional edges may have been evaluated for simultaneous transmission analysis.

|                                         |                                                                                                                  |                            |                                 |
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## 1.5 Simultaneous Transmission Capabilities

According to FCC KDB Publication 447498 D01v06, transmitters are considered to be operating simultaneously when there is overlapping transmission, with the exception of transmissions during network hand-offs with maximum hand-off duration less than 30 seconds.

This device contains multiple transmitters that may operate simultaneously, and therefore requires a simultaneous transmission analysis according to FCC KDB Publication 447498 D01v06 4.3.2 procedures.

**Table 1-7**  
**Simultaneous Transmission Scenarios**

| No. | Capable Transmit Configuration                                   | Body |
|-----|------------------------------------------------------------------|------|
| 1   | Cellular Band + 2.4 GHz Wi-Fi                                    | Yes  |
| 2   | Cellular Band + 5 GHz Wi-Fi                                      | Yes  |
| 3   | Cellular Band + 2.4 GHz Bluetooth                                | Yes  |
| 4   | Cellular Band+ 2.4 GHz Wi-Fi MIMO                                | Yes  |
| 5   | Cellular Band + 5 GHz Wi-Fi MIMO                                 | Yes  |
| 6   | Cellular Band + 2.4 GHz Bluetooth MIMO (TxBF)                    | Yes  |
| 7   | Cellular Band + 2.4 GHz Bluetooth + 5 GHz Wi-Fi                  | Yes  |
| 8   | Cellular Band + 2.4 GHz Bluetooth MIMO (TxBF) + 5 GHz Wi-Fi      | Yes  |
| 9   | Cellular Band + 2.4 GHz Bluetooth + 5 GHz Wi-Fi MIMO             | Yes  |
| 10  | Cellular Band + 2.4 GHz Bluetooth MIMO (TxBF) + 5 GHz Wi-Fi MIMO | Yes  |
| 11  | 2.4 GHz Bluetooth + 5 GHz Wi-Fi                                  | Yes  |
| 12  | 2.4 GHz Bluetooth MIMO (TxBF) + 5 GHz Wi-Fi                      | Yes  |
| 13  | 2.4 GHz Bluetooth + 5 GHz Wi-Fi MIMO                             | Yes  |
| 14  | 2.4 GHz Bluetooth MIMO (TxBF) + 5 GHz Wi-Fi MIMO                 | Yes  |

**Table 1-8**  
**Simultaneous Transmission Scenarios of Inter-band ULCA**

| No. | LTE Inter-Band ULCA Transmit Configuration | Body | Note                                                                                                    |
|-----|--------------------------------------------|------|---------------------------------------------------------------------------------------------------------|
| 1   | Cellular Ant 1 + Cellular Ant 2A           | Yes  | LTE Bands transmitting from Ant 1: LTE B5/12/13<br>LTE Bands transmitting from Ant 2A: LTE B2/4/7/66/30 |
| 2   | Cellular Ant 1 + Cellular Ant 4A           | Yes  | LTE Bands transmitting from Ant 1: LTE B5/12/13<br>LTE Bands transmitting from Ant 4A: LTE B2/4/7/66/30 |
| 3   | Cellular Ant 1 + Cellular Ant 4B           | Yes  | LTE Bands transmitting from Ant 1: LTE B5/12/13<br>LTE Bands transmitting from Ant 4B: LTE B2/4/7/66/30 |
| 4   | Cellular Ant 3 + Cellular Ant 2A           | Yes  | LTE Bands transmitting from Ant 3: LTE B5/12/13<br>LTE Bands transmitting from Ant 2A: LTE B2/4/7/66/30 |
| 5   | Cellular Ant 3 + Cellular Ant 2B           | Yes  | LTE Bands transmitting from Ant 3: LTE B5/12/13<br>LTE Bands transmitting from Ant 2B: LTE B2/4/7/66/30 |
| 6   | Cellular Ant 3 + Cellular Ant 4A           | Yes  | LTE Bands transmitting from Ant 3: LTE B5/12/13<br>LTE Bands transmitting from Ant 4A: LTE B2/4/7/66/30 |

Note: The technical description includes all the possible Inter-band ULCA combinations.

**Table 1-9**  
**Simultaneous Transmission Scenarios with Inter-band ULCA Active**

| No. | Capable Transmit Configuration                                         | Body |
|-----|------------------------------------------------------------------------|------|
| 1   | LTE Inter-Band ULCA + 2.4 GHz Wi-Fi                                    | Yes  |
| 2   | LTE Inter-Band ULCA + 5 GHz Wi-Fi                                      | Yes  |
| 3   | LTE Inter-Band ULCA + 2.4 GHz Bluetooth                                | Yes  |
| 4   | LTE Inter-Band ULCA+ 2.4 GHz Wi-Fi MIMO                                | Yes  |
| 5   | LTE Inter-Band ULCA + 5 GHz Wi-Fi MIMO                                 | Yes  |
| 6   | LTE Inter-Band ULCA + 2.4 GHz Bluetooth MIMO (TxBF)                    | Yes  |
| 7   | LTE Inter-Band ULCA + 2.4 GHz Bluetooth + 5 GHz Wi-Fi                  | Yes  |
| 8   | LTE Inter-Band ULCA + 2.4 GHz Bluetooth MIMO (TxBF) + 5 GHz Wi-Fi      | Yes  |
| 9   | LTE Inter-Band ULCA + 2.4 GHz Bluetooth + 5 GHz Wi-Fi MIMO             | Yes  |
| 10  | LTE Inter-Band ULCA + 2.4 GHz Bluetooth MIMO (TxBF) + 5 GHz Wi-Fi MIMO | Yes  |

Note: LTE inter-band ULCA can operate in any of the combinations in Table 1-8.

|                                         |                                                                                                                  |                            |                                 |
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1. There are no limitations in the above listed simultaneous transmission scenarios between cellular antennas and BT/WI-FI antennas.
2. 2.4 GHz WLAN, and 2.4 GHz Bluetooth share the same antenna path and cannot transmit simultaneously.
3. This device supports 2x2 MIMO Tx for WLAN 802.11a/g/n/ac/ax. 802.11a/g/n/ac/ax supports CDD and STBC and 802.11n/ac/ax additionally supports SDM. Each WLAN antenna can transmit independently or together when operating with MIMO.
4. This device supports VOWIFI.

## 1.6 Miscellaneous SAR Test Considerations

### (A) WIFI/BT

Since UNII-1 band has higher maximum output power than UNII-2A band and the highest reported SAR for UNII-1 is less than 1.2 W/kg, SAR is not required for UNII-2A band according to FCC KDB Publication 248227 D01v02r02

The WLAN/Bluetooth chipset in this device is produced by two different suppliers. The electrically identical modules are manufactured with the identical mechanical structure to meet the same specifications and functions. Two device variants are referenced as Variant 1 and Variant 2 in this report. WLAN/Bluetooth SAR worst case configuration was spotchecked on Variant 1 and Variant 2. The Variant with the highest reported SAR value was evaluated for the remaining WLAN/Bluetooth configurations.

This device supports channel 1-13 for 2.4 GHz WLAN. However, because channel 12/13 targets are not higher than that of channels 1-11, channels 1, 6, and 11 were considered for SAR testing per FCC KDB 248227 D01V02r02

This device supports IEEE 802.11ac with the following features:

- a) Up to 80 MHz Bandwidth only
- b) No aggregate channel configurations
- c) 2 Tx antenna output
- d) 256 QAM is supported
- e) TDWR and Band gap channels are supported

This device supports IEEE 802.11ax with the following features:

- a) Up to 80 MHz Bandwidth only for 5 GHz
- b) Up to 20 MHz Bandwidth only for 2.4 GHz
- c) No aggregate channel configurations
- d) 2 Tx antenna output
- e) Up to 1024 QAM is supported
- f) TDWR and Band gap channels are supported for 5 GHz
- g) MU-MIMO UL Operations are not supported

Per April 2019 TCB Workshop Notes, SAR testing was not required for 802.11ax when applying the initial test configuration procedures of KDB 248227, with 802.11ax considered a higher order 802.11 mode.

|                                         |                                                                                                                  |                            |                                 |
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## (B) Licensed Transmitter(s)

This device is only capable of QPSK HSUPA in the uplink. Therefore, no additional SAR tests are required beyond that described for devices with HSUPA in KDB 941225 D01v03r01.

LTE SAR for the higher modulations and lower bandwidths were not tested since the maximum average output power of all required channels and configurations was not more than 0.5 dB higher than the highest bandwidth; and the reported LTE SAR for the highest bandwidth was less than 1.45 W/kg for all configurations according to FCC KDB 941225 D05v02r04.

This device supports LTE Carrier Aggregation (CA) in the downlink. All uplink communications are identical to Release 8 specifications. Per FCC KDB Publication 941225 D05A v01r02, SAR for LTE CA operations was not needed since the maximum average output power in LTE CA mode was not >0.25 dB higher than the maximum output power when downlink carrier aggregation was inactive. The downlink carrier aggregation exclusion analysis can be found in Appendix F.

This device supports intra-band LTE Carrier Aggregation (CA) for LTE Band 41, LTE Band 5, and LTE Band 7 with two component carriers in the uplink. SAR Measurements and conducted powers were evaluated per 2017 Fall TCB Workshop Notes.

This device supports inter-band LTE Carrier Aggregation (CA) for LTE Bands 2/4/5/7/12/13/30/66 with two component carriers in the uplink. Additional SAR Measurements were performed for some positions at the maximum allowed output power in inter-band ULCA mode. All single uplink 1g SAR values for each band were < 0.8 W/kg and the algebraic summation of the 1g SAR inter-band ULCA values were < 1.45. Per Fall 2018 TCB Workshop notes, no additional measurements were required.

This device supports downlink 4x4 MIMO operations for some LTE Bands. Per May 2017 TCB Workshop Notes, SAR for 4x4 DL MIMO was not needed since the maximum average output power in 4x4 DL MIMO mode was not more than 0.25 dB higher than the maximum output power with 4x4 DL MIMO inactive. Additionally, SAR for 4x4 MIMO Downlink Carrier Aggregation was not needed since the maximum average output power in 4x4 MIMO Downlink Carrier Aggregation mode was not more than 0.25 dB higher than the maximum output power with 4x4 MIMO Downlink and downlink carrier aggregation inactive.

This device supports 64QAM on the uplink and 256QAM on the downlink for LTE Operations. Conducted powers for 64QAM uplink configurations were measured per Section 5.1 of FCC KDB Publication 941225 D05v02r05. SAR was not required for 64QAM since the highest maximum output power for 64 QAM is  $\leq \frac{1}{2}$  dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is  $\leq 1.45$  W/kg, per Section 5.2.4 of FCC KDB Publication 941225 D05v02r05.

This device supports both Power Class 2 (PC2) and Power Class 3 (PC3) for LTE Band 41. Per May 2017 TCB Workshop Notes, SAR tests were performed with Power Class 3 (given the specific UL/DL limitations for Power Class 2). Additionally, SAR testing for the power class 2 condition was evaluated for the highest configuration in Power Class 3 for each test configuration to confirm the results were scalable linearly (See Section 13.1).

This device supports LTE capabilities with overlapping transmission frequency ranges. When the supported frequency range of an LTE Band falls completely within an LTE band with a larger transmission frequency range, both LTE bands have the same target power (or the band with the larger transmission frequency range has a higher target power), and both LTE bands share the same transmission path and signal characteristics, SAR was only assessed for the band with the larger transmission frequency range.

|                                         |                                                                                                           |                            |                                 |
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## 1.7 Guidance Applied

- FCC KDB Publication 941225 D01v03r01, D05v02r04, D05Av01r02 (2G/3G/4G)
- FCC KDB Publication 248227 D01v02r02 (SAR Considerations for 802.11 Devices)
- FCC KDB Publication 447498 D01v06 (General SAR Guidance)
- FCC KDB Publication 865664 D01v01r04, D02v01r02 (SAR Measurements up to 6 GHz)
- FCC KDB Publication 616217 D04v01r02 (Tablet)
- October 2013 TCB Workshop Notes (GPRS Testing Considerations)
- May 2017 TCB Workshop Notes (LTE 4x4 Downlink MIMO, LTE Band 41 Power Class 2/3)
- April 2018 TCB Workshop Notes (LTE Carrier Aggregation)
- October 2018 TCB Workshop Notes (Inter-band Uplink Carrier Aggregation)
- April 2019 TCB Workshop Notes (IEEE 802.11ax)

## 1.8 Device Serial Numbers

Several samples with identical hardware were used to support SAR testing. The manufacturer has confirmed that the device(s) tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units. The serial numbers used for each test are indicated alongside the results in Section 10.

|                                         |                                                                                                                  |                            |                                 |
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| LTE Information                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                |                 |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|-----------------|
| Form Factor                                                                                                       | Tablet Device                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                |                |                |                 |
| Frequency Range of each LTE transmission band                                                                     | LTE Band 12 (699.7 - 715.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                |                 |
|                                                                                                                   | LTE Band 17 (706.5 - 713.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                |                 |
|                                                                                                                   | LTE Band 13 (779.5 - 784.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                |                 |
|                                                                                                                   | LTE Band 5 (Cell) (824.7 - 848.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                             |                |                |                |                 |
|                                                                                                                   | LTE Band 26 (Cell) (814.7 - 848.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                |                |                 |
|                                                                                                                   | LTE Band 4 (AWS) (1710.7 - 1754.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                |                |                 |
|                                                                                                                   | LTE Band 66 (AWS) (1710.7 - 1779.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                           |                |                |                |                 |
|                                                                                                                   | LTE Band 2 (PCS) (1850.7 - 1909.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                |                |                 |
|                                                                                                                   | LTE Band 25 (PCS) (1850.7 - 1914.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                           |                |                |                |                 |
|                                                                                                                   | LTE Band 30 (2307.5 - 2312.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                |                |                 |
|                                                                                                                   | LTE Band 7 (2502.5 - 2567.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |                |                |                 |
|                                                                                                                   | LTE Band 41 (2498.5 - 2687.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                |                |                 |
|                                                                                                                   | LTE Band 48 (3552.5 - 3697.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                |                |                 |
|                                                                                                                   | LTE Band 12: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                |                |                 |
| Channel Bandwidths                                                                                                | LTE Band 17: 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                |                |                 |
|                                                                                                                   | LTE Band 13: 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                |                |                 |
|                                                                                                                   | LTE Band 5 (Cell): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                                                  |                |                |                |                 |
|                                                                                                                   | LTE Band 26 (Cell): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                |                |                 |
|                                                                                                                   | LTE Band 4 (AWS): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                |                 |
|                                                                                                                   | LTE Band 66 (AWS): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                                                                                                                                                                                                                                                                                                                                                                  |                |                |                |                 |
|                                                                                                                   | LTE Band 2 (PCS): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                |                 |
|                                                                                                                   | LTE Band 25 (PCS): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                                                                                                                                                                                                                                                                                                                                                                  |                |                |                |                 |
|                                                                                                                   | LTE Band 30: 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                |                |                 |
|                                                                                                                   | LTE Band 7: 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                |                |                 |
|                                                                                                                   | LTE Band 41: 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                |                |                 |
|                                                                                                                   | LTE Band 48: 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                |                |                 |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                |                 |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                |                 |
| Channel Numbers and Frequencies (MHz)                                                                             | Low                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Low-Mid        | Mid            | Mid-High       | High            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                |                 |
| LTE Band 12: 1.4 MHz                                                                                              | 699.7 (23017)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | 707.5 (23095)  |                | 715.3 (23173)   |
| LTE Band 12: 3 MHz                                                                                                | 700.5 (23025)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | 707.5 (23095)  |                | 714.5 (23165)   |
| LTE Band 12: 5 MHz                                                                                                | 701.5 (23035)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | 707.5 (23095)  |                | 713.5 (23155)   |
| LTE Band 12: 10 MHz                                                                                               | 704 (23060)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                | 707.5 (23095)  |                | 711 (23130)     |
| LTE Band 17: 5 MHz                                                                                                | 706.5 (23755)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | 710 (23790)    |                | 713.5 (23825)   |
| LTE Band 17: 10 MHz                                                                                               | 709 (23780)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                | 710 (23790)    |                | 711 (23800)     |
| LTE Band 13: 5 MHz                                                                                                | 779.5 (23205)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | 782 (23230)    |                | 784.5 (23255)   |
| LTE Band 13: 10 MHz                                                                                               | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                | 782 (23230)    |                | N/A             |
| LTE Band 5 (Cell): 1.4 MHz                                                                                        | 824.7 (20407)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | 836.5 (20525)  |                | 848.3 (20643)   |
| LTE Band 5 (Cell): 3 MHz                                                                                          | 825.5 (20415)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | 836.5 (20525)  |                | 847.5 (20635)   |
| LTE Band 5 (Cell): 5 MHz                                                                                          | 826.5 (20425)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | 836.5 (20525)  |                | 846.5 (20625)   |
| LTE Band 5 (Cell): 10 MHz                                                                                         | 829 (20450)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                | 836.5 (20525)  |                | 844 (20600)     |
| LTE Band 26 (Cell): 1.4 MHz                                                                                       | 814.7 (26697)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | 831.5 (26865)  |                | 848.3 (27033)   |
| LTE Band 26 (Cell): 3 MHz                                                                                         | 815.5 (26705)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | 831.5 (26865)  |                | 847.5 (27025)   |
| LTE Band 26 (Cell): 5 MHz                                                                                         | 816.5 (26715)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | 831.5 (26865)  |                | 846.5 (27015)   |
| LTE Band 26 (Cell): 10 MHz                                                                                        | 819 (26740)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                | 831.5 (26865)  |                | 844 (26990)     |
| LTE Band 4 (AWS): 1.4 MHz                                                                                         | 1710.7 (19957)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                | 1732.5 (20175) |                | 1754.3 (20393)  |
| LTE Band 4 (AWS): 3 MHz                                                                                           | 1711.5 (19965)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                | 1732.5 (20175) |                | 1753.5 (20385)  |
| LTE Band 4 (AWS): 5 MHz                                                                                           | 1712.5 (19975)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                | 1732.5 (20175) |                | 1752.5 (20375)  |
| LTE Band 4 (AWS): 10 MHz                                                                                          | 1715 (20000)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                | 1732.5 (20175) |                | 1750 (20350)    |
| LTE Band 4 (AWS): 15 MHz                                                                                          | 1717.5 (20025)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                | 1732.5 (20175) |                | 1747.5 (20325)  |
| LTE Band 4 (AWS): 20 MHz                                                                                          | 1720 (20050)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                | 1732.5 (20175) |                | 1745 (20300)    |
| LTE Band 66 (AWS): 1.4 MHz                                                                                        | 1710.7 (131979)                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                | 1745 (132322)  |                | 1779.3 (132665) |
| LTE Band 66 (AWS): 3 MHz                                                                                          | 1711.5 (131987)                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                | 1745 (132322)  |                | 1778.5 (132657) |
| LTE Band 66 (AWS): 5 MHz                                                                                          | 1712.5 (131997)                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                | 1745 (132322)  |                | 1777.5 (132647) |
| LTE Band 66 (AWS): 10 MHz                                                                                         | 1715 (132022)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | 1745 (132322)  |                | 1775 (132622)   |
| LTE Band 66 (AWS): 15 MHz                                                                                         | 1717.5 (132047)                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                | 1745 (132322)  |                | 1772.5 (132597) |
| LTE Band 66 (AWS): 20 MHz                                                                                         | 1720 (132072)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | 1745 (132322)  |                | 1770 (132572)   |
| LTE Band 2 (PCS): 1.4 MHz                                                                                         | 1850.7 (18607)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                | 1880 (18900)   |                | 1909.3 (19193)  |
| LTE Band 2 (PCS): 3 MHz                                                                                           | 1851.5 (18615)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                | 1880 (18900)   |                | 1908.5 (19185)  |
| LTE Band 2 (PCS): 5 MHz                                                                                           | 1852.5 (18625)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                | 1880 (18900)   |                | 1907.5 (19175)  |
| LTE Band 2 (PCS): 10 MHz                                                                                          | 1855 (18650)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                | 1880 (18900)   |                | 1905 (19150)    |
| LTE Band 2 (PCS): 15 MHz                                                                                          | 1857.5 (18675)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                | 1880 (18900)   |                | 1902.5 (19125)  |
| LTE Band 2 (PCS): 20 MHz                                                                                          | 1860 (18700)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                | 1880 (18900)   |                | 1900 (19100)    |
| LTE Band 25 (PCS): 1.4 MHz                                                                                        | 1850.7 (26047)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                | 1882.5 (26365) |                | 1914.3 (26683)  |
| LTE Band 25 (PCS): 3 MHz                                                                                          | 1851.5 (26055)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                | 1882.5 (26365) |                | 1913.5 (26675)  |
| LTE Band 25 (PCS): 5 MHz                                                                                          | 1852.5 (26065)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                | 1882.5 (26365) |                | 1912.5 (26665)  |
| LTE Band 25 (PCS): 10 MHz                                                                                         | 1855 (26090)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                | 1882.5 (26365) |                | 1910 (26640)    |
| LTE Band 25 (PCS): 15 MHz                                                                                         | 1857.5 (26115)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                | 1882.5 (26365) |                | 1907.5 (26615)  |
| LTE Band 25 (PCS): 20 MHz                                                                                         | 1860 (26140)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                | 1882.5 (26365) |                | 1905 (26590)    |
| LTE Band 30: 5 MHz                                                                                                | 2307.5 (27685)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                | 2310 (27710)   |                | 2312.5 (27735)  |
| LTE Band 30: 10 MHz                                                                                               | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                | 2310 (27710)   |                | N/A             |
| LTE Band 7: 5 MHz                                                                                                 | 2502.5 (20775)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                | 2535 (21100)   |                | 2567.5 (21425)  |
| LTE Band 7: 10 MHz                                                                                                | 2505 (20800)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                | 2535 (21100)   |                | 2565 (21400)    |
| LTE Band 7: 15 MHz                                                                                                | 2507.5 (20825)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                | 2535 (21100)   |                | 2562.5 (21375)  |
| LTE Band 7: 20 MHz                                                                                                | 2510 (20850)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                | 2535 (21100)   |                | 2560 (21350)    |
| LTE Band 41: 5 MHz                                                                                                | 2506 (39750)                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2549.5 (40185) | 2593 (40620)   | 2636.5 (41055) | 2680 (41490)    |
| LTE Band 41: 10 MHz                                                                                               | 2506 (39750)                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2549.5 (40185) | 2593 (40620)   | 2636.5 (41055) | 2680 (41490)    |
| LTE Band 41: 15 MHz                                                                                               | 2506 (39750)                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2549.5 (40185) | 2593 (40620)   | 2636.5 (41055) | 2680 (41490)    |
| LTE Band 41: 20 MHz                                                                                               | 2506 (39750)                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2549.5 (40185) | 2593 (40620)   | 2636.5 (41055) | 2680 (41490)    |
| LTE Band 48: 5 MHz                                                                                                | 3552.5 (55265)                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3600.8 (55748) | N/A            | 3649.2 (56232) | 3697.5 (56715)  |
| LTE Band 48: 10 MHz                                                                                               | 3555 (55290)                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3601.7 (55757) | N/A            | 3648.3 (56223) | 3695 (56690)    |
| LTE Band 48: 15 MHz                                                                                               | 3557.5 (55315)                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3602.5 (55765) | N/A            | 3647.5 (56215) | 3692.5 (56665)  |
| LTE Band 48: 20 MHz                                                                                               | 3560 (55340)                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3603.3 (55773) | N/A            | 3646.7 (56207) | 3690 (56640)    |
| UE Category                                                                                                       | DL UE Cat 19 (QPSK, 16QAM, 64QAM, 256QAM), UL UE Cat 13 (QPSK, 16QAM, 64QAM)                                                                                                                                                                                                                                                                                                                                                                                      |                |                |                |                 |
| Modulations Supported in UL                                                                                       | QPSK, 16QAM, 64QAM                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                |                 |
| LTE MPR Permanently implemented per 3GPP TS 36.101 section 6.2.3-6.2.5? (manufacturer attestation to be provided) | YES                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                |                |                 |
| A-MPR (Additional MPR) disabled for SAR Testing?                                                                  | YES                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                |                |                 |
| LTE Carrier Aggregation Possible Combinations                                                                     | The technical description includes all the possible carrier aggregation combinations                                                                                                                                                                                                                                                                                                                                                                              |                |                |                |                 |
| LTE Additional Information                                                                                        | This device does not support full CA features on 3GPP Release 13. It supports carrier aggregation and downlink MIMO features as shown in Section 8 and Appendix F. All uplink communications are identical to the Release 8 Specifications. Uplink communications are done on the PCC unless otherwise specified. The following LTE Release 13 Features are not supported: Relay, HetNet, Enhanced MIMO, eCIC, eMBMS, Cross-Carrier Scheduling, Enhanced SC-FDMA. |                |                |                |                 |

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The FCC and Innovation, Science, and Economic Development Canada have adopted the guidelines for evaluating the environmental effects of radio frequency (RF) radiation in ET Docket 93-62 on Aug. 6, 1996 and Health Canada Safety Code 6 to protect the public and workers from the potential hazards of RF emissions due to FCC-regulated portable devices. [1]

The safety limits used for the environmental evaluation measurements are based on the criteria published by the American National Standards Institute (ANSI) for localized specific absorption rate (SAR) in IEEE/ANSI C95.1-1992 Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz [3] and Health Canada RF Exposure Guidelines Safety Code 6 [22]. The measurement procedure described in IEEE/ANSI C95.3-2002 Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields - RF and Microwave [4] is used for guidance in measuring the Specific Absorption Rate (SAR) due to the RF radiation exposure from the Equipment Under Test (EUT). These criteria for SAR evaluation are similar to those recommended by the International Committee for Non-Ionizing Radiation Protection (ICNIRP) in Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields,” Report No. Vol 74. SAR is a measure of the rate of energy absorption due to exposure to an RF transmitting source. SAR values have been related to threshold levels for potential biological hazards.

### 3.1 SAR Definition

Specific Absorption Rate is defined as the time derivative (rate) of the incremental energy (dU) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dV) of a given density ( $\rho$ ). It is also defined as the rate of RF energy absorption per unit mass at a point in an absorbing body (see Equation 3-1).

**Equation 3-1**  
**SAR Mathematical Equation**

$$SAR = \frac{d}{dt} \left( \frac{dU}{dm} \right) = \frac{d}{dt} \left( \frac{dU}{\rho dv} \right)$$

SAR is expressed in units of Watts per Kilogram (W/kg).

$$SAR = \frac{\sigma \cdot E^2}{\rho}$$

where:

- $\sigma$  = conductivity of the tissue-simulating material (S/m)
- $\rho$  = mass density of the tissue-simulating material (kg/m<sup>3</sup>)
- E = Total RMS electric field strength (V/m)

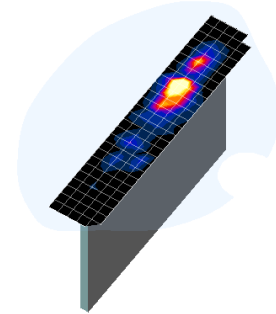
NOTE: The primary factors that control rate of energy absorption were found to be the wavelength of the incident field in relation to the dimensions and geometry of the irradiated organism, the orientation of the organism in relation to the polarity of field vectors, the presence of reflecting surfaces, and whether conductive contact is made by the organism with a ground plane.[6]

|                                         |                                                                                                                  |                            |                                 |
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### 4.1 Measurement Procedure

The evaluation was performed using the following procedure compliant to FCC KDB Publication 865664 D01v01r04 and IEEE 1528-2013:

1. The SAR distribution at the exposed side of the head or body was measured at a distance no greater than 5.0 mm from the inner surface of the shell. The area covered the entire dimension of the device-head and body interface and the horizontal grid resolution was determined per FCC KDB Publication 865664 D01v01r04 (See Table 4-1) and IEEE 1528-2013.
2. The point SAR measurement was taken at the maximum SAR region determined from Step 1 to enable the monitoring of SAR fluctuations/drifts during the 1g/10g cube evaluation. SAR at this fixed point was measured and used as a reference value.
3. Based on the area scan data, the peak of the region with maximum SAR was determined by spline interpolation. Around this point, a volume was assessed according to the measurement resolution and volume size requirements of FCC KDB Publication 865664 D01v01r04 (See Table 4-1) and IEEE 1528-2013. On the basis of this data set, the spatial peak SAR value was evaluated with the following procedure (see references or the DASY manual online for more details):
  - a. SAR values at the inner surface of the phantom are extrapolated from the measured values along the line away from the surface with spacing no greater than that in Table 4-1. The extrapolation was based on a least-squares algorithm. A polynomial of the fourth order was calculated through the points in the z-axis (normal to the phantom shell).
  - b. After the maximum interpolated values were calculated between the points in the cube, the SAR was averaged over the spatial volume (1g or 10g) using a 3D-Spline interpolation algorithm. The 3D-spline is composed of three one-dimensional splines with the “Not a knot” condition (in x, y, and z directions). The volume was then integrated with the trapezoidal algorithm. One thousand points (10 x 10 x 10) were obtained through interpolation, in order to calculate the averaged SAR.
  - c. All neighboring volumes were evaluated until no neighboring volume with a higher average value was found.
4. The SAR reference value, at the same location as step 2, was re-measured after the zoom scan was complete to calculate the SAR drift. If the drift deviated by more than 5%, the SAR test and drift measurements were repeated.



**Figure 4-1**  
**Sample SAR Area**  
**Scan**

**Table 4-1**  
**Area and Zoom Scan Resolutions per FCC KDB Publication 865664 D01v01r04\***

| Frequency | Maximum Area Scan Resolution (mm)<br>( $\Delta x_{\text{area}}, \Delta y_{\text{area}}$ ) | Maximum Zoom Scan Resolution (mm)<br>( $\Delta x_{\text{zoom}}, \Delta y_{\text{zoom}}$ ) | Maximum Zoom Scan Spatial Resolution (mm) |                             |                                      | Minimum Zoom Scan Volume (mm)<br>(x,y,z) |
|-----------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------|--------------------------------------|------------------------------------------|
|           |                                                                                           |                                                                                           | Uniform Grid                              | Graded Grid                 |                                      |                                          |
|           |                                                                                           |                                                                                           |                                           | $\Delta z_{\text{zoom}}(n)$ | $\Delta z_{\text{zoom}}(1)^*$        |                                          |
| ≤ 2 GHz   | ≤ 15                                                                                      | ≤ 8                                                                                       | ≤ 5                                       | ≤ 4                         | ≤ 1.5* $\Delta z_{\text{zoom}}(n-1)$ | ≥ 30                                     |
| 2-3 GHz   | ≤ 12                                                                                      | ≤ 5                                                                                       | ≤ 5                                       | ≤ 4                         | ≤ 1.5* $\Delta z_{\text{zoom}}(n-1)$ | ≥ 30                                     |
| 3-4 GHz   | ≤ 12                                                                                      | ≤ 5                                                                                       | ≤ 4                                       | ≤ 3                         | ≤ 1.5* $\Delta z_{\text{zoom}}(n-1)$ | ≥ 28                                     |
| 4-5 GHz   | ≤ 10                                                                                      | ≤ 4                                                                                       | ≤ 3                                       | ≤ 2.5                       | ≤ 1.5* $\Delta z_{\text{zoom}}(n-1)$ | ≥ 25                                     |
| 5-6 GHz   | ≤ 10                                                                                      | ≤ 4                                                                                       | ≤ 2                                       | ≤ 2                         | ≤ 1.5* $\Delta z_{\text{zoom}}(n-1)$ | ≥ 22                                     |

\*Also compliant to IEEE 1528-2013 Table 6

|                                         |                                                                                                                  |                            |                                 |
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## 5 TEST CONFIGURATION POSITIONS

### 5.1 Device Holder

The device holder is made out of low-loss POM material having the following dielectric parameters: relative permittivity  $\epsilon = 3$  and loss tangent  $\delta = 0.02$ .

### 5.2 SAR Testing for Tablet per KDB Publication 616217 D04v01r02

Per FCC KDB Publication 616217 D04v01r02, the back surface and edges of the tablet should be tested for SAR compliance with the tablet touching the phantom. The SAR Exclusion Threshold in KDB 447498 D01v06 can be applied to determine SAR test exclusion for adjacent edge configurations. The closest distance from the antenna to an adjacent tablet edge is used to determine if SAR testing is required for the adjacent edges, with the adjacent edge positioned against the phantom and the edge containing the antenna positioned perpendicular to the phantom.

|                                         |                                                                                                           |                            |                                 |
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## 6.1 Uncontrolled Environment

UNCONTROLLED ENVIRONMENTS are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

## 6.2 Controlled Environment

CONTROLLED ENVIRONMENTS are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation). In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. This exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

**Table 6-1**  
**SAR Human Exposure Specified in ANSI/IEEE C95.1-1992 and Health Canada Safety Code 6**

| HUMAN EXPOSURE LIMITS                                               |                                                                           |                                                                   |
|---------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------|
|                                                                     | UNCONTROLLED ENVIRONMENT<br><i>General Population</i><br>(W/kg) or (mW/g) | CONTROLLED ENVIRONMENT<br><i>Occupational</i><br>(W/kg) or (mW/g) |
| <b>Peak Spatial Average SAR</b><br>Head                             | 1.6                                                                       | 8.0                                                               |
| <b>Whole Body SAR</b>                                               | 0.08                                                                      | 0.4                                                               |
| <b>Peak Spatial Average SAR</b><br>Hands, Feet, Ankle, Wrists, etc. | 4.0                                                                       | 20                                                                |

1. The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.
2. The Spatial Average value of the SAR averaged over the whole body.
3. The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

|                                         |                                                                                                                  |                            |                                 |
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## 7 FCC MEASUREMENT PROCEDURES

Power measurements for licensed transmitters are performed using a base station simulator under digital average power.

### 7.1 Measured and Reported SAR

Per FCC KDB Publication 447498 D01v06, when SAR is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance. For simultaneous transmission, the measured aggregate SAR must be scaled according to the sum of the differences between the maximum tune-up tolerance and actual power used to test each transmitter. When SAR is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as *reported* SAR. The highest *reported* SAR results are identified on the grant of equipment authorization according to procedures in KDB 690783 D01v01r03.

### 7.2 3G SAR Test Reduction Procedure

In FCC KDB Publication 941225 D01v03r01, certain transmission modes within a frequency band and wireless mode evaluated for SAR are defined as primary modes. The equivalent modes considered for SAR test reduction are denoted as secondary modes. When the maximum output power including tune-up tolerance specified for production units in a secondary mode is  $\leq 0.25$  dB higher than the primary mode or when the highest reported SAR of the primary mode, scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode, is  $\leq 1.2$  W/kg, SAR measurements are not required for the secondary mode. These criteria are referred to as the 3G SAR test reduction procedure. When the 3G SAR test reduction procedure is not satisfied, SAR measurements are additionally required for the secondary mode.

### 7.3 Procedures Used to Establish RF Signal for SAR

The following procedures are according to FCC KDB Publication 941225 D01v03r01 “3G SAR Measurement Procedures.”

The device is placed into a simulated call using a base station simulator in a RF shielded chamber. Establishing connections in this manner ensure a consistent means for testing SAR and are recommended for evaluating SAR [4]. Devices under test are evaluated prior to testing, with a fully charged battery and were configured to operate at maximum output power. In order to verify that the device is tested throughout the SAR test at maximum output power, the SAR measurement system measures a “point SAR” at an arbitrary reference point at the start and end of the 1 gram SAR evaluation, to assess for any power drifts during the evaluation. If the power drift deviates by more than 5%, the SAR test and drift measurements are repeated.

### 7.4 SAR Measurement Conditions for UMTS

#### 7.4.1 Output Power Verification

Maximum output power is verified on the High, Middle and Low channels according to the general descriptions in section 5.2 of 3GPP TS 34.121, using the appropriate RMC with TPC (transmit power control) set to all “1s” or applying the required inner loop power control procedures to maintain maximum output power while HSUPA is active. Results for all applicable physical channel configurations (DPCCH, DPDCHn and spreading codes, HS-DPCCH etc) are tabulated in this test report. All configurations that are not supported by the DUT or cannot be measured due to technical or equipment limitations are identified.

|                                         |                                                                                                           |                            |                                 |
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## 7.4.2 Body SAR Measurements

SAR for body exposure configurations is measured using the 12.2 kbps RMC with the TPC bits all “1s”. The 3G SAR test reduction procedure is applied to other spreading codes and multiple DPDCH<sub>n</sub> configurations supported by the handset with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured using an applicable RMC configuration with the corresponding spreading code or DPDCH<sub>n</sub>, for the highest reported SAR configuration in 12.2 kbps RMC.

## 7.4.3 SAR Measurements with Rel 5 HSDPA

The 3G SAR test reduction procedure is applied to HSDPA body configurations with 12.2 kbps RMC as the primary mode. Otherwise, Body SAR for HSDPA is measured using an FRC with H-Set 1 in Sub-test 1 and a 12.2 kbps RMC configured in Test Loop Mode 1, for the highest reported SAR configuration in 12.2 kbps RMC without HSDPA. Handsets with both HSDPA and HSUPA are tested according to Release 6 HSPA test procedures.

## 7.4.4 SAR Measurements with Rel 6 HSUPA

The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) body configurations with 12.2 kbps RMC as the primary mode. Otherwise, Body SAR for HSPA is measured with E-DCH Sub-test 5, using H-Set 1 and QPSK for FRC and a 12.2 kbps RMC configured in Test Loop Mode 1 and power control algorithm 2, according to the highest reported body SAR configuration in 12.2 kbps RMC without HSPA.

When VOIP applies to head exposure, the 3G SAR test reduction procedure is applied with 12.2 kbps RMC as the primary mode; otherwise, the same HSPA configuration used for body SAR measurements are applied to head exposure testing.

## 7.4.5 SAR Measurement Conditions for DC-HSDPA

SAR is required for Rel. 8 DC-HSDPA when SAR is required for Rel. 5 HSDPA; otherwise, the 3G SAR test reduction procedure is applied to DC-HSDPA with 12.2 kbps RMC as the primary mode. Power is measured for DC-HSDPA according to the H-Set 12, FRC configuration in Table C.8.1.12 of 3GPP TS 34.121-1 to determine SAR test reduction. A primary and a secondary serving HS-DSCH Cell are required to perform the power measurement and for the results to be acceptable.

## 7.5 SAR Measurement Conditions for LTE

LTE modes are tested according to FCC KDB 941225 D05v02r04 publication. Establishing connections with base station simulators ensure a consistent means for testing SAR and are recommended for evaluating SAR [4]. The R&S CMW500 or Anritsu MT8820C simulators are used for LTE output power measurements and SAR testing. Closed loop power control was used so the UE transmits with maximum output power during SAR testing. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI).

### 7.5.1 Spectrum Plots for RB Configurations

A properly configured base station simulator was used for SAR tests and power measurements. Therefore, spectrum plots for RB configurations were not required to be included in this report.

|                                         |                                                                                                           |                            |                                 |
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## 7.5.2 MPR

MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36.101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.

## 7.5.3 A-MPR

A-MPR (Additional MPR) has been disabled for all SAR tests by setting NS=01 on the base station simulator.

## 7.5.4 Required RB Size and RB Offsets for SAR Testing

According to FCC KDB 941225 D05v02r04:

- a. Per Section 5.2.1, SAR is required for QPSK 1 RB Allocation for the largest bandwidth
  - i. The required channel and offset combination with the highest maximum output power is required for SAR.
  - ii. When the reported SAR is  $\leq 0.8$  W/kg, testing of the remaining RB offset configurations and required test channels is not required. Otherwise, SAR is required for the remaining required test channels using the RB offset configuration with highest output power for that channel.
  - iii. When the reported SAR for a required test channel is  $> 1.45$  W/kg, SAR is required for all RB offset configurations for that channel.
- b. Per Section 5.2.2, SAR is required for 50% RB allocation using the largest bandwidth following the same procedures outlined in Section 5.2.1.
- c. Per Section 5.2.3, QPSK SAR is not required for the 100% allocation when the highest maximum output power for the 100% allocation is less than the highest maximum output power of the 1 RB and 50% RB allocations and the reported SAR for the 1 RB and 50% RB allocations is  $< 0.8$  W/kg.
- d. Per Section 5.2.4 and 5.3, SAR tests for higher order modulations and lower bandwidths configurations are not required when the conducted power of the required test configurations determined by Sections 5.2.1 through 5.2.3 is less than or equal to  $\frac{1}{2}$  dB higher than the equivalent configuration using QPSK modulation and when the QPSK SAR for those configurations is  $< 1.45$  W/kg.

According to FCC KDB 447498 D01v06, when the reported (scaled) SAR for LTE Band 41 is  $\leq 0.6$  W/kg, testing of the remaining RB offset configurations and required test channels is not required. Otherwise, SAR is required for the remaining required test channels using the RB offset configuration with the highest output power for that channel.

## 7.5.5 TDD

LTE TDD testing is performed using the SAR test guidance provided in FCC KDB 941225 D05v02r04. TDD is tested at the highest duty factor using UL-DL configuration 0 with special subframe configuration 6 and applying the FDD LTE procedures in KDB 941225 D05v02r04. SAR testing is performed using the extended cyclic prefix listed in 3GPP TS 36.211 Section 4.

## 7.5.6 Downlink Only Carrier Aggregation

Conducted power measurements with LTE Carrier Aggregation (CA) (downlink only) active are made in accordance to KDB Publication 941225 D05Av01r02. The RRC connection is only handled by one cell, the primary component carrier (PCC) for downlink and uplink communications. After making a data connection to the PCC, the UE device adds secondary component carrier(s) (SCC) on the downlink only. All uplink communications and acknowledgements remain identical to specifications when downlink carrier aggregation is inactive on the PCC. Additional conducted output powers are measured with the

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downlink carrier aggregation active for the configuration with highest measured maximum conducted power with downlink carrier aggregation inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band. Per FCC KDB Publication 941225 D05Av01r02, no SAR measurements are required for downlink only carrier aggregation configurations when the average output power with downlink only carrier aggregation active is not more than 0.25 dB higher than the average output power with downlink only carrier aggregation inactive.

## 7.6 SAR Testing with 802.11 Transmitters

The normal network operating configurations of 802.11 transmitters are not suitable for SAR measurements. Unpredictable fluctuations in network traffic and antenna diversity conditions can introduce undesirable variations in SAR results. The SAR for these devices should be measured using chipset based test mode software to ensure the results are consistent and reliable. See KDB Publication 248227 D01v02r02 for more details.

### 7.6.1 General Device Setup

Chipset based test mode software is hardware dependent and generally varies among manufacturers. The device operating parameters established in test mode for SAR measurements must be identical to those programmed in production units, including output power levels, amplifier gain settings and other RF performance tuning parameters.

A periodic duty factor is required for current generation SAR systems to measure SAR. When 802.11 frame gaps are accounted for in the transmission, a maximum transmission duty factor of 92 - 96% is typically achievable in most test mode configurations. A minimum transmission duty factor of 85% is required to avoid certain hardware and device implementation issues related to wide range SAR scaling. The reported SAR is scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

### 7.6.2 U-NII-1 and U-NII-2A

For devices that operate in both U-NII-1 and U-NII-2A bands, when the same maximum output power is specified for both bands, SAR measurement using OFDM SAR test procedures is not required for U-NII-1 unless the highest reported SAR for U-NII-2A is  $> 1.2$  W/kg. When different maximum output powers are specified for the bands, SAR measurement for the U-NII band with the lower maximum output power is not required unless the highest reported SAR for the U-NII band with the higher maximum output power, adjusted by the ratio of lower to higher specified maximum output power for the two bands, is  $> 1.2$  W/kg.

### 7.6.3 U-NII-2C and U-NII-3

The frequency range covered by U-NII-2C and U-NII-3 is 380 MHz (5.47 – 5.85 GHz), which requires a minimum of at least two SAR probe calibration frequency points to support SAR measurements. When Terminal Doppler Weather Radar (TDWR) restriction applies, the channels at 5.60 – 5.65 GHz in U-NII-2C band must be disabled with acceptable mechanisms and documented in the equipment certification. Unless band gap channels are permanently disabled, SAR must be considered for these channels. Each band is tested independently according to the normally required OFDM SAR measurement and probe calibration frequency points requirements.

### 7.6.4 2.4 GHz SAR Test Requirements

SAR is measured for 2.4 GHz 802.11b DSSS using either the fixed test position or, when applicable, the initial test position procedure. SAR test reduction is determined according to the following:

- 1) When the reported SAR of the highest measured maximum output power channel for the exposure configuration is  $\leq 0.8$  W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.

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- 2) When the reported SAR is  $> 0.8$  W/kg, SAR is required for that position using the next highest measured output power channel. When any reported SAR is  $> 1.2$  W/kg, SAR is required for the third channel; i.e., all channels require testing.

2.4 GHz 802.11 g/n/ax OFDM are additionally evaluated for SAR if the highest reported SAR for 802.11b, adjusted by the ratio of the OFDM to DSSS specified maximum output power, is  $> 1.2$  W/kg. When SAR is required for OFDM modes in 2.4 GHz band, the Initial Test Configuration Procedures should be followed.

### 7.6.5 OFDM Transmission Mode and SAR Test Channel Selection

When the same maximum output power was specified for multiple OFDM transmission mode configurations in a frequency band or aggregated band, SAR is measured using the configuration with the largest channel bandwidth, lowest order modulation and lowest data rate. When the maximum output power of a channel is the same for equivalent OFDM configurations; for example, 802.11a, 802.11n and 802.11ac or 802.11g and 802.11n with the same channel bandwidth, modulation and data rate etc., the lower order 802.11 mode i.e., 802.11a, then 802.11n and 802.11ac or 802.11g then 802.11n, is used for SAR measurement. Per April 2019 TCB Workshop guidance, 802.11ax was considered the highest order 802.11 mode. When the maximum output power are the same for multiple test channels, either according to the default or additional power measurement requirements, SAR is measured using the channel closest to the middle of the frequency band or aggregated band. When there are multiple channels with the same maximum output power, SAR is measured using the higher number channel.

### 7.6.6 Initial Test Configuration Procedure

For OFDM, an initial test configuration is determined for each frequency band and aggregated band, according to the transmission mode with the highest maximum output power specified for SAR measurements. When the same maximum output power is specified for multiple OFDM transmission mode configurations in a frequency band or aggregated band, SAR is measured using the configuration(s) with the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order IEEE 802.11 mode. The channel of the transmission mode with the highest average RF output conducted power will be the initial test configuration.

When the reported SAR is  $\leq 0.8$  W/kg, no additional measurements on other test channels are required. Otherwise, SAR is evaluated using the subsequent highest average RF output channel until the reported SAR result is  $\leq 1.2$  W/kg or all channels are measured. When there are multiple untested channels having the same subsequent highest average RF output power, the channel with higher frequency from the lowest 802.11 mode is considered for SAR measurements (See Section 7.6.5).

### 7.6.7 Subsequent Test Configuration Procedures

For OFDM configurations in each frequency band and aggregated band, SAR is evaluated for initial test configuration using the fixed test position or the initial test position procedure. When the highest reported SAR (for the initial test configuration), adjusted by the ratio of the specified maximum output power of the subsequent test configuration to initial test configuration, is  $\leq 1.2$  W/kg, no additional SAR tests for the subsequent test configurations are required.

|                                         |                                                                                                                  |                            |                                 |
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### 7.6.8 MIMO SAR considerations

Per KDB Publication 248227 D01v02r02, the simultaneous SAR provisions in KDB Publication 447498 D01v06 should be applied to determine simultaneous transmission SAR test exclusion for WIFI MIMO. If the sum of 1g single transmission chain SAR measurements is  $<1.6$  W/kg, no additional SAR measurements for MIMO are required. Alternatively, SAR for MIMO can be measured with all antennas transmitting simultaneously at the specified maximum output power of MIMO operation.

|                                         |                                                                                                           |                            |                                 |
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## 8 RF CONDUCTED POWERS

### 8.1 GSM Conducted Powers

Table 8-1  
Conducted Power Ant 1

| Maximum Burst-Averaged Output Power |         |                         |                         |                         |                         |
|-------------------------------------|---------|-------------------------|-------------------------|-------------------------|-------------------------|
| Band                                | Channel | GPRS/EDGE Data (GMSK)   |                         | EDGE Data (8-PSK)       |                         |
|                                     |         | GPRS [dBm]<br>1 Tx Slot | GPRS [dBm]<br>2 Tx Slot | EDGE [dBm]<br>1 Tx Slot | EDGE [dBm]<br>2 Tx Slot |
| GSM 850                             | 128     | 29.61                   | 26.64                   | 25.63                   | 24.61                   |
|                                     | 190     | 29.50                   | 26.57                   | 25.50                   | 24.49                   |
|                                     | 251     | 29.54                   | 26.58                   | 25.56                   | 24.55                   |

| Calculated Maximum Frame-Averaged Output Power |         |                         |                         |                         |                         |
|------------------------------------------------|---------|-------------------------|-------------------------|-------------------------|-------------------------|
| Band                                           | Channel | GPRS/EDGE Data (GMSK)   |                         | EDGE Data (8-PSK)       |                         |
|                                                |         | GPRS [dBm]<br>1 Tx Slot | GPRS [dBm]<br>2 Tx Slot | EDGE [dBm]<br>1 Tx Slot | EDGE [dBm]<br>2 Tx Slot |
| GSM 850                                        | 128     | 20.58                   | 20.62                   | 16.60                   | 18.59                   |
|                                                | 190     | 20.47                   | 20.55                   | 16.47                   | 18.47                   |
|                                                | 251     | 20.51                   | 20.56                   | 16.53                   | 18.53                   |

|         |                     |       |       |       |       |
|---------|---------------------|-------|-------|-------|-------|
| GSM 850 | Frame Avg. Targets: | 19.92 | 19.93 | 15.97 | 17.98 |
|---------|---------------------|-------|-------|-------|-------|

|                                         |                                                                                                                  |                            |                                 |
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**Table 8-2  
Conducted Power Ant 3**

| Maximum Burst-Averaged Output Power |         |                            |                            |                            |                            |
|-------------------------------------|---------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                     |         | GPRS/EDGE Data<br>(GMSK)   |                            | EDGE Data<br>(8-PSK)       |                            |
| Band                                | Channel | GPRS<br>[dBm]<br>1 Tx Slot | GPRS<br>[dBm]<br>2 Tx Slot | EDGE<br>[dBm]<br>1 Tx Slot | EDGE<br>[dBm]<br>2 Tx Slot |
| <b>GSM 850</b>                      | 128     | 29.31                      | 26.85                      | 27.56                      | 26.69                      |
|                                     | 190     | 29.27                      | 26.77                      | 27.49                      | 26.61                      |
|                                     | 251     | 29.26                      | 26.67                      | 27.40                      | 26.51                      |

| Calculated Maximum Frame-Averaged Output Power |         |                            |                            |                            |                            |
|------------------------------------------------|---------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                                |         | GPRS/EDGE Data<br>(GMSK)   |                            | EDGE Data<br>(8-PSK)       |                            |
| Band                                           | Channel | GPRS<br>[dBm]<br>1 Tx Slot | GPRS<br>[dBm]<br>2 Tx Slot | EDGE<br>[dBm]<br>1 Tx Slot | EDGE<br>[dBm]<br>2 Tx Slot |
| <b>GSM 850</b>                                 | 128     | 20.28                      | 20.83                      | 18.53                      | 20.67                      |
|                                                | 190     | 20.24                      | 20.75                      | 18.46                      | 20.59                      |
|                                                | 251     | 20.23                      | 20.65                      | 18.37                      | 20.49                      |

|                |                                |       |       |       |       |
|----------------|--------------------------------|-------|-------|-------|-------|
| <b>GSM 850</b> | <b>Frame<br/>Avg. Targets:</b> | 19.72 | 21.23 | 17.97 | 19.98 |
|----------------|--------------------------------|-------|-------|-------|-------|

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 42 of 284                         |

**Table 8-3**  
**Conducted Power Ant 2a**

| Maximum Burst-Averaged Output Power |         |                            |                            |                            |                            |
|-------------------------------------|---------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                     |         | GPRS/EDGE Data<br>(GMSK)   |                            | EDGE Data<br>(8-PSK)       |                            |
| Band                                | Channel | GPRS<br>[dBm]<br>1 Tx Slot | GPRS<br>[dBm]<br>2 Tx Slot | EDGE<br>[dBm]<br>1 Tx Slot | EDGE<br>[dBm]<br>2 Tx Slot |
| <b>GSM 1900</b>                     | 512     | 23.87                      | 20.70                      | 23.15                      | 20.71                      |
|                                     | 661     | 23.84                      | 20.68                      | 23.18                      | 20.73                      |
|                                     | 810     | 23.97                      | 20.90                      | 23.25                      | 20.95                      |

| Calculated Maximum Frame-Averaged Output Power |         |                            |                            |                            |                            |
|------------------------------------------------|---------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                                |         | GPRS/EDGE Data<br>(GMSK)   |                            | EDGE Data<br>(8-PSK)       |                            |
| Band                                           | Channel | GPRS<br>[dBm]<br>1 Tx Slot | GPRS<br>[dBm]<br>2 Tx Slot | EDGE<br>[dBm]<br>1 Tx Slot | EDGE<br>[dBm]<br>2 Tx Slot |
| <b>GSM 1900</b>                                | 512     | 14.84                      | 14.68                      | 14.12                      | 14.69                      |
|                                                | 661     | 14.81                      | 14.66                      | 14.15                      | 14.71                      |
|                                                | 810     | 14.94                      | 14.88                      | 14.22                      | 14.93                      |

|                 |                               |       |       |       |       |
|-----------------|-------------------------------|-------|-------|-------|-------|
| <b>GSM 1900</b> | <b>Frame<br/>Avg.Targets:</b> | 14.22 | 14.23 | 13.47 | 14.23 |
|-----------------|-------------------------------|-------|-------|-------|-------|

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 43 of 284                         |

**Table 8-4**  
**Conducted Power Ant 2b**

| Maximum Burst-Averaged Output Power |         |                            |                            |                            |                            |
|-------------------------------------|---------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                     |         | GPRS/EDGE Data<br>(GMSK)   |                            | EDGE Data<br>(8-PSK)       |                            |
| Band                                | Channel | GPRS<br>[dBm]<br>1 Tx Slot | GPRS<br>[dBm]<br>2 Tx Slot | EDGE<br>[dBm]<br>1 Tx Slot | EDGE<br>[dBm]<br>2 Tx Slot |
| <b>GSM 1900</b>                     | 512     | 22.71                      | 19.78                      | 22.74                      | 19.77                      |
|                                     | 661     | 22.73                      | 19.84                      | 22.80                      | 19.80                      |
|                                     | 810     | 22.96                      | 19.90                      | 22.97                      | 20.00                      |

| Calculated Maximum Frame-Averaged Output Power |         |                            |                            |                            |                            |
|------------------------------------------------|---------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                                |         | GPRS/EDGE Data<br>(GMSK)   |                            | EDGE Data<br>(8-PSK)       |                            |
| Band                                           | Channel | GPRS<br>[dBm]<br>1 Tx Slot | GPRS<br>[dBm]<br>2 Tx Slot | EDGE<br>[dBm]<br>1 Tx Slot | EDGE<br>[dBm]<br>2 Tx Slot |
| <b>GSM 1900</b>                                | 512     | 13.68                      | 13.76                      | 13.71                      | 13.75                      |
|                                                | 661     | 13.70                      | 13.82                      | 13.77                      | 13.78                      |
|                                                | 810     | 13.93                      | 13.88                      | 13.94                      | 13.98                      |

|                 |                               |       |       |       |       |
|-----------------|-------------------------------|-------|-------|-------|-------|
| <b>GSM 1900</b> | <b>Frame<br/>Avg.Targets:</b> | 13.22 | 13.23 | 13.22 | 13.23 |
|-----------------|-------------------------------|-------|-------|-------|-------|

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 44 of 284                  |

**Table 8-5**  
**Conducted Power Ant 4a**

| Maximum Burst-Averaged Output Power |         |                            |                            |                            |                            |
|-------------------------------------|---------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                     |         | GPRS/EDGE Data<br>(GMSK)   |                            | EDGE Data<br>(8-PSK)       |                            |
| Band                                | Channel | GPRS<br>[dBm]<br>1 Tx Slot | GPRS<br>[dBm]<br>2 Tx Slot | EDGE<br>[dBm]<br>1 Tx Slot | EDGE<br>[dBm]<br>2 Tx Slot |
| <b>GSM 1900</b>                     | 512     | 23.15                      | 20.07                      | 23.23                      | 20.15                      |
|                                     | 661     | 23.02                      | 20.11                      | 23.10                      | 19.94                      |
|                                     | 810     | 23.26                      | 20.30                      | 23.27                      | 20.15                      |

| Calculated Maximum Frame-Averaged Output Power |         |                            |                            |                            |                            |
|------------------------------------------------|---------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                                |         | GPRS/EDGE Data<br>(GMSK)   |                            | EDGE Data<br>(8-PSK)       |                            |
| Band                                           | Channel | GPRS<br>[dBm]<br>1 Tx Slot | GPRS<br>[dBm]<br>2 Tx Slot | EDGE<br>[dBm]<br>1 Tx Slot | EDGE<br>[dBm]<br>2 Tx Slot |
| <b>GSM 1900</b>                                | 512     | 14.12                      | 14.05                      | 14.20                      | 14.13                      |
|                                                | 661     | 13.99                      | 14.09                      | 14.07                      | 13.92                      |
|                                                | 810     | 14.23                      | 14.28                      | 14.24                      | 14.13                      |

|                 |                                |       |       |       |       |
|-----------------|--------------------------------|-------|-------|-------|-------|
| <b>GSM 1900</b> | <b>Frame<br/>Avg. Targets:</b> | 13.52 | 13.53 | 13.52 | 13.53 |
|-----------------|--------------------------------|-------|-------|-------|-------|

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 45 of 284                         |

**Table 8-6**  
**Conducted Power Ant 4b**

| Maximum Burst-Averaged Output Power |         |                            |                            |                            |                            |
|-------------------------------------|---------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                     |         | GPRS/EDGE Data<br>(GMSK)   |                            | EDGE Data<br>(8-PSK)       |                            |
| Band                                | Channel | GPRS<br>[dBm]<br>1 Tx Slot | GPRS<br>[dBm]<br>2 Tx Slot | EDGE<br>[dBm]<br>1 Tx Slot | EDGE<br>[dBm]<br>2 Tx Slot |
| <b>GSM 1900</b>                     | 512     | 22.42                      | 19.46                      | 22.49                      | 19.46                      |
|                                     | 661     | 22.26                      | 19.11                      | 22.22                      | 19.11                      |
|                                     | 810     | 22.17                      | 19.07                      | 22.17                      | 19.03                      |

| Calculated Maximum Frame-Averaged Output Power |         |                            |                            |                            |                            |
|------------------------------------------------|---------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                                |         | GPRS/EDGE Data<br>(GMSK)   |                            | EDGE Data<br>(8-PSK)       |                            |
| Band                                           | Channel | GPRS<br>[dBm]<br>1 Tx Slot | GPRS<br>[dBm]<br>2 Tx Slot | EDGE<br>[dBm]<br>1 Tx Slot | EDGE<br>[dBm]<br>2 Tx Slot |
| <b>GSM 1900</b>                                | 512     | 13.39                      | 13.44                      | 13.46                      | 13.44                      |
|                                                | 661     | 13.23                      | 13.09                      | 13.19                      | 13.09                      |
|                                                | 810     | 13.14                      | 13.05                      | 13.14                      | 13.01                      |

|                 |                                |       |       |       |       |
|-----------------|--------------------------------|-------|-------|-------|-------|
| <b>GSM 1900</b> | <b>Frame<br/>Avg. Targets:</b> | 12.72 | 12.73 | 12.72 | 12.73 |
|-----------------|--------------------------------|-------|-------|-------|-------|

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 46 of 284                         |

Note:

1. Both burst-averaged and calculated frame-averaged powers are included. Frame-averaged power was calculated from the measured burst-averaged power by converting the slot powers into linear units and calculating the energy over 8 timeslots.
2. GPRS/EDGE (GMSK) output powers were measured with coding scheme setting of 1 (CS1) on the base station simulator. CS1 was configured to measure GPRS output power measurements and SAR to ensure GMSK modulation in the signal. Our Investigation has shown that CS1 - CS4 settings do not have any impact on the output levels or modulation in the GPRS modes.
3. EDGE (8-PSK) output powers were measured with MCS7 on the base station simulator. MCS7 coding scheme was used to measure the output powers for EDGE since investigation has shown that choosing MCS7 coding scheme will ensure 8-PSK modulation. It has been shown that MCS levels that produce 8-PSK modulation do not have an impact on output power.

**GSM Class: C**  
**GPRS Multislot class: 10 (Max 2 Tx uplink slots)**  
**EDGE Multislot class: 10 (Max 2 Tx uplink slots)**  
**DTM Multislot Class: N/A**



**Figure 8-1**  
**Power Measurement Setup**

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 47 of 284                  |

## 8.2 UMTS Conducted Powers

**Table 8-7**  
**Conducted Power Ant 1**

| 3GPP Release Version | Mode     | 3GPP 34.121 Subtest | Cellular Band [dBm] |       |       | 3GPP MPR [dB] |
|----------------------|----------|---------------------|---------------------|-------|-------|---------------|
|                      |          |                     | 4132                | 4183  | 4233  |               |
| 99                   | WCDMA    | 12.2 kbps RMC       | 20.49               | 20.68 | 20.55 | -             |
| 6                    | HSDPA    | Subtest 1           | 20.39               | 20.66 | 20.54 | 0             |
| 6                    |          | Subtest 2           | 20.44               | 20.70 | 20.55 | 0             |
| 6                    |          | Subtest 3           | 20.50               | 20.68 | 20.58 | 0.5           |
| 6                    |          | Subtest 4           | 20.47               | 20.66 | 20.59 | 0.5           |
| 6                    | HSUPA    | Subtest 1           | 20.42               | 20.67 | 20.53 | 0             |
| 6                    |          | Subtest 2           | 20.47               | 20.69 | 20.55 | 2             |
| 6                    |          | Subtest 3           | 20.49               | 20.70 | 20.57 | 1             |
| 6                    |          | Subtest 4           | 20.51               | 20.70 | 20.60 | 2             |
| 6                    |          | Subtest 5           | 20.45               | 20.68 | 20.55 | 0             |
| 8                    | DC-HSDPA | Subtest 1           | 20.47               | 20.68 | 20.60 | 0             |
| 8                    |          | Subtest 2           | 20.45               | 20.69 | 20.59 | 0             |
| 8                    |          | Subtest 3           | 20.46               | 20.70 | 20.60 | 0.5           |
| 8                    |          | Subtest 4           | 20.43               | 20.70 | 20.61 | 0.5           |

**Table 8-8**  
**Conducted Power Ant 3**

| 3GPP Release Version | Mode     | 3GPP 34.121 Subtest | Cellular Band [dBm] |       |       | 3GPP MPR [dB] |
|----------------------|----------|---------------------|---------------------|-------|-------|---------------|
|                      |          |                     | 4132                | 4183  | 4233  |               |
| 99                   | WCDMA    | 12.2 kbps RMC       | 20.85               | 20.80 | 20.81 | -             |
| 6                    | HSDPA    | Subtest 1           | 20.88               | 20.84 | 20.81 | 0             |
| 6                    |          | Subtest 2           | 20.84               | 20.81 | 20.80 | 0             |
| 6                    |          | Subtest 3           | 20.89               | 20.80 | 20.83 | 0.5           |
| 6                    |          | Subtest 4           | 20.93               | 20.81 | 20.82 | 0.5           |
| 6                    | HSUPA    | Subtest 1           | 20.85               | 20.81 | 20.86 | 0             |
| 6                    |          | Subtest 2           | 20.90               | 20.86 | 20.85 | 2             |
| 6                    |          | Subtest 3           | 20.90               | 20.80 | 20.89 | 1             |
| 6                    |          | Subtest 4           | 20.92               | 20.88 | 20.88 | 2             |
| 6                    |          | Subtest 5           | 20.84               | 20.80 | 20.80 | 0             |
| 8                    | DC-HSDPA | Subtest 1           | 20.87               | 20.83 | 20.81 | 0             |
| 8                    |          | Subtest 2           | 20.85               | 20.81 | 20.80 | 0             |
| 8                    |          | Subtest 3           | 20.85               | 20.80 | 20.83 | 0.5           |
| 8                    |          | Subtest 4           | 20.82               | 20.81 | 20.81 | 0.5           |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 48 of 284                  |

**Table 8-9**  
**Conducted Power Ant 2a**

| 3GPP Release Version | Mode     | 3GPP 34.121 Subtest | AWS Band [dBm] |       |       | PCS Band [dBm] |       |       | 3GPP MPR [dB] |
|----------------------|----------|---------------------|----------------|-------|-------|----------------|-------|-------|---------------|
|                      |          |                     | 1312           | 1412  | 1513  | 9262           | 9400  | 9538  |               |
| 99                   | WCDMA    | 12.2 kbps RMC       | 15.62          | 15.41 | 15.58 | 14.63          | 14.62 | 14.93 | -             |
| 6                    | HSDPA    | Subtest 1           | 15.62          | 15.33 | 15.37 | 14.09          | 14.30 | 14.73 | 0             |
| 6                    |          | Subtest 2           | 15.70          | 15.35 | 15.41 | 14.26          | 14.34 | 14.79 | 0             |
| 6                    |          | Subtest 3           | 15.73          | 15.37 | 15.47 | 14.30          | 14.38 | 14.80 | 0.5           |
| 6                    |          | Subtest 4           | 15.75          | 15.39 | 15.48 | 14.30          | 14.37 | 14.76 | 0.5           |
| 6                    | HSUPA    | Subtest 1           | 15.61          | 15.25 | 15.34 | 14.27          | 14.29 | 14.75 | 0             |
| 6                    |          | Subtest 2           | 15.60          | 15.29 | 15.39 | 14.35          | 14.42 | 14.76 | 2             |
| 6                    |          | Subtest 3           | 15.61          | 15.28 | 15.39 | 14.26          | 14.38 | 14.76 | 1             |
| 6                    |          | Subtest 4           | 15.62          | 15.28 | 15.42 | 14.37          | 14.42 | 14.83 | 2             |
| 6                    |          | Subtest 5           | 15.63          | 15.24 | 15.37 | 14.19          | 14.23 | 14.70 | 0             |
| 8                    | DC-HSDPA | Subtest 1           | 15.65          | 15.25 | 15.37 | 14.16          | 14.30 | 14.74 | 0             |
| 8                    |          | Subtest 2           | 15.67          | 15.28 | 15.41 | 14.19          | 14.26 | 14.79 | 0             |
| 8                    |          | Subtest 3           | 15.73          | 15.32 | 15.45 | 14.28          | 14.29 | 14.80 | 0.5           |
| 8                    |          | Subtest 4           | 15.70          | 15.33 | 15.40 | 14.25          | 14.31 | 14.76 | 0.5           |

**Table 8-10**  
**Conducted Power Ant 2b**

| 3GPP Release Version | Mode     | 3GPP 34.121 Subtest | AWS Band [dBm] |       |       | PCS Band [dBm] |       |       | 3GPP MPR [dB] |
|----------------------|----------|---------------------|----------------|-------|-------|----------------|-------|-------|---------------|
|                      |          |                     | 1312           | 1412  | 1513  | 9262           | 9400  | 9538  |               |
| 99                   | WCDMA    | 12.2 kbps RMC       | 14.90          | 14.94 | 14.64 | 13.65          | 13.80 | 13.90 | -             |
| 6                    | HSDPA    | Subtest 1           | 15.04          | 14.87 | 14.71 | 13.36          | 13.57 | 13.86 | 0             |
| 6                    |          | Subtest 2           | 15.03          | 14.80 | 14.70 | 13.47          | 13.63 | 13.93 | 0             |
| 6                    |          | Subtest 3           | 15.07          | 14.88 | 14.71 | 13.51          | 13.66 | 13.90 | 0.5           |
| 6                    |          | Subtest 4           | 15.09          | 14.89 | 14.72 | 13.54          | 13.67 | 13.94 | 0.5           |
| 6                    | HSUPA    | Subtest 1           | 15.06          | 14.83 | 14.71 | 13.42          | 13.58 | 13.87 | 0             |
| 6                    |          | Subtest 2           | 15.04          | 14.85 | 14.77 | 13.57          | 13.71 | 13.93 | 2             |
| 6                    |          | Subtest 3           | 15.09          | 14.88 | 14.76 | 13.48          | 13.65 | 13.92 | 1             |
| 6                    |          | Subtest 4           | 15.08          | 14.90 | 14.81 | 13.52          | 13.70 | 13.99 | 2             |
| 6                    |          | Subtest 5           | 14.97          | 14.75 | 14.62 | 13.49          | 13.56 | 13.84 | 0             |
| 8                    | DC-HSDPA | Subtest 1           | 15.06          | 14.86 | 14.72 | 13.74          | 13.59 | 13.85 | 0             |
| 8                    |          | Subtest 2           | 15.03          | 14.80 | 14.65 | 13.44          | 13.62 | 13.89 | 0             |
| 8                    |          | Subtest 3           | 15.09          | 14.86 | 14.69 | 13.48          | 13.66 | 13.93 | 0.5           |
| 8                    |          | Subtest 4           | 15.07          | 14.81 | 14.73 | 13.77          | 13.59 | 13.43 | 0.5           |

**Table 8-11**  
**Conducted Power Ant 4a**

| 3GPP Release Version | Mode     | 3GPP 34.121 Subtest | AWS Band [dBm] |       |       | PCS Band [dBm] |       |       | 3GPP MPR [dB] |
|----------------------|----------|---------------------|----------------|-------|-------|----------------|-------|-------|---------------|
|                      |          |                     | 1312           | 1412  | 1513  | 9262           | 9400  | 9538  |               |
| 99                   | WCDMA    | 12.2 kbps RMC       | 14.58          | 14.69 | 14.53 | 14.67          | 14.63 | 14.48 | -             |
| 6                    | HSDPA    | Subtest 1           | 14.40          | 14.63 | 14.38 | 14.43          | 14.40 | 14.65 | 0             |
| 6                    |          | Subtest 2           | 14.41          | 14.64 | 14.39 | 14.57          | 14.45 | 14.70 | 0             |
| 6                    |          | Subtest 3           | 14.41          | 14.71 | 14.43 | 14.61          | 14.52 | 14.71 | 0.5           |
| 6                    |          | Subtest 4           | 14.44          | 14.74 | 14.42 | 14.62          | 14.48 | 14.76 | 0.5           |
| 6                    | HSUPA    | Subtest 1           | 14.32          | 14.58 | 14.34 | 14.49          | 14.39 | 14.65 | 0             |
| 6                    |          | Subtest 2           | 14.31          | 14.52 | 14.31 | 14.59          | 14.50 | 14.73 | 2             |
| 6                    |          | Subtest 3           | 14.34          | 14.57 | 14.33 | 14.58          | 14.47 | 14.66 | 1             |
| 6                    |          | Subtest 4           | 14.42          | 14.63 | 14.39 | 14.66          | 14.55 | 14.78 | 2             |
| 6                    |          | Subtest 5           | 14.38          | 14.55 | 14.33 | 14.56          | 14.42 | 14.68 | 0             |
| 8                    | DC-HSDPA | Subtest 1           | 14.41          | 14.64 | 14.39 | 14.56          | 14.38 | 14.65 | 0             |
| 8                    |          | Subtest 2           | 14.40          | 14.63 | 14.43 | 14.61          | 14.47 | 14.69 | 0             |
| 8                    |          | Subtest 3           | 14.41          | 14.66 | 14.43 | 14.58          | 14.45 | 14.74 | 0.5           |
| 8                    |          | Subtest 4           | 14.43          | 14.71 | 14.41 | 14.58          | 14.43 | 14.72 | 0.5           |

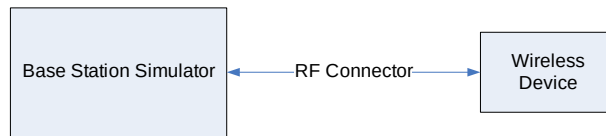
|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 49 of 284                  |

**Table 8-12**  
**Conducted Power Ant 4b**

| 3GPP Release Version | Mode     | 3GPP 34.121 Subtest | AWS Band [dBm] |       |       | PCS Band [dBm] |       |       | 3GPP MPR [dB] |
|----------------------|----------|---------------------|----------------|-------|-------|----------------|-------|-------|---------------|
|                      |          |                     | 1312           | 1412  | 1513  | 9262           | 9400  | 9538  |               |
| 99                   | WCDMA    | 12.2 kbps RMC       | 13.30          | 13.31 | 13.27 | 13.26          | 13.19 | 13.11 | -             |
| 6                    | HSDPA    | Subtest 1           | 13.34          | 13.21 | 13.48 | 13.39          | 13.26 | 13.34 | 0             |
| 6                    |          | Subtest 2           | 13.37          | 13.24 | 13.49 | 13.40          | 13.39 | 13.36 | 0             |
| 6                    |          | Subtest 3           | 13.43          | 13.33 | 13.50 | 13.50          | 13.26 | 13.31 | 0.5           |
| 6                    |          | Subtest 4           | 13.32          | 13.27 | 13.49 | 13.43          | 13.25 | 13.35 | 0.5           |
| 6                    | HSUPA    | Subtest 1           | 13.08          | 13.00 | 13.19 | 13.13          | 13.00 | 13.08 | 0             |
| 6                    |          | Subtest 2           | 13.20          | 13.13 | 13.43 | 13.40          | 13.28 | 13.31 | 2             |
| 6                    |          | Subtest 3           | 13.11          | 13.03 | 13.31 | 13.27          | 13.08 | 13.18 | 1             |
| 6                    |          | Subtest 4           | 13.37          | 13.27 | 13.50 | 13.49          | 13.31 | 13.39 | 2             |
| 6                    |          | Subtest 5           | 13.25          | 13.15 | 13.39 | 13.37          | 13.22 | 13.25 | 0             |
| 8                    | DC-HSDPA | Subtest 1           | 13.40          | 13.32 | 13.50 | 13.28          | 13.18 | 13.28 | 0             |
| 8                    |          | Subtest 2           | 13.31          | 13.25 | 13.48 | 13.41          | 13.35 | 13.50 | 0             |
| 8                    |          | Subtest 3           | 13.33          | 13.28 | 13.50 | 13.43          | 13.30 | 13.32 | 0.5           |
| 8                    |          | Subtest 4           | 13.36          | 13.30 | 13.49 | 13.39          | 13.22 | 13.33 | 0.5           |

DC-HSDPA considerations

- 3GPP Specification 34.121-1 Release 8 Ver 8.10.0 was used for DC-HSDPA guidance
- H-Set 12 (QPSK) was confirmed to be used during DC-HSDPA measurements
- The DUT supports UE category 24 for HSDPA



**Figure 8-2**  
**Power Measurement Setup**

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 50 of 284                  |

## 8.3 LTE Conducted Powers

### 8.3.1 LTE Band 12

**Table 8-13**  
**LTE Band 12 Conducted Powers Ant 1 - 10 MHz Bandwidth**

| LTE Band 12<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 23095<br>(707.5 MHz)     |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 21.05                    | 0                            | 0        |
|                                 | 1       | 25        | 21.00                    |                              | 0        |
|                                 | 1       | 49        | 21.04                    |                              | 0        |
|                                 | 25      | 0         | 20.99                    |                              | 0        |
|                                 | 25      | 12        | 21.07                    | 0-1                          | 0        |
|                                 | 25      | 25        | 21.15                    |                              | 0        |
|                                 | 50      | 0         | 21.02                    |                              | 0        |
|                                 | 50      | 0         | 21.00                    |                              | 0        |
| 16QAM                           | 1       | 0         | 21.00                    | 0-1                          | 0        |
|                                 | 1       | 25        | 21.05                    |                              | 0        |
|                                 | 1       | 49        | 21.10                    |                              | 0        |
|                                 | 25      | 0         | 20.52                    |                              | 0        |
|                                 | 25      | 12        | 20.64                    | 0-2                          | 0        |
|                                 | 25      | 25        | 20.69                    |                              | 0        |
|                                 | 50      | 0         | 20.65                    |                              | 0        |
|                                 | 50      | 0         | 20.96                    |                              | 0        |
| 64QAM                           | 1       | 0         | 20.96                    | 0-2                          | 0        |
|                                 | 1       | 25        | 20.98                    |                              | 0        |
|                                 | 1       | 49        | 21.05                    |                              | 0        |
|                                 | 25      | 0         | 20.55                    |                              | 0        |
|                                 | 25      | 12        | 20.66                    | 0-3                          | 0        |
|                                 | 25      | 25        | 20.72                    |                              | 0        |
|                                 | 50      | 0         | 20.68                    |                              | 0        |
|                                 | 50      | 0         | 20.68                    |                              | 0        |

**Note:** LTE Band 12 at 10 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

**Table 8-14**  
**LTE Band 12 Conducted Powers Ant 1 - 5 MHz Bandwidth**

| LTE Band 12<br>5 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|--------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 23035<br>(701.5 MHz)  | 23095<br>(707.5 MHz) | 23155<br>(713.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                           | 1       | 0         | 20.96                 | 20.91                | 20.94                | 0                            | 0        |
|                                | 1       | 12        | 21.08                 | 20.74                | 20.96                |                              | 0        |
|                                | 1       | 24        | 21.06                 | 20.75                | 20.82                |                              | 0        |
|                                | 12      | 0         | 21.00                 | 20.89                | 21.15                | 0-1                          | 0        |
|                                | 12      | 6         | 21.01                 | 20.77                | 21.08                |                              | 0        |
|                                | 12      | 13        | 21.04                 | 20.78                | 20.97                |                              | 0        |
|                                | 25      | 0         | 20.97                 | 20.75                | 21.06                |                              | 0        |
|                                | 16QAM   | 1         | 0                     | 20.99                | 21.19                | 21.14                        | 0-1      |
| 1                              |         | 12        | 21.19                 | 21.17                | 21.12                | 0                            |          |
| 1                              |         | 24        | 21.09                 | 20.83                | 20.98                | 0                            |          |
| 12                             |         | 0         | 21.06                 | 20.92                | 21.04                | 0-2                          | 0        |
| 12                             |         | 6         | 21.00                 | 20.80                | 21.13                |                              | 0        |
| 12                             |         | 13        | 20.95                 | 20.84                | 21.02                |                              | 0        |
| 25                             |         | 0         | 20.97                 | 20.79                | 21.09                |                              | 0        |
| 64QAM                          |         | 1         | 0                     | 21.21                | 21.27                | 21.05                        | 0-2      |
|                                | 1       | 12        | 21.19                 | 20.93                | 21.07                | 0                            |          |
|                                | 1       | 24        | 21.17                 | 21.15                | 20.97                | 0                            |          |
|                                | 12      | 0         | 21.05                 | 20.93                | 21.16                | 0-3                          | 0        |
|                                | 12      | 6         | 21.06                 | 20.80                | 21.10                |                              | 0        |
|                                | 12      | 13        | 21.04                 | 20.79                | 20.91                |                              | 0        |
|                                | 25      | 0         | 21.06                 | 20.80                | 21.09                |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 51 of 284                  |

**Table 8-15**  
**LTE Band 12 Conducted Powers Ant 1 - 3 MHz Bandwidth**

| LTE Band 12<br>3 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|--------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 23025<br>(700.5 MHz)  | 23095<br>(707.5 MHz) | 23165<br>(714.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                           | 1       | 0         | 20.83                 | 20.83                | 21.08                | 0                            | 0        |
|                                | 1       | 7         | 21.02                 | 20.75                | 21.03                |                              | 0        |
|                                | 1       | 14        | 20.99                 | 20.71                | 20.82                |                              | 0        |
|                                | 8       | 0         | 21.00                 | 20.91                | 21.14                | 0-1                          | 0        |
|                                | 8       | 4         | 21.08                 | 20.79                | 21.04                |                              | 0        |
|                                | 8       | 7         | 21.10                 | 20.85                | 20.96                |                              | 0        |
|                                | 15      | 0         | 21.10                 | 20.81                | 21.03                |                              | 0        |
| 16QAM                          | 1       | 0         | 21.07                 | 21.06                | 21.13                | 0-1                          | 0        |
|                                | 1       | 7         | 21.30                 | 21.05                | 21.19                |                              | 0        |
|                                | 1       | 14        | 21.14                 | 21.01                | 21.05                |                              | 0        |
|                                | 8       | 0         | 21.04                 | 20.90                | 21.17                | 0-2                          | 0        |
|                                | 8       | 4         | 21.06                 | 20.81                | 21.13                |                              | 0        |
|                                | 8       | 7         | 21.16                 | 20.86                | 21.03                |                              | 0        |
|                                | 15      | 0         | 21.12                 | 20.82                | 21.05                |                              | 0        |
| 64QAM                          | 1       | 0         | 21.06                 | 20.95                | 21.28                | 0-2                          | 0        |
|                                | 1       | 7         | 21.09                 | 21.04                | 21.14                |                              | 0        |
|                                | 1       | 14        | 21.13                 | 21.00                | 21.00                |                              | 0        |
|                                | 8       | 0         | 20.98                 | 20.93                | 21.19                | 0-3                          | 0        |
|                                | 8       | 4         | 21.10                 | 20.82                | 21.08                |                              | 0        |
|                                | 8       | 7         | 21.05                 | 20.85                | 21.10                |                              | 0        |
|                                | 15      | 0         | 21.05                 | 20.87                | 21.08                |                              | 0        |

**Table 8-16**  
**LTE Band 12 Conducted Powers Ant 1 - 1.4 MHz Bandwidth**

| LTE Band 12<br>1.4 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|----------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                       | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                  |         |           | 23017<br>(699.7 MHz)  | 23095<br>(707.5 MHz) | 23173<br>(715.3 MHz) |                              |          |
|                                  |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                             | 1       | 0         | 21.04                 | 20.93                | 21.10                | 0                            | 0        |
|                                  | 1       | 2         | 21.00                 | 20.89                | 21.04                |                              | 0        |
|                                  | 1       | 5         | 21.05                 | 20.88                | 21.00                |                              | 0        |
|                                  | 3       | 0         | 20.96                 | 20.83                | 21.01                |                              | 0        |
|                                  | 3       | 2         | 21.01                 | 20.80                | 21.00                |                              | 0        |
|                                  | 3       | 3         | 21.03                 | 20.81                | 20.90                |                              | 0        |
|                                  | 6       | 0         | 21.05                 | 20.88                | 21.02                | 0-1                          | 0        |
| 16QAM                            | 1       | 0         | 21.12                 | 21.12                | 21.30                | 0-1                          | 0        |
|                                  | 1       | 2         | 21.18                 | 21.02                | 21.22                |                              | 0        |
|                                  | 1       | 5         | 21.20                 | 20.97                | 21.15                |                              | 0        |
|                                  | 3       | 0         | 20.80                 | 20.74                | 20.97                |                              | 0        |
|                                  | 3       | 2         | 20.85                 | 20.65                | 20.93                |                              | 0        |
|                                  | 3       | 3         | 20.94                 | 20.70                | 20.90                |                              | 0        |
|                                  | 6       | 0         | 20.77                 | 20.68                | 20.85                | 0-2                          | 0        |
| 64QAM                            | 1       | 0         | 21.07                 | 20.75                | 21.26                | 0-2                          | 0        |
|                                  | 1       | 2         | 21.11                 | 20.74                | 21.13                |                              | 0        |
|                                  | 1       | 5         | 21.15                 | 20.70                | 21.05                |                              | 0        |
|                                  | 3       | 0         | 20.70                 | 20.54                | 20.72                |                              | 0        |
|                                  | 3       | 2         | 20.74                 | 20.50                | 20.67                |                              | 0        |
|                                  | 3       | 3         | 20.71                 | 20.48                | 20.64                |                              | 0        |
|                                  | 6       | 0         | 20.61                 | 20.43                | 20.62                | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 52 of 284                  |

**Table 8-17**  
**LTE Band 12 Conducted Powers Ant 1 - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 12<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 23095<br>(707.5 MHz)     |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 17.96                    | 0                            | 0        |
|                                 | 1       | 25        | 17.93                    |                              | 0        |
|                                 | 1       | 49        | 18.13                    |                              | 0        |
|                                 | 25      | 0         | 17.80                    | 0-1                          | 0        |
|                                 | 25      | 12        | 17.87                    |                              | 0        |
|                                 | 25      | 25        | 17.99                    |                              | 0        |
|                                 | 50      | 0         | 17.92                    |                              | 0        |
| 16QAM                           | 1       | 0         | 17.87                    | 0-1                          | 0        |
|                                 | 1       | 25        | 17.89                    |                              | 0        |
|                                 | 1       | 49        | 18.09                    |                              | 0        |
|                                 | 25      | 0         | 17.60                    | 0-2                          | 0        |
|                                 | 25      | 12        | 17.70                    |                              | 0        |
|                                 | 25      | 25        | 17.74                    |                              | 0        |
|                                 | 50      | 0         | 17.73                    |                              | 0        |
| 64QAM                           | 1       | 0         | 17.95                    | 0-2                          | 0        |
|                                 | 1       | 25        | 17.96                    |                              | 0        |
|                                 | 1       | 49        | 18.22                    |                              | 0        |
|                                 | 25      | 0         | 17.54                    | 0-3                          | 0        |
|                                 | 25      | 12        | 17.62                    |                              | 0        |
|                                 | 25      | 25        | 17.75                    |                              | 0        |
|                                 | 50      | 0         | 17.70                    |                              | 0        |

**Note: LTE Band 12 at 10 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.**

**Table 8-18**  
**LTE Band 12 Conducted Powers Ant 1 - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 12<br>5 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|--------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 23035<br>(701.5 MHz)  | 23095<br>(707.5 MHz) | 23155<br>(713.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                           | 1       | 0         | 17.77                 | 17.79                | 17.87                | 0                            | 0        |
|                                | 1       | 12        | 17.91                 | 17.62                | 17.89                |                              | 0        |
|                                | 1       | 24        | 17.94                 | 17.69                | 17.78                |                              | 0        |
|                                | 12      | 0         | 17.96                 | 17.83                | 18.09                | 0-1                          | 0        |
|                                | 12      | 6         | 17.96                 | 17.70                | 17.96                |                              | 0        |
|                                | 12      | 13        | 18.01                 | 17.70                | 17.90                |                              | 0        |
|                                | 25      | 0         | 17.98                 | 17.69                | 17.98                |                              | 0        |
| 16QAM                          | 1       | 0         | 17.75                 | 17.69                | 17.79                | 0-1                          | 0        |
|                                | 1       | 12        | 17.79                 | 17.52                | 17.76                |                              | 0        |
|                                | 1       | 24        | 17.79                 | 17.59                | 17.65                |                              | 0        |
|                                | 12      | 0         | 17.69                 | 17.62                | 17.80                | 0-2                          | 0        |
|                                | 12      | 6         | 17.72                 | 17.50                | 17.68                |                              | 0        |
|                                | 12      | 13        | 17.74                 | 17.51                | 17.64                |                              | 0        |
|                                | 25      | 0         | 17.77                 | 17.44                | 17.77                |                              | 0        |
| 64QAM                          | 1       | 0         | 17.62                 | 17.86                | 17.94                | 0-2                          | 0        |
|                                | 1       | 12        | 17.86                 | 17.71                | 18.01                |                              | 0        |
|                                | 1       | 24        | 17.85                 | 17.59                | 17.92                |                              | 0        |
|                                | 12      | 0         | 17.70                 | 17.56                | 17.88                | 0-3                          | 0        |
|                                | 12      | 6         | 17.69                 | 17.47                | 17.79                |                              | 0        |
|                                | 12      | 13        | 17.73                 | 17.45                | 17.76                |                              | 0        |
|                                | 25      | 0         | 17.66                 | 17.52                | 17.72                |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 53 of 284                  |

**Table 8-19**  
**LTE Band 12 Conducted Powers Ant 1 - 3 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 12<br>3 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|--------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 23025<br>(700.5 MHz)  | 23095<br>(707.5 MHz) | 23165<br>(714.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                           | 1       | 0         | 17.65                 | 17.70                | 17.83                | 0                            | 0        |
|                                | 1       | 7         | 17.85                 | 17.62                | 17.79                |                              | 0        |
|                                | 1       | 14        | 17.81                 | 17.54                | 17.66                |                              | 0        |
|                                | 8       | 0         | 17.87                 | 17.79                | 17.93                | 0-1                          | 0        |
|                                | 8       | 4         | 17.92                 | 17.67                | 17.87                |                              | 0        |
|                                | 8       | 7         | 17.93                 | 17.72                | 17.84                |                              | 0        |
|                                | 15      | 0         | 17.93                 | 17.71                | 17.90                |                              | 0        |
| 16QAM                          | 1       | 0         | 17.66                 | 17.86                | 17.98                | 0-1                          | 0        |
|                                | 1       | 7         | 17.93                 | 17.67                | 18.00                |                              | 0        |
|                                | 1       | 14        | 17.95                 | 17.62                | 17.81                |                              | 0        |
|                                | 8       | 0         | 17.79                 | 17.68                | 17.78                | 0-2                          | 0        |
|                                | 8       | 4         | 17.83                 | 17.58                | 17.73                |                              | 0        |
|                                | 8       | 7         | 17.83                 | 17.61                | 17.73                |                              | 0        |
|                                | 15      | 0         | 17.83                 | 17.56                | 17.74                |                              | 0        |
| 64QAM                          | 1       | 0         | 17.73                 | 17.89                | 18.02                | 0-2                          | 0        |
|                                | 1       | 7         | 17.89                 | 17.83                | 18.14                |                              | 0        |
|                                | 1       | 14        | 17.84                 | 17.49                | 17.95                |                              | 0        |
|                                | 8       | 0         | 17.65                 | 17.62                | 17.85                | 0-3                          | 0        |
|                                | 8       | 4         | 17.74                 | 17.47                | 17.80                |                              | 0        |
|                                | 8       | 7         | 17.69                 | 17.52                | 17.81                |                              | 0        |
|                                | 15      | 0         | 17.73                 | 17.49                | 17.73                |                              | 0        |

**Table 8-20**  
**LTE Band 12 Conducted Powers Ant 1 - 1.4 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 12<br>1.4 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|----------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                       | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                  |         |           | 23017<br>(699.7 MHz)  | 23095<br>(707.5 MHz) | 23173<br>(715.3 MHz) |                              |          |
|                                  |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                             | 1       | 0         | 17.89                 | 17.77                | 17.97                | 0                            | 0        |
|                                  | 1       | 2         | 17.92                 | 17.73                | 17.89                |                              | 0        |
|                                  | 1       | 5         | 18.00                 | 17.73                | 17.88                |                              | 0        |
|                                  | 3       | 0         | 17.77                 | 17.68                | 17.80                |                              | 0        |
|                                  | 3       | 2         | 17.84                 | 17.67                | 17.82                |                              | 0        |
|                                  | 3       | 3         | 17.85                 | 17.66                | 17.77                |                              | 0        |
|                                  | 6       | 0         | 17.83                 | 17.64                | 17.80                | 0-1                          | 0        |
| 16QAM                            | 1       | 0         | 18.05                 | 17.79                | 18.02                | 0-1                          | 0        |
|                                  | 1       | 2         | 17.98                 | 17.74                | 17.92                |                              | 0        |
|                                  | 1       | 5         | 18.00                 | 17.80                | 17.85                |                              | 0        |
|                                  | 3       | 0         | 17.75                 | 17.67                | 17.80                |                              | 0        |
|                                  | 3       | 2         | 17.80                 | 17.65                | 17.67                |                              | 0        |
|                                  | 3       | 3         | 17.75                 | 17.66                | 17.78                |                              | 0        |
|                                  | 6       | 0         | 17.83                 | 17.58                | 17.72                | 0-2                          | 0        |
| 64QAM                            | 1       | 0         | 17.75                 | 17.63                | 18.01                | 0-2                          | 0        |
|                                  | 1       | 2         | 17.77                 | 17.82                | 17.88                |                              | 0        |
|                                  | 1       | 5         | 17.85                 | 17.66                | 17.72                |                              | 0        |
|                                  | 3       | 0         | 17.67                 | 17.63                | 17.91                |                              | 0        |
|                                  | 3       | 2         | 17.73                 | 17.51                | 17.88                |                              | 0        |
|                                  | 3       | 3         | 17.78                 | 17.58                | 17.79                |                              | 0        |
|                                  | 6       | 0         | 17.69                 | 17.47                | 17.61                | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |  |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  |  | Page 54 of 284                  |

**Table 8-21**  
**LTE Band 12 Conducted Powers Ant 3 - 10 MHz Bandwidth**

| LTE Band 12<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 23095<br>(707.5 MHz)     |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 21.51                    | 0                            | 0        |
|                                 | 1       | 25        | 21.39                    |                              | 0        |
|                                 | 1       | 49        | 21.57                    |                              | 0        |
|                                 | 25      | 0         | 21.48                    | 0-1                          | 0        |
|                                 | 25      | 12        | 21.43                    |                              | 0        |
|                                 | 25      | 25        | 21.49                    |                              | 0        |
|                                 | 50      | 0         | 21.45                    |                              | 0        |
| 16QAM                           | 1       | 0         | 21.53                    | 0-1                          | 0        |
|                                 | 1       | 25        | 21.42                    |                              | 0        |
|                                 | 1       | 49        | 21.62                    |                              | 0        |
|                                 | 25      | 0         | 21.28                    | 0-2                          | 0        |
|                                 | 25      | 12        | 21.20                    |                              | 0        |
|                                 | 25      | 25        | 21.27                    |                              | 0        |
|                                 | 50      | 0         | 21.23                    |                              | 0        |
| 64QAM                           | 1       | 0         | 21.60                    | 0-2                          | 0        |
|                                 | 1       | 25        | 21.50                    |                              | 0        |
|                                 | 1       | 49        | 21.67                    |                              | 0        |
|                                 | 25      | 0         | 21.21                    | 0-3                          | 0        |
|                                 | 25      | 12        | 21.19                    |                              | 0        |
|                                 | 25      | 25        | 21.27                    |                              | 0        |
|                                 | 50      | 0         | 21.23                    |                              | 0        |

**Note: LTE Band 12 at 10 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.**

**Table 8-22**  
**LTE Band 12 Conducted Powers Ant 3 - 5 MHz Bandwidth**

| LTE Band 12<br>5 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|--------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 23035<br>(701.5 MHz)  | 23095<br>(707.5 MHz) | 23155<br>(713.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                           | 1       | 0         | 21.39                 | 21.48                | 21.30                | 0                            | 0        |
|                                | 1       | 12        | 21.49                 | 21.25                | 21.45                |                              | 0        |
|                                | 1       | 24        | 21.61                 | 21.16                | 21.60                |                              | 0        |
|                                | 12      | 0         | 21.50                 | 21.45                | 21.45                | 0-1                          | 0        |
|                                | 12      | 6         | 21.54                 | 21.36                | 21.51                |                              | 0        |
|                                | 12      | 13        | 21.62                 | 21.27                | 21.66                |                              | 0        |
|                                | 25      | 0         | 21.59                 | 21.38                | 21.56                | 0                            |          |
| 16QAM                          | 1       | 0         | 21.75                 | 21.79                | 21.71                | 0-1                          | 0        |
|                                | 1       | 12        | 21.80                 | 21.73                | 21.61                |                              | 0        |
|                                | 1       | 24        | 21.78                 | 21.58                | 21.74                |                              | 0        |
|                                | 12      | 0         | 21.58                 | 21.49                | 21.45                | 0-2                          | 0        |
|                                | 12      | 6         | 21.63                 | 21.38                | 21.56                |                              | 0        |
|                                | 12      | 13        | 21.71                 | 21.28                | 21.73                |                              | 0        |
|                                | 25      | 0         | 21.67                 | 21.39                | 21.57                | 0                            |          |
| 64QAM                          | 1       | 0         | 21.77                 | 21.80                | 21.51                | 0-2                          | 0        |
|                                | 1       | 12        | 21.80                 | 21.69                | 21.79                |                              | 0        |
|                                | 1       | 24        | 21.78                 | 21.58                | 21.78                |                              | 0        |
|                                | 12      | 0         | 21.53                 | 21.43                | 21.52                | 0-3                          | 0        |
|                                | 12      | 6         | 21.63                 | 21.39                | 21.55                |                              | 0        |
|                                | 12      | 13        | 21.67                 | 21.28                | 21.69                |                              | 0        |
|                                | 25      | 0         | 21.65                 | 21.40                | 21.60                | 0                            |          |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 55 of 284                  |

**Table 8-23**  
**LTE Band 12 Conducted Powers Ant 3 - 3 MHz Bandwidth**

| LTE Band 12<br>3 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|--------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 23025<br>(700.5 MHz)  | 23095<br>(707.5 MHz) | 23165<br>(714.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                           | 1       | 0         | 21.64                 | 21.40                | 21.59                | 0                            | 0        |
|                                | 1       | 7         | 21.66                 | 21.38                | 21.73                |                              | 0        |
|                                | 1       | 14        | 21.65                 | 21.15                | 21.65                |                              | 0        |
|                                | 8       | 0         | 21.52                 | 21.48                | 21.64                | 0-1                          | 0        |
|                                | 8       | 4         | 21.59                 | 21.41                | 21.76                |                              | 0        |
|                                | 8       | 7         | 21.66                 | 21.34                | 21.69                |                              | 0        |
|                                | 15      | 0         | 21.60                 | 21.44                | 21.78                |                              | 0        |
| 16QAM                          | 1       | 0         | 21.61                 | 21.57                | 21.72                | 0-1                          | 0        |
|                                | 1       | 7         | 21.67                 | 21.49                | 21.78                |                              | 0        |
|                                | 1       | 14        | 21.75                 | 21.52                | 21.66                |                              | 0        |
|                                | 8       | 0         | 21.28                 | 21.29                | 21.42                | 0-2                          | 0        |
|                                | 8       | 4         | 21.34                 | 21.24                | 21.45                |                              | 0        |
|                                | 8       | 7         | 21.44                 | 21.14                | 21.48                |                              | 0        |
|                                | 15      | 0         | 21.34                 | 21.23                | 21.49                |                              | 0        |
| 64QAM                          | 1       | 0         | 21.52                 | 21.60                | 21.74                | 0-2                          | 0        |
|                                | 1       | 7         | 21.68                 | 21.61                | 21.72                |                              | 0        |
|                                | 1       | 14        | 21.62                 | 21.39                | 21.65                |                              | 0        |
|                                | 8       | 0         | 21.32                 | 21.27                | 21.39                | 0-3                          | 0        |
|                                | 8       | 4         | 21.40                 | 21.33                | 21.53                |                              | 0        |
|                                | 8       | 7         | 21.45                 | 21.22                | 21.49                |                              | 0        |
|                                | 15      | 0         | 21.32                 | 21.34                | 21.51                |                              | 0        |

**Table 8-24**  
**LTE Band 12 Conducted Powers Ant 3 - 1.4 MHz Bandwidth**

| LTE Band 12<br>1.4 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|----------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                       | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                  |         |           | 23017<br>(699.7 MHz)  | 23095<br>(707.5 MHz) | 23173<br>(715.3 MHz) |                              |          |
|                                  |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                             | 1       | 0         | 21.52                 | 21.36                | 21.76                | 0                            | 0        |
|                                  | 1       | 2         | 21.53                 | 21.33                | 21.78                |                              | 0        |
|                                  | 1       | 5         | 21.62                 | 21.32                | 21.78                |                              | 0        |
|                                  | 3       | 0         | 21.51                 | 21.43                | 21.70                |                              | 0        |
|                                  | 3       | 2         | 21.49                 | 21.41                | 21.71                |                              | 0        |
|                                  | 3       | 3         | 21.49                 | 21.41                | 21.72                |                              | 0        |
|                                  | 6       | 0         | 21.49                 | 21.44                | 21.73                | 0-1                          | 0        |
| 16QAM                            | 1       | 0         | 21.70                 | 21.54                | 21.76                | 0-1                          | 0        |
|                                  | 1       | 2         | 21.69                 | 21.52                | 21.79                |                              | 0        |
|                                  | 1       | 5         | 21.76                 | 21.58                | 21.77                |                              | 0        |
|                                  | 3       | 0         | 21.42                 | 21.31                | 21.53                |                              | 0        |
|                                  | 3       | 2         | 21.35                 | 21.37                | 21.58                |                              | 0        |
|                                  | 3       | 3         | 21.37                 | 21.28                | 21.55                |                              | 0        |
|                                  | 6       | 0         | 21.34                 | 21.30                | 21.50                | 0-2                          | 0        |
| 64QAM                            | 1       | 0         | 21.67                 | 21.50                | 21.77                | 0-2                          | 0        |
|                                  | 1       | 2         | 21.52                 | 21.54                | 21.78                |                              | 0        |
|                                  | 1       | 5         | 21.73                 | 21.49                | 21.78                |                              | 0        |
|                                  | 3       | 0         | 21.41                 | 21.27                | 21.56                |                              | 0        |
|                                  | 3       | 2         | 21.33                 | 21.23                | 21.62                |                              | 0        |
|                                  | 3       | 3         | 21.40                 | 21.27                | 21.66                |                              | 0        |
|                                  | 6       | 0         | 21.33                 | 21.26                | 21.60                | 0-3                          | 0        |

|                                         |                                                                                                   |                              |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   | Page 56 of 284                  |

**Table 8-25**  
**LTE Band 12 Conducted Powers Ant 3 - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 12<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 23095<br>(707.5 MHz)     |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 18.51                    | 0                            | 0        |
|                                 | 1       | 25        | 18.36                    |                              | 0        |
|                                 | 1       | 49        | 18.68                    |                              | 0        |
|                                 | 25      | 0         | 18.44                    | 0-1                          | 0        |
|                                 | 25      | 12        | 18.39                    |                              | 0        |
|                                 | 25      | 25        | 18.49                    |                              | 0        |
|                                 | 50      | 0         | 18.44                    |                              | 0        |
| 16QAM                           | 1       | 0         | 18.40                    | 0-1                          | 0        |
|                                 | 1       | 25        | 18.41                    |                              | 0        |
|                                 | 1       | 49        | 18.40                    |                              | 0        |
|                                 | 25      | 0         | 18.39                    | 0-2                          | 0        |
|                                 | 25      | 12        | 18.39                    |                              | 0        |
|                                 | 25      | 25        | 18.39                    |                              | 0        |
|                                 | 50      | 0         | 18.39                    |                              | 0        |
| 64QAM                           | 1       | 0         | 18.41                    | 0-2                          | 0        |
|                                 | 1       | 25        | 18.40                    |                              | 0        |
|                                 | 1       | 49        | 18.41                    |                              | 0        |
|                                 | 25      | 0         | 18.38                    | 0-3                          | 0        |
|                                 | 25      | 12        | 18.37                    |                              | 0        |
|                                 | 25      | 25        | 18.39                    |                              | 0        |
|                                 | 50      | 0         | 18.38                    |                              | 0        |

**Note: LTE Band 12 at 10 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.**

**Table 8-26**  
**LTE Band 12 Conducted Powers Ant 3 - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 12<br>5 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|--------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 23035<br>(701.5 MHz)  | 23095<br>(707.5 MHz) | 23155<br>(713.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                           | 1       | 0         | 18.42                 | 18.33                | 18.18                | 0                            | 0        |
|                                | 1       | 12        | 18.49                 | 18.25                | 18.40                |                              | 0        |
|                                | 1       | 24        | 18.59                 | 18.17                | 18.59                |                              | 0        |
|                                | 12      | 0         | 18.35                 | 18.36                | 18.34                | 0-1                          | 0        |
|                                | 12      | 6         | 18.36                 | 18.28                | 18.39                |                              | 0        |
|                                | 12      | 13        | 18.44                 | 18.19                | 18.48                |                              | 0        |
| 16QAM                          | 25      | 0         | 18.39                 | 18.28                | 18.41                | 0                            |          |
|                                | 1       | 0         | 18.36                 | 18.48                | 18.44                | 0-1                          | 0        |
|                                | 1       | 12        | 18.56                 | 18.44                | 18.66                |                              | 0        |
|                                | 1       | 24        | 18.65                 | 18.31                | 18.69                |                              | 0        |
|                                | 12      | 0         | 18.35                 | 18.40                | 18.34                | 0-2                          | 0        |
|                                | 12      | 6         | 18.42                 | 18.35                | 18.43                |                              | 0        |
| 12                             | 13      | 18.48     | 18.18                 | 18.54                | 0                    |                              |          |
| 64QAM                          | 25      | 0         | 18.42                 | 18.31                | 18.49                | 0                            |          |
|                                | 1       | 0         | 18.68                 | 18.58                | 18.33                | 0-2                          | 0        |
|                                | 1       | 12        | 18.53                 | 18.52                | 18.49                |                              | 0        |
|                                | 1       | 24        | 18.69                 | 18.54                | 18.73                |                              | 0        |
|                                | 12      | 0         | 18.45                 | 18.36                | 18.36                | 0-3                          | 0        |
|                                | 12      | 6         | 18.42                 | 18.32                | 18.48                |                              | 0        |
| 12                             | 13      | 18.49     | 18.23                 | 18.55                | 0                    |                              |          |
|                                | 25      | 0         | 18.45                 | 18.24                | 18.40                | 0                            |          |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 57 of 284                  |

**Table 8-27**  
**LTE Band 12 Conducted Powers Ant 3 - 3 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 12<br>3 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|--------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 23025<br>(700.5 MHz)  | 23095<br>(707.5 MHz) | 23165<br>(714.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                           | 1       | 0         | 18.29                 | 18.32                | 18.34                | 0                            | 0        |
|                                | 1       | 7         | 18.41                 | 18.32                | 18.49                |                              | 0        |
|                                | 1       | 14        | 18.41                 | 18.15                | 18.45                |                              | 0        |
|                                | 8       | 0         | 18.44                 | 18.45                | 18.48                | 0-1                          | 0        |
|                                | 8       | 4         | 18.47                 | 18.36                | 18.58                |                              | 0        |
|                                | 8       | 7         | 18.54                 | 18.29                | 18.55                |                              | 0        |
|                                | 15      | 0         | 18.50                 | 18.38                | 18.58                |                              | 0        |
| 16QAM                          | 1       | 0         | 18.60                 | 18.39                | 18.65                | 0-1                          | 0        |
|                                | 1       | 7         | 18.62                 | 18.62                | 18.66                |                              | 0        |
|                                | 1       | 14        | 18.60                 | 18.30                | 18.58                |                              | 0        |
|                                | 8       | 0         | 18.49                 | 18.51                | 18.49                | 0-2                          | 0        |
|                                | 8       | 4         | 18.54                 | 18.41                | 18.61                |                              | 0        |
|                                | 8       | 7         | 18.60                 | 18.33                | 18.55                |                              | 0        |
|                                | 15      | 0         | 18.58                 | 18.43                | 18.63                |                              | 0        |
| 64QAM                          | 1       | 0         | 18.57                 | 18.63                | 18.75                | 0-2                          | 0        |
|                                | 1       | 7         | 18.67                 | 18.61                | 18.79                |                              | 0        |
|                                | 1       | 14        | 18.61                 | 18.37                | 18.71                |                              | 0        |
|                                | 8       | 0         | 18.54                 | 18.45                | 18.59                | 0-3                          | 0        |
|                                | 8       | 4         | 18.50                 | 18.39                | 18.63                |                              | 0        |
|                                | 8       | 7         | 18.59                 | 18.32                | 18.60                |                              | 0        |
|                                | 15      | 0         | 18.54                 | 18.39                | 18.61                |                              | 0        |

**Table 8-28**  
**LTE Band 12 Conducted Powers Ant 3 - 1.4 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 12<br>1.4 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|----------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                       | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                  |         |           | 23017<br>(699.7 MHz)  | 23095<br>(707.5 MHz) | 23173<br>(715.3 MHz) |                              |          |
|                                  |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                             | 1       | 0         | 18.32                 | 18.31                | 18.73                | 0                            | 0        |
|                                  | 1       | 2         | 18.35                 | 18.28                | 18.67                |                              | 0        |
|                                  | 1       | 5         | 18.41                 | 18.30                | 18.75                |                              | 0        |
|                                  | 3       | 0         | 18.45                 | 18.38                | 18.58                |                              | 0        |
|                                  | 3       | 2         | 18.41                 | 18.38                | 18.58                |                              | 0        |
|                                  | 3       | 3         | 18.42                 | 18.39                | 18.62                |                              | 0        |
|                                  | 6       | 0         | 18.42                 | 18.37                | 18.57                | 0-1                          | 0        |
| 16QAM                            | 1       | 0         | 18.50                 | 18.65                | 18.68                | 0-1                          | 0        |
|                                  | 1       | 2         | 18.59                 | 18.63                | 18.71                |                              | 0        |
|                                  | 1       | 5         | 18.64                 | 18.60                | 18.80                |                              | 0        |
|                                  | 3       | 0         | 18.62                 | 18.46                | 18.69                |                              | 0        |
|                                  | 3       | 2         | 18.56                 | 18.42                | 18.70                |                              | 0        |
|                                  | 3       | 3         | 18.61                 | 18.49                | 18.68                |                              | 0        |
|                                  | 6       | 0         | 18.51                 | 18.43                | 18.67                | 0-2                          | 0        |
| 64QAM                            | 1       | 0         | 18.60                 | 18.64                | 18.78                | 0-2                          | 0        |
|                                  | 1       | 2         | 18.67                 | 18.60                | 18.78                |                              | 0        |
|                                  | 1       | 5         | 18.66                 | 18.63                | 18.80                |                              | 0        |
|                                  | 3       | 0         | 18.57                 | 18.42                | 18.72                |                              | 0        |
|                                  | 3       | 2         | 18.54                 | 18.45                | 18.76                |                              | 0        |
|                                  | 3       | 3         | 18.62                 | 18.36                | 18.67                |                              | 0        |
|                                  | 6       | 0         | 18.51                 | 18.42                | 18.64                | 0-3                          | 0        |

|                                         |                                                                                                   |                              |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   | Page 58 of 284                  |

### 8.3.2

### LTE Band 13

**Table 8-29**  
**LTE Band 13 Conducted Powers Ant 1 - 10 MHz Bandwidth**

| LTE Band 13<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 23230<br>(782.0 MHz)     |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 21.22                    | 0                            | 0        |
|                                 | 1       | 25        | 20.93                    |                              | 0        |
|                                 | 1       | 49        | 21.08                    |                              | 0        |
|                                 | 25      | 0         | 20.85                    | 0-1                          | 0        |
|                                 | 25      | 12        | 20.97                    |                              | 0        |
|                                 | 25      | 25        | 21.07                    |                              | 0        |
|                                 | 50      | 0         | 21.02                    |                              | 0        |
|                                 | 50      | 0         | 21.02                    |                              | 0        |
| 16QAM                           | 1       | 0         | 21.37                    | 0-1                          | 0        |
|                                 | 1       | 25        | 21.18                    |                              | 0        |
|                                 | 1       | 49        | 21.40                    |                              | 0        |
|                                 | 25      | 0         | 20.84                    | 0-2                          | 0        |
|                                 | 25      | 12        | 21.03                    |                              | 0        |
|                                 | 25      | 25        | 21.15                    |                              | 0        |
|                                 | 50      | 0         | 21.07                    |                              | 0        |
|                                 | 50      | 0         | 21.07                    |                              | 0        |
| 64QAM                           | 1       | 0         | 21.25                    | 0-2                          | 0        |
|                                 | 1       | 25        | 21.23                    |                              | 0        |
|                                 | 1       | 49        | 21.40                    |                              | 0        |
|                                 | 25      | 0         | 20.90                    | 0-3                          | 0        |
|                                 | 25      | 12        | 21.00                    |                              | 0        |
|                                 | 25      | 25        | 21.15                    |                              | 0        |
|                                 | 50      | 0         | 21.09                    |                              | 0        |
|                                 | 50      | 0         | 21.09                    |                              | 0        |

**Table 8-30**  
**LTE Band 13 Conducted Powers Ant 1 - 5 MHz Bandwidth**

| LTE Band 13<br>5 MHz Bandwidth |         |           |                          |                              |          |
|--------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 23230<br>(782.0 MHz)     |                              |          |
|                                |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                           | 1       | 0         | 21.27                    | 0                            | 0        |
|                                | 1       | 12        | 21.20                    |                              | 0        |
|                                | 1       | 24        | 21.27                    |                              | 0        |
|                                | 12      | 0         | 21.28                    | 0-1                          | 0        |
|                                | 12      | 6         | 21.25                    |                              | 0        |
|                                | 12      | 13        | 21.15                    |                              | 0        |
|                                | 25      | 0         | 21.20                    |                              | 0        |
|                                | 25      | 0         | 21.20                    |                              | 0        |
| 16QAM                          | 1       | 0         | 21.48                    | 0-1                          | 0        |
|                                | 1       | 12        | 21.44                    |                              | 0        |
|                                | 1       | 24        | 21.40                    |                              | 0        |
|                                | 12      | 0         | 21.06                    | 0-2                          | 0        |
|                                | 12      | 6         | 21.07                    |                              | 0        |
|                                | 12      | 13        | 20.98                    |                              | 0        |
|                                | 25      | 0         | 20.93                    |                              | 0        |
|                                | 25      | 0         | 20.93                    |                              | 0        |
| 64QAM                          | 1       | 0         | 21.20                    | 0-2                          | 0        |
|                                | 1       | 12        | 21.10                    |                              | 0        |
|                                | 1       | 24        | 21.12                    |                              | 0        |
|                                | 12      | 0         | 20.90                    | 0-3                          | 0        |
|                                | 12      | 6         | 20.83                    |                              | 0        |
|                                | 12      | 13        | 20.74                    |                              | 0        |
|                                | 25      | 0         | 20.79                    |                              | 0        |
|                                | 25      | 0         | 20.79                    |                              | 0        |

**Note:** LTE Band 13 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                                                  |                            |                                 |
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| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 59 of 284                  |

**Table 8-31**  
**LTE Band 13 Conducted Powers Ant 1 - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 13<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 23230<br>(782.0 MHz)     |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 18.37                    | 0                            | 0        |
|                                 | 1       | 25        | 18.19                    |                              | 0        |
|                                 | 1       | 49        | 18.44                    |                              | 0        |
|                                 | 25      | 0         | 18.16                    | 0-1                          | 0        |
|                                 | 25      | 12        | 18.19                    |                              | 0        |
|                                 | 25      | 25        | 18.32                    |                              | 0        |
| 16QAM                           | 50      | 0         | 18.25                    | 0-1                          | 0        |
|                                 | 1       | 0         | 18.31                    |                              | 0        |
|                                 | 1       | 25        | 18.11                    |                              | 0        |
|                                 | 1       | 49        | 18.33                    | 0-2                          | 0        |
|                                 | 25      | 0         | 17.90                    |                              | 0        |
|                                 | 25      | 12        | 18.00                    |                              | 0        |
|                                 | 25      | 25        | 18.14                    |                              | 0        |
|                                 | 50      | 0         | 18.05                    |                              | 0        |
| 64QAM                           | 1       | 0         | 18.33                    | 0-2                          | 0        |
|                                 | 1       | 25        | 18.21                    |                              | 0        |
|                                 | 1       | 49        | 18.49                    |                              | 0        |
|                                 | 25      | 0         | 17.85                    | 0-3                          | 0        |
|                                 | 25      | 12        | 18.02                    |                              | 0        |
|                                 | 25      | 25        | 18.17                    |                              | 0        |
|                                 | 50      | 0         | 18.09                    |                              | 0        |

**Table 8-32**  
**LTE Band 13 Conducted Powers Ant 1 - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 13<br>5 MHz Bandwidth |         |           |                          |                              |          |
|--------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 23230<br>(782.0 MHz)     |                              |          |
|                                |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                           | 1       | 0         | 17.96                    | 0                            | 0        |
|                                | 1       | 12        | 17.92                    |                              | 0        |
|                                | 1       | 24        | 18.01                    |                              | 0        |
|                                | 12      | 0         | 18.12                    | 0-1                          | 0        |
|                                | 12      | 6         | 18.12                    |                              | 0        |
|                                | 12      | 13        | 18.01                    |                              | 0        |
| 16QAM                          | 25      | 0         | 18.03                    |                              | 0        |
|                                | 1       | 0         | 18.08                    | 0-1                          | 0        |
|                                | 1       | 12        | 18.06                    |                              | 0        |
|                                | 1       | 24        | 18.11                    |                              | 0        |
|                                | 12      | 0         | 18.13                    | 0-2                          | 0        |
|                                | 12      | 6         | 18.15                    |                              | 0        |
|                                | 12      | 13        | 18.05                    |                              | 0        |
|                                | 25      | 0         | 18.08                    |                              | 0        |
| 64QAM                          | 1       | 0         | 18.17                    | 0-2                          | 0        |
|                                | 1       | 12        | 18.05                    |                              | 0        |
|                                | 1       | 24        | 18.19                    |                              | 0        |
|                                | 12      | 0         | 17.91                    | 0-3                          | 0        |
|                                | 12      | 6         | 17.96                    |                              | 0        |
|                                | 12      | 13        | 17.83                    |                              | 0        |
|                                | 25      | 0         | 17.87                    |                              | 0        |

**Note:** LTE Band 13 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                                   |                              |                                 |
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**Table 8-33**  
**LTE Band 13 Conducted Powers Ant 3 - 10 MHz Bandwidth**

| LTE Band 13<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 23230<br>(782.0 MHz)     |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 21.64                    | 0                            | 0        |
|                                 | 1       | 25        | 21.39                    |                              | 0        |
|                                 | 1       | 49        | 21.18                    |                              | 0        |
|                                 | 25      | 0         | 21.24                    | 0-1                          | 0        |
|                                 | 25      | 12        | 21.43                    |                              | 0        |
|                                 | 25      | 25        | 21.33                    |                              | 0        |
|                                 | 50      | 0         | 21.37                    |                              | 0        |
| 16QAM                           | 1       | 0         | 21.47                    | 0-1                          | 0        |
|                                 | 1       | 25        | 21.35                    |                              | 0        |
|                                 | 1       | 49        | 21.17                    |                              | 0        |
|                                 | 25      | 0         | 20.80                    | 0-2                          | 0        |
|                                 | 25      | 12        | 21.01                    |                              | 0        |
|                                 | 25      | 25        | 20.92                    |                              | 0        |
|                                 | 50      | 0         | 20.94                    |                              | 0        |
| 64QAM                           | 1       | 0         | 21.52                    | 0-2                          | 0        |
|                                 | 1       | 25        | 21.40                    |                              | 0        |
|                                 | 1       | 49        | 21.20                    |                              | 0        |
|                                 | 25      | 0         | 20.80                    | 0-3                          | 0        |
|                                 | 25      | 12        | 20.96                    |                              | 0        |
|                                 | 25      | 25        | 20.91                    |                              | 0        |
|                                 | 50      | 0         | 20.97                    |                              | 0        |

**Table 8-34**  
**LTE Band 13 Conducted Powers Ant 3 - 5 MHz Bandwidth**

| LTE Band 13<br>5 MHz Bandwidth |         |           |                          |                              |          |
|--------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 23230<br>(782.0 MHz)     |                              |          |
|                                |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                           | 1       | 0         | 21.23                    | 0                            | 0        |
|                                | 1       | 12        | 21.39                    |                              | 0        |
|                                | 1       | 24        | 21.33                    |                              | 0        |
|                                | 12      | 0         | 21.41                    | 0-1                          | 0        |
|                                | 12      | 6         | 21.45                    |                              | 0        |
|                                | 12      | 13        | 21.46                    |                              | 0        |
|                                | 25      | 0         | 21.45                    |                              | 0        |
| 16QAM                          | 1       | 0         | 21.01                    | 0-1                          | 0        |
|                                | 1       | 12        | 21.24                    |                              | 0        |
|                                | 1       | 24        | 21.19                    |                              | 0        |
|                                | 12      | 0         | 21.13                    | 0-2                          | 0        |
|                                | 12      | 6         | 21.11                    |                              | 0        |
|                                | 12      | 13        | 21.16                    |                              | 0        |
|                                | 25      | 0         | 21.06                    |                              | 0        |
| 64QAM                          | 1       | 0         | 21.23                    | 0-2                          | 0        |
|                                | 1       | 12        | 21.32                    |                              | 0        |
|                                | 1       | 24        | 21.33                    |                              | 0        |
|                                | 12      | 0         | 21.02                    | 0-3                          | 0        |
|                                | 12      | 6         | 21.12                    |                              | 0        |
|                                | 12      | 13        | 21.13                    |                              | 0        |
|                                | 25      | 0         | 21.02                    |                              | 0        |

**Note:** LTE Band 13 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
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| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 61 of 284                  |

**Table 8-35**  
**LTE Band 13 Conducted Powers Ant 3 - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 13<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 23230<br>(782.0 MHz)     |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 18.45                    | 0                            | 0        |
|                                 | 1       | 25        | 18.71                    |                              | 0        |
|                                 | 1       | 49        | 18.47                    |                              | 0        |
|                                 | 25      | 0         | 18.45                    | 0-1                          | 0        |
|                                 | 25      | 12        | 18.62                    |                              | 0        |
|                                 | 25      | 25        | 18.50                    |                              | 0        |
| 16QAM                           | 50      | 0         | 18.61                    | 0-1                          | 0        |
|                                 | 1       | 0         | 18.69                    |                              | 0        |
|                                 | 1       | 25        | 18.49                    |                              | 0        |
|                                 | 1       | 49        | 18.33                    | 0-2                          | 0        |
|                                 | 25      | 0         | 17.94                    |                              | 0        |
|                                 | 25      | 12        | 18.08                    |                              | 0        |
| 64QAM                           | 25      | 25        | 18.04                    | 0-2                          | 0        |
|                                 | 50      | 0         | 18.15                    |                              | 0        |
|                                 | 1       | 0         | 18.61                    | 0-2                          | 0        |
|                                 | 1       | 25        | 18.43                    |                              | 0        |
|                                 | 1       | 49        | 18.07                    |                              | 0        |
|                                 | 25      | 0         | 17.94                    | 0-3                          | 0        |
|                                 | 25      | 12        | 18.11                    |                              | 0        |
|                                 | 25      | 25        | 18.05                    |                              | 0        |
|                                 | 50      | 0         | 18.14                    |                              | 0        |

**Table 8-36**  
**LTE Band 13 Conducted Powers Ant 3 - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 13<br>5 MHz Bandwidth |         |           |                          |                              |          |
|--------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 23230<br>(782.0 MHz)     |                              |          |
|                                |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                           | 1       | 0         | 18.37                    | 0                            | 0        |
|                                | 1       | 12        | 18.47                    |                              | 0        |
|                                | 1       | 24        | 18.54                    |                              | 0        |
|                                | 12      | 0         | 18.46                    | 0-1                          | 0        |
|                                | 12      | 6         | 18.48                    |                              | 0        |
|                                | 12      | 13        | 18.50                    |                              | 0        |
| 16QAM                          | 25      | 0         | 18.43                    | 0-1                          | 0        |
|                                | 1       | 0         | 18.22                    |                              | 0        |
|                                | 1       | 12        | 18.33                    |                              | 0        |
|                                | 1       | 24        | 18.38                    | 0-2                          | 0        |
|                                | 12      | 0         | 18.28                    |                              | 0        |
|                                | 12      | 6         | 18.34                    |                              | 0        |
| 64QAM                          | 12      | 13        | 18.33                    | 0-2                          | 0        |
|                                | 25      | 0         | 18.31                    |                              | 0        |
|                                | 1       | 0         | 18.59                    | 0-2                          | 0        |
|                                | 1       | 12        | 18.59                    |                              | 0        |
|                                | 1       | 24        | 18.67                    |                              | 0        |
|                                | 12      | 0         | 18.33                    | 0-3                          | 0        |
|                                | 12      | 6         | 18.39                    |                              | 0        |
|                                | 12      | 13        | 18.38                    |                              | 0        |
|                                | 25      | 0         | 18.26                    |                              | 0        |

**Note:** LTE Band 13 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                                   |                              |                                 |
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### 8.3.3

### LTE Band 5

**Table 8-37**  
**LTE Band 5 Conducted Powers Ant 1 - 10 MHz Bandwidth**

| LTE Band 5 (Cell)<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 20525<br>(836.5 MHz)     |                              |          |
|                                       |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                                  | 1       | 0         | 20.51                    | 0                            | 0        |
|                                       | 1       | 25        | 20.62                    |                              | 0        |
|                                       | 1       | 49        | 20.57                    |                              | 0        |
|                                       | 25      | 0         | 20.50                    | 0-1                          | 0        |
|                                       | 25      | 12        | 20.61                    |                              | 0        |
|                                       | 25      | 25        | 20.54                    |                              | 0        |
|                                       | 50      | 0         | 20.60                    |                              | 0        |
| 16QAM                                 | 1       | 0         | 20.52                    | 0-1                          | 0        |
|                                       | 1       | 25        | 20.66                    |                              | 0        |
|                                       | 1       | 49        | 20.54                    |                              | 0        |
|                                       | 25      | 0         | 20.28                    | 0-2                          | 0        |
|                                       | 25      | 12        | 20.35                    |                              | 0        |
|                                       | 25      | 25        | 20.32                    |                              | 0        |
|                                       | 50      | 0         | 20.37                    |                              | 0        |
| 64QAM                                 | 1       | 0         | 20.45                    | 0-2                          | 0        |
|                                       | 1       | 25        | 20.55                    |                              | 0        |
|                                       | 1       | 49        | 20.48                    |                              | 0        |
|                                       | 25      | 0         | 20.28                    | 0-3                          | 0        |
|                                       | 25      | 12        | 20.39                    |                              | 0        |
|                                       | 25      | 25        | 20.35                    |                              | 0        |
|                                       | 50      | 0         | 20.36                    |                              | 0        |

**Note:** LTE Band 5 at 10 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

**Table 8-38**  
**LTE Band 5 Conducted Powers Ant 1 - 5 MHz Bandwidth**

| LTE Band 5 (Cell)<br>5 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|--------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20425<br>(826.5 MHz)  | 20525<br>(836.5 MHz) | 20625<br>(846.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                 | 1       | 0         | 20.37                 | 20.36                | 20.47                | 0                            | 0        |
|                                      | 1       | 12        | 20.22                 | 20.54                | 20.51                |                              | 0        |
|                                      | 1       | 24        | 20.17                 | 20.65                | 20.69                |                              | 0        |
|                                      | 12      | 0         | 20.31                 | 20.52                | 20.45                | 0-1                          | 0        |
|                                      | 12      | 6         | 20.27                 | 20.52                | 20.47                |                              | 0        |
|                                      | 12      | 13        | 20.24                 | 20.62                | 20.57                |                              | 0        |
|                                      | 25      | 0         | 20.29                 | 20.62                | 20.49                |                              | 0        |
| 16QAM                                | 1       | 0         | 20.57                 | 20.67                | 20.48                | 0-1                          | 0        |
|                                      | 1       | 12        | 20.41                 | 20.67                | 20.54                |                              | 0        |
|                                      | 1       | 24        | 20.43                 | 20.68                | 20.69                |                              | 0        |
|                                      | 12      | 0         | 20.08                 | 20.30                | 20.27                | 0-2                          | 0        |
|                                      | 12      | 6         | 20.05                 | 20.29                | 20.28                |                              | 0        |
|                                      | 12      | 13        | 19.98                 | 20.35                | 20.35                |                              | 0        |
|                                      | 25      | 0         | 20.08                 | 20.33                | 20.25                |                              | 0        |
| 64QAM                                | 1       | 0         | 20.62                 | 20.62                | 20.62                | 0-2                          | 0        |
|                                      | 1       | 12        | 20.47                 | 20.68                | 20.64                |                              | 0        |
|                                      | 1       | 24        | 20.38                 | 20.69                | 20.70                |                              | 0        |
|                                      | 12      | 0         | 20.09                 | 20.34                | 20.29                | 0-3                          | 0        |
|                                      | 12      | 6         | 20.05                 | 20.30                | 20.27                |                              | 0        |
|                                      | 12      | 13        | 20.02                 | 20.41                | 20.37                |                              | 0        |
|                                      | 25      | 0         | 20.05                 | 20.40                | 20.24                |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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**Table 8-39**  
**LTE Band 5 Conducted Powers Ant 1 - 3 MHz Bandwidth**

| LTE Band 5 (Cell)<br>3 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|--------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20415<br>(825.5 MHz)  | 20525<br>(836.5 MHz) | 20635<br>(847.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                 | 1       | 0         | 20.29                 | 20.41                | 20.38                | 0                            | 0        |
|                                      | 1       | 7         | 20.21                 | 20.56                | 20.50                |                              | 0        |
|                                      | 1       | 14        | 20.14                 | 20.53                | 20.54                |                              | 0        |
|                                      | 8       | 0         | 20.38                 | 20.55                | 20.52                | 0-1                          | 0        |
|                                      | 8       | 4         | 20.30                 | 20.62                | 20.60                |                              | 0        |
|                                      | 8       | 7         | 20.30                 | 20.64                | 20.67                |                              | 0        |
|                                      | 15      | 0         | 20.32                 | 20.65                | 20.63                |                              | 0        |
| 16QAM                                | 1       | 0         | 20.51                 | 20.66                | 20.48                | 0-1                          | 0        |
|                                      | 1       | 7         | 20.29                 | 20.70                | 20.68                |                              | 0        |
|                                      | 1       | 14        | 20.22                 | 20.62                | 20.61                |                              | 0        |
|                                      | 8       | 0         | 20.22                 | 20.43                | 20.34                | 0-2                          | 0        |
|                                      | 8       | 4         | 20.16                 | 20.49                | 20.47                |                              | 0        |
|                                      | 8       | 7         | 20.16                 | 20.45                | 20.53                |                              | 0        |
|                                      | 15      | 0         | 20.14                 | 20.41                | 20.44                |                              | 0        |
| 64QAM                                | 1       | 0         | 20.23                 | 20.58                | 20.51                | 0-2                          | 0        |
|                                      | 1       | 7         | 20.26                 | 20.70                | 20.57                |                              | 0        |
|                                      | 1       | 14        | 20.11                 | 20.59                | 20.55                |                              | 0        |
|                                      | 8       | 0         | 20.25                 | 20.34                | 20.42                | 0-3                          | 0        |
|                                      | 8       | 4         | 20.12                 | 20.40                | 20.47                |                              | 0        |
|                                      | 8       | 7         | 20.14                 | 20.45                | 20.53                |                              | 0        |
|                                      | 15      | 0         | 20.11                 | 20.43                | 20.42                |                              | 0        |

**Table 8-40**  
**LTE Band 5 Conducted Powers Ant 1 - 1.4 MHz Bandwidth**

| LTE Band 5 (Cell)<br>1.4 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|----------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 20407<br>(824.7 MHz)  | 20525<br>(836.5 MHz) | 20643<br>(848.3 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                   | 1       | 0         | 20.49                 | 20.56                | 20.68                | 0                            | 0        |
|                                        | 1       | 2         | 20.40                 | 20.51                | 20.69                |                              | 0        |
|                                        | 1       | 5         | 20.36                 | 20.62                | 20.70                |                              | 0        |
|                                        | 3       | 0         | 20.40                 | 20.53                | 20.66                |                              | 0        |
|                                        | 3       | 2         | 20.36                 | 20.58                | 20.68                |                              | 0        |
|                                        | 3       | 3         | 20.35                 | 20.55                | 20.69                |                              | 0        |
|                                        | 6       | 0         | 20.36                 | 20.54                | 20.67                | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 20.43                 | 20.60                | 20.67                | 0-1                          | 0        |
|                                        | 1       | 2         | 20.32                 | 20.58                | 20.69                |                              | 0        |
|                                        | 1       | 5         | 20.28                 | 20.69                | 20.70                |                              | 0        |
|                                        | 3       | 0         | 20.34                 | 20.47                | 20.60                |                              | 0        |
|                                        | 3       | 2         | 20.25                 | 20.54                | 20.63                |                              | 0        |
|                                        | 3       | 3         | 20.27                 | 20.53                | 20.64                |                              | 0        |
|                                        | 6       | 0         | 20.22                 | 20.47                | 20.59                | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 20.32                 | 20.59                | 20.58                | 0-2                          | 0        |
|                                        | 1       | 2         | 20.27                 | 20.63                | 20.67                |                              | 0        |
|                                        | 1       | 5         | 20.24                 | 20.68                | 20.69                |                              | 0        |
|                                        | 3       | 0         | 20.32                 | 20.45                | 20.67                |                              | 0        |
|                                        | 3       | 2         | 20.24                 | 20.44                | 20.70                |                              | 0        |
|                                        | 3       | 3         | 20.25                 | 20.49                | 20.68                |                              | 0        |
|                                        | 6       | 0         | 20.20                 | 20.43                | 20.53                | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 64 of 284                  |

**Table 8-41**  
**LTE Band 5 Conducted Powers Ant 1 - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 5 (Cell)<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 20525<br>(836.5 MHz)     |                              |          |
|                                       |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                                  | 1       | 0         | 17.40                    | 0                            | 0        |
|                                       | 1       | 25        | 17.50                    |                              | 0        |
|                                       | 1       | 49        | 17.46                    |                              | 0        |
|                                       | 25      | 0         | 17.37                    | 0-1                          | 0        |
|                                       | 25      | 12        | 17.46                    |                              | 0        |
|                                       | 25      | 25        | 17.45                    |                              | 0        |
|                                       | 50      | 0         | 17.45                    |                              | 0        |
| 16QAM                                 | 1       | 0         | 17.45                    | 0-1                          | 0        |
|                                       | 1       | 25        | 17.52                    |                              | 0        |
|                                       | 1       | 49        | 17.47                    |                              | 0        |
|                                       | 25      | 0         | 17.18                    | 0-2                          | 0        |
|                                       | 25      | 12        | 17.24                    |                              | 0        |
|                                       | 25      | 25        | 17.22                    |                              | 0        |
|                                       | 50      | 0         | 17.25                    |                              | 0        |
| 64QAM                                 | 1       | 0         | 17.31                    | 0-2                          | 0        |
|                                       | 1       | 25        | 17.37                    |                              | 0        |
|                                       | 1       | 49        | 17.34                    |                              | 0        |
|                                       | 25      | 0         | 17.17                    | 0-3                          | 0        |
|                                       | 25      | 12        | 17.24                    |                              | 0        |
|                                       | 25      | 25        | 17.22                    |                              | 0        |
|                                       | 50      | 0         | 17.24                    |                              | 0        |

**Note:** LTE Band 5 at 10 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

**Table 8-42**  
**LTE Band 5 Conducted Powers Ant 1 - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 5 (Cell)<br>5 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|--------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20425<br>(826.5 MHz)  | 20525<br>(836.5 MHz) | 20625<br>(846.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                 | 1       | 0         | 17.21                 | 17.19                | 17.16                | 0                            | 0        |
|                                      | 1       | 12        | 17.02                 | 17.34                | 17.22                |                              | 0        |
|                                      | 1       | 24        | 17.00                 | 17.46                | 17.38                |                              | 0        |
|                                      | 12      | 0         | 17.18                 | 17.41                | 17.35                | 0-1                          | 0        |
|                                      | 12      | 6         | 17.13                 | 17.40                | 17.36                |                              | 0        |
|                                      | 12      | 13        | 17.11                 | 17.49                | 17.46                |                              | 0        |
|                                      | 25      | 0         | 17.15                 | 17.48                | 17.39                |                              | 0        |
| 16QAM                                | 1       | 0         | 17.46                 | 17.45                | 17.32                | 0-1                          | 0        |
|                                      | 1       | 12        | 17.17                 | 17.51                | 17.39                |                              | 0        |
|                                      | 1       | 24        | 17.18                 | 17.64                | 17.54                |                              | 0        |
|                                      | 12      | 0         | 17.21                 | 17.48                | 17.35                | 0-2                          | 0        |
|                                      | 12      | 6         | 17.18                 | 17.46                | 17.37                |                              | 0        |
|                                      | 12      | 13        | 17.16                 | 17.56                | 17.41                |                              | 0        |
|                                      | 25      | 0         | 17.19                 | 17.50                | 17.44                |                              | 0        |
| 64QAM                                | 1       | 0         | 17.25                 | 17.29                | 17.34                | 0-2                          | 0        |
|                                      | 1       | 12        | 17.15                 | 17.33                | 17.23                |                              | 0        |
|                                      | 1       | 24        | 17.22                 | 17.58                | 17.44                |                              | 0        |
|                                      | 12      | 0         | 17.03                 | 17.23                | 17.24                | 0-3                          | 0        |
|                                      | 12      | 6         | 17.00                 | 17.25                | 17.25                |                              | 0        |
|                                      | 12      | 13        | 17.00                 | 17.28                | 17.28                |                              | 0        |
|                                      | 25      | 0         | 17.02                 | 17.25                | 17.23                |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
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| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 65 of 284                  |

**Table 8-43**  
**LTE Band 5 Conducted Powers Ant 1 - 3 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 5 (Cell)<br>3 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|--------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20415<br>(825.5 MHz)  | 20525<br>(836.5 MHz) | 20635<br>(847.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                 | 1       | 0         | 17.21                 | 17.19                | 17.16                | 0                            | 0        |
|                                      | 1       | 7         | 17.02                 | 17.34                | 17.22                |                              | 0        |
|                                      | 1       | 14        | 17.01                 | 17.46                | 17.38                |                              | 0        |
|                                      | 8       | 0         | 17.18                 | 17.41                | 17.35                | 0-1                          | 0        |
|                                      | 8       | 4         | 17.13                 | 17.40                | 17.36                |                              | 0        |
|                                      | 8       | 7         | 17.11                 | 17.49                | 17.46                |                              | 0        |
|                                      | 15      | 0         | 17.15                 | 17.48                | 17.39                |                              | 0        |
| 16QAM                                | 1       | 0         | 17.46                 | 17.45                | 17.32                | 0-1                          | 0        |
|                                      | 1       | 7         | 17.17                 | 17.51                | 17.39                |                              | 0        |
|                                      | 1       | 14        | 17.18                 | 17.64                | 17.54                |                              | 0        |
|                                      | 8       | 0         | 17.21                 | 17.48                | 17.35                | 0-2                          | 0        |
|                                      | 8       | 4         | 17.18                 | 17.46                | 17.37                |                              | 0        |
|                                      | 8       | 7         | 17.16                 | 17.56                | 17.41                |                              | 0        |
|                                      | 15      | 0         | 17.19                 | 17.50                | 17.44                |                              | 0        |
| 64QAM                                | 1       | 0         | 17.20                 | 17.42                | 17.41                | 0-2                          | 0        |
|                                      | 1       | 7         | 17.16                 | 17.48                | 17.58                |                              | 0        |
|                                      | 1       | 14        | 17.03                 | 17.33                | 17.48                |                              | 0        |
|                                      | 8       | 0         | 17.15                 | 17.27                | 17.19                | 0-3                          | 0        |
|                                      | 8       | 4         | 17.04                 | 17.33                | 17.30                |                              | 0        |
|                                      | 8       | 7         | 17.00                 | 17.35                | 17.43                |                              | 0        |
|                                      | 15      | 0         | 17.06                 | 17.30                | 17.30                |                              | 0        |

**Table 8-44**  
**LTE Band 5 Conducted Powers Ant 1 - 1.4 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 5 (Cell)<br>1.4 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|----------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 20407<br>(824.7 MHz)  | 20525<br>(836.5 MHz) | 20643<br>(848.3 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                   | 1       | 0         | 17.38                 | 17.50                | 17.46                | 0                            | 0        |
|                                        | 1       | 2         | 17.28                 | 17.40                | 17.52                |                              | 0        |
|                                        | 1       | 5         | 17.20                 | 17.50                | 17.47                |                              | 0        |
|                                        | 3       | 0         | 17.22                 | 17.35                | 17.39                |                              | 0        |
|                                        | 3       | 2         | 17.18                 | 17.42                | 17.39                |                              | 0        |
|                                        | 3       | 3         | 17.18                 | 17.43                | 17.39                |                              | 0        |
|                                        | 6       | 0         | 17.18                 | 17.41                | 17.38                | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 17.53                 | 17.64                | 17.58                | 0-1                          | 0        |
|                                        | 1       | 2         | 17.27                 | 17.47                | 17.53                |                              | 0        |
|                                        | 1       | 5         | 17.29                 | 17.61                | 17.57                |                              | 0        |
|                                        | 3       | 0         | 17.40                 | 17.46                | 17.50                |                              | 0        |
|                                        | 3       | 2         | 17.29                 | 17.48                | 17.48                |                              | 0        |
|                                        | 3       | 3         | 17.40                 | 17.61                | 17.57                |                              | 0        |
|                                        | 6       | 0         | 17.26                 | 17.51                | 17.45                | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 17.04                 | 17.16                | 17.23                | 0-2                          | 0        |
|                                        | 1       | 2         | 17.01                 | 17.06                | 17.23                |                              | 0        |
|                                        | 1       | 5         | 16.89                 | 17.34                | 17.30                |                              | 0        |
|                                        | 3       | 0         | 17.00                 | 17.04                | 17.29                |                              | 0        |
|                                        | 3       | 2         | 16.92                 | 17.13                | 17.30                |                              | 0        |
|                                        | 3       | 3         | 16.91                 | 17.13                | 17.35                |                              | 0        |
|                                        | 6       | 0         | 16.95                 | 17.06                | 17.17                | 0-3                          | 0        |

|                                         |                                                                                                   |                              |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> | Approved by:<br>Quality Manager |
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**Table 8-45**  
**LTE Band 5 Conducted Powers Ant 3 - 10 MHz Bandwidth**

| LTE Band 5 (Cell)<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 20525<br>(836.5 MHz)     |                              |          |
|                                       |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                                  | 1       | 0         | 20.92                    | 0                            | 0        |
|                                       | 1       | 25        | 20.76                    |                              | 0        |
|                                       | 1       | 49        | 20.93                    |                              | 0        |
|                                       | 25      | 0         | 20.83                    | 0-1                          | 0        |
|                                       | 25      | 12        | 20.79                    |                              | 0        |
|                                       | 25      | 25        | 20.95                    |                              | 0        |
| 16QAM                                 | 50      | 0         | 20.83                    | 0-1                          | 0        |
|                                       | 1       | 0         | 20.93                    |                              | 0        |
|                                       | 1       | 25        | 20.73                    |                              | 0        |
|                                       | 1       | 49        | 20.92                    | 0-2                          | 0        |
|                                       | 25      | 0         | 20.62                    |                              | 0        |
|                                       | 25      | 12        | 20.64                    |                              | 0        |
|                                       | 25      | 25        | 20.74                    |                              | 0        |
|                                       | 50      | 0         | 20.64                    |                              | 0        |
| 64QAM                                 | 1       | 0         | 20.91                    | 0-2                          | 0        |
|                                       | 1       | 25        | 20.94                    |                              | 0        |
|                                       | 1       | 49        | 20.88                    |                              | 0        |
|                                       | 25      | 0         | 20.64                    | 0-3                          | 0        |
|                                       | 25      | 12        | 20.63                    |                              | 0        |
|                                       | 25      | 25        | 20.72                    |                              | 0        |
|                                       | 50      | 0         | 20.62                    |                              | 0        |

**Note:** LTE Band 5 at 10 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

**Table 8-46**  
**LTE Band 5 Conducted Powers Ant 3 - 5 MHz Bandwidth**

| LTE Band 5 (Cell)<br>5 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|--------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20425<br>(826.5 MHz)  | 20525<br>(836.5 MHz) | 20625<br>(846.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                 | 1       | 0         | 20.87                 | 20.54                | 21.03                | 0                            | 0        |
|                                      | 1       | 12        | 20.92                 | 20.51                | 20.89                |                              | 0        |
|                                      | 1       | 24        | 20.97                 | 20.58                | 20.85                |                              | 0        |
|                                      | 12      | 0         | 20.84                 | 20.63                | 20.85                | 0-1                          | 0        |
|                                      | 12      | 6         | 20.85                 | 20.59                | 20.76                |                              | 0        |
|                                      | 12      | 13        | 20.88                 | 20.58                | 20.74                |                              | 0        |
|                                      | 25      | 0         | 20.87                 | 20.61                | 20.76                |                              | 0        |
| 16QAM                                | 1       | 0         | 21.06                 | 20.80                | 21.08                | 0-1                          | 0        |
|                                      | 1       | 12        | 21.16                 | 20.88                | 21.04                |                              | 0        |
|                                      | 1       | 24        | 21.11                 | 20.96                | 20.96                |                              | 0        |
|                                      | 12      | 0         | 20.91                 | 20.70                | 20.92                | 0-2                          | 0        |
|                                      | 12      | 6         | 20.95                 | 20.68                | 20.84                |                              | 0        |
|                                      | 12      | 13        | 20.96                 | 20.65                | 20.75                |                              | 0        |
|                                      | 25      | 0         | 20.94                 | 20.64                | 20.82                |                              | 0        |
| 64QAM                                | 1       | 0         | 21.09                 | 20.81                | 21.17                | 0-2                          | 0        |
|                                      | 1       | 12        | 21.13                 | 20.82                | 21.00                |                              | 0        |
|                                      | 1       | 24        | 21.16                 | 20.87                | 21.04                |                              | 0        |
|                                      | 12      | 0         | 20.95                 | 20.72                | 20.92                | 0-3                          | 0        |
|                                      | 12      | 6         | 20.94                 | 20.68                | 20.84                |                              | 0        |
|                                      | 12      | 13        | 20.94                 | 20.65                | 20.81                |                              | 0        |
|                                      | 25      | 0         | 20.94                 | 20.69                | 20.80                |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 67 of 284                  |

**Table 8-47**  
**LTE Band 5 Conducted Powers Ant 3 - 3 MHz Bandwidth**

| LTE Band 5 (Cell)<br>3 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|--------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20415<br>(825.5 MHz)  | 20525<br>(836.5 MHz) | 20635<br>(847.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                 | 1       | 0         | 20.87                 | 20.58                | 20.66                | 0                            | 0        |
|                                      | 1       | 7         | 21.00                 | 20.63                | 20.67                |                              | 0        |
|                                      | 1       | 14        | 20.96                 | 20.59                | 20.59                |                              | 0        |
|                                      | 8       | 0         | 20.82                 | 20.65                | 20.79                | 0-1                          | 0        |
|                                      | 8       | 4         | 20.88                 | 20.65                | 20.77                |                              | 0        |
|                                      | 8       | 7         | 20.89                 | 20.64                | 20.71                |                              | 0        |
|                                      | 15      | 0         | 20.88                 | 20.67                | 20.77                |                              | 0        |
| 16QAM                                | 1       | 0         | 20.88                 | 20.78                | 21.00                | 0-1                          | 0        |
|                                      | 1       | 7         | 20.95                 | 20.79                | 21.03                |                              | 0        |
|                                      | 1       | 14        | 20.84                 | 20.73                | 20.83                |                              | 0        |
|                                      | 8       | 0         | 20.91                 | 20.78                | 20.83                | 0-2                          | 0        |
|                                      | 8       | 4         | 20.94                 | 20.70                | 20.78                |                              | 0        |
|                                      | 8       | 7         | 20.95                 | 20.70                | 20.67                |                              | 0        |
|                                      | 15      | 0         | 20.93                 | 20.74                | 20.85                |                              | 0        |
| 64QAM                                | 1       | 0         | 20.86                 | 20.78                | 20.99                | 0-2                          | 0        |
|                                      | 1       | 7         | 20.97                 | 20.76                | 21.00                |                              | 0        |
|                                      | 1       | 14        | 20.87                 | 20.84                | 20.85                |                              | 0        |
|                                      | 8       | 0         | 20.92                 | 20.76                | 20.88                | 0-3                          | 0        |
|                                      | 8       | 4         | 20.99                 | 20.74                | 20.83                |                              | 0        |
|                                      | 8       | 7         | 20.93                 | 20.74                | 20.75                |                              | 0        |
|                                      | 15      | 0         | 20.93                 | 20.73                | 20.83                |                              | 0        |

**Table 8-48**  
**LTE Band 5 Conducted Powers Ant 3 - 1.4 MHz Bandwidth**

| LTE Band 5 (Cell)<br>1.4 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|----------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 20407<br>(824.7 MHz)  | 20525<br>(836.5 MHz) | 20643<br>(848.3 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                   | 1       | 0         | 20.84                 | 20.51                | 21.00                | 0                            | 0        |
|                                        | 1       | 2         | 20.89                 | 20.55                | 20.86                |                              | 0        |
|                                        | 1       | 5         | 20.94                 | 20.55                | 20.82                |                              | 0        |
|                                        | 3       | 0         | 20.81                 | 20.60                | 20.82                |                              | 0        |
|                                        | 3       | 2         | 20.82                 | 20.56                | 20.73                |                              | 0        |
|                                        | 3       | 3         | 20.85                 | 20.55                | 20.71                |                              | 0        |
|                                        | 6       | 0         | 20.82                 | 20.56                | 20.71                | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 21.01                 | 20.75                | 21.03                | 0-1                          | 0        |
|                                        | 1       | 2         | 21.11                 | 20.83                | 20.99                |                              | 0        |
|                                        | 1       | 5         | 21.06                 | 20.91                | 20.91                |                              | 0        |
|                                        | 3       | 0         | 20.86                 | 20.65                | 20.87                |                              | 0        |
|                                        | 3       | 2         | 20.90                 | 20.63                | 20.79                |                              | 0        |
|                                        | 3       | 3         | 20.91                 | 20.60                | 20.70                |                              | 0        |
|                                        | 6       | 0         | 20.90                 | 20.60                | 20.78                | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 21.05                 | 20.77                | 21.13                | 0-2                          | 0        |
|                                        | 1       | 2         | 21.09                 | 20.78                | 20.96                |                              | 0        |
|                                        | 1       | 5         | 21.12                 | 20.83                | 21.00                |                              | 0        |
|                                        | 3       | 0         | 20.91                 | 20.68                | 20.88                |                              | 0        |
|                                        | 3       | 2         | 20.87                 | 20.61                | 20.77                |                              | 0        |
|                                        | 3       | 3         | 20.87                 | 20.58                | 20.74                |                              | 0        |
|                                        | 6       | 0         | 20.87                 | 20.62                | 20.73                | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 68 of 284                  |

**Table 8-49**  
**LTE Band 5 Conducted Powers Ant 3 - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 5 (Cell)<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 20525<br>(836.5 MHz)     |                              |          |
|                                       |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                                  | 1       | 0         | 18.17                    | 0                            | 0        |
|                                       | 1       | 25        | 18.08                    |                              | 0        |
|                                       | 1       | 49        | 18.28                    |                              | 0        |
|                                       | 25      | 0         | 18.12                    | 0-1                          | 0        |
|                                       | 25      | 12        | 18.11                    |                              | 0        |
|                                       | 25      | 25        | 18.24                    |                              | 0        |
|                                       | 50      | 0         | 18.13                    |                              | 0        |
| 16QAM                                 | 1       | 0         | 18.20                    | 0-1                          | 0        |
|                                       | 1       | 25        | 18.07                    |                              | 0        |
|                                       | 1       | 49        | 18.29                    |                              | 0        |
|                                       | 25      | 0         | 17.91                    | 0-2                          | 0        |
|                                       | 25      | 12        | 17.88                    |                              | 0        |
|                                       | 25      | 25        | 18.06                    |                              | 0        |
|                                       | 50      | 0         | 17.89                    |                              | 0        |
| 64QAM                                 | 1       | 0         | 18.25                    | 0-2                          | 0        |
|                                       | 1       | 25        | 18.14                    |                              | 0        |
|                                       | 1       | 49        | 18.43                    |                              | 0        |
|                                       | 25      | 0         | 17.91                    | 0-3                          | 0        |
|                                       | 25      | 12        | 17.87                    |                              | 0        |
|                                       | 25      | 25        | 18.06                    |                              | 0        |
|                                       | 50      | 0         | 17.88                    |                              | 0        |

**Note:** LTE Band 5 at 10 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

**Table 8-50**  
**LTE Band 5 Conducted Powers Ant 3 - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 5 (Cell)<br>5 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|--------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20425<br>(826.5 MHz)  | 20525<br>(836.5 MHz) | 20625<br>(846.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                 | 1       | 0         | 17.94                 | 18.15                | 18.11                | 0                            | 0        |
|                                      | 1       | 12        | 18.05                 | 18.13                | 18.04                |                              | 0        |
|                                      | 1       | 24        | 18.15                 | 18.25                | 17.86                |                              | 0        |
|                                      | 12      | 0         | 18.09                 | 18.08                | 18.24                | 0-1                          | 0        |
|                                      | 12      | 6         | 18.11                 | 18.09                | 18.17                |                              | 0        |
|                                      | 12      | 13        | 18.17                 | 18.11                | 18.02                |                              | 0        |
|                                      | 25      | 0         | 18.15                 | 18.11                | 18.18                |                              | 0        |
| 16QAM                                | 1       | 0         | 18.16                 | 18.27                | 18.19                | 0-1                          | 0        |
|                                      | 1       | 12        | 18.31                 | 18.30                | 18.15                |                              | 0        |
|                                      | 1       | 24        | 18.43                 | 18.30                | 18.04                |                              | 0        |
|                                      | 12      | 0         | 18.20                 | 18.07                | 18.28                | 0-2                          | 0        |
|                                      | 12      | 6         | 18.20                 | 18.09                | 18.22                |                              | 0        |
|                                      | 12      | 13        | 18.27                 | 18.13                | 18.05                |                              | 0        |
|                                      | 25      | 0         | 18.16                 | 18.13                | 18.21                |                              | 0        |
| 64QAM                                | 1       | 0         | 18.14                 | 18.23                | 18.37                | 0-2                          | 0        |
|                                      | 1       | 12        | 18.17                 | 18.18                | 18.33                |                              | 0        |
|                                      | 1       | 24        | 18.25                 | 18.31                | 18.17                |                              | 0        |
|                                      | 12      | 0         | 18.20                 | 18.07                | 18.27                | 0-3                          | 0        |
|                                      | 12      | 6         | 18.24                 | 18.09                | 18.22                |                              | 0        |
|                                      | 12      | 13        | 18.28                 | 18.12                | 18.03                |                              | 0        |
|                                      | 25      | 0         | 18.19                 | 18.12                | 18.17                |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 69 of 284                  |

**Table 8-51**  
**LTE Band 5 Conducted Powers Ant 3 - 3 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 5 (Cell)<br>3 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|--------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20415<br>(825.5 MHz)  | 20525<br>(836.5 MHz) | 20635<br>(847.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                 | 1       | 0         | 17.94                 | 17.96                | 18.12                | 0                            | 0        |
|                                      | 1       | 7         | 18.09                 | 18.02                | 18.00                |                              | 0        |
|                                      | 1       | 14        | 18.08                 | 18.02                | 17.87                |                              | 0        |
|                                      | 8       | 0         | 18.09                 | 18.05                | 18.17                | 0-1                          | 0        |
|                                      | 8       | 4         | 18.15                 | 18.07                | 18.09                |                              | 0        |
|                                      | 8       | 7         | 18.17                 | 18.12                | 17.98                |                              | 0        |
|                                      | 15      | 0         | 18.19                 | 18.11                | 18.11                |                              | 0        |
| 16QAM                                | 1       | 0         | 18.09                 | 18.14                | 18.25                | 0-1                          | 0        |
|                                      | 1       | 7         | 18.28                 | 18.27                | 18.27                |                              | 0        |
|                                      | 1       | 14        | 18.35                 | 18.15                | 18.08                |                              | 0        |
|                                      | 8       | 0         | 18.20                 | 18.15                | 18.26                | 0-2                          | 0        |
|                                      | 8       | 4         | 18.23                 | 18.11                | 18.16                |                              | 0        |
|                                      | 8       | 7         | 18.28                 | 18.24                | 18.00                |                              | 0        |
|                                      | 15      | 0         | 18.19                 | 18.18                | 18.13                |                              | 0        |
| 64QAM                                | 1       | 0         | 18.19                 | 18.12                | 18.50                | 0-2                          | 0        |
|                                      | 1       | 7         | 18.33                 | 18.30                | 18.42                |                              | 0        |
|                                      | 1       | 14        | 18.29                 | 18.31                | 18.23                |                              | 0        |
|                                      | 8       | 0         | 18.15                 | 18.13                | 18.25                | 0-3                          | 0        |
|                                      | 8       | 4         | 18.24                 | 18.13                | 18.13                |                              | 0        |
|                                      | 8       | 7         | 18.28                 | 18.21                | 18.05                |                              | 0        |
|                                      | 15      | 0         | 18.23                 | 18.15                | 18.15                |                              | 0        |

**Table 8-52**  
**LTE Band 5 Conducted Powers Ant 3 - 1.4 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 5 (Cell)<br>1.4 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|----------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 20407<br>(824.7 MHz)  | 20525<br>(836.5 MHz) | 20643<br>(848.3 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                   | 1       | 0         | 17.99                 | 18.06                | 18.11                | 0                            | 0        |
|                                        | 1       | 2         | 17.99                 | 18.04                | 18.00                |                              | 0        |
|                                        | 1       | 5         | 18.07                 | 18.04                | 18.06                |                              | 0        |
|                                        | 3       | 0         | 18.06                 | 18.11                | 17.91                |                              | 0        |
|                                        | 3       | 2         | 18.07                 | 18.11                | 17.89                |                              | 0        |
|                                        | 3       | 3         | 18.06                 | 18.11                | 17.96                |                              | 0        |
|                                        | 6       | 0         | 18.08                 | 18.10                | 17.90                | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 18.25                 | 18.40                | 18.36                | 0-1                          | 0        |
|                                        | 1       | 2         | 18.23                 | 18.32                | 18.07                |                              | 0        |
|                                        | 1       | 5         | 18.28                 | 18.30                | 18.07                |                              | 0        |
|                                        | 3       | 0         | 18.20                 | 18.09                | 18.08                |                              | 0        |
|                                        | 3       | 2         | 18.27                 | 18.18                | 17.95                |                              | 0        |
|                                        | 3       | 3         | 18.26                 | 18.22                | 18.10                |                              | 0        |
|                                        | 6       | 0         | 18.18                 | 18.15                | 17.91                | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 18.28                 | 18.23                | 18.18                | 0-2                          | 0        |
|                                        | 1       | 2         | 18.18                 | 18.21                | 18.06                |                              | 0        |
|                                        | 1       | 5         | 18.36                 | 18.30                | 17.99                |                              | 0        |
|                                        | 3       | 0         | 18.19                 | 18.16                | 18.04                |                              | 0        |
|                                        | 3       | 2         | 18.22                 | 18.13                | 17.99                |                              | 0        |
|                                        | 3       | 3         | 18.24                 | 18.13                | 18.06                |                              | 0        |
|                                        | 6       | 0         | 18.22                 | 18.09                | 17.98                | 0-3                          | 0        |

|                                         |                                                                                                   |                              |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> | Approved by:<br>Quality Manager |
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### 8.3.4

### LTE Band 26

**Table 8-53**  
**LTE Band 26 Conducted Powers Ant 1 - 10 MHz Bandwidth**

| LTE Band 26 (Cell)<br>10 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|----------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 26740<br>(819.0 MHz)  | 26865<br>(831.5 MHz) | 26990<br>(844.0 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                   | 1       | 0         | 20.45                 | 20.24                | 20.41                | 0                            | 0        |
|                                        | 1       | 25        | 20.42                 | 20.31                | 20.41                |                              | 0        |
|                                        | 1       | 49        | 20.36                 | 20.49                | 20.63                |                              | 0        |
|                                        | 25      | 0         | 20.39                 | 20.37                | 20.45                | 0-1                          | 0        |
|                                        | 25      | 12        | 20.45                 | 20.36                | 20.43                |                              | 0        |
|                                        | 25      | 25        | 20.56                 | 20.40                | 20.59                |                              | 0        |
|                                        | 50      | 0         | 20.40                 | 20.37                | 20.45                |                              | 0        |
|                                        | 50      | 0         | 20.40                 | 20.37                | 20.45                |                              | 0        |
| 16QAM                                  | 1       | 0         | 20.59                 | 20.46                | 20.47                | 0-1                          | 0        |
|                                        | 1       | 25        | 20.52                 | 20.54                | 20.47                |                              | 0        |
|                                        | 1       | 49        | 20.54                 | 20.66                | 20.64                |                              | 0        |
|                                        | 25      | 0         | 20.24                 | 20.18                | 20.24                | 0-2                          | 0        |
|                                        | 25      | 12        | 20.25                 | 20.20                | 20.24                |                              | 0        |
|                                        | 25      | 25        | 20.22                 | 20.20                | 20.36                |                              | 0        |
|                                        | 50      | 0         | 20.25                 | 20.18                | 20.23                |                              | 0        |
|                                        | 50      | 0         | 20.25                 | 20.18                | 20.23                |                              | 0        |
| 64QAM                                  | 1       | 0         | 20.43                 | 20.31                | 20.56                | 0-2                          | 0        |
|                                        | 1       | 25        | 20.58                 | 20.40                | 20.57                |                              | 0        |
|                                        | 1       | 49        | 20.55                 | 20.67                | 20.70                |                              | 0        |
|                                        | 25      | 0         | 20.21                 | 20.20                | 20.30                | 0-3                          | 0        |
|                                        | 25      | 12        | 20.24                 | 20.18                | 20.25                |                              | 0        |
|                                        | 25      | 25        | 20.25                 | 20.24                | 20.43                |                              | 0        |
|                                        | 50      | 0         | 20.26                 | 20.22                | 20.24                |                              | 0        |
|                                        | 50      | 0         | 20.26                 | 20.22                | 20.24                |                              | 0        |

**Table 8-54**  
**LTE Band 26 Conducted Powers Ant 1 - 5 MHz Bandwidth**

| LTE Band 26 (Cell)<br>5 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|---------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26715<br>(816.5 MHz)  | 26865<br>(831.5 MHz) | 27015<br>(846.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                  | 1       | 0         | 20.19                 | 19.96                | 20.33                | 0                            | 0        |
|                                       | 1       | 12        | 20.09                 | 20.07                | 20.39                |                              | 0        |
|                                       | 1       | 24        | 20.28                 | 20.16                | 20.56                |                              | 0        |
|                                       | 12      | 0         | 20.07                 | 20.01                | 20.30                | 0-1                          | 0        |
|                                       | 12      | 6         | 20.17                 | 20.05                | 20.34                |                              | 0        |
|                                       | 12      | 13        | 20.23                 | 20.15                | 20.41                |                              | 0        |
|                                       | 25      | 0         | 20.22                 | 20.13                | 20.36                |                              | 0        |
| 16QAM                                 | 1       | 0         | 20.60                 | 20.38                | 20.27                | 0-1                          | 0        |
|                                       | 1       | 12        | 20.52                 | 20.47                | 20.56                |                              | 0        |
|                                       | 1       | 24        | 20.59                 | 20.70                | 20.67                |                              | 0        |
|                                       | 12      | 0         | 20.04                 | 19.96                | 20.26                | 0-2                          | 0        |
|                                       | 12      | 6         | 20.14                 | 20.00                | 20.26                |                              | 0        |
|                                       | 12      | 13        | 20.17                 | 20.13                | 20.37                |                              | 0        |
|                                       | 25      | 0         | 20.11                 | 20.08                | 20.33                |                              | 0        |
| 64QAM                                 | 1       | 0         | 20.66                 | 20.35                | 20.59                | 0-2                          | 0        |
|                                       | 1       | 12        | 20.50                 | 20.36                | 20.70                |                              | 0        |
|                                       | 1       | 24        | 20.70                 | 20.57                | 20.69                |                              | 0        |
|                                       | 12      | 0         | 20.09                 | 19.92                | 20.22                | 0-3                          | 0        |
|                                       | 12      | 6         | 20.13                 | 20.01                | 20.22                |                              | 0        |
|                                       | 12      | 13        | 20.25                 | 20.11                | 20.31                |                              | 0        |
|                                       | 25      | 0         | 20.18                 | 20.09                | 20.29                |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 71 of 284                  |

**Table 8-55**  
**LTE Band 26 Conducted Powers Ant 1 - 3 MHz Bandwidth**

| LTE Band 26 (Cell)<br>3 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|---------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26705<br>(815.5 MHz)  | 26865<br>(831.5 MHz) | 27025<br>(847.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                  | 1       | 0         | 20.17                 | 19.93                | 20.30                | 0                            | 0        |
|                                       | 1       | 7         | 20.05                 | 20.10                | 20.38                |                              | 0        |
|                                       | 1       | 14        | 20.07                 | 20.07                | 20.42                |                              | 0        |
|                                       | 8       | 0         | 20.10                 | 20.07                | 20.26                | 0-1                          | 0        |
|                                       | 8       | 4         | 19.98                 | 20.11                | 20.33                |                              | 0        |
|                                       | 8       | 7         | 20.04                 | 20.12                | 20.42                |                              | 0        |
| 16QAM                                 | 15      | 0         | 20.04                 | 20.14                | 20.32                | 0                            | 0        |
|                                       | 1       | 0         | 20.58                 | 20.36                | 20.68                |                              | 0        |
|                                       | 1       | 7         | 20.49                 | 20.47                | 20.70                |                              | 0-1      |
|                                       | 1       | 14        | 20.46                 | 20.41                | 20.67                | 0                            |          |
|                                       | 8       | 0         | 20.18                 | 20.16                | 20.31                | 0-2                          |          |
|                                       | 8       | 4         | 20.04                 | 20.17                | 20.41                |                              | 0        |
|                                       | 8       | 7         | 20.05                 | 20.20                | 20.49                |                              | 0        |
|                                       | 15      | 0         | 20.06                 | 20.20                | 20.37                | 0                            |          |
|                                       | 64QAM   | 1         | 0                     | 20.49                | 20.27                | 20.66                        | 0-2      |
| 1                                     |         | 7         | 20.40                 | 20.46                | 20.58                | 0                            |          |
| 1                                     |         | 14        | 20.35                 | 20.40                | 20.70                | 0                            |          |
| 8                                     |         | 0         | 20.16                 | 20.13                | 20.29                | 0-3                          | 0        |
| 8                                     |         | 4         | 20.00                 | 20.14                | 20.36                |                              | 0        |
| 8                                     |         | 7         | 20.10                 | 20.12                | 20.47                |                              | 0        |
| 15                                    |         | 0         | 20.01                 | 20.18                | 20.35                |                              | 0        |

**Table 8-56**  
**LTE Band 26 Conducted Powers Ant 1 – 1.4 MHz Bandwidth**

| LTE Band 26 (Cell)<br>1.4 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|-----------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                              | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                         |         |           | 26697<br>(814.7 MHz)  | 26865<br>(831.5 MHz) | 27033<br>(848.3 MHz) |                              |          |
|                                         |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                    | 1       | 0         | 20.25                 | 20.04                | 20.39                | 0                            | 0        |
|                                         | 1       | 2         | 20.16                 | 20.01                | 20.46                |                              | 0        |
|                                         | 1       | 5         | 20.10                 | 20.09                | 20.44                |                              | 0        |
|                                         | 3       | 0         | 20.16                 | 20.06                | 20.37                |                              | 0        |
|                                         | 3       | 2         | 20.14                 | 20.12                | 20.39                |                              | 0        |
|                                         | 3       | 3         | 20.15                 | 20.12                | 20.39                |                              | 0        |
| 16QAM                                   | 6       | 0         | 20.14                 | 20.12                | 20.45                | 0-1                          | 0        |
|                                         | 1       | 0         | 20.66                 | 20.48                | 20.68                | 0-1                          | 0        |
|                                         | 1       | 2         | 20.46                 | 20.37                | 20.70                |                              | 0        |
|                                         | 1       | 5         | 20.49                 | 20.47                | 20.69                |                              | 0        |
|                                         | 3       | 0         | 20.18                 | 20.23                | 20.45                |                              | 0        |
|                                         | 3       | 2         | 20.18                 | 20.24                | 20.63                |                              | 0        |
| 3                                       | 3       | 20.34     | 20.30                 | 20.55                | 0                    |                              |          |
| 64QAM                                   | 6       | 0         | 20.17                 | 20.18                | 20.50                | 0-2                          | 0        |
|                                         | 1       | 0         | 20.69                 | 20.41                | 20.70                | 0-2                          | 0        |
|                                         | 1       | 2         | 20.39                 | 20.32                | 20.69                |                              | 0        |
|                                         | 1       | 5         | 20.35                 | 20.53                | 20.66                |                              | 0        |
|                                         | 3       | 0         | 20.25                 | 20.25                | 20.57                |                              | 0        |
|                                         | 3       | 2         | 20.13                 | 20.28                | 20.61                |                              | 0        |
| 3                                       | 3       | 20.31     | 20.17                 | 20.56                | 0                    |                              |          |
| 64QAM                                   | 6       | 0         | 20.18                 | 20.20                | 20.54                | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |                |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|----------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |                | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 72 of 284 |                                 |

**Table 8-57**  
**LTE Band 26 Conducted Powers Ant 3 - 10 MHz Bandwidth**

| LTE Band 26 (Cell)<br>10 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|----------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 26740<br>(819.0 MHz)  | 26865<br>(831.5 MHz) | 26990<br>(844.0 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                   | 1       | 0         | 20.85                 | 20.79                | 20.79                | 0                            | 0        |
|                                        | 1       | 25        | 20.75                 | 20.74                | 20.82                |                              | 0        |
|                                        | 1       | 49        | 20.84                 | 20.62                | 20.70                |                              | 0        |
|                                        | 25      | 0         | 20.79                 | 20.81                | 20.85                | 0-1                          | 0        |
|                                        | 25      | 12        | 20.78                 | 20.78                | 20.84                |                              | 0        |
|                                        | 25      | 25        | 20.84                 | 20.74                | 20.87                |                              | 0        |
|                                        | 50      | 0         | 20.80                 | 20.81                | 20.80                |                              | 0        |
|                                        | 50      | 0         | 20.81                 | 20.87                | 20.86                |                              | 0        |
| 16QAM                                  | 1       | 0         | 20.81                 | 20.79                | 20.80                | 0-1                          | 0        |
|                                        | 1       | 25        | 20.64                 | 20.79                | 20.80                |                              | 0        |
|                                        | 1       | 49        | 20.81                 | 20.64                | 20.76                |                              | 0        |
|                                        | 25      | 0         | 20.50                 | 20.54                | 20.56                | 0-2                          | 0        |
|                                        | 25      | 12        | 20.51                 | 20.53                | 20.58                |                              | 0        |
|                                        | 25      | 25        | 20.55                 | 20.50                | 20.59                |                              | 0        |
|                                        | 50      | 0         | 20.50                 | 20.50                | 20.59                |                              | 0        |
|                                        | 50      | 0         | 20.50                 | 20.50                | 20.59                |                              | 0        |
| 64QAM                                  | 1       | 0         | 20.85                 | 20.87                | 20.85                | 0-2                          | 0        |
|                                        | 1       | 25        | 20.74                 | 20.68                | 20.80                |                              | 0        |
|                                        | 1       | 49        | 20.86                 | 20.53                | 20.60                |                              | 0        |
|                                        | 25      | 0         | 20.51                 | 20.52                | 20.56                | 0-3                          | 0        |
|                                        | 25      | 12        | 20.50                 | 20.53                | 20.59                |                              | 0        |
|                                        | 25      | 25        | 20.57                 | 20.50                | 20.59                |                              | 0        |
|                                        | 50      | 0         | 20.56                 | 20.51                | 20.58                |                              | 0        |
|                                        | 50      | 0         | 20.56                 | 20.51                | 20.58                |                              | 0        |

**Table 8-58**  
**LTE Band 26 Conducted Powers Ant 3 - 5 MHz Bandwidth**

| LTE Band 26 (Cell)<br>5 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|---------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26715<br>(816.5 MHz)  | 26865<br>(831.5 MHz) | 27015<br>(846.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                  | 1       | 0         | 20.90                 | 20.73                | 20.84                | 0                            | 0        |
|                                       | 1       | 12        | 20.64                 | 20.68                | 20.74                |                              | 0        |
|                                       | 1       | 24        | 20.58                 | 20.57                | 20.57                |                              | 0        |
|                                       | 12      | 0         | 20.84                 | 20.86                | 20.90                | 0-1                          | 0        |
|                                       | 12      | 6         | 20.69                 | 20.81                | 20.82                |                              | 0        |
|                                       | 12      | 13        | 20.64                 | 20.75                | 20.65                |                              | 0        |
|                                       | 25      | 0         | 20.70                 | 20.82                | 20.84                |                              | 0        |
|                                       | 25      | 0         | 20.98                 | 20.97                | 20.99                |                              | 0        |
| 16QAM                                 | 1       | 0         | 20.76                 | 20.85                | 20.68                | 0-1                          | 0        |
|                                       | 1       | 12        | 20.67                 | 20.74                | 20.65                |                              | 0        |
|                                       | 1       | 24        | 20.67                 | 20.67                | 20.72                |                              | 0        |
|                                       | 12      | 0         | 20.67                 | 20.67                | 20.72                | 0-2                          | 0        |
|                                       | 12      | 6         | 20.55                 | 20.60                | 20.62                |                              | 0        |
|                                       | 12      | 13        | 20.50                 | 20.51                | 20.51                |                              | 0        |
|                                       | 25      | 0         | 20.52                 | 20.58                | 20.61                |                              | 0        |
|                                       | 25      | 0         | 20.99                 | 20.80                | 20.98                |                              | 0        |
| 64QAM                                 | 1       | 0         | 20.86                 | 20.73                | 20.95                | 0-2                          | 0        |
|                                       | 1       | 12        | 20.80                 | 20.75                | 20.71                |                              | 0        |
|                                       | 1       | 24        | 20.80                 | 20.75                | 20.71                |                              | 0        |
|                                       | 12      | 0         | 20.65                 | 20.60                | 20.69                | 0-3                          | 0        |
|                                       | 12      | 6         | 20.55                 | 20.53                | 20.58                |                              | 0        |
|                                       | 12      | 13        | 20.52                 | 20.53                | 20.52                |                              | 0        |
|                                       | 25      | 0         | 20.51                 | 20.60                | 20.58                |                              | 0        |
|                                       | 25      | 0         | 20.51                 | 20.60                | 20.58                |                              | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 73 of 284                  |

**Table 8-59**  
**LTE Band 26 Conducted Powers Ant 3 - 3 MHz Bandwidth**

| LTE Band 26 (Cell)<br>3 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|---------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26705<br>(815.5 MHz)  | 26865<br>(831.5 MHz) | 27025<br>(847.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                  | 1       | 0         | 20.95                 | 20.68                | 20.77                | 0                            | 0        |
|                                       | 1       | 7         | 20.88                 | 20.70                | 20.65                |                              | 0        |
|                                       | 1       | 14        | 20.69                 | 20.57                | 20.52                |                              | 0        |
|                                       | 8       | 0         | 20.92                 | 20.85                | 20.74                | 0-1                          | 0        |
|                                       | 8       | 4         | 20.82                 | 20.79                | 20.67                |                              | 0        |
|                                       | 8       | 7         | 20.75                 | 20.78                | 20.56                |                              | 0        |
|                                       | 15      | 0         | 20.86                 | 20.80                | 20.72                |                              | 0        |
| 16QAM                                 | 1       | 0         | 20.91                 | 20.87                | 20.83                | 0-1                          | 0        |
|                                       | 1       | 7         | 20.84                 | 20.91                | 20.61                |                              | 0        |
|                                       | 1       | 14        | 20.62                 | 20.72                | 20.62                |                              | 0        |
|                                       | 8       | 0         | 20.79                 | 20.77                | 20.55                | 0-2                          | 0        |
|                                       | 8       | 4         | 20.75                 | 20.69                | 20.53                |                              | 0        |
|                                       | 8       | 7         | 20.51                 | 20.62                | 20.50                |                              | 0        |
|                                       | 15      | 0         | 20.68                 | 20.66                | 20.50                |                              | 0        |
| 64QAM                                 | 1       | 0         | 20.97                 | 20.78                | 20.77                | 0-2                          | 0        |
|                                       | 1       | 7         | 20.94                 | 20.69                | 20.67                |                              | 0        |
|                                       | 1       | 14        | 20.73                 | 20.58                | 20.52                |                              | 0        |
|                                       | 8       | 0         | 20.75                 | 20.72                | 20.59                | 0-3                          | 0        |
|                                       | 8       | 4         | 20.68                 | 20.61                | 20.56                |                              | 0        |
|                                       | 8       | 7         | 20.56                 | 20.56                | 20.50                |                              | 0        |
|                                       | 15      | 0         | 20.68                 | 20.66                | 20.51                |                              | 0        |

**Table 8-60**  
**LTE Band 26 Conducted Powers Ant 3 – 1.4 MHz Bandwidth**

| LTE Band 26 (Cell)<br>1.4 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|-----------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                              | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                         |         |           | 26697<br>(814.7 MHz)  | 26865<br>(831.5 MHz) | 27033<br>(848.3 MHz) |                              |          |
|                                         |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                    | 1       | 0         | 20.82                 | 20.66                | 20.69                | 0                            | 0        |
|                                         | 1       | 2         | 20.78                 | 20.63                | 20.56                |                              | 0        |
|                                         | 1       | 5         | 20.72                 | 20.66                | 20.62                |                              | 0        |
|                                         | 3       | 0         | 20.72                 | 20.61                | 20.66                |                              | 0        |
|                                         | 3       | 2         | 20.70                 | 20.59                | 20.62                |                              | 0        |
|                                         | 3       | 3         | 20.71                 | 20.59                | 20.69                |                              | 0        |
|                                         | 6       | 0         | 20.74                 | 20.58                | 20.65                | 0-1                          | 0        |
| 16QAM                                   | 1       | 0         | 20.88                 | 20.82                | 20.95                | 0-1                          | 0        |
|                                         | 1       | 2         | 20.85                 | 20.78                | 20.60                |                              | 0        |
|                                         | 1       | 5         | 20.76                 | 20.84                | 20.96                |                              | 0        |
|                                         | 3       | 0         | 20.67                 | 20.52                | 20.50                |                              | 0        |
|                                         | 3       | 2         | 20.68                 | 20.61                | 20.50                |                              | 0        |
|                                         | 3       | 3         | 20.67                 | 20.51                | 20.58                |                              | 0        |
|                                         | 6       | 0         | 20.55                 | 20.64                | 20.50                | 0-2                          | 0        |
| 64QAM                                   | 1       | 0         | 20.93                 | 20.81                | 20.74                | 0-2                          | 0        |
|                                         | 1       | 2         | 20.92                 | 20.78                | 20.64                |                              | 0        |
|                                         | 1       | 5         | 20.90                 | 20.77                | 20.73                |                              | 0        |
|                                         | 3       | 0         | 20.56                 | 20.64                | 20.50                |                              | 0        |
|                                         | 3       | 2         | 20.57                 | 20.54                | 20.51                |                              | 0        |
|                                         | 3       | 3         | 20.65                 | 20.64                | 20.61                |                              | 0        |
|                                         | 6       | 0         | 20.64                 | 20.62                | 20.50                | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 74 of 284                  |

### 8.3.5

### LTE Band 4

**Table 8-61**  
**LTE Band 4 Conducted Powers Ant 2a - 20 MHz Bandwidth**

| LTE Band 4 (AWS)<br>20 MHz Bandwidth |         |           |                          |                              |          |
|--------------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20175<br>(1732.5 MHz)    |                              |          |
|                                      |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                                 | 1       | 0         | 14.67                    | 0                            | 0        |
|                                      | 1       | 50        | 14.69                    |                              | 0        |
|                                      | 1       | 99        | 14.70                    |                              | 0        |
|                                      | 50      | 0         | 14.72                    | 0-1                          | 0        |
|                                      | 50      | 25        | 14.65                    |                              | 0        |
|                                      | 50      | 50        | 14.77                    |                              | 0        |
|                                      | 100     | 0         | 14.65                    |                              | 0        |
| 16QAM                                | 1       | 0         | 14.71                    | 0-1                          | 0        |
|                                      | 1       | 50        | 14.80                    |                              | 0        |
|                                      | 1       | 99        | 14.90                    |                              | 0        |
|                                      | 50      | 0         | 14.52                    | 0-2                          | 0        |
|                                      | 50      | 25        | 14.39                    |                              | 0        |
|                                      | 50      | 50        | 14.60                    |                              | 0        |
|                                      | 100     | 0         | 14.43                    |                              | 0        |
| 64QAM                                | 1       | 0         | 14.66                    | 0-2                          | 0        |
|                                      | 1       | 50        | 14.62                    |                              | 0        |
|                                      | 1       | 99        | 14.67                    |                              | 0        |
|                                      | 50      | 0         | 14.16                    | 0-3                          | 0        |
|                                      | 50      | 25        | 14.28                    |                              | 0        |
|                                      | 50      | 50        | 14.39                    |                              | 0        |
|                                      | 100     | 0         | 14.31                    |                              | 0        |

**Note:** LTE Band 4 at 20 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

**Table 8-62**  
**LTE Band 4 Conducted Powers Ant 2a - 15 MHz Bandwidth**

| LTE Band 4 (AWS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20025<br>(1717.5 MHz) | 20175<br>(1732.5 MHz) | 20325<br>(1747.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 14.88                 | 14.37                 | 14.70                 | 0                            | 0        |
|                                      | 1       | 36        | 14.74                 | 14.39                 | 14.70                 |                              | 0        |
|                                      | 1       | 74        | 14.45                 | 14.53                 | 14.47                 |                              | 0        |
|                                      | 36      | 0         | 14.86                 | 14.30                 | 14.66                 | 0-1                          | 0        |
|                                      | 36      | 18        | 14.66                 | 14.41                 | 14.68                 |                              | 0        |
|                                      | 36      | 37        | 14.53                 | 14.51                 | 14.61                 |                              | 0        |
|                                      | 75      | 0         | 14.64                 | 14.38                 | 14.63                 |                              | 0        |
| 16QAM                                | 1       | 0         | 14.77                 | 14.43                 | 14.84                 | 0-1                          | 0        |
|                                      | 1       | 36        | 14.55                 | 14.50                 | 14.89                 |                              | 0        |
|                                      | 1       | 74        | 14.35                 | 14.69                 | 14.62                 |                              | 0        |
|                                      | 36      | 0         | 14.60                 | 14.27                 | 14.43                 | 0-2                          | 0        |
|                                      | 36      | 18        | 14.41                 | 14.22                 | 14.46                 |                              | 0        |
|                                      | 36      | 37        | 14.29                 | 14.30                 | 14.39                 |                              | 0        |
|                                      | 75      | 0         | 14.38                 | 14.37                 | 14.41                 |                              | 0        |
| 64QAM                                | 1       | 0         | 14.86                 | 14.40                 | 14.69                 | 0-2                          | 0        |
|                                      | 1       | 36        | 14.73                 | 14.34                 | 14.63                 |                              | 0        |
|                                      | 1       | 74        | 14.43                 | 14.58                 | 14.41                 |                              | 0        |
|                                      | 36      | 0         | 14.60                 | 14.26                 | 14.34                 | 0-3                          | 0        |
|                                      | 36      | 18        | 14.39                 | 14.20                 | 14.38                 |                              | 0        |
|                                      | 36      | 37        | 14.28                 | 14.34                 | 14.35                 |                              | 0        |
|                                      | 75      | 0         | 14.38                 | 14.22                 | 14.37                 |                              | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 75 of 284                  |

**Table 8-63**  
**LTE Band 4 Conducted Powers Ant 2a - 10 MHz Bandwidth**

| LTE Band 4 (AWS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |   |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|---|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |   |
|                                      |         |           | 20000<br>(1715.0 MHz) | 20175<br>(1732.5 MHz) | 20350<br>(1750.0 MHz) |                              |          |   |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |   |
| QPSK                                 | 1       | 0         | 14.85                 | 14.36                 | 14.60                 | 0                            | 0        |   |
|                                      | 1       | 25        | 14.76                 | 14.38                 | 14.60                 |                              | 0        |   |
|                                      | 1       | 49        | 14.62                 | 14.58                 | 14.52                 |                              | 0        |   |
|                                      | 25      | 0         | 14.88                 | 14.40                 | 14.59                 | 0-1                          | 0        |   |
|                                      | 25      | 12        | 14.82                 | 14.42                 | 14.58                 |                              | 0        |   |
|                                      | 25      | 25        | 14.65                 | 14.51                 | 14.50                 |                              | 0        |   |
| 16QAM                                | 50      | 0         | 14.76                 | 14.42                 | 14.57                 | 0                            | 0        |   |
|                                      | 1       | 0         | 14.87                 | 14.40                 | 14.83                 |                              | 0-1      | 0 |
|                                      | 1       | 25        | 14.85                 | 14.48                 | 14.72                 |                              |          | 0 |
|                                      | 1       | 49        | 14.66                 | 14.74                 | 14.57                 | 0-2                          |          | 0 |
|                                      | 25      | 0         | 14.69                 | 14.21                 | 14.38                 |                              | 0        |   |
|                                      | 25      | 12        | 14.56                 | 14.21                 | 14.38                 |                              | 0        |   |
| 64QAM                                | 25      | 25        | 14.39                 | 14.31                 | 14.28                 | 0                            | 0        |   |
|                                      | 50      | 0         | 14.53                 | 14.19                 | 14.37                 |                              | 0        |   |
|                                      | 1       | 0         | 14.83                 | 14.31                 | 14.57                 |                              | 0-2      | 0 |
|                                      | 1       | 25        | 14.73                 | 14.29                 | 14.60                 | 0                            |          |   |
|                                      | 1       | 49        | 14.61                 | 14.65                 | 14.33                 | 0                            |          |   |
|                                      | 25      | 0         | 14.61                 | 14.12                 | 14.35                 | 0-3                          | 0        |   |
| 25                                   | 12      | 14.55     | 14.18                 | 14.34                 | 0                     |                              |          |   |
| 25                                   | 25      | 14.38     | 14.26                 | 14.28                 | 0                     |                              |          |   |
|                                      | 50      | 0         | 14.49                 | 14.20                 | 14.39                 |                              | 0        |   |

**Table 8-64**  
**LTE Band 4 Conducted Powers Ant 2a - 5 MHz Bandwidth**

| LTE Band 4 (AWS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |     |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|-----|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |     |
|                                     |         |           | 19975<br>(1712.5 MHz) | 20175<br>(1732.5 MHz) | 20375<br>(1752.5 MHz) |                              |          |     |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |     |
| QPSK                                | 1       | 0         | 14.74                 | 14.28                 | 14.63                 | 0                            | 0        |     |
|                                     | 1       | 12        | 14.75                 | 14.29                 | 14.53                 |                              | 0        |     |
|                                     | 1       | 24        | 14.67                 | 14.41                 | 14.47                 |                              | 0        |     |
|                                     | 12      | 0         | 14.86                 | 14.29                 | 14.63                 | 0-1                          | 0        |     |
|                                     | 12      | 6         | 14.86                 | 14.35                 | 14.57                 |                              | 0        |     |
|                                     | 12      | 13        | 14.83                 | 14.39                 | 14.55                 |                              | 0        |     |
| 16QAM                               | 25      | 0         | 14.90                 | 14.37                 | 14.58                 | 0                            | 0        |     |
|                                     | 1       | 0         | 14.88                 | 14.63                 | 14.57                 |                              | 0-1      | 0   |
|                                     | 1       | 12        | 14.87                 | 14.63                 | 14.31                 | 0                            |          |     |
|                                     | 1       | 24        | 14.85                 | 14.69                 | 14.34                 | 0-2                          |          | 0   |
|                                     | 12      | 0         | 14.60                 | 14.21                 | 14.32                 |                              | 0        |     |
|                                     | 12      | 6         | 14.60                 | 14.18                 | 14.25                 |                              | 0        |     |
| 64QAM                               | 12      | 13        | 14.56                 | 14.28                 | 14.16                 | 0                            | 0        |     |
|                                     | 25      | 0         | 14.62                 | 14.24                 | 14.22                 |                              | 0-2      | 0   |
|                                     | 1       | 0         | 14.85                 | 14.53                 | 14.71                 |                              |          | 0-2 |
|                                     | 1       | 12        | 14.86                 | 14.55                 | 14.53                 | 0                            |          |     |
|                                     | 1       | 24        | 14.84                 | 14.62                 | 14.52                 | 0-3                          | 0        |     |
|                                     | 12      | 0         | 14.61                 | 14.12                 | 14.34                 |                              | 0        |     |
| 12                                  | 6       | 14.56     | 14.16                 | 14.21                 | 0                     |                              |          |     |
| 64QAM                               | 12      | 13        | 14.56                 | 14.14                 | 14.30                 | 0-3                          | 0        |     |
|                                     | 25      | 0         | 14.60                 | 14.24                 | 14.32                 |                              | 0        |     |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 76 of 284                         |

**Table 8-65**  
**LTE Band 4 Conducted Powers Ant 2a - 3 MHz Bandwidth**

| LTE Band 4 (AWS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 19965<br>(1711.5 MHz) | 20175<br>(1732.5 MHz) | 20385<br>(1753.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 14.72                 | 14.33                 | 14.40                 | 0                            | 0        |
|                                     | 1       | 7         | 14.74                 | 14.41                 | 14.43                 |                              | 0        |
|                                     | 1       | 14        | 14.75                 | 14.38                 | 14.31                 |                              | 0        |
|                                     | 8       | 0         | 14.76                 | 14.39                 | 14.51                 | 0-1                          | 0        |
|                                     | 8       | 4         | 14.75                 | 14.35                 | 14.46                 |                              | 0        |
|                                     | 8       | 7         | 14.76                 | 14.42                 | 14.47                 |                              | 0        |
|                                     | 15      | 0         | 14.77                 | 14.38                 | 14.50                 | 0                            |          |
| 16QAM                               | 1       | 0         | 14.87                 | 14.45                 | 14.47                 | 0-1                          | 0        |
|                                     | 1       | 7         | 14.89                 | 14.61                 | 14.52                 |                              | 0        |
|                                     | 1       | 14        | 14.84                 | 14.54                 | 14.35                 |                              | 0        |
|                                     | 8       | 0         | 14.56                 | 14.18                 | 14.17                 | 0-2                          | 0        |
|                                     | 8       | 4         | 14.56                 | 14.19                 | 14.23                 |                              | 0        |
|                                     | 8       | 7         | 14.52                 | 14.28                 | 14.29                 |                              | 0        |
|                                     | 15      | 0         | 14.67                 | 14.21                 | 14.22                 | 0                            |          |
| 64QAM                               | 1       | 0         | 14.71                 | 14.58                 | 14.29                 | 0-2                          | 0        |
|                                     | 1       | 7         | 14.65                 | 14.37                 | 14.48                 |                              | 0        |
|                                     | 1       | 14        | 14.85                 | 14.48                 | 14.36                 |                              | 0        |
|                                     | 8       | 0         | 14.54                 | 14.26                 | 14.34                 | 0-3                          | 0        |
|                                     | 8       | 4         | 14.53                 | 14.27                 | 14.20                 |                              | 0        |
|                                     | 8       | 7         | 14.61                 | 14.23                 | 14.31                 |                              | 0        |
|                                     | 15      | 0         | 14.61                 | 14.22                 | 14.26                 | 0                            |          |

**Table 8-66**  
**LTE Band 4 Conducted Powers Ant 2a - 1.4 MHz Bandwidth**

| LTE Band 4 (AWS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 19957<br>(1710.7 MHz) | 20175<br>(1732.5 MHz) | 20393<br>(1754.3 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 14.76                 | 14.44                 | 14.46                 | 0                            | 0        |
|                                       | 1       | 2         | 14.74                 | 14.43                 | 14.44                 |                              | 0        |
|                                       | 1       | 5         | 14.75                 | 14.43                 | 14.43                 |                              | 0        |
|                                       | 3       | 0         | 14.62                 | 14.39                 | 14.43                 |                              | 0        |
|                                       | 3       | 2         | 14.62                 | 14.36                 | 14.44                 |                              | 0        |
|                                       | 3       | 3         | 14.62                 | 14.37                 | 14.40                 |                              | 0        |
|                                       | 6       | 0         | 14.69                 | 14.40                 | 14.42                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 14.87                 | 14.65                 | 14.60                 | 0-1                          | 0        |
|                                       | 1       | 2         | 14.90                 | 14.58                 | 14.68                 |                              | 0        |
|                                       | 1       | 5         | 14.86                 | 14.53                 | 14.60                 |                              | 0        |
|                                       | 3       | 0         | 14.70                 | 14.20                 | 14.36                 |                              | 0        |
|                                       | 3       | 2         | 14.67                 | 14.21                 | 14.34                 |                              | 0        |
|                                       | 3       | 3         | 14.64                 | 14.16                 | 14.24                 |                              | 0        |
|                                       | 6       | 0         | 14.58                 | 14.16                 | 14.25                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 14.90                 | 14.53                 | 14.76                 | 0-2                          | 0        |
|                                       | 1       | 2         | 14.87                 | 14.50                 | 14.85                 |                              | 0        |
|                                       | 1       | 5         | 14.86                 | 14.62                 | 14.70                 |                              | 0        |
|                                       | 3       | 0         | 14.71                 | 14.27                 | 14.30                 |                              | 0        |
|                                       | 3       | 2         | 14.58                 | 14.24                 | 14.40                 |                              | 0        |
|                                       | 3       | 3         | 14.60                 | 14.30                 | 14.27                 |                              | 0        |
|                                       | 6       | 0         | 14.60                 | 14.22                 | 14.23                 | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 77 of 284                  |

**Table 8-67**  
**LTE Band 4 Conducted Powers Ant 2a - 20 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>20 MHz Bandwidth |         |           |                          |                              |          |
|--------------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20175<br>(1732.5 MHz)    |                              |          |
|                                      |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                                 | 1       | 0         | 11.66                    | 0                            | 0        |
|                                      | 1       | 50        | 11.67                    |                              | 0        |
|                                      | 1       | 99        | 11.84                    |                              | 0        |
|                                      | 50      | 0         | 11.80                    | 0-1                          | 0        |
|                                      | 50      | 25        | 11.75                    |                              | 0        |
|                                      | 50      | 50        | 11.89                    |                              | 0        |
| 16QAM                                | 100     | 0         | 11.74                    | 0-1                          | 0        |
|                                      | 1       | 0         | 11.68                    |                              | 0        |
|                                      | 1       | 50        | 11.71                    |                              | 0        |
|                                      | 1       | 99        | 11.84                    | 0-2                          | 0        |
|                                      | 50      | 0         | 11.56                    |                              | 0        |
|                                      | 50      | 25        | 11.47                    |                              | 0        |
| 64QAM                                | 50      | 50        | 11.57                    | 0-2                          | 0        |
|                                      | 100     | 0         | 11.53                    |                              | 0        |
|                                      | 1       | 0         | 11.58                    | 0-3                          | 0        |
|                                      | 1       | 50        | 11.63                    |                              | 0        |
|                                      | 1       | 99        | 11.80                    |                              | 0        |
|                                      | 50      | 0         | 11.56                    | 0-3                          | 0        |
|                                      | 50      | 25        | 11.49                    |                              | 0        |
|                                      | 50      | 50        | 11.67                    |                              | 0        |
|                                      | 100     | 0         | 11.46                    |                              | 0        |

**Note:** LTE Band 4 at 20 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

**Table 8-68**  
**LTE Band 4 Conducted Powers Ant 2a - 15 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20025<br>(1717.5 MHz) | 20175<br>(1732.5 MHz) | 20325<br>(1747.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 11.69                 | 11.41                 | 11.52                 | 0                            | 0        |
|                                      | 1       | 36        | 11.55                 | 11.45                 | 11.52                 |                              | 0        |
|                                      | 1       | 74        | 11.39                 | 11.67                 | 11.35                 |                              | 0        |
|                                      | 36      | 0         | 11.66                 | 11.43                 | 11.61                 | 0-1                          | 0        |
|                                      | 36      | 18        | 11.47                 | 11.53                 | 11.61                 |                              | 0        |
|                                      | 36      | 37        | 11.36                 | 11.64                 | 11.58                 |                              | 0        |
|                                      | 75      | 0         | 11.47                 | 11.51                 | 11.62                 |                              | 0        |
| 16QAM                                | 1       | 0         | 11.77                 | 11.54                 | 11.57                 | 0-1                          | 0        |
|                                      | 1       | 36        | 11.73                 | 11.57                 | 11.76                 |                              | 0        |
|                                      | 1       | 74        | 11.49                 | 11.79                 | 11.28                 |                              | 0        |
|                                      | 36      | 0         | 11.68                 | 11.44                 | 11.59                 | 0-2                          | 0        |
|                                      | 36      | 18        | 11.52                 | 11.51                 | 11.63                 |                              | 0        |
|                                      | 36      | 37        | 11.39                 | 11.64                 | 11.61                 |                              | 0        |
|                                      | 75      | 0         | 11.48                 | 11.49                 | 11.61                 |                              | 0        |
| 64QAM                                | 1       | 0         | 11.73                 | 11.63                 | 11.47                 | 0-2                          | 0        |
|                                      | 1       | 36        | 11.55                 | 11.61                 | 11.83                 |                              | 0        |
|                                      | 1       | 74        | 11.33                 | 11.89                 | 11.32                 |                              | 0        |
|                                      | 36      | 0         | 11.66                 | 11.46                 | 11.41                 | 0-3                          | 0        |
|                                      | 36      | 18        | 11.49                 | 11.55                 | 11.45                 |                              | 0        |
|                                      | 36      | 37        | 11.38                 | 11.65                 | 11.39                 |                              | 0        |
|                                      | 75      | 0         | 11.48                 | 11.49                 | 11.40                 |                              | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 78 of 284                  |

**Table 8-69**  
**LTE Band 4 Conducted Powers Ant 2a - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20000<br>(1715.0 MHz) | 20175<br>(1732.5 MHz) | 20350<br>(1750.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 11.73                 | 11.30                 | 11.50                 | 0                            | 0        |
|                                      | 1       | 25        | 11.63                 | 11.32                 | 11.48                 |                              | 0        |
|                                      | 1       | 49        | 11.50                 | 11.51                 | 11.38                 |                              | 0        |
|                                      | 25      | 0         | 11.88                 | 11.42                 | 11.59                 | 0-1                          | 0        |
|                                      | 25      | 12        | 11.79                 | 11.40                 | 11.55                 |                              | 0        |
|                                      | 25      | 25        | 11.66                 | 11.51                 | 11.46                 |                              | 0        |
| 50                                   | 0       | 11.71     | 11.42                 | 11.58                 | 0                     |                              |          |
| 16QAM                                | 1       | 0         | 11.87                 | 11.42                 | 11.60                 | 0-1                          | 0        |
|                                      | 1       | 25        | 11.76                 | 11.52                 | 11.51                 |                              | 0        |
|                                      | 1       | 49        | 11.65                 | 11.66                 | 11.48                 |                              | 0        |
|                                      | 25      | 0         | 11.90                 | 11.41                 | 11.62                 | 0-2                          | 0        |
|                                      | 25      | 12        | 11.84                 | 11.40                 | 11.58                 |                              | 0        |
|                                      | 25      | 25        | 11.67                 | 11.51                 | 11.49                 |                              | 0        |
| 50                                   | 0       | 11.72     | 11.43                 | 11.60                 | 0                     |                              |          |
| 64QAM                                | 1       | 0         | 11.72                 | 11.62                 | 11.54                 | 0-2                          | 0        |
|                                      | 1       | 25        | 11.53                 | 11.60                 | 11.79                 |                              | 0        |
|                                      | 1       | 49        | 11.41                 | 11.75                 | 11.63                 |                              | 0        |
|                                      | 25      | 0         | 11.70                 | 11.42                 | 11.62                 | 0-3                          | 0        |
|                                      | 25      | 12        | 11.64                 | 11.41                 | 11.59                 |                              | 0        |
|                                      | 25      | 25        | 11.48                 | 11.52                 | 11.51                 |                              | 0        |
| 50                                   | 0       | 11.55     | 11.43                 | 11.60                 | 0                     |                              |          |

**Table 8-70**  
**LTE Band 4 Conducted Powers Ant 2a - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 19975<br>(1712.5 MHz) | 20175<br>(1732.5 MHz) | 20375<br>(1752.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 11.69                 | 11.63                 | 11.66                 | 0                            | 0        |
|                                     | 1       | 12        | 11.71                 | 11.56                 | 11.42                 |                              | 0        |
|                                     | 1       | 24        | 11.70                 | 11.80                 | 11.45                 |                              | 0        |
|                                     | 12      | 0         | 11.79                 | 11.63                 | 11.74                 | 0-1                          | 0        |
|                                     | 12      | 6         | 11.79                 | 11.65                 | 11.61                 |                              | 0        |
|                                     | 12      | 13        | 11.80                 | 11.69                 | 11.59                 |                              | 0        |
| 16QAM                               | 25      | 0         | 11.83                 | 11.65                 | 11.65                 | 0-1                          | 0        |
|                                     | 1       | 0         | 11.70                 | 11.64                 | 11.55                 |                              | 0        |
|                                     | 1       | 12        | 11.68                 | 11.60                 | 11.37                 |                              | 0        |
|                                     | 1       | 24        | 11.70                 | 11.71                 | 11.43                 | 0-2                          | 0        |
|                                     | 12      | 0         | 11.63                 | 11.32                 | 11.59                 |                              | 0        |
|                                     | 12      | 6         | 11.64                 | 11.36                 | 11.44                 |                              | 0        |
| 64QAM                               | 12      | 13        | 11.65                 | 11.39                 | 11.42                 | 0-2                          | 0        |
|                                     | 25      | 0         | 11.59                 | 11.44                 | 11.50                 |                              | 0        |
|                                     | 1       | 0         | 11.58                 | 11.60                 | 11.63                 |                              | 0-2      |
|                                     | 1       | 12        | 11.62                 | 11.55                 | 11.54                 | 0                            |          |
|                                     | 1       | 24        | 11.56                 | 11.64                 | 11.50                 | 0-3                          |          |
|                                     | 12      | 0         | 11.64                 | 11.41                 | 11.36                 |                              | 0        |
| 12                                  | 6       | 11.67     | 11.39                 | 11.30                 | 0                     |                              |          |
|                                     | 12      | 13        | 11.66                 | 11.44                 | 11.31                 | 0-3                          | 0        |
|                                     | 25      | 0         | 11.64                 | 11.42                 | 11.31                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 79 of 284                  |

**Table 8-71**  
**LTE Band 4 Conducted Powers Ant 2a - 3 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 19965<br>(1711.5 MHz) | 20175<br>(1732.5 MHz) | 20385<br>(1753.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 11.61                 | 11.49                 | 11.50                 | 0                            | 0        |
|                                     | 1       | 7         | 11.68                 | 11.56                 | 11.56                 |                              | 0        |
|                                     | 1       | 14        | 11.66                 | 11.56                 | 11.50                 |                              | 0        |
|                                     | 8       | 0         | 11.76                 | 11.66                 | 11.65                 | 0-1                          | 0        |
|                                     | 8       | 4         | 11.75                 | 11.62                 | 11.63                 |                              | 0        |
|                                     | 8       | 7         | 11.78                 | 11.65                 | 11.62                 |                              | 0        |
|                                     | 15      | 0         | 11.80                 | 11.65                 | 11.62                 |                              | 0        |
| 16QAM                               | 1       | 0         | 11.85                 | 11.43                 | 11.29                 | 0-1                          | 0        |
|                                     | 1       | 7         | 11.83                 | 11.41                 | 11.51                 |                              | 0        |
|                                     | 1       | 14        | 11.89                 | 11.61                 | 11.52                 |                              | 0        |
|                                     | 8       | 0         | 11.76                 | 11.51                 | 11.48                 | 0-2                          | 0        |
|                                     | 8       | 4         | 11.81                 | 11.45                 | 11.50                 |                              | 0        |
|                                     | 8       | 7         | 11.83                 | 11.51                 | 11.47                 |                              | 0        |
|                                     | 15      | 0         | 11.82                 | 11.47                 | 11.48                 |                              | 0        |
| 64QAM                               | 1       | 0         | 11.82                 | 11.40                 | 11.69                 | 0-2                          | 0        |
|                                     | 1       | 7         | 11.80                 | 11.54                 | 11.67                 |                              | 0        |
|                                     | 1       | 14        | 11.78                 | 11.44                 | 11.66                 |                              | 0        |
|                                     | 8       | 0         | 11.87                 | 11.48                 | 11.52                 | 0-3                          | 0        |
|                                     | 8       | 4         | 11.81                 | 11.51                 | 11.50                 |                              | 0        |
|                                     | 8       | 7         | 11.80                 | 11.50                 | 11.47                 |                              | 0        |
|                                     | 15      | 0         | 11.80                 | 11.41                 | 11.47                 |                              | 0        |

**Table 8-72**  
**LTE Band 4 Conducted Powers Ant 2a - 1.4 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 19957<br>(1710.7 MHz) | 20175<br>(1732.5 MHz) | 20393<br>(1754.3 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 11.60                 | 11.41                 | 11.48                 | 0                            | 0        |
|                                       | 1       | 2         | 11.57                 | 11.40                 | 11.45                 |                              | 0        |
|                                       | 1       | 5         | 11.62                 | 11.40                 | 11.52                 |                              | 0        |
|                                       | 3       | 0         | 11.69                 | 11.51                 | 11.39                 |                              | 0        |
|                                       | 3       | 2         | 11.67                 | 11.50                 | 11.39                 |                              | 0        |
|                                       | 3       | 3         | 11.68                 | 11.51                 | 11.38                 | 0                            |          |
|                                       | 6       | 0         | 11.68                 | 11.49                 | 11.42                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 11.75                 | 11.66                 | 11.58                 | 0-1                          | 0        |
|                                       | 1       | 2         | 11.71                 | 11.63                 | 11.58                 |                              | 0        |
|                                       | 1       | 5         | 11.81                 | 11.48                 | 11.63                 |                              | 0        |
|                                       | 3       | 0         | 11.80                 | 11.60                 | 11.52                 |                              | 0        |
|                                       | 3       | 2         | 11.76                 | 11.52                 | 11.58                 |                              | 0        |
|                                       | 3       | 3         | 11.79                 | 11.55                 | 11.52                 | 0                            |          |
|                                       | 6       | 0         | 11.71                 | 11.53                 | 11.45                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 11.69                 | 11.76                 | 11.62                 | 0-2                          | 0        |
|                                       | 1       | 2         | 11.77                 | 11.71                 | 11.53                 |                              | 0        |
|                                       | 1       | 5         | 11.86                 | 11.71                 | 11.52                 |                              | 0        |
|                                       | 3       | 0         | 11.74                 | 11.55                 | 11.49                 |                              | 0        |
|                                       | 3       | 2         | 11.67                 | 11.48                 | 11.48                 |                              | 0        |
|                                       | 3       | 3         | 11.69                 | 11.50                 | 11.42                 | 0                            |          |
|                                       | 6       | 0         | 11.70                 | 11.45                 | 11.44                 | 0-3                          | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 80 of 284                         |

**Table 8-73**  
**LTE Band 4 Conducted Powers Ant 2b - 20 MHz Bandwidth**

| LTE Band 4 (AWS)<br>20 MHz Bandwidth |         |           |                          |                              |          |
|--------------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20175<br>(1732.5 MHz)    |                              |          |
|                                      |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                                 | 1       | 0         | 15.02                    | 0                            | 0        |
|                                      | 1       | 50        | 14.83                    |                              | 0        |
|                                      | 1       | 99        | 15.03                    |                              | 0        |
|                                      | 50      | 0         | 15.01                    | 0-1                          | 0        |
|                                      | 50      | 25        | 14.98                    |                              | 0        |
|                                      | 50      | 50        | 15.02                    |                              | 0        |
| 16QAM                                | 100     | 0         | 15.00                    | 0-1                          | 0        |
|                                      | 1       | 0         | 14.92                    |                              | 0        |
|                                      | 1       | 50        | 14.73                    |                              | 0        |
|                                      | 1       | 99        | 14.92                    | 0-2                          | 0        |
|                                      | 50      | 0         | 14.55                    |                              | 0        |
|                                      | 50      | 25        | 14.55                    |                              | 0        |
| 64QAM                                | 50      | 50        | 14.58                    | 0-2                          | 0        |
|                                      | 100     | 0         | 14.54                    |                              | 0        |
|                                      | 1       | 0         | 14.90                    | 0-3                          | 0        |
|                                      | 1       | 50        | 14.82                    |                              | 0        |
|                                      | 1       | 99        | 14.91                    |                              | 0        |
|                                      | 50      | 0         | 14.58                    | 0-3                          | 0        |
|                                      | 50      | 25        | 14.54                    |                              | 0        |
|                                      | 50      | 50        | 14.59                    |                              | 0        |
|                                      | 100     | 0         | 14.52                    |                              | 0        |

**Note:** LTE Band 4 at 20 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

**Table 8-74**  
**LTE Band 4 Conducted Powers Ant 2b - 15 MHz Bandwidth**

| LTE Band 4 (AWS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20025<br>(1717.5 MHz) | 20175<br>(1732.5 MHz) | 20325<br>(1747.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 14.71                 | 14.82                 | 14.66                 | 0                            | 0        |
|                                      | 1       | 36        | 14.65                 | 14.71                 | 14.60                 |                              | 0        |
|                                      | 1       | 74        | 14.61                 | 14.83                 | 14.35                 |                              | 0        |
|                                      | 36      | 0         | 14.75                 | 14.66                 | 14.71                 | 0-1                          | 0        |
|                                      | 36      | 18        | 14.70                 | 14.61                 | 14.69                 |                              | 0        |
|                                      | 36      | 37        | 14.71                 | 14.75                 | 14.56                 |                              | 0        |
| 16QAM                                | 75      | 0         | 14.71                 | 14.63                 | 14.69                 | 0-1                          | 0        |
|                                      | 1       | 0         | 14.87                 | 14.91                 | 14.87                 |                              | 0        |
|                                      | 1       | 36        | 14.83                 | 14.85                 | 14.70                 |                              | 0        |
|                                      | 1       | 74        | 14.71                 | 14.96                 | 14.49                 | 0-2                          | 0        |
|                                      | 36      | 0         | 14.80                 | 14.75                 | 14.71                 |                              | 0        |
|                                      | 36      | 18        | 14.79                 | 14.69                 | 14.75                 |                              | 0        |
| 64QAM                                | 36      | 37        | 14.68                 | 14.77                 | 14.61                 | 0-2                          | 0        |
|                                      | 75      | 0         | 14.78                 | 14.66                 | 14.72                 |                              | 0        |
|                                      | 1       | 0         | 14.98                 | 14.60                 | 14.88                 |                              | 0-2      |
|                                      | 1       | 36        | 14.90                 | 14.62                 | 14.79                 | 0                            |          |
|                                      | 1       | 74        | 14.61                 | 14.59                 | 14.52                 | 0                            |          |
|                                      | 36      | 0         | 14.74                 | 14.38                 | 14.66                 | 0-3                          | 0        |
| 36                                   | 18      | 14.67     | 14.39                 | 14.62                 | 0                     |                              |          |
| 36                                   | 37      | 14.53     | 14.41                 | 14.54                 | 0                     |                              |          |
|                                      | 75      | 0         | 14.59                 | 14.35                 | 14.59                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 81 of 284                  |

**Table 8-75**  
**LTE Band 4 Conducted Powers Ant 2b - 10 MHz Bandwidth**

| LTE Band 4 (AWS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20000<br>(1715.0 MHz) | 20175<br>(1732.5 MHz) | 20350<br>(1750.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 14.72                 | 14.67                 | 14.61                 | 0                            | 0        |
|                                      | 1       | 25        | 14.71                 | 14.59                 | 14.53                 |                              | 0        |
|                                      | 1       | 49        | 14.64                 | 14.76                 | 14.38                 |                              | 0        |
|                                      | 25      | 0         | 14.78                 | 14.71                 | 14.69                 | 0-1                          | 0        |
|                                      | 25      | 12        | 14.77                 | 14.69                 | 14.63                 |                              | 0        |
|                                      | 25      | 25        | 14.69                 | 14.77                 | 14.44                 |                              | 0        |
| 16QAM                                | 50      | 0         | 14.78                 | 14.69                 | 14.64                 | 0-1                          | 0        |
|                                      | 1       | 0         | 14.83                 | 14.63                 | 14.84                 |                              | 0        |
|                                      | 1       | 25        | 14.87                 | 14.83                 | 14.56                 |                              | 0        |
|                                      | 1       | 49        | 14.76                 | 14.88                 | 14.50                 | 0-2                          | 0        |
|                                      | 25      | 0         | 14.80                 | 14.68                 | 14.75                 |                              | 0        |
|                                      | 25      | 12        | 14.80                 | 14.64                 | 14.66                 |                              | 0        |
| 64QAM                                | 25      | 25        | 14.76                 | 14.68                 | 14.50                 | 0-2                          | 0        |
|                                      | 50      | 0         | 14.81                 | 14.66                 | 14.67                 |                              | 0        |
|                                      | 1       | 0         | 15.10                 | 14.53                 | 15.10                 |                              | 0-2      |
|                                      | 1       | 25        | 15.02                 | 14.54                 | 14.83                 | 0                            |          |
|                                      | 1       | 49        | 14.95                 | 14.72                 | 14.60                 | 0                            |          |
|                                      | 64QAM   | 25        | 0                     | 14.81                 | 14.39                 | 14.62                        | 0-3      |
| 25                                   |         | 12        | 14.68                 | 14.36                 | 14.57                 | 0                            |          |
| 25                                   |         | 25        | 14.63                 | 14.36                 | 14.45                 | 0                            |          |
| 50                                   |         | 0         | 14.69                 | 14.36                 | 14.57                 |                              | 0        |

**Table 8-76**  
**LTE Band 4 Conducted Powers Ant 2b - 5 MHz Bandwidth**

| LTE Band 4 (AWS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 19975<br>(1712.5 MHz) | 20175<br>(1732.5 MHz) | 20375<br>(1752.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 14.65                 | 14.66                 | 14.42                 | 0                            | 0        |
|                                     | 1       | 12        | 14.65                 | 14.62                 | 14.39                 |                              | 0        |
|                                     | 1       | 24        | 14.69                 | 14.74                 | 14.26                 |                              | 0        |
|                                     | 12      | 0         | 14.64                 | 14.66                 | 14.49                 | 0-1                          | 0        |
|                                     | 12      | 6         | 14.63                 | 14.64                 | 14.36                 |                              | 0        |
|                                     | 12      | 13        | 14.62                 | 14.74                 | 14.35                 |                              | 0        |
|                                     | 25      | 0         | 14.67                 | 14.66                 | 14.38                 |                              | 0        |
| 16QAM                               | 1       | 0         | 14.81                 | 14.92                 | 14.63                 | 0-1                          | 0        |
|                                     | 1       | 12        | 14.90                 | 14.96                 | 14.45                 |                              | 0        |
|                                     | 1       | 24        | 14.98                 | 15.01                 | 14.52                 |                              | 0        |
|                                     | 12      | 0         | 14.80                 | 14.83                 | 14.62                 | 0-2                          | 0        |
|                                     | 12      | 6         | 14.72                 | 14.78                 | 14.46                 |                              | 0        |
|                                     | 12      | 13        | 14.79                 | 14.85                 | 14.50                 |                              | 0        |
|                                     | 25      | 0         | 14.76                 | 14.75                 | 14.51                 |                              | 0        |
| 64QAM                               | 1       | 0         | 15.10                 | 14.77                 | 14.80                 | 0-2                          | 0        |
|                                     | 1       | 12        | 14.98                 | 14.77                 | 14.68                 |                              | 0        |
|                                     | 1       | 24        | 14.97                 | 14.92                 | 14.65                 |                              | 0        |
|                                     | 12      | 0         | 14.80                 | 14.40                 | 14.51                 | 0-3                          | 0        |
|                                     | 12      | 6         | 14.70                 | 14.41                 | 14.52                 |                              | 0        |
|                                     | 12      | 13        | 14.75                 | 14.41                 | 14.51                 |                              | 0        |
|                                     | 25      | 0         | 14.73                 | 14.38                 | 14.45                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 82 of 284                         |

**Table 8-77**  
**LTE Band 4 Conducted Powers Ant 2b - 3 MHz Bandwidth**

| LTE Band 4 (AWS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 19965<br>(1711.5 MHz) | 20175<br>(1732.5 MHz) | 20385<br>(1753.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 14.54                 | 14.49                 | 14.45                 | 0                            | 0        |
|                                     | 1       | 7         | 14.63                 | 14.53                 | 14.46                 |                              | 0        |
|                                     | 1       | 14        | 14.61                 | 14.57                 | 14.43                 |                              | 0        |
|                                     | 8       | 0         | 14.65                 | 14.57                 | 14.35                 | 0-1                          | 0        |
|                                     | 8       | 4         | 14.67                 | 14.57                 | 14.34                 |                              | 0        |
|                                     | 8       | 7         | 14.68                 | 14.68                 | 14.36                 |                              | 0        |
|                                     | 15      | 0         | 14.71                 | 14.59                 | 14.36                 |                              | 0        |
| 16QAM                               | 1       | 0         | 14.60                 | 14.79                 | 14.50                 | 0-1                          | 0        |
|                                     | 1       | 7         | 14.69                 | 14.74                 | 14.39                 |                              | 0        |
|                                     | 1       | 14        | 14.69                 | 14.79                 | 14.39                 |                              | 0        |
|                                     | 8       | 0         | 14.68                 | 14.70                 | 14.51                 | 0-2                          | 0        |
|                                     | 8       | 4         | 14.65                 | 14.68                 | 14.43                 |                              | 0        |
|                                     | 8       | 7         | 14.65                 | 14.79                 | 14.44                 |                              | 0        |
|                                     | 15      | 0         | 14.67                 | 14.72                 | 14.46                 |                              | 0        |
| 64QAM                               | 1       | 0         | 14.92                 | 14.70                 | 14.72                 | 0-2                          | 0        |
|                                     | 1       | 7         | 14.95                 | 14.80                 | 14.74                 |                              | 0        |
|                                     | 1       | 14        | 14.89                 | 14.72                 | 14.64                 |                              | 0        |
|                                     | 8       | 0         | 14.73                 | 14.50                 | 14.50                 | 0-3                          | 0        |
|                                     | 8       | 4         | 14.70                 | 14.40                 | 14.45                 |                              | 0        |
|                                     | 8       | 7         | 14.73                 | 14.52                 | 14.42                 |                              | 0        |
|                                     | 15      | 0         | 14.75                 | 14.46                 | 14.53                 |                              | 0        |

**Table 8-78**  
**LTE Band 4 Conducted Powers Ant 2b - 1.4 MHz Bandwidth**

| LTE Band 4 (AWS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 19957<br>(1710.7 MHz) | 20175<br>(1732.5 MHz) | 20393<br>(1754.3 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 14.62                 | 14.56                 | 14.46                 | 0                            | 0        |
|                                       | 1       | 2         | 14.61                 | 14.53                 | 14.46                 |                              | 0        |
|                                       | 1       | 5         | 14.62                 | 14.55                 | 14.52                 |                              | 0        |
|                                       | 3       | 0         | 14.67                 | 14.58                 | 14.37                 |                              | 0        |
|                                       | 3       | 2         | 14.68                 | 14.60                 | 14.40                 |                              | 0        |
|                                       | 3       | 3         | 14.68                 | 14.58                 | 14.43                 |                              | 0        |
|                                       | 6       | 0         | 14.67                 | 14.59                 | 14.39                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 14.72                 | 14.77                 | 14.51                 | 0-1                          | 0        |
|                                       | 1       | 2         | 14.88                 | 14.67                 | 14.44                 |                              | 0        |
|                                       | 1       | 5         | 14.71                 | 14.91                 | 14.63                 |                              | 0        |
|                                       | 3       | 0         | 14.73                 | 14.81                 | 14.45                 |                              | 0        |
|                                       | 3       | 2         | 14.69                 | 14.76                 | 14.46                 |                              | 0        |
|                                       | 3       | 3         | 14.69                 | 14.72                 | 14.41                 |                              | 0        |
|                                       | 6       | 0         | 14.70                 | 14.67                 | 14.43                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 15.10                 | 14.72                 | 14.76                 | 0-2                          | 0        |
|                                       | 1       | 2         | 15.08                 | 14.77                 | 14.80                 |                              | 0        |
|                                       | 1       | 5         | 15.09                 | 14.80                 | 14.65                 |                              | 0        |
|                                       | 3       | 0         | 14.90                 | 14.47                 | 14.59                 |                              | 0        |
|                                       | 3       | 2         | 14.85                 | 14.43                 | 14.46                 |                              | 0        |
|                                       | 3       | 3         | 14.82                 | 14.45                 | 14.52                 |                              | 0        |
|                                       | 6       | 0         | 14.83                 | 14.46                 | 14.47                 | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 83 of 284                  |

**Table 8-79**  
**LTE Band 4 Conducted Powers Ant 2b - 20 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>20 MHz Bandwidth |         |           |                          |                              |          |
|--------------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20175<br>(1732.5 MHz)    |                              |          |
|                                      |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                                 | 1       | 0         | 11.85                    | 0                            | 0        |
|                                      | 1       | 50        | 11.79                    |                              | 0        |
|                                      | 1       | 99        | 11.97                    |                              | 0        |
|                                      | 50      | 0         | 11.83                    | 0-1                          | 0        |
|                                      | 50      | 25        | 11.83                    |                              | 0        |
|                                      | 50      | 50        | 11.84                    |                              | 0        |
| 16QAM                                | 100     | 0         | 11.83                    | 0-1                          | 0        |
|                                      | 1       | 0         | 11.86                    |                              | 0        |
|                                      | 1       | 50        | 11.77                    |                              | 0        |
|                                      | 1       | 99        | 11.92                    | 0-2                          | 0        |
|                                      | 50      | 0         | 11.64                    |                              | 0        |
|                                      | 50      | 25        | 11.61                    |                              | 0        |
| 64QAM                                | 50      | 50        | 11.77                    | 0-2                          | 0        |
|                                      | 100     | 0         | 11.60                    |                              | 0        |
|                                      | 1       | 0         | 11.84                    | 0-3                          | 0        |
|                                      | 1       | 50        | 11.81                    |                              | 0        |
|                                      | 1       | 99        | 11.91                    |                              | 0        |
|                                      | 50      | 0         | 11.65                    | 0-3                          | 0        |
|                                      | 50      | 25        | 11.59                    |                              | 0        |
|                                      | 50      | 50        | 11.71                    |                              | 0        |
|                                      | 100     | 0         | 11.59                    |                              | 0        |

**Note:** LTE Band 4 at 20 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

**Table 8-80**  
**LTE Band 4 Conducted Powers Ant 2b - 15 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20025<br>(1717.5 MHz) | 20175<br>(1732.5 MHz) | 20325<br>(1747.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 11.80                 | 11.63                 | 11.65                 | 0                            | 0        |
|                                      | 1       | 36        | 11.78                 | 11.61                 | 11.66                 |                              | 0        |
|                                      | 1       | 74        | 11.72                 | 11.70                 | 11.55                 |                              | 0        |
|                                      | 36      | 0         | 11.70                 | 11.71                 | 11.71                 | 0-1                          | 0        |
|                                      | 36      | 18        | 11.71                 | 11.69                 | 11.73                 |                              | 0        |
|                                      | 36      | 37        | 11.68                 | 11.76                 | 11.55                 |                              | 0        |
| 16QAM                                | 75      | 0         | 11.70                 | 11.67                 | 11.71                 | 0-1                          | 0        |
|                                      | 1       | 0         | 11.79                 | 11.79                 | 11.64                 |                              | 0        |
|                                      | 1       | 36        | 11.93                 | 11.86                 | 11.69                 |                              | 0        |
|                                      | 1       | 74        | 11.67                 | 11.81                 | 11.51                 | 0-2                          | 0        |
|                                      | 36      | 0         | 11.70                 | 11.74                 | 11.75                 |                              | 0        |
|                                      | 36      | 18        | 11.74                 | 11.70                 | 11.77                 |                              | 0        |
| 64QAM                                | 36      | 37        | 11.67                 | 11.78                 | 11.58                 | 0-2                          | 0        |
|                                      | 75      | 0         | 11.71                 | 11.66                 | 11.74                 |                              | 0        |
|                                      | 1       | 0         | 11.89                 | 11.78                 | 12.10                 |                              | 0-3      |
|                                      | 1       | 36        | 11.73                 | 11.90                 | 11.84                 | 0                            |          |
|                                      | 1       | 74        | 11.75                 | 11.82                 | 11.86                 | 0                            |          |
|                                      | 36      | 0         | 11.72                 | 11.75                 | 11.75                 | 0                            |          |
| 36                                   | 18      | 11.75     | 11.70                 | 11.79                 | 0-3                   | 0                            |          |
| 36                                   | 37      | 11.71     | 11.78                 | 11.57                 |                       | 0                            |          |
| 75                                   | 0       | 11.72     | 11.68                 | 11.70                 |                       | 0                            |          |

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 84 of 284                         |

**Table 8-81**  
**LTE Band 4 Conducted Powers Ant 2b - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20000<br>(1715.0 MHz) | 20175<br>(1732.5 MHz) | 20350<br>(1750.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 11.65                 | 11.68                 | 11.68                 | 0                            | 0        |
|                                      | 1       | 25        | 11.64                 | 11.58                 | 11.53                 |                              | 0        |
|                                      | 1       | 49        | 11.59                 | 11.71                 | 11.49                 |                              | 0        |
|                                      | 25      | 0         | 11.81                 | 11.75                 | 11.75                 | 0-1                          | 0        |
|                                      | 25      | 12        | 11.75                 | 11.69                 | 11.65                 |                              | 0        |
|                                      | 25      | 25        | 11.73                 | 11.69                 | 11.48                 |                              | 0        |
| 16QAM                                | 50      | 0         | 11.75                 | 11.69                 | 11.65                 | 0                            |          |
|                                      | 1       | 0         | 11.64                 | 11.95                 | 11.69                 | 0-1                          | 0        |
|                                      | 1       | 25        | 11.80                 | 11.71                 | 11.55                 |                              | 0        |
|                                      | 1       | 49        | 11.63                 | 11.77                 | 11.39                 |                              | 0        |
|                                      | 25      | 0         | 11.81                 | 11.74                 | 11.74                 | 0-2                          | 0        |
|                                      | 25      | 12        | 11.76                 | 11.68                 | 11.66                 |                              | 0        |
| 25                                   | 25      | 11.74     | 11.70                 | 11.49                 | 0                     |                              |          |
| 64QAM                                | 50      | 0         | 11.78                 | 11.69                 | 11.66                 | 0                            |          |
|                                      | 1       | 0         | 11.94                 | 12.03                 | 12.10                 | 0-2                          | 0        |
|                                      | 1       | 25        | 11.86                 | 11.86                 | 11.98                 |                              | 0        |
|                                      | 1       | 49        | 11.77                 | 11.88                 | 11.85                 |                              | 0        |
|                                      | 25      | 0         | 11.81                 | 11.72                 | 11.78                 | 0-3                          | 0        |
|                                      | 25      | 12        | 11.76                 | 11.67                 | 11.65                 |                              | 0        |
|                                      | 25      | 25        | 11.79                 | 11.65                 | 11.53                 |                              | 0        |
|                                      | 50      | 0         | 11.77                 | 11.71                 | 11.69                 |                              | 0        |

**Table 8-82**  
**LTE Band 4 Conducted Powers Ant 2b - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 19975<br>(1712.5 MHz) | 20175<br>(1732.5 MHz) | 20375<br>(1752.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 11.54                 | 11.80                 | 11.41                 | 0                            | 0        |
|                                     | 1       | 12        | 11.59                 | 11.68                 | 11.38                 |                              | 0        |
|                                     | 1       | 24        | 11.61                 | 11.82                 | 11.35                 |                              | 0        |
|                                     | 12      | 0         | 11.66                 | 11.77                 | 11.46                 | 0-1                          | 0        |
|                                     | 12      | 6         | 11.68                 | 11.72                 | 11.37                 |                              | 0        |
|                                     | 12      | 13        | 11.62                 | 11.73                 | 11.34                 |                              | 0        |
| 25                                  | 0       | 11.70     | 11.74                 | 11.38                 | 0                     |                              |          |
| 16QAM                               | 1       | 0         | 11.76                 | 11.95                 | 11.51                 | 0-1                          | 0        |
|                                     | 1       | 12        | 11.85                 | 11.82                 | 11.35                 |                              | 0        |
|                                     | 1       | 24        | 11.85                 | 11.89                 | 11.46                 |                              | 0        |
|                                     | 12      | 0         | 11.69                 | 11.72                 | 11.44                 | 0-2                          | 0        |
|                                     | 12      | 6         | 11.69                 | 11.72                 | 11.39                 |                              | 0        |
|                                     | 12      | 13        | 11.64                 | 11.76                 | 11.35                 |                              | 0        |
| 25                                  | 0       | 11.72     | 11.77                 | 11.42                 | 0                     |                              |          |
| 64QAM                               | 1       | 0         | 11.72                 | 12.00                 | 11.79                 | 0-2                          | 0        |
|                                     | 1       | 12        | 11.77                 | 11.87                 | 11.57                 |                              | 0        |
|                                     | 1       | 24        | 11.81                 | 11.92                 | 11.72                 |                              | 0        |
|                                     | 12      | 0         | 11.68                 | 11.78                 | 11.45                 | 0-3                          | 0        |
|                                     | 12      | 6         | 11.66                 | 11.76                 | 11.39                 |                              | 0        |
|                                     | 12      | 13        | 11.61                 | 11.69                 | 11.34                 |                              | 0        |
| 25                                  | 0       | 11.70     | 11.67                 | 11.42                 | 0                     |                              |          |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 85 of 284                  |

**Table 8-83**  
**LTE Band 4 Conducted Powers Ant 2b - 3 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 19965<br>(1711.5 MHz) | 20175<br>(1732.5 MHz) | 20385<br>(1753.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 11.56                 | 11.57                 | 11.33                 | 0                            | 0        |
|                                     | 1       | 7         | 11.66                 | 11.61                 | 11.35                 |                              | 0        |
|                                     | 1       | 14        | 11.63                 | 11.60                 | 11.33                 |                              | 0        |
|                                     | 8       | 0         | 11.72                 | 11.69                 | 11.45                 | 0-1                          | 0        |
|                                     | 8       | 4         | 11.74                 | 11.65                 | 11.45                 |                              | 0        |
|                                     | 8       | 7         | 11.79                 | 11.69                 | 11.44                 |                              | 0        |
|                                     | 15      | 0         | 11.77                 | 11.68                 | 11.47                 |                              | 0        |
| 16QAM                               | 1       | 0         | 11.63                 | 11.67                 | 11.51                 | 0-1                          | 0        |
|                                     | 1       | 7         | 11.78                 | 11.61                 | 11.35                 |                              | 0        |
|                                     | 1       | 14        | 11.78                 | 11.53                 | 11.32                 |                              | 0        |
|                                     | 8       | 0         | 11.73                 | 11.63                 | 11.49                 | 0-2                          | 0        |
|                                     | 8       | 4         | 11.66                 | 11.63                 | 11.49                 |                              | 0        |
|                                     | 8       | 7         | 11.68                 | 11.66                 | 11.44                 |                              | 0        |
|                                     | 15      | 0         | 11.74                 | 11.58                 | 11.49                 |                              | 0        |
| 64QAM                               | 1       | 0         | 11.65                 | 11.75                 | 11.61                 | 0-2                          | 0        |
|                                     | 1       | 7         | 11.73                 | 11.78                 | 11.59                 |                              | 0        |
|                                     | 1       | 14        | 11.66                 | 11.69                 | 11.51                 |                              | 0        |
|                                     | 8       | 0         | 11.71                 | 11.57                 | 11.48                 | 0-3                          | 0        |
|                                     | 8       | 4         | 11.65                 | 11.56                 | 11.48                 |                              | 0        |
|                                     | 8       | 7         | 11.69                 | 11.64                 | 11.41                 |                              | 0        |
|                                     | 15      | 0         | 11.66                 | 11.61                 | 11.45                 |                              | 0        |

**Table 8-84**  
**LTE Band 4 Conducted Powers Ant 2b - 1.4 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 19957<br>(1710.7 MHz) | 20175<br>(1732.5 MHz) | 20393<br>(1754.3 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 11.58                 | 11.63                 | 11.51                 | 0                            | 0        |
|                                       | 1       | 2         | 11.56                 | 11.58                 | 11.47                 |                              | 0        |
|                                       | 1       | 5         | 11.60                 | 11.59                 | 11.56                 |                              | 0        |
|                                       | 3       | 0         | 11.68                 | 11.67                 | 11.42                 |                              | 0        |
|                                       | 3       | 2         | 11.66                 | 11.67                 | 11.44                 |                              | 0        |
|                                       | 3       | 3         | 11.66                 | 11.65                 | 11.44                 | 0                            |          |
|                                       | 6       | 0         | 11.66                 | 11.65                 | 11.44                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 11.63                 | 11.68                 | 11.42                 | 0-1                          | 0        |
|                                       | 1       | 2         | 11.60                 | 11.61                 | 11.41                 |                              | 0        |
|                                       | 1       | 5         | 11.73                 | 11.61                 | 11.43                 |                              | 0        |
|                                       | 3       | 0         | 11.69                 | 11.57                 | 11.42                 |                              | 0        |
|                                       | 3       | 2         | 11.67                 | 11.69                 | 11.41                 |                              | 0        |
|                                       | 3       | 3         | 11.64                 | 11.54                 | 11.53                 | 0                            |          |
|                                       | 6       | 0         | 11.60                 | 11.64                 | 11.41                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 11.66                 | 11.74                 | 11.46                 | 0-2                          | 0        |
|                                       | 1       | 2         | 11.65                 | 11.72                 | 11.42                 |                              | 0        |
|                                       | 1       | 5         | 11.57                 | 11.64                 | 11.49                 |                              | 0        |
|                                       | 3       | 0         | 11.60                 | 11.52                 | 11.42                 |                              | 0        |
|                                       | 3       | 2         | 11.60                 | 11.55                 | 11.49                 |                              | 0        |
|                                       | 3       | 3         | 11.66                 | 11.61                 | 11.42                 | 0                            |          |
|                                       | 6       | 0         | 11.67                 | 11.54                 | 11.38                 | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 86 of 284                  |

**Table 8-85**  
**LTE Band 4 Conducted Powers Ant 4a - 20 MHz Bandwidth**

| LTE Band 4 (AWS)<br>20 MHz Bandwidth |         |           |                          |                              |          |
|--------------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20175<br>(1732.5 MHz)    |                              |          |
|                                      |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                                 | 1       | 0         | 14.52                    | 0                            | 0        |
|                                      | 1       | 50        | 14.62                    |                              | 0        |
|                                      | 1       | 99        | 14.56                    |                              | 0        |
|                                      | 50      | 0         | 14.61                    | 0-1                          | 0        |
|                                      | 50      | 25        | 14.64                    |                              | 0        |
|                                      | 50      | 50        | 14.57                    |                              | 0        |
| 16QAM                                | 100     | 0         | 14.37                    | 0-1                          | 0        |
|                                      | 1       | 0         | 14.63                    |                              | 0        |
|                                      | 1       | 50        | 14.72                    |                              | 0        |
|                                      | 1       | 99        | 14.61                    | 0-2                          | 0        |
|                                      | 50      | 0         | 14.43                    |                              | 0        |
|                                      | 50      | 25        | 14.40                    |                              | 0        |
| 64QAM                                | 50      | 50        | 14.38                    | 0-2                          | 0        |
|                                      | 100     | 0         | 14.39                    |                              | 0        |
|                                      | 1       | 0         | 14.64                    | 0-2                          | 0        |
|                                      | 1       | 50        | 14.66                    |                              | 0        |
|                                      | 1       | 99        | 14.58                    |                              | 0        |
|                                      | 50      | 0         | 14.57                    | 0-3                          | 0        |
|                                      | 50      | 25        | 14.59                    |                              | 0        |
|                                      | 50      | 50        | 14.47                    |                              | 0        |
|                                      | 100     | 0         | 14.56                    |                              | 0        |

**Note:** LTE Band 4 at 20 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

**Table 8-86**  
**LTE Band 4 Conducted Powers Ant 4a - 15 MHz Bandwidth**

| LTE Band 4 (AWS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20025<br>(1717.5 MHz) | 20175<br>(1732.5 MHz) | 20325<br>(1747.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 14.48                 | 14.61                 | 14.40                 | 0                            | 0        |
|                                      | 1       | 36        | 14.49                 | 14.67                 | 14.43                 |                              | 0        |
|                                      | 1       | 74        | 14.52                 | 14.49                 | 14.11                 |                              | 0        |
|                                      | 36      | 0         | 14.42                 | 14.58                 | 14.41                 | 0-1                          | 0        |
|                                      | 36      | 18        | 14.48                 | 14.60                 | 14.44                 |                              | 0        |
|                                      | 36      | 37        | 14.47                 | 14.50                 | 14.29                 |                              | 0        |
| 16QAM                                | 75      | 0         | 14.45                 | 14.59                 | 14.41                 | 0-1                          | 0        |
|                                      | 1       | 0         | 14.69                 | 14.46                 | 14.52                 |                              | 0        |
|                                      | 1       | 36        | 14.71                 | 14.49                 | 14.57                 |                              | 0        |
|                                      | 1       | 74        | 14.63                 | 14.35                 | 14.31                 | 0-2                          | 0        |
|                                      | 36      | 0         | 14.25                 | 14.43                 | 14.20                 |                              | 0        |
|                                      | 36      | 18        | 14.30                 | 14.45                 | 14.27                 |                              | 0        |
| 64QAM                                | 36      | 37        | 14.26                 | 14.33                 | 14.08                 | 0-2                          | 0        |
|                                      | 75      | 0         | 14.26                 | 14.40                 | 14.22                 |                              | 0        |
|                                      | 1       | 0         | 14.49                 | 14.71                 | 14.27                 |                              | 0-2      |
|                                      | 1       | 36        | 14.62                 | 14.66                 | 14.48                 | 0                            |          |
|                                      | 1       | 74        | 14.52                 | 14.49                 | 14.21                 | 0-3                          |          |
|                                      | 36      | 0         | 14.25                 | 14.42                 | 14.21                 |                              | 0        |
| 36                                   | 18      | 14.29     | 14.43                 | 14.23                 | 0                     |                              |          |
| 64QAM                                | 36      | 37        | 14.26                 | 14.34                 | 14.06                 | 0-3                          | 0        |
|                                      | 75      | 0         | 14.25                 | 14.41                 | 14.21                 |                              | 0        |

|                                         |                                                                                                   |                              |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   | Page 87 of 284                  |

**Table 8-87**  
**LTE Band 4 Conducted Powers Ant 4a - 10 MHz Bandwidth**

| LTE Band 4 (AWS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20000<br>(1715.0 MHz) | 20175<br>(1732.5 MHz) | 20350<br>(1750.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 14.31                 | 14.45                 | 14.26                 | 0                            | 0        |
|                                      | 1       | 25        | 14.18                 | 14.40                 | 14.14                 |                              | 0        |
|                                      | 1       | 49        | 14.27                 | 14.34                 | 14.00                 |                              | 0        |
|                                      | 25      | 0         | 14.26                 | 14.46                 | 14.20                 | 0-1                          | 0        |
|                                      | 25      | 12        | 14.18                 | 14.43                 | 14.08                 |                              | 0        |
|                                      | 25      | 25        | 14.22                 | 14.42                 | 13.97                 |                              | 0        |
| 16QAM                                | 50      | 0         | 14.19                 | 14.44                 | 14.07                 | 0-1                          | 0        |
|                                      | 1       | 0         | 14.68                 | 14.70                 | 14.68                 |                              | 0        |
|                                      | 1       | 25        | 14.53                 | 14.70                 | 14.45                 |                              | 0        |
|                                      | 1       | 49        | 14.59                 | 14.63                 | 14.39                 | 0-2                          | 0        |
|                                      | 25      | 0         | 14.28                 | 14.42                 | 14.20                 |                              | 0        |
|                                      | 25      | 12        | 14.23                 | 14.45                 | 14.11                 |                              | 0        |
| 64QAM                                | 25      | 25        | 14.25                 | 14.40                 | 14.02                 | 0-2                          | 0        |
|                                      | 50      | 0         | 14.21                 | 14.43                 | 14.11                 |                              | 0        |
|                                      | 1       | 0         | 14.37                 | 14.71                 | 14.58                 | 0-2                          | 0        |
|                                      | 1       | 25        | 14.58                 | 14.63                 | 14.14                 |                              | 0        |
|                                      | 1       | 49        | 14.54                 | 14.39                 | 14.27                 |                              | 0        |
|                                      | 25      | 0         | 14.27                 | 14.44                 | 14.25                 | 0-3                          | 0        |
|                                      | 25      | 12        | 14.18                 | 14.36                 | 14.15                 |                              | 0        |
|                                      | 25      | 25        | 14.24                 | 14.40                 | 14.03                 |                              | 0        |
|                                      | 50      | 0         | 14.26                 | 14.43                 | 14.08                 |                              | 0        |

**Table 8-88**  
**LTE Band 4 Conducted Powers Ant 4a - 5 MHz Bandwidth**

| LTE Band 4 (AWS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 19975<br>(1712.5 MHz) | 20175<br>(1732.5 MHz) | 20375<br>(1752.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 14.28                 | 14.40                 | 14.14                 | 0                            | 0        |
|                                     | 1       | 12        | 14.15                 | 14.36                 | 14.02                 |                              | 0        |
|                                     | 1       | 24        | 14.10                 | 14.35                 | 14.09                 |                              | 0        |
|                                     | 12      | 0         | 14.16                 | 14.40                 | 14.07                 | 0-1                          | 0        |
|                                     | 12      | 6         | 14.15                 | 14.39                 | 14.00                 |                              | 0        |
|                                     | 12      | 13        | 14.09                 | 14.38                 | 14.02                 |                              | 0        |
|                                     | 25      | 0         | 14.20                 | 14.41                 | 14.01                 |                              | 0        |
| 16QAM                               | 1       | 0         | 14.72                 | 14.70                 | 14.32                 | 0-1                          | 0        |
|                                     | 1       | 12        | 14.54                 | 14.57                 | 14.28                 |                              | 0        |
|                                     | 1       | 24        | 14.43                 | 14.54                 | 14.35                 |                              | 0        |
|                                     | 12      | 0         | 14.19                 | 14.41                 | 14.14                 | 0-2                          | 0        |
|                                     | 12      | 6         | 14.25                 | 14.40                 | 14.09                 |                              | 0        |
|                                     | 12      | 13        | 14.12                 | 14.38                 | 14.11                 |                              | 0        |
|                                     | 25      | 0         | 14.20                 | 14.43                 | 14.05                 |                              | 0        |
| 64QAM                               | 1       | 0         | 14.72                 | 14.71                 | 14.58                 | 0-2                          | 0        |
|                                     | 1       | 12        | 14.51                 | 14.65                 | 14.37                 |                              | 0        |
|                                     | 1       | 24        | 14.60                 | 14.72                 | 14.57                 |                              | 0        |
|                                     | 12      | 0         | 14.23                 | 14.40                 | 14.10                 | 0-3                          | 0        |
|                                     | 12      | 6         | 14.25                 | 14.43                 | 14.08                 |                              | 0        |
|                                     | 12      | 13        | 14.12                 | 14.39                 | 14.05                 |                              | 0        |
|                                     | 25      | 0         | 14.20                 | 14.42                 | 14.01                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 88 of 284                  |

**Table 8-89**  
**LTE Band 4 Conducted Powers Ant 4a - 3 MHz Bandwidth**

| LTE Band 4 (AWS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 19965<br>(1711.5 MHz) | 20175<br>(1732.5 MHz) | 20385<br>(1753.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 14.32                 | 14.15                 | 14.01                 | 0                            | 0        |
|                                     | 1       | 7         | 14.28                 | 14.19                 | 14.05                 |                              | 0        |
|                                     | 1       | 14        | 14.20                 | 14.12                 | 14.00                 |                              | 0        |
|                                     | 8       | 0         | 14.27                 | 14.31                 | 14.06                 | 0-1                          | 0        |
|                                     | 8       | 4         | 14.23                 | 14.30                 | 14.06                 |                              | 0        |
|                                     | 8       | 7         | 14.23                 | 14.32                 | 14.02                 |                              | 0        |
| 16QAM                               | 15      | 0         | 14.23                 | 14.34                 | 14.05                 | 0                            |          |
|                                     | 1       | 0         | 14.69                 | 14.68                 | 14.32                 | 0-1                          | 0        |
|                                     | 1       | 7         | 14.43                 | 14.70                 | 14.35                 |                              | 0        |
|                                     | 1       | 14        | 14.37                 | 14.23                 | 14.39                 |                              | 0        |
|                                     | 8       | 0         | 14.25                 | 14.32                 | 14.09                 | 0-2                          | 0        |
|                                     | 8       | 4         | 14.23                 | 14.38                 | 14.08                 |                              | 0        |
| 8                                   | 7       | 14.26     | 14.35                 | 14.09                 | 0                     |                              |          |
| 64QAM                               | 15      | 0         | 14.26                 | 14.35                 | 14.12                 | 0                            |          |
|                                     | 1       | 0         | 14.40                 | 14.57                 | 14.26                 | 0-2                          | 0        |
|                                     | 1       | 7         | 14.51                 | 14.45                 | 14.50                 |                              | 0        |
|                                     | 1       | 14        | 14.53                 | 14.32                 | 14.33                 |                              | 0        |
|                                     | 8       | 0         | 14.27                 | 14.33                 | 14.14                 | 0-3                          | 0        |
|                                     | 8       | 4         | 14.27                 | 14.28                 | 14.09                 |                              | 0        |
| 8                                   | 7       | 14.24     | 14.35                 | 14.12                 | 0                     |                              |          |
|                                     | 15      | 0         | 14.24                 | 14.36                 | 14.13                 |                              | 0        |

**Table 8-90**  
**LTE Band 4 Conducted Powers Ant 4a - 1.4 MHz Bandwidth**

| LTE Band 4 (AWS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 19957<br>(1710.7 MHz) | 20175<br>(1732.5 MHz) | 20393<br>(1754.3 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 14.34                 | 14.16                 | 14.16                 | 0                            | 0        |
|                                       | 1       | 2         | 14.25                 | 14.09                 | 14.14                 |                              | 0        |
|                                       | 1       | 5         | 14.28                 | 14.15                 | 14.19                 |                              | 0        |
|                                       | 3       | 0         | 14.33                 | 14.28                 | 14.01                 |                              | 0        |
|                                       | 3       | 2         | 14.22                 | 14.25                 | 14.00                 |                              | 0        |
|                                       | 3       | 3         | 14.19                 | 14.25                 | 14.05                 | 0                            |          |
|                                       | 6       | 0         | 14.19                 | 14.26                 | 14.05                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 14.49                 | 14.72                 | 14.33                 | 0-1                          | 0        |
|                                       | 1       | 2         | 14.69                 | 14.29                 | 14.40                 |                              | 0        |
|                                       | 1       | 5         | 14.38                 | 14.65                 | 14.39                 |                              | 0        |
|                                       | 3       | 0         | 14.28                 | 14.37                 | 14.20                 |                              | 0        |
|                                       | 3       | 2         | 14.26                 | 14.14                 | 14.07                 |                              | 0        |
|                                       | 3       | 3         | 14.27                 | 14.27                 | 14.19                 | 0                            |          |
|                                       | 6       | 0         | 14.26                 | 14.38                 | 14.10                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 14.47                 | 14.45                 | 14.70                 | 0-2                          | 0        |
|                                       | 1       | 2         | 14.53                 | 14.49                 | 14.39                 |                              | 0        |
|                                       | 1       | 5         | 14.48                 | 14.34                 | 14.63                 |                              | 0        |
|                                       | 3       | 0         | 14.30                 | 14.30                 | 14.18                 |                              | 0        |
|                                       | 3       | 2         | 14.27                 | 14.33                 | 14.28                 |                              | 0        |
|                                       | 3       | 3         | 14.37                 | 14.29                 | 14.33                 | 0                            |          |
|                                       | 6       | 0         | 14.25                 | 14.29                 | 14.19                 | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 89 of 284                  |

**Table 8-91**  
**LTE Band 4 Conducted Powers Ant 4a - 20 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>20 MHz Bandwidth |         |           |                          |                              |          |
|--------------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20175<br>(1732.5 MHz)    |                              |          |
|                                      |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                                 | 1       | 0         | 11.49                    | 0                            | 0        |
|                                      | 1       | 50        | 11.45                    |                              | 0        |
|                                      | 1       | 99        | 11.37                    |                              | 0        |
|                                      | 50      | 0         | 11.34                    | 0-1                          | 0        |
|                                      | 50      | 25        | 11.31                    |                              | 0        |
|                                      | 50      | 50        | 11.30                    |                              | 0        |
| 16QAM                                | 100     | 0         | 11.31                    | 0-1                          | 0        |
|                                      | 1       | 0         | 11.30                    |                              | 0        |
|                                      | 1       | 50        | 11.47                    |                              | 0        |
|                                      | 1       | 99        | 11.44                    | 0-2                          | 0        |
|                                      | 50      | 0         | 11.20                    |                              | 0        |
|                                      | 50      | 25        | 11.13                    |                              | 0        |
| 64QAM                                | 50      | 50        | 11.13                    | 0-2                          | 0        |
|                                      | 100     | 0         | 11.12                    |                              | 0        |
|                                      | 1       | 0         | 11.10                    | 0-3                          | 0        |
|                                      | 1       | 50        | 11.13                    |                              | 0        |
|                                      | 1       | 99        | 11.26                    |                              | 0        |
|                                      | 50      | 0         | 11.07                    | 0-3                          | 0        |
|                                      | 50      | 25        | 11.10                    |                              | 0        |
|                                      | 50      | 50        | 11.12                    |                              | 0        |
|                                      | 100     | 0         | 11.12                    |                              | 0        |

**Note:** LTE Band 4 at 20 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

**Table 8-92**  
**LTE Band 4 Conducted Powers Ant 4a - 15 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20025<br>(1717.5 MHz) | 20175<br>(1732.5 MHz) | 20325<br>(1747.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 11.05                 | 11.26                 | 11.23                 | 0                            | 0        |
|                                      | 1       | 36        | 11.15                 | 11.39                 | 11.13                 |                              | 0        |
|                                      | 1       | 74        | 11.49                 | 11.28                 | 11.10                 |                              | 0        |
|                                      | 36      | 0         | 11.21                 | 11.30                 | 11.14                 | 0-1                          | 0        |
|                                      | 36      | 18        | 11.31                 | 11.33                 | 11.17                 |                              | 0        |
|                                      | 36      | 37        | 11.37                 | 11.27                 | 11.19                 |                              | 0        |
|                                      | 75      | 0         | 11.30                 | 11.34                 | 11.16                 | 0                            |          |
| 16QAM                                | 1       | 0         | 11.19                 | 11.35                 | 11.26                 | 0-1                          | 0        |
|                                      | 1       | 36        | 11.37                 | 11.48                 | 11.04                 |                              | 0        |
|                                      | 1       | 74        | 11.58                 | 11.36                 | 11.20                 |                              | 0        |
|                                      | 36      | 0         | 11.23                 | 11.30                 | 11.19                 | 0-2                          | 0        |
|                                      | 36      | 18        | 11.35                 | 11.34                 | 11.18                 |                              | 0        |
|                                      | 36      | 37        | 11.37                 | 11.32                 | 11.21                 |                              | 0        |
|                                      | 75      | 0         | 11.30                 | 11.35                 | 11.08                 | 0                            |          |
| 64QAM                                | 1       | 0         | 10.99                 | 11.40                 | 11.27                 | 0-2                          | 0        |
|                                      | 1       | 36        | 10.98                 | 11.41                 | 10.95                 |                              | 0        |
|                                      | 1       | 74        | 11.25                 | 11.21                 | 11.23                 |                              | 0        |
|                                      | 36      | 0         | 10.94                 | 11.32                 | 11.05                 | 0-3                          | 0        |
|                                      | 36      | 18        | 10.96                 | 11.31                 | 11.09                 |                              | 0        |
|                                      | 36      | 37        | 11.23                 | 11.20                 | 11.12                 |                              | 0        |
|                                      | 75      | 0         | 11.15                 | 11.31                 | 11.11                 | 0                            |          |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 90 of 284                  |

**Table 8-93**  
**LTE Band 4 Conducted Powers Ant 4a - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20000<br>(1715.0 MHz) | 20175<br>(1732.5 MHz) | 20350<br>(1750.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 11.06                 | 11.27                 | 11.20                 | 0                            | 0        |
|                                      | 1       | 25        | 10.97                 | 11.35                 | 11.16                 |                              | 0        |
|                                      | 1       | 49        | 11.11                 | 11.32                 | 11.03                 |                              | 0        |
|                                      | 25      | 0         | 11.03                 | 11.33                 | 11.13                 | 0-1                          | 0        |
|                                      | 25      | 12        | 10.92                 | 11.33                 | 11.11                 |                              | 0        |
|                                      | 25      | 25        | 10.97                 | 11.34                 | 10.96                 |                              | 0        |
| 16QAM                                | 50      | 0         | 10.93                 | 11.33                 | 11.08                 | 0-1                          | 0        |
|                                      | 1       | 0         | 10.92                 | 11.46                 | 11.15                 |                              | 0        |
|                                      | 1       | 25        | 10.86                 | 11.40                 | 11.23                 |                              | 0        |
|                                      | 1       | 49        | 10.90                 | 11.39                 | 11.13                 | 0-2                          | 0        |
|                                      | 25      | 0         | 11.01                 | 11.36                 | 11.15                 |                              | 0        |
|                                      | 25      | 12        | 10.93                 | 11.39                 | 11.09                 |                              | 0        |
| 64QAM                                | 25      | 25        | 10.95                 | 11.40                 | 10.94                 | 0-2                          | 0        |
|                                      | 50      | 0         | 10.95                 | 11.37                 | 11.06                 |                              | 0        |
|                                      | 1       | 0         | 11.01                 | 11.37                 | 11.07                 |                              | 0-2      |
|                                      | 1       | 25        | 11.08                 | 11.33                 | 11.22                 | 0                            |          |
|                                      | 1       | 49        | 11.31                 | 11.18                 | 11.14                 | 0                            |          |
|                                      | 64QAM   | 25        | 0                     | 11.08                 | 11.12                 | 10.99                        | 0-3      |
| 25                                   |         | 12        | 10.90                 | 11.20                 | 10.97                 | 0                            |          |
| 25                                   |         | 25        | 10.89                 | 11.18                 | 10.83                 | 0                            |          |
| 50                                   |         | 0         | 10.93                 | 11.21                 | 11.04                 |                              | 0        |

**Table 8-94**  
**LTE Band 4 Conducted Powers Ant 4a - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 19975<br>(1712.5 MHz) | 20175<br>(1732.5 MHz) | 20375<br>(1752.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 11.17                 | 11.14                 | 11.10                 | 0                            | 0        |
|                                     | 1       | 12        | 11.13                 | 11.17                 | 11.02                 |                              | 0        |
|                                     | 1       | 24        | 11.02                 | 11.19                 | 11.24                 |                              | 0        |
|                                     | 12      | 0         | 11.25                 | 11.28                 | 11.20                 | 0-1                          | 0        |
|                                     | 12      | 6         | 11.19                 | 11.29                 | 11.17                 |                              | 0        |
|                                     | 12      | 13        | 11.15                 | 11.27                 | 11.16                 |                              | 0        |
| 16QAM                               | 25      | 0         | 11.22                 | 11.30                 | 11.20                 | 0-1                          | 0        |
|                                     | 1       | 0         | 11.25                 | 11.42                 | 11.33                 |                              | 0        |
|                                     | 1       | 12        | 11.20                 | 11.38                 | 11.25                 |                              | 0        |
|                                     | 1       | 24        | 11.13                 | 11.34                 | 11.35                 | 0-2                          | 0        |
|                                     | 12      | 0         | 11.32                 | 11.34                 | 11.27                 |                              | 0        |
|                                     | 12      | 6         | 11.24                 | 11.39                 | 11.17                 |                              | 0        |
| 64QAM                               | 12      | 13        | 11.15                 | 11.32                 | 11.13                 | 0-2                          | 0        |
|                                     | 25      | 0         | 11.25                 | 11.25                 | 11.18                 |                              | 0        |
|                                     | 1       | 0         | 11.01                 | 11.17                 | 11.08                 |                              | 0-2      |
|                                     | 1       | 12        | 10.96                 | 10.92                 | 10.95                 | 0                            |          |
|                                     | 1       | 24        | 10.92                 | 11.25                 | 11.01                 | 0-3                          |          |
|                                     | 12      | 0         | 10.88                 | 11.12                 | 10.92                 |                              | 0        |
| 12                                  | 6       | 10.87     | 11.12                 | 10.96                 | 0                     |                              |          |
| 64QAM                               | 12      | 13        | 10.91                 | 11.12                 | 10.98                 | 0-3                          | 0        |
|                                     | 25      | 0         | 10.89                 | 11.13                 | 10.98                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 91 of 284                  |

**Table 8-95**  
**LTE Band 4 Conducted Powers Ant 4a - 3 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 19965<br>(1711.5 MHz) | 20175<br>(1732.5 MHz) | 20385<br>(1753.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 11.14                 | 11.14                 | 11.16                 | 0                            | 0        |
|                                     | 1       | 7         | 11.24                 | 11.27                 | 11.22                 |                              | 0        |
|                                     | 1       | 14        | 11.16                 | 11.17                 | 11.18                 |                              | 0        |
|                                     | 8       | 0         | 11.18                 | 11.21                 | 11.17                 | 0-1                          | 0        |
|                                     | 8       | 4         | 11.18                 | 11.22                 | 11.19                 |                              | 0        |
|                                     | 8       | 7         | 11.17                 | 11.22                 | 11.21                 |                              | 0        |
|                                     | 15      | 0         | 11.20                 | 11.23                 | 11.20                 | 0                            |          |
| 16QAM                               | 1       | 0         | 11.01                 | 11.15                 | 11.21                 | 0-1                          | 0        |
|                                     | 1       | 7         | 11.13                 | 11.21                 | 11.31                 |                              | 0        |
|                                     | 1       | 14        | 10.92                 | 11.28                 | 11.13                 |                              | 0        |
|                                     | 8       | 0         | 11.18                 | 11.29                 | 11.24                 | 0-2                          | 0        |
|                                     | 8       | 4         | 11.20                 | 11.31                 | 11.27                 |                              | 0        |
|                                     | 8       | 7         | 11.19                 | 11.30                 | 11.23                 |                              | 0        |
|                                     | 15      | 0         | 11.23                 | 11.24                 | 11.25                 | 0                            |          |
| 64QAM                               | 1       | 0         | 10.94                 | 11.16                 | 11.02                 | 0-2                          | 0        |
|                                     | 1       | 7         | 11.04                 | 11.14                 | 11.08                 |                              | 0        |
|                                     | 1       | 14        | 10.95                 | 11.15                 | 11.05                 |                              | 0        |
|                                     | 8       | 0         | 10.99                 | 11.08                 | 10.91                 | 0-3                          | 0        |
|                                     | 8       | 4         | 10.97                 | 11.05                 | 10.98                 |                              | 0        |
|                                     | 8       | 7         | 10.96                 | 11.08                 | 10.95                 |                              | 0        |
|                                     | 15      | 0         | 10.97                 | 11.07                 | 10.93                 | 0                            |          |

**Table 8-96**  
**LTE Band 4 Conducted Powers Ant 4a - 1.4 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 19957<br>(1710.7 MHz) | 20175<br>(1732.5 MHz) | 20393<br>(1754.3 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 11.17                 | 11.52                 | 11.21                 | 0                            | 0        |
|                                       | 1       | 2         | 11.13                 | 11.49                 | 11.16                 |                              | 0        |
|                                       | 1       | 5         | 11.22                 | 11.51                 | 11.20                 |                              | 0        |
|                                       | 3       | 0         | 11.13                 | 11.37                 | 11.10                 |                              | 0        |
|                                       | 3       | 2         | 11.12                 | 11.37                 | 11.09                 |                              | 0        |
|                                       | 3       | 3         | 11.15                 | 11.36                 | 11.10                 |                              | 0        |
|                                       | 6       | 0         | 11.15                 | 11.40                 | 11.11                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 11.15                 | 11.48                 | 11.16                 | 0-1                          | 0        |
|                                       | 1       | 2         | 11.14                 | 11.62                 | 11.20                 |                              | 0        |
|                                       | 1       | 5         | 11.32                 | 11.67                 | 11.31                 |                              | 0        |
|                                       | 3       | 0         | 11.24                 | 11.55                 | 11.27                 |                              | 0        |
|                                       | 3       | 2         | 11.20                 | 11.52                 | 11.15                 |                              | 0        |
|                                       | 3       | 3         | 11.31                 | 11.56                 | 11.25                 |                              | 0        |
|                                       | 6       | 0         | 11.24                 | 11.55                 | 11.22                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 11.05                 | 11.27                 | 11.01                 | 0-2                          | 0        |
|                                       | 1       | 2         | 10.96                 | 11.33                 | 10.94                 |                              | 0        |
|                                       | 1       | 5         | 10.92                 | 11.26                 | 11.01                 |                              | 0        |
|                                       | 3       | 0         | 11.04                 | 11.27                 | 10.91                 |                              | 0        |
|                                       | 3       | 2         | 10.98                 | 11.21                 | 10.88                 |                              | 0        |
|                                       | 3       | 3         | 11.00                 | 11.18                 | 10.96                 |                              | 0        |
|                                       | 6       | 0         | 10.95                 | 11.19                 | 10.89                 | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 92 of 284                  |

**Table 8-97**  
**LTE Band 4 Conducted Powers Ant 4b - 20 MHz Bandwidth**

| LTE Band 4 (AWS)<br>20 MHz Bandwidth |         |           |                          |                              |          |
|--------------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20175<br>(1732.5 MHz)    |                              |          |
|                                      |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                                 | 1       | 0         | 13.30                    | 0                            | 0        |
|                                      | 1       | 50        | 13.25                    |                              | 0        |
|                                      | 1       | 99        | 13.36                    |                              | 0        |
|                                      | 50      | 0         | 13.34                    | 0-1                          | 0        |
|                                      | 50      | 25        | 13.23                    |                              | 0        |
|                                      | 50      | 50        | 13.28                    |                              | 0        |
| 16QAM                                | 100     | 0         | 13.00                    | 0-1                          | 0        |
|                                      | 1       | 0         | 13.42                    |                              | 0        |
|                                      | 1       | 50        | 13.33                    |                              | 0        |
|                                      | 1       | 99        | 13.46                    | 0-2                          | 0        |
|                                      | 50      | 0         | 13.11                    |                              | 0        |
|                                      | 50      | 25        | 13.03                    |                              | 0        |
| 64QAM                                | 50      | 50        | 13.11                    | 0-2                          | 0        |
|                                      | 100     | 0         | 13.01                    |                              | 0        |
|                                      | 1       | 0         | 13.40                    | 0-3                          | 0        |
|                                      | 1       | 50        | 13.35                    |                              | 0        |
|                                      | 1       | 99        | 13.49                    |                              | 0        |
|                                      | 50      | 0         | 13.36                    |                              | 0        |
|                                      | 50      | 25        | 13.24                    |                              | 0        |
|                                      | 50      | 50        | 13.31                    |                              | 0        |
|                                      | 100     | 0         | 13.25                    |                              | 0        |

**Note:** LTE Band 4 at 20 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

**Table 8-98**  
**LTE Band 4 Conducted Powers Ant 4b - 15 MHz Bandwidth**

| LTE Band 4 (AWS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20025<br>(1717.5 MHz) | 20175<br>(1732.5 MHz) | 20325<br>(1747.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 13.02                 | 12.88                 | 12.98                 | 0                            | 0        |
|                                      | 1       | 36        | 13.14                 | 12.95                 | 13.25                 |                              | 0        |
|                                      | 1       | 74        | 12.95                 | 12.94                 | 13.10                 |                              | 0        |
|                                      | 36      | 0         | 13.03                 | 13.06                 | 13.12                 | 0-1                          | 0        |
|                                      | 36      | 18        | 13.08                 | 13.03                 | 13.34                 |                              | 0        |
|                                      | 36      | 37        | 12.96                 | 12.97                 | 13.29                 |                              | 0        |
| 16QAM                                | 75      | 0         | 13.06                 | 12.97                 | 13.31                 | 0-1                          | 0        |
|                                      | 1       | 0         | 13.18                 | 13.02                 | 13.18                 |                              | 0        |
|                                      | 1       | 36        | 13.30                 | 13.10                 | 13.46                 |                              | 0        |
|                                      | 1       | 74        | 12.95                 | 13.12                 | 13.35                 | 0-2                          | 0        |
|                                      | 36      | 0         | 13.10                 | 13.02                 | 13.21                 |                              | 0        |
|                                      | 36      | 18        | 13.11                 | 13.03                 | 13.46                 |                              | 0        |
| 64QAM                                | 36      | 37        | 12.99                 | 12.99                 | 13.42                 | 0-2                          | 0        |
|                                      | 75      | 0         | 13.10                 | 12.96                 | 13.40                 |                              | 0        |
|                                      | 1       | 0         | 13.06                 | 13.04                 | 13.31                 |                              | 0-2      |
|                                      | 1       | 36        | 13.15                 | 13.24                 | 13.49                 | 0                            |          |
|                                      | 1       | 74        | 13.02                 | 13.33                 | 13.38                 | 0                            |          |
|                                      | 36      | 0         | 13.06                 | 13.14                 | 13.15                 | 0-3                          | 0        |
| 36                                   | 18      | 13.11     | 13.13                 | 13.38                 | 0                     |                              |          |
| 36                                   | 37      | 12.99     | 13.10                 | 13.31                 | 0                     |                              |          |
|                                      | 75      | 0         | 13.10                 | 13.07                 | 13.31                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 93 of 284                  |

**Table 8-99**  
**LTE Band 4 Conducted Powers Ant 4b - 10 MHz Bandwidth**

| LTE Band 4 (AWS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20000<br>(1715.0 MHz) | 20175<br>(1732.5 MHz) | 20350<br>(1750.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 12.89                 | 12.91                 | 13.23                 | 0                            | 0        |
|                                      | 1       | 25        | 12.92                 | 12.93                 | 13.29                 |                              | 0        |
|                                      | 1       | 49        | 12.95                 | 12.98                 | 13.24                 |                              | 0        |
|                                      | 25      | 0         | 13.02                 | 13.03                 | 13.42                 | 0-1                          | 0        |
|                                      | 25      | 12        | 13.02                 | 12.99                 | 13.39                 |                              | 0        |
|                                      | 25      | 25        | 13.05                 | 13.00                 | 13.33                 |                              | 0        |
| 16QAM                                | 50      | 0         | 13.02                 | 13.00                 | 13.39                 | 0-1                          | 0        |
|                                      | 1       | 0         | 13.10                 | 13.11                 | 13.33                 |                              | 0        |
|                                      | 1       | 25        | 13.03                 | 13.09                 | 13.42                 |                              | 0        |
|                                      | 1       | 49        | 13.15                 | 13.27                 | 13.34                 | 0-2                          | 0        |
|                                      | 25      | 0         | 13.03                 | 13.02                 | 13.42                 |                              | 0        |
|                                      | 25      | 12        | 13.03                 | 13.00                 | 13.40                 |                              | 0        |
| 64QAM                                | 25      | 25        | 13.05                 | 13.03                 | 13.34                 | 0-2                          | 0        |
|                                      | 50      | 0         | 13.05                 | 12.99                 | 13.40                 |                              | 0        |
|                                      | 1       | 0         | 13.06                 | 13.07                 | 13.44                 |                              | 0-2      |
|                                      | 1       | 25        | 13.07                 | 13.16                 | 13.48                 | 0                            |          |
|                                      | 1       | 49        | 13.10                 | 13.22                 | 13.47                 | 0                            |          |
|                                      | 25      | 0         | 13.05                 | 13.04                 | 13.33                 | 0-3                          | 0        |
| 25                                   | 12      | 13.04     | 12.99                 | 13.27                 | 0                     |                              |          |
| 25                                   | 25      | 13.06     | 12.99                 | 13.25                 | 0                     |                              |          |
|                                      | 50      | 0         | 13.05                 | 13.02                 | 13.28                 |                              | 0        |

**Table 8-100**  
**LTE Band 4 Conducted Powers Ant 4b - 5 MHz Bandwidth**

| LTE Band 4 (AWS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 19975<br>(1712.5 MHz) | 20175<br>(1732.5 MHz) | 20375<br>(1752.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 12.91                 | 13.11                 | 13.26                 | 0                            | 0        |
|                                     | 1       | 12        | 12.90                 | 13.02                 | 13.15                 |                              | 0        |
|                                     | 1       | 24        | 12.90                 | 12.99                 | 13.11                 |                              | 0        |
|                                     | 12      | 0         | 13.01                 | 13.06                 | 13.38                 | 0-1                          | 0        |
|                                     | 12      | 6         | 13.00                 | 13.01                 | 13.30                 |                              | 0        |
|                                     | 12      | 13        | 12.99                 | 12.95                 | 13.29                 |                              | 0        |
| 16QAM                               | 25      | 0         | 13.00                 | 13.01                 | 13.30                 | 0-1                          | 0        |
|                                     | 1       | 0         | 13.19                 | 13.14                 | 13.36                 |                              | 0        |
|                                     | 1       | 12        | 13.19                 | 13.03                 | 13.33                 |                              | 0        |
|                                     | 1       | 24        | 13.20                 | 12.96                 | 13.18                 | 0-2                          | 0        |
|                                     | 12      | 0         | 13.11                 | 13.00                 | 13.39                 |                              | 0        |
|                                     | 12      | 6         | 13.07                 | 12.96                 | 13.30                 |                              | 0        |
| 64QAM                               | 12      | 13        | 13.07                 | 12.92                 | 13.31                 | 0-2                          | 0        |
|                                     | 25      | 0         | 13.08                 | 12.94                 | 13.32                 |                              | 0        |
|                                     | 1       | 0         | 13.10                 | 13.11                 | 13.49                 |                              | 0-2      |
|                                     | 1       | 12        | 12.97                 | 13.13                 | 13.48                 | 0                            |          |
|                                     | 1       | 24        | 13.02                 | 13.13                 | 13.36                 | 0-3                          |          |
|                                     | 12      | 0         | 12.96                 | 13.00                 | 13.43                 |                              | 0        |
| 12                                  | 6       | 12.97     | 12.93                 | 13.33                 | 0                     |                              |          |
|                                     | 12      | 13        | 12.96                 | 12.91                 | 13.33                 | 0-3                          | 0        |
|                                     | 25      | 0         | 12.97                 | 12.97                 | 13.32                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 94 of 284                         |

**Table 8-101**  
**LTE Band 4 Conducted Powers Ant 4b - 3 MHz Bandwidth**

| LTE Band 4 (AWS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 19965<br>(1711.5 MHz) | 20175<br>(1732.5 MHz) | 20385<br>(1753.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 12.69                 | 12.92                 | 13.19                 | 0                            | 0        |
|                                     | 1       | 7         | 12.74                 | 12.97                 | 13.26                 |                              | 0        |
|                                     | 1       | 14        | 12.73                 | 12.85                 | 13.12                 |                              | 0        |
|                                     | 8       | 0         | 12.84                 | 13.03                 | 13.30                 | 0-1                          | 0        |
|                                     | 8       | 4         | 12.83                 | 13.03                 | 13.30                 |                              | 0        |
|                                     | 8       | 7         | 12.84                 | 13.00                 | 13.29                 |                              | 0        |
| 16QAM                               | 15      | 0         | 12.86                 | 13.05                 | 13.29                 | 0                            |          |
|                                     | 1       | 0         | 12.93                 | 13.00                 | 13.33                 | 0-1                          | 0        |
|                                     | 1       | 7         | 12.97                 | 13.03                 | 13.41                 |                              | 0        |
|                                     | 1       | 14        | 12.99                 | 13.01                 | 13.17                 |                              | 0        |
|                                     | 8       | 0         | 13.00                 | 12.96                 | 13.40                 | 0-2                          | 0        |
|                                     | 8       | 4         | 12.96                 | 12.95                 | 13.36                 |                              | 0        |
| 8                                   | 7       | 12.96     | 12.95                 | 13.38                 | 0                     |                              |          |
| 64QAM                               | 15      | 0         | 13.00                 | 12.96                 | 13.36                 | 0                            |          |
|                                     | 1       | 0         | 13.00                 | 13.18                 | 13.48                 | 0-2                          | 0        |
|                                     | 1       | 7         | 13.05                 | 13.13                 | 13.49                 |                              | 0        |
|                                     | 1       | 14        | 13.01                 | 13.11                 | 13.36                 |                              | 0        |
|                                     | 8       | 0         | 13.01                 | 13.06                 | 13.34                 | 0-3                          | 0        |
|                                     | 8       | 4         | 13.03                 | 13.05                 | 13.28                 |                              | 0        |
| 8                                   | 7       | 13.02     | 13.05                 | 13.34                 | 0                     |                              |          |
|                                     | 15      | 0         | 12.99                 | 13.02                 | 13.31                 | 0                            |          |

**Table 8-102**  
**LTE Band 4 Conducted Powers Ant 4b - 1.4 MHz Bandwidth**

| LTE Band 4 (AWS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 19957<br>(1710.7 MHz) | 20175<br>(1732.5 MHz) | 20393<br>(1754.3 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 12.82                 | 13.08                 | 13.24                 | 0                            | 0        |
|                                       | 1       | 2         | 12.77                 | 13.06                 | 13.23                 |                              | 0        |
|                                       | 1       | 5         | 12.84                 | 13.07                 | 13.20                 |                              | 0        |
|                                       | 3       | 0         | 12.87                 | 13.04                 | 13.35                 |                              | 0        |
|                                       | 3       | 2         | 12.88                 | 12.99                 | 13.31                 |                              | 0        |
|                                       | 3       | 3         | 12.89                 | 12.97                 | 13.26                 |                              | 0        |
|                                       | 6       | 0         | 12.87                 | 13.02                 | 13.27                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 13.06                 | 13.22                 | 13.37                 | 0-1                          | 0        |
|                                       | 1       | 2         | 12.98                 | 13.12                 | 13.41                 |                              | 0        |
|                                       | 1       | 5         | 13.02                 | 13.27                 | 13.29                 |                              | 0        |
|                                       | 3       | 0         | 13.01                 | 13.08                 | 13.25                 |                              | 0        |
|                                       | 3       | 2         | 12.94                 | 13.07                 | 13.28                 |                              | 0        |
|                                       | 3       | 3         | 13.06                 | 13.09                 | 13.27                 |                              | 0        |
|                                       | 6       | 0         | 12.88                 | 13.04                 | 13.31                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 13.07                 | 13.13                 | 13.46                 | 0-2                          | 0        |
|                                       | 1       | 2         | 12.99                 | 13.08                 | 13.48                 |                              | 0        |
|                                       | 1       | 5         | 13.16                 | 13.24                 | 13.32                 |                              | 0        |
|                                       | 3       | 0         | 13.06                 | 13.10                 | 13.27                 |                              | 0        |
|                                       | 3       | 2         | 13.09                 | 13.14                 | 13.21                 |                              | 0        |
|                                       | 3       | 3         | 12.96                 | 13.13                 | 13.21                 |                              | 0        |
|                                       | 6       | 0         | 13.05                 | 13.02                 | 13.30                 | 0-3                          | 0        |

|                                         |                                                                                                   |                              |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   | Page 95 of 284                  |

**Table 8-103**  
**LTE Band 4 Conducted Powers Ant 4b - 20 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>20 MHz Bandwidth |         |           |                          |                              |          |
|--------------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20175<br>(1732.5 MHz)    |                              |          |
|                                      |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                                 | 1       | 0         | 10.05                    | 0                            | 0        |
|                                      | 1       | 50        | 10.20                    |                              | 0        |
|                                      | 1       | 99        | 10.31                    |                              | 0        |
|                                      | 50      | 0         | 10.10                    | 0-1                          | 0        |
|                                      | 50      | 25        | 10.15                    |                              | 0        |
|                                      | 50      | 50        | 10.28                    |                              | 0        |
| 16QAM                                | 100     | 0         | 10.20                    | 0-1                          | 0        |
|                                      | 1       | 0         | 10.30                    |                              | 0        |
|                                      | 1       | 50        | 10.49                    |                              | 0        |
|                                      | 1       | 99        | 10.32                    | 0-2                          | 0        |
|                                      | 50      | 0         | 10.01                    |                              | 0        |
|                                      | 50      | 25        | 9.98                     |                              | 0        |
| 64QAM                                | 50      | 50        | 10.30                    | 0-2                          | 0        |
|                                      | 100     | 0         | 10.13                    |                              | 0        |
|                                      | 1       | 0         | 10.20                    | 0-3                          | 0        |
|                                      | 1       | 50        | 10.37                    |                              | 0        |
|                                      | 1       | 99        | 10.43                    |                              | 0        |
|                                      | 50      | 0         | 9.94                     | 0-3                          | 0        |
|                                      | 50      | 25        | 9.97                     |                              | 0        |
|                                      | 50      | 50        | 10.01                    |                              | 0        |
|                                      | 100     | 0         | 9.96                     |                              | 0        |

**Note:** LTE Band 4 at 20 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

**Table 8-104**  
**LTE Band 4 Conducted Powers Ant 4b - 15 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20025<br>(1717.5 MHz) | 20175<br>(1732.5 MHz) | 20325<br>(1747.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 10.07                 | 9.96                  | 10.02                 | 0                            | 0        |
|                                      | 1       | 36        | 10.13                 | 9.88                  | 10.44                 |                              | 0        |
|                                      | 1       | 74        | 9.98                  | 9.97                  | 10.29                 |                              | 0        |
|                                      | 36      | 0         | 10.16                 | 9.99                  | 10.35                 | 0-1                          | 0        |
|                                      | 36      | 18        | 10.19                 | 9.93                  | 10.50                 |                              | 0        |
|                                      | 36      | 37        | 10.06                 | 9.93                  | 10.47                 |                              | 0        |
|                                      | 75      | 0         | 10.20                 | 9.90                  | 10.45                 |                              | 0        |
| 16QAM                                | 1       | 0         | 10.26                 | 9.85                  | 10.40                 | 0-1                          | 0        |
|                                      | 1       | 36        | 10.19                 | 10.08                 | 10.50                 |                              | 0        |
|                                      | 1       | 74        | 10.12                 | 10.04                 | 10.49                 |                              | 0        |
|                                      | 36      | 0         | 10.19                 | 9.98                  | 10.38                 | 0-2                          | 0        |
|                                      | 36      | 18        | 10.23                 | 9.94                  | 10.47                 |                              | 0        |
|                                      | 36      | 37        | 10.09                 | 9.94                  | 10.45                 |                              | 0        |
|                                      | 75      | 0         | 10.23                 | 9.91                  | 10.44                 |                              | 0        |
| 64QAM                                | 1       | 0         | 10.05                 | 10.14                 | 10.45                 | 0-2                          | 0        |
|                                      | 1       | 36        | 10.15                 | 10.41                 | 10.50                 |                              | 0        |
|                                      | 1       | 74        | 10.00                 | 10.47                 | 10.49                 |                              | 0        |
|                                      | 36      | 0         | 9.98                  | 10.23                 | 10.31                 | 0-3                          | 0        |
|                                      | 36      | 18        | 10.03                 | 10.28                 | 10.41                 |                              | 0        |
|                                      | 36      | 37        | 9.94                  | 10.29                 | 10.43                 |                              | 0        |
|                                      | 75      | 0         | 10.06                 | 10.21                 | 10.45                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 96 of 284                  |

**Table 8-105**  
**LTE Band 4 Conducted Powers Ant 4b - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 20000<br>(1715.0 MHz) | 20175<br>(1732.5 MHz) | 20350<br>(1750.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 9.83                  | 9.89                  | 9.96                  | 0                            | 0        |
|                                      | 1       | 25        | 9.98                  | 9.98                  | 10.10                 |                              | 0        |
|                                      | 1       | 49        | 9.95                  | 10.12                 | 10.05                 |                              | 0        |
|                                      | 25      | 0         | 10.08                 | 9.97                  | 10.19                 | 0-1                          | 0        |
|                                      | 25      | 12        | 10.06                 | 10.02                 | 10.21                 |                              | 0        |
|                                      | 25      | 25        | 10.07                 | 10.06                 | 10.11                 |                              | 0        |
| 16QAM                                | 50      | 0         | 10.06                 | 10.00                 | 10.21                 | 0-1                          | 0        |
|                                      | 1       | 0         | 10.14                 | 9.99                  | 10.10                 |                              | 0        |
|                                      | 1       | 25        | 10.16                 | 10.13                 | 10.24                 |                              | 0        |
|                                      | 1       | 49        | 10.09                 | 10.35                 | 10.07                 | 0-2                          | 0        |
|                                      | 25      | 0         | 10.11                 | 10.03                 | 10.22                 |                              | 0        |
|                                      | 25      | 12        | 10.09                 | 10.05                 | 10.25                 |                              | 0        |
| 64QAM                                | 25      | 25        | 10.10                 | 9.85                  | 10.13                 | 0-2                          | 0        |
|                                      | 50      | 0         | 9.96                  | 9.82                  | 10.24                 |                              | 0        |
|                                      | 1       | 0         | 9.53                  | 10.01                 | 10.33                 |                              | 0-2      |
|                                      | 1       | 25        | 9.62                  | 9.97                  | 10.26                 | 0                            |          |
|                                      | 1       | 49        | 9.74                  | 10.00                 | 10.03                 | 0-3                          |          |
|                                      | 25      | 0         | 9.75                  | 9.65                  | 10.18                 |                              | 0        |
| 25                                   | 12      | 9.71      | 9.61                  | 10.18                 | 0                     |                              |          |
| 64QAM                                | 25      | 25        | 9.74                  | 9.65                  | 10.02                 | 0-3                          | 0        |
|                                      | 50      | 0         | 9.74                  | 9.64                  | 10.13                 |                              | 0        |

**Table 8-106**  
**LTE Band 4 Conducted Powers Ant 4b - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 19975<br>(1712.5 MHz) | 20175<br>(1732.5 MHz) | 20375<br>(1752.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 9.77                  | 9.84                  | 10.47                 | 0                            | 0        |
|                                     | 1       | 12        | 9.81                  | 9.95                  | 10.35                 |                              | 0        |
|                                     | 1       | 24        | 9.85                  | 9.88                  | 10.24                 |                              | 0        |
|                                     | 12      | 0         | 9.94                  | 10.03                 | 10.47                 | 0-1                          | 0        |
|                                     | 12      | 6         | 9.96                  | 9.98                  | 10.40                 |                              | 0        |
|                                     | 12      | 13        | 10.01                 | 9.94                  | 10.40                 |                              | 0        |
| 16QAM                               | 25      | 0         | 9.98                  | 9.94                  | 10.41                 | 0-1                          | 0        |
|                                     | 1       | 0         | 10.06                 | 9.92                  | 10.47                 |                              | 0        |
|                                     | 1       | 12        | 10.11                 | 10.05                 | 10.49                 | 0-2                          | 0        |
|                                     | 1       | 24        | 10.03                 | 10.10                 | 10.45                 |                              | 0        |
|                                     | 12      | 0         | 10.02                 | 9.99                  | 10.50                 |                              | 0        |
|                                     | 12      | 6         | 10.06                 | 9.98                  | 10.42                 |                              | 0        |
| 64QAM                               | 12      | 13        | 10.06                 | 9.92                  | 10.37                 | 0-3                          | 0        |
|                                     | 25      | 0         | 9.95                  | 9.98                  | 10.43                 |                              | 0        |
|                                     | 1       | 0         | 9.74                  | 10.10                 | 10.50                 | 0-2                          | 0        |
|                                     | 1       | 12        | 9.76                  | 10.30                 | 10.36                 |                              | 0        |
|                                     | 1       | 24        | 9.82                  | 10.34                 | 10.36                 | 0-3                          | 0        |
|                                     | 12      | 0         | 9.82                  | 10.14                 | 10.43                 |                              | 0        |
| 12                                  | 6       | 9.81      | 10.12                 | 10.32                 | 0                     |                              |          |
| 12                                  | 13      | 9.87      | 10.09                 | 10.31                 | 0                     |                              |          |
|                                     | 25      | 0         | 9.79                  | 10.14                 | 10.35                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 97 of 284                  |

**Table 8-107**  
**LTE Band 4 Conducted Powers Ant 4b - 3 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 19965<br>(1711.5 MHz) | 20175<br>(1732.5 MHz) | 20385<br>(1753.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 9.75                  | 9.97                  | 10.32                 | 0                            | 0        |
|                                     | 1       | 7         | 9.79                  | 9.94                  | 10.37                 |                              | 0        |
|                                     | 1       | 14        | 9.76                  | 9.82                  | 10.19                 |                              | 0        |
|                                     | 8       | 0         | 9.91                  | 10.04                 | 10.41                 | 0-1                          | 0        |
|                                     | 8       | 4         | 9.86                  | 10.01                 | 10.42                 |                              | 0        |
|                                     | 8       | 7         | 9.89                  | 9.96                  | 10.42                 |                              | 0        |
|                                     | 15      | 0         | 9.89                  | 10.02                 | 10.43                 |                              | 0        |
| 16QAM                               | 1       | 0         | 9.66                  | 10.09                 | 10.36                 | 0-1                          | 0        |
|                                     | 1       | 7         | 9.87                  | 10.18                 | 10.48                 |                              | 0        |
|                                     | 1       | 14        | 9.89                  | 9.95                  | 10.45                 |                              | 0        |
|                                     | 8       | 0         | 9.87                  | 10.08                 | 10.44                 | 0-2                          | 0        |
|                                     | 8       | 4         | 9.84                  | 10.09                 | 10.50                 |                              | 0        |
|                                     | 8       | 7         | 9.89                  | 10.01                 | 10.46                 |                              | 0        |
|                                     | 15      | 0         | 9.94                  | 10.04                 | 10.46                 |                              | 0        |
| 64QAM                               | 1       | 0         | 9.83                  | 9.93                  | 10.32                 | 0-2                          | 0        |
|                                     | 1       | 7         | 9.90                  | 10.06                 | 10.36                 |                              | 0        |
|                                     | 1       | 14        | 9.69                  | 9.98                  | 10.30                 |                              | 0        |
|                                     | 8       | 0         | 9.83                  | 9.86                  | 10.26                 | 0-3                          | 0        |
|                                     | 8       | 4         | 9.74                  | 9.86                  | 10.23                 |                              | 0        |
|                                     | 8       | 7         | 9.84                  | 9.81                  | 10.26                 |                              | 0        |
|                                     | 15      | 0         | 9.75                  | 9.86                  | 10.25                 |                              | 0        |

**Table 8-108**  
**LTE Band 4 Conducted Powers Ant 4b - 1.4 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 4 (AWS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 19957<br>(1710.7 MHz) | 20175<br>(1732.5 MHz) | 20393<br>(1754.3 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 9.86                  | 10.07                 | 10.44                 | 0                            | 0        |
|                                       | 1       | 2         | 9.83                  | 10.05                 | 10.41                 |                              | 0        |
|                                       | 1       | 5         | 9.85                  | 10.04                 | 10.37                 |                              | 0        |
|                                       | 3       | 0         | 9.81                  | 9.93                  | 10.28                 |                              | 0        |
|                                       | 3       | 2         | 9.80                  | 9.94                  | 10.29                 |                              | 0        |
|                                       | 3       | 3         | 9.81                  | 9.93                  | 10.23                 |                              | 0        |
|                                       | 6       | 0         | 9.81                  | 9.92                  | 10.31                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 9.91                  | 10.14                 | 10.44                 | 0-1                          | 0        |
|                                       | 1       | 2         | 9.95                  | 10.03                 | 10.50                 |                              | 0        |
|                                       | 1       | 5         | 9.89                  | 10.12                 | 10.46                 |                              | 0        |
|                                       | 3       | 0         | 9.87                  | 10.06                 | 10.39                 |                              | 0        |
|                                       | 3       | 2         | 9.98                  | 10.07                 | 10.41                 |                              | 0        |
|                                       | 3       | 3         | 9.97                  | 9.97                  | 10.27                 |                              | 0        |
|                                       | 6       | 0         | 9.82                  | 10.05                 | 10.45                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 9.82                  | 9.95                  | 10.32                 | 0-2                          | 0        |
|                                       | 1       | 2         | 9.82                  | 9.94                  | 10.27                 |                              | 0        |
|                                       | 1       | 5         | 9.77                  | 10.01                 | 10.25                 |                              | 0        |
|                                       | 3       | 0         | 9.74                  | 9.92                  | 10.41                 |                              | 0        |
|                                       | 3       | 2         | 9.89                  | 9.94                  | 10.27                 |                              | 0        |
|                                       | 3       | 3         | 9.86                  | 9.90                  | 10.46                 |                              | 0        |
|                                       | 6       | 0         | 9.83                  | 9.78                  | 10.33                 | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 98 of 284                  |

### 8.3.6

### LTE Band 66

**Table 8-109**  
**LTE Band 66 Conducted Powers Ant 2a - 20 MHz Bandwidth**

| LTE Band 66 (AWS)<br>20 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132072<br>(1720.0 MHz) | 132322<br>(1745.0 MHz) | 132572<br>(1770.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 14.90                  | 14.53                  | 14.37                  | 0                            | 0        |
|                                       | 1       | 50        | 14.61                  | 14.52                  | 14.72                  |                              | 0        |
|                                       | 1       | 99        | 14.48                  | 14.41                  | 14.45                  |                              | 0        |
|                                       | 50      | 0         | 14.81                  | 14.68                  | 14.54                  | 0-1                          | 0        |
|                                       | 50      | 25        | 14.54                  | 14.54                  | 14.58                  |                              | 0        |
|                                       | 50      | 50        | 14.31                  | 14.48                  | 14.80                  |                              | 0        |
| 16QAM                                 | 100     | 0         | 14.46                  | 14.54                  | 14.65                  | 0-1                          | 0        |
|                                       | 1       | 0         | 14.57                  | 14.48                  | 14.25                  |                              | 0        |
|                                       | 1       | 50        | 14.23                  | 14.47                  | 14.31                  |                              | 0        |
|                                       | 1       | 99        | 14.07                  | 14.36                  | 14.36                  | 0-2                          | 0        |
|                                       | 50      | 0         | 14.27                  | 14.34                  | 14.08                  |                              | 0        |
|                                       | 50      | 25        | 14.09                  | 14.29                  | 14.11                  |                              | 0        |
| 64QAM                                 | 50      | 50        | 13.95                  | 14.29                  | 14.13                  | 0-2                          | 0        |
|                                       | 100     | 0         | 14.07                  | 14.31                  | 14.15                  |                              | 0        |
|                                       | 1       | 0         | 14.50                  | 14.44                  | 14.31                  |                              | 0-2      |
|                                       | 1       | 50        | 14.16                  | 14.40                  | 14.32                  | 0                            |          |
|                                       | 1       | 99        | 14.00                  | 14.32                  | 14.31                  | 0                            |          |
|                                       | 50      | 0         | 14.22                  | 14.34                  | 14.07                  | 0-3                          | 0        |
| 50                                    | 25      | 14.06     | 14.30                  | 14.09                  | 0                      |                              |          |
| 50                                    | 50      | 14.00     | 14.29                  | 14.13                  | 0                      |                              |          |
|                                       | 100     | 0         | 14.02                  | 14.31                  | 14.15                  |                              | 0        |

**Table 8-110**  
**LTE Band 66 Conducted Powers Ant 2a - 15 MHz Bandwidth**

| LTE Band 66 (AWS)<br>15 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132047<br>(1717.5 MHz) | 132322<br>(1745.0 MHz) | 132597<br>(1772.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 14.58                  | 14.57                  | 14.30                  | 0                            | 0        |
|                                       | 1       | 36        | 14.32                  | 14.55                  | 14.54                  |                              | 0        |
|                                       | 1       | 74        | 14.10                  | 14.46                  | 14.45                  |                              | 0        |
|                                       | 36      | 0         | 14.51                  | 14.66                  | 14.41                  | 0-1                          | 0        |
|                                       | 36      | 18        | 14.31                  | 14.68                  | 14.59                  |                              | 0        |
|                                       | 36      | 37        | 14.19                  | 14.63                  | 14.56                  |                              | 0        |
|                                       | 75      | 0         | 14.30                  | 14.65                  | 14.57                  |                              | 0        |
| 16QAM                                 | 1       | 0         | 14.49                  | 14.89                  | 14.35                  | 0-1                          | 0        |
|                                       | 1       | 36        | 14.26                  | 14.54                  | 14.69                  |                              | 0        |
|                                       | 1       | 74        | 14.10                  | 14.58                  | 14.43                  |                              | 0        |
|                                       | 36      | 0         | 14.33                  | 14.36                  | 14.09                  | 0-2                          | 0        |
|                                       | 36      | 18        | 14.11                  | 14.35                  | 14.24                  |                              | 0        |
|                                       | 36      | 37        | 14.03                  | 14.32                  | 14.21                  |                              | 0        |
|                                       | 75      | 0         | 14.09                  | 14.33                  | 14.22                  |                              | 0        |
| 64QAM                                 | 1       | 0         | 14.39                  | 14.35                  | 13.94                  | 0-2                          | 0        |
|                                       | 1       | 36        | 14.19                  | 14.30                  | 14.23                  |                              | 0        |
|                                       | 1       | 74        | 14.00                  | 14.17                  | 14.12                  |                              | 0        |
|                                       | 36      | 0         | 14.27                  | 14.36                  | 14.04                  | 0-3                          | 0        |
|                                       | 36      | 18        | 14.07                  | 14.35                  | 14.21                  |                              | 0        |
|                                       | 36      | 37        | 14.03                  | 14.31                  | 14.19                  |                              | 0        |
|                                       | 75      | 0         | 14.05                  | 14.32                  | 14.21                  |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 99 of 284                  |

**Table 8-111**  
**LTE Band 66 Conducted Powers Ant 2a - 10 MHz Bandwidth**

| LTE Band 66 (AWS)<br>10 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132022<br>(1715.0 MHz) | 132322<br>(1745.0 MHz) | 132622<br>(1775.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 14.63                  | 14.63                  | 14.49                  | 0                            | 0        |
|                                       | 1       | 25        | 14.47                  | 14.51                  | 14.51                  |                              | 0        |
|                                       | 1       | 49        | 14.33                  | 14.51                  | 14.54                  |                              | 0        |
|                                       | 25      | 0         | 14.67                  | 14.69                  | 14.57                  | 0-1                          | 0        |
|                                       | 25      | 12        | 14.56                  | 14.64                  | 14.57                  |                              | 0        |
|                                       | 25      | 25        | 14.41                  | 14.64                  | 14.60                  |                              | 0        |
| 16QAM                                 | 50      | 0         | 14.50                  | 14.66                  | 14.59                  | 0-1                          | 0        |
|                                       | 1       | 0         | 14.58                  | 14.51                  | 14.59                  |                              | 0        |
|                                       | 1       | 25        | 14.43                  | 14.43                  | 14.46                  |                              | 0        |
|                                       | 1       | 49        | 14.29                  | 14.40                  | 14.46                  | 0-2                          | 0        |
|                                       | 25      | 0         | 14.42                  | 14.45                  | 14.33                  |                              | 0        |
|                                       | 25      | 12        | 14.34                  | 14.40                  | 14.33                  |                              | 0        |
| 64QAM                                 | 25      | 25        | 14.18                  | 14.40                  | 14.38                  | 0-2                          | 0        |
|                                       | 50      | 0         | 14.26                  | 14.40                  | 14.34                  |                              | 0        |
|                                       | 1       | 0         | 14.52                  | 14.37                  | 14.21                  |                              | 0        |
|                                       | 1       | 25        | 14.38                  | 14.24                  | 14.25                  | 0-2                          | 0        |
|                                       | 1       | 49        | 14.24                  | 14.25                  | 14.27                  |                              | 0        |
|                                       | 25      | 0         | 14.40                  | 14.42                  | 14.30                  | 0-3                          | 0        |
|                                       | 25      | 12        | 14.32                  | 14.38                  | 14.29                  |                              | 0        |
|                                       | 25      | 25        | 14.15                  | 14.36                  | 14.34                  |                              | 0        |
|                                       | 50      | 0         | 14.26                  | 14.39                  | 14.32                  |                              | 0        |

**Table 8-112**  
**LTE Band 66 Conducted Powers Ant 2a - 5 MHz Bandwidth**

| LTE Band 66 (AWS)<br>5 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|--------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 131997<br>(1712.5 MHz) | 132322<br>(1745.0 MHz) | 132647<br>(1777.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                 | 1       | 0         | 14.54                  | 14.52                  | 14.35                  | 0                            | 0        |
|                                      | 1       | 12        | 14.53                  | 14.47                  | 14.37                  |                              | 0        |
|                                      | 1       | 24        | 14.45                  | 14.49                  | 14.27                  |                              | 0        |
|                                      | 12      | 0         | 14.56                  | 14.63                  | 14.43                  | 0-1                          | 0        |
|                                      | 12      | 6         | 14.57                  | 14.60                  | 14.46                  |                              | 0        |
|                                      | 12      | 13        | 14.53                  | 14.58                  | 14.42                  |                              | 0        |
| 16QAM                                | 25      | 0         | 14.59                  | 14.61                  | 14.49                  | 0-1                          | 0        |
|                                      | 1       | 0         | 14.46                  | 14.59                  | 14.26                  |                              | 0        |
|                                      | 1       | 12        | 14.47                  | 14.54                  | 14.27                  |                              | 0        |
|                                      | 1       | 24        | 14.45                  | 14.66                  | 14.37                  | 0-2                          | 0        |
|                                      | 12      | 0         | 14.33                  | 14.32                  | 14.25                  |                              | 0        |
|                                      | 12      | 6         | 14.34                  | 14.24                  | 14.24                  |                              | 0        |
| 64QAM                                | 12      | 13        | 14.30                  | 14.29                  | 14.20                  | 0-2                          | 0        |
|                                      | 25      | 0         | 14.33                  | 14.31                  | 14.26                  |                              | 0        |
|                                      | 1       | 0         | 14.43                  | 14.50                  | 14.49                  |                              | 0-2      |
|                                      | 1       | 12        | 14.40                  | 14.45                  | 14.28                  | 0                            |          |
|                                      | 1       | 24        | 14.35                  | 14.60                  | 14.37                  | 0-3                          |          |
|                                      | 12      | 0         | 14.32                  | 14.30                  | 14.26                  |                              | 0        |
| 12                                   | 6       | 14.32     | 14.37                  | 14.32                  | 0                      |                              |          |
| 64QAM                                | 12      | 13        | 14.28                  | 14.26                  | 14.28                  | 0-3                          | 0        |
|                                      | 25      | 0         | 14.32                  | 14.36                  | 14.31                  |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 100 of 284                 |

**Table 8-113**  
**LTE Band 66 Conducted Powers Ant 2a - 3 MHz Bandwidth**

| LTE Band 66 (AWS)<br>3 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|--------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 131987<br>(1711.5 MHz) | 132322<br>(1745.0 MHz) | 132657<br>(1778.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                 | 1       | 0         | 14.45                  | 14.52                  | 14.50                  | 0                            | 0        |
|                                      | 1       | 7         | 14.50                  | 14.55                  | 14.50                  |                              | 0        |
|                                      | 1       | 14        | 14.47                  | 14.53                  | 14.36                  |                              | 0        |
|                                      | 8       | 0         | 14.55                  | 14.61                  | 14.54                  | 0-1                          | 0        |
|                                      | 8       | 4         | 14.54                  | 14.60                  | 14.46                  |                              | 0        |
|                                      | 8       | 7         | 14.56                  | 14.60                  | 14.48                  |                              | 0        |
| 16QAM                                | 15      | 0         | 14.55                  | 14.63                  | 14.49                  | 0-1                          | 0        |
|                                      | 1       | 0         | 14.36                  | 14.44                  | 14.51                  |                              | 0        |
|                                      | 1       | 7         | 14.42                  | 14.84                  | 14.41                  |                              | 0        |
|                                      | 1       | 14        | 14.42                  | 14.40                  | 14.57                  | 0-2                          | 0        |
|                                      | 8       | 0         | 14.30                  | 14.42                  | 14.30                  |                              | 0        |
|                                      | 8       | 4         | 14.29                  | 14.40                  | 14.23                  |                              | 0        |
| 64QAM                                | 8       | 7         | 14.33                  | 14.44                  | 14.20                  | 0-2                          | 0        |
|                                      | 15      | 0         | 14.30                  | 14.43                  | 14.26                  |                              | 0        |
|                                      | 1       | 0         | 14.36                  | 14.43                  | 14.56                  |                              | 0-2      |
|                                      | 1       | 7         | 14.42                  | 14.41                  | 14.44                  | 0                            |          |
|                                      | 1       | 14        | 14.31                  | 14.70                  | 14.37                  | 0                            |          |
|                                      | 8       | 0         | 14.28                  | 14.46                  | 14.25                  | 0-3                          | 0        |
| 8                                    | 4       | 14.29     | 14.37                  | 14.21                  | 0                      |                              |          |
| 8                                    | 7       | 14.29     | 14.42                  | 14.19                  | 0                      |                              |          |
| 64QAM                                | 15      | 0         | 14.31                  | 14.44                  | 14.22                  |                              | 0        |

**Table 8-114**  
**LTE Band 66 Conducted Powers Ant 2a - 1.4 MHz Bandwidth**

| LTE Band 66 (AWS)<br>1.4 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|----------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 131979<br>(1710.7 MHz) | 132322<br>(1745.0 MHz) | 132665<br>(1779.3 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                   | 1       | 0         | 14.42                  | 14.52                  | 14.54                  | 0                            | 0        |
|                                        | 1       | 2         | 14.41                  | 14.46                  | 14.52                  |                              | 0        |
|                                        | 1       | 5         | 14.43                  | 14.49                  | 14.47                  |                              | 0        |
|                                        | 3       | 0         | 14.44                  | 14.59                  | 14.43                  |                              | 0        |
|                                        | 3       | 2         | 14.43                  | 14.59                  | 14.44                  |                              | 0        |
|                                        | 3       | 3         | 14.43                  | 14.57                  | 14.35                  |                              | 0        |
|                                        | 6       | 0         | 14.45                  | 14.61                  | 14.49                  | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 14.37                  | 14.74                  | 14.41                  | 0-1                          | 0        |
|                                        | 1       | 2         | 14.35                  | 14.35                  | 14.50                  |                              | 0        |
|                                        | 1       | 5         | 14.40                  | 14.80                  | 14.52                  |                              | 0        |
|                                        | 3       | 0         | 14.27                  | 14.43                  | 14.29                  |                              | 0        |
|                                        | 3       | 2         | 14.28                  | 14.35                  | 14.26                  |                              | 0        |
|                                        | 3       | 3         | 14.28                  | 14.42                  | 14.19                  |                              | 0        |
|                                        | 6       | 0         | 14.26                  | 14.37                  | 14.25                  | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 14.35                  | 14.70                  | 14.39                  | 0-2                          | 0        |
|                                        | 1       | 2         | 14.33                  | 14.78                  | 14.39                  |                              | 0        |
|                                        | 1       | 5         | 14.37                  | 14.61                  | 14.38                  |                              | 0        |
|                                        | 3       | 0         | 14.27                  | 14.44                  | 14.22                  |                              | 0        |
|                                        | 3       | 2         | 14.26                  | 14.38                  | 14.11                  |                              | 0        |
|                                        | 3       | 3         | 14.26                  | 14.33                  | 14.16                  |                              | 0        |
|                                        | 6       | 0         | 14.24                  | 14.43                  | 14.18                  | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 101 of 284                 |

**Table 8-115**  
**LTE Band 66 Conducted Powers Ant 2a - 20 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 66 (AWS)<br>20 MHz Bandwidth |         |           |                        |                        |                        |                              |          |   |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|---|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |   |
|                                       |         |           | 132072<br>(1720.0 MHz) | 132322<br>(1745.0 MHz) | 132572<br>(1770.0 MHz) |                              |          |   |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |   |
| QPSK                                  | 1       | 0         | 11.87                  | 11.49                  | 11.46                  | 0                            | 0        |   |
|                                       | 1       | 50        | 11.63                  | 11.52                  | 11.56                  |                              | 0        |   |
|                                       | 1       | 99        | 11.54                  | 11.43                  | 11.61                  |                              | 0        |   |
|                                       | 50      | 0         | 11.65                  | 11.56                  | 11.42                  | 0-1                          | 0        |   |
|                                       | 50      | 25        | 11.59                  | 11.55                  | 11.48                  |                              | 0        |   |
|                                       | 50      | 50        | 11.38                  | 11.48                  | 11.58                  |                              | 0        |   |
| 16QAM                                 | 100     | 0         | 11.42                  | 11.49                  | 11.58                  | 0-1                          | 0        |   |
|                                       | 1       | 0         | 11.87                  | 11.46                  | 11.53                  |                              | 0-1      | 0 |
|                                       | 1       | 50        | 11.68                  | 11.60                  | 11.59                  |                              |          | 0 |
|                                       | 1       | 99        | 11.51                  | 11.47                  | 11.47                  | 0-2                          |          | 0 |
|                                       | 50      | 0         | 11.43                  | 11.39                  | 11.38                  |                              | 0        |   |
|                                       | 50      | 25        | 11.38                  | 11.39                  | 11.38                  |                              | 0        |   |
| 64QAM                                 | 50      | 50        | 11.06                  | 11.27                  | 11.27                  | 0-2                          | 0        |   |
|                                       | 100     | 0         | 11.31                  | 11.32                  | 11.31                  |                              | 0        |   |
|                                       | 1       | 0         | 11.69                  | 11.35                  | 11.48                  |                              | 0-2      | 0 |
|                                       | 1       | 50        | 11.65                  | 11.47                  | 11.58                  | 0                            |          |   |
|                                       | 1       | 99        | 11.56                  | 11.33                  | 11.39                  | 0                            |          |   |
|                                       | 50      | 0         | 11.11                  | 11.37                  | 11.42                  | 0-3                          | 0        |   |
| 50                                    | 25      | 11.27     | 11.35                  | 11.41                  | 0                      |                              |          |   |
| 50                                    | 50      | 11.34     | 11.27                  | 11.33                  | 0                      |                              |          |   |
|                                       | 100     | 0         | 11.29                  | 11.28                  | 11.32                  |                              | 0        |   |

**Table 8-116**  
**LTE Band 66 Conducted Powers Ant 2a - 15 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 66 (AWS)<br>15 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132047<br>(1717.5 MHz) | 132322<br>(1745.0 MHz) | 132597<br>(1772.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 11.69                  | 11.51                  | 11.25                  | 0                            | 0        |
|                                       | 1       | 36        | 11.53                  | 11.40                  | 11.27                  |                              | 0        |
|                                       | 1       | 74        | 11.36                  | 11.32                  | 11.35                  |                              | 0        |
|                                       | 36      | 0         | 11.66                  | 11.53                  | 11.23                  | 0-1                          | 0        |
|                                       | 36      | 18        | 11.45                  | 11.50                  | 11.40                  |                              | 0        |
|                                       | 36      | 37        | 11.35                  | 11.47                  | 11.42                  |                              | 0        |
|                                       | 75      | 0         | 11.46                  | 11.47                  | 11.40                  |                              | 0        |
| 16QAM                                 | 1       | 0         | 11.83                  | 11.77                  | 11.30                  | 0-1                          | 0        |
|                                       | 1       | 36        | 11.52                  | 11.48                  | 11.37                  |                              | 0        |
|                                       | 1       | 74        | 11.52                  | 11.47                  | 11.37                  |                              | 0        |
|                                       | 36      | 0         | 11.71                  | 11.51                  | 11.25                  | 0-2                          | 0        |
|                                       | 36      | 18        | 11.48                  | 11.52                  | 11.41                  |                              | 0        |
|                                       | 36      | 37        | 11.40                  | 11.49                  | 11.45                  |                              | 0        |
|                                       | 75      | 0         | 11.48                  | 11.50                  | 11.40                  |                              | 0        |
| 64QAM                                 | 1       | 0         | 11.66                  | 11.74                  | 11.17                  | 0-2                          | 0        |
|                                       | 1       | 36        | 11.27                  | 11.41                  | 11.46                  |                              | 0        |
|                                       | 1       | 74        | 11.42                  | 11.53                  | 11.53                  |                              | 0        |
|                                       | 36      | 0         | 11.67                  | 11.52                  | 11.26                  | 0-3                          | 0        |
|                                       | 36      | 18        | 11.45                  | 11.51                  | 11.45                  |                              | 0        |
|                                       | 36      | 37        | 11.36                  | 11.47                  | 11.44                  |                              | 0        |
|                                       | 75      | 0         | 11.45                  | 11.51                  | 11.41                  |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 102 of 284                 |

**Table 8-117**  
**LTE Band 66 Conducted Powers Ant 2a - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 66 (AWS)<br>10 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132022<br>(1715.0 MHz) | 132322<br>(1745.0 MHz) | 132622<br>(1775.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 11.50                  | 11.40                  | 11.24                  | 0                            | 0        |
|                                       | 1       | 25        | 11.36                  | 11.31                  | 11.31                  |                              | 0        |
|                                       | 1       | 49        | 11.22                  | 11.31                  | 11.37                  |                              | 0        |
|                                       | 25      | 0         | 11.63                  | 11.44                  | 11.37                  | 0-1                          | 0        |
|                                       | 25      | 12        | 11.55                  | 11.42                  | 11.37                  |                              | 0        |
|                                       | 25      | 25        | 11.40                  | 11.41                  | 11.43                  |                              | 0        |
| 16QAM                                 | 50      | 0         | 11.47                  | 11.42                  | 11.40                  | 0-1                          | 0        |
|                                       | 1       | 0         | 11.72                  | 11.55                  | 11.46                  |                              | 0        |
|                                       | 1       | 25        | 11.56                  | 11.43                  | 11.47                  |                              | 0        |
|                                       | 1       | 49        | 11.40                  | 11.44                  | 11.59                  | 0-2                          | 0        |
|                                       | 25      | 0         | 11.64                  | 11.45                  | 11.38                  |                              | 0        |
|                                       | 25      | 12        | 11.57                  | 11.41                  | 11.38                  |                              | 0        |
| 64QAM                                 | 25      | 25        | 11.43                  | 11.41                  | 11.45                  | 0-2                          | 0        |
|                                       | 50      | 0         | 11.47                  | 11.42                  | 11.38                  |                              | 0        |
|                                       | 1       | 0         | 11.71                  | 11.64                  | 11.73                  |                              | 0-2      |
|                                       | 1       | 25        | 11.57                  | 11.60                  | 11.72                  | 0                            |          |
|                                       | 1       | 49        | 11.46                  | 11.51                  | 11.52                  | 0-3                          |          |
|                                       | 25      | 0         | 11.69                  | 11.48                  | 11.36                  |                              | 0        |
| 25                                    | 12      | 11.58     | 11.43                  | 11.41                  | 0                      |                              |          |
| 64QAM                                 | 25      | 25        | 11.44                  | 11.45                  | 11.42                  | 0-3                          | 0        |
|                                       | 50      | 0         | 11.53                  | 11.44                  | 11.39                  |                              | 0        |

**Table 8-118**  
**LTE Band 66 Conducted Powers Ant 2a - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 66 (AWS)<br>5 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|--------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 131997<br>(1712.5 MHz) | 132322<br>(1745.0 MHz) | 132647<br>(1777.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                 | 1       | 0         | 11.51                  | 11.47                  | 11.22                  | 0                            | 0        |
|                                      | 1       | 12        | 11.54                  | 11.42                  | 11.22                  |                              | 0        |
|                                      | 1       | 24        | 11.55                  | 11.49                  | 11.15                  |                              | 0        |
|                                      | 12      | 0         | 11.60                  | 11.43                  | 11.36                  | 0-1                          | 0        |
|                                      | 12      | 6         | 11.64                  | 11.41                  | 11.36                  |                              | 0        |
|                                      | 12      | 13        | 11.64                  | 11.43                  | 11.33                  |                              | 0        |
| 16QAM                                | 25      | 0         | 11.66                  | 11.43                  | 11.38                  | 0-1                          | 0        |
|                                      | 1       | 0         | 11.82                  | 11.58                  | 11.37                  |                              | 0        |
|                                      | 1       | 12        | 11.66                  | 11.44                  | 11.37                  |                              | 0        |
|                                      | 1       | 24        | 11.86                  | 11.62                  | 11.31                  | 0-2                          | 0        |
|                                      | 12      | 0         | 11.64                  | 11.47                  | 11.42                  |                              | 0        |
|                                      | 12      | 6         | 11.69                  | 11.47                  | 11.44                  |                              | 0        |
| 64QAM                                | 12      | 13        | 11.68                  | 11.43                  | 11.40                  | 0-2                          | 0        |
|                                      | 25      | 0         | 11.65                  | 11.44                  | 11.37                  |                              | 0        |
|                                      | 1       | 0         | 11.64                  | 11.63                  | 11.40                  |                              | 0-2      |
|                                      | 1       | 12        | 11.75                  | 11.55                  | 11.57                  | 0                            |          |
|                                      | 1       | 24        | 11.66                  | 11.58                  | 11.52                  | 0-3                          |          |
|                                      | 12      | 0         | 11.62                  | 11.43                  | 11.36                  |                              | 0        |
| 12                                   | 6       | 11.66     | 11.40                  | 11.41                  | 0                      |                              |          |
| 64QAM                                | 12      | 13        | 11.68                  | 11.46                  | 11.39                  | 0-3                          | 0        |
|                                      | 25      | 0         | 11.68                  | 11.45                  | 11.40                  |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 103 of 284                        |

Table 8-119

## LTE Band 66 Conducted Powers Ant 2a - 3 MHz Bandwidth, Inter-band ULCA Active

| LTE Band 66 (AWS)<br>3 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|--------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 131987<br>(1711.5 MHz) | 132322<br>(1745.0 MHz) | 132657<br>(1778.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                 | 1       | 0         | 11.36                  | 11.32                  | 11.15                  | 0                            | 0        |
|                                      | 1       | 7         | 11.45                  | 11.34                  | 11.21                  |                              | 0        |
|                                      | 1       | 14        | 11.44                  | 11.30                  | 11.10                  |                              | 0        |
|                                      | 8       | 0         | 11.50                  | 11.41                  | 11.32                  | 0-1                          | 0        |
|                                      | 8       | 4         | 11.52                  | 11.41                  | 11.26                  |                              | 0        |
|                                      | 8       | 7         | 11.55                  | 11.41                  | 11.31                  |                              | 0        |
| 16QAM                                | 15      | 0         | 11.58                  | 11.44                  | 11.29                  | 0-1                          | 0        |
|                                      | 1       | 0         | 11.46                  | 11.53                  | 11.16                  |                              | 0        |
|                                      | 1       | 7         | 11.60                  | 11.66                  | 11.17                  |                              | 0        |
|                                      | 1       | 14        | 11.65                  | 11.48                  | 11.11                  | 0-2                          | 0        |
|                                      | 8       | 0         | 11.54                  | 11.44                  | 11.37                  |                              | 0        |
|                                      | 8       | 4         | 11.59                  | 11.52                  | 11.26                  |                              | 0        |
| 64QAM                                | 8       | 7         | 11.58                  | 11.48                  | 11.36                  | 0-2                          | 0        |
|                                      | 15      | 0         | 11.58                  | 11.44                  | 11.36                  |                              | 0        |
|                                      | 1       | 0         | 11.56                  | 11.45                  | 11.46                  |                              | 0-2      |
|                                      | 1       | 7         | 11.64                  | 11.44                  | 11.56                  | 0                            |          |
|                                      | 1       | 14        | 11.61                  | 11.42                  | 11.45                  | 0-3                          |          |
|                                      | 8       | 0         | 11.60                  | 11.49                  | 11.44                  |                              | 0        |
| 8                                    | 4       | 11.58     | 11.46                  | 11.34                  | 0                      |                              |          |
|                                      | 8       | 7         | 11.61                  | 11.42                  | 11.35                  |                              | 0        |
|                                      | 15      | 0         | 11.56                  | 11.39                  | 11.30                  |                              | 0        |

Table 8-120

## LTE Band 66 Conducted Powers Ant 2a - 1.4 MHz Bandwidth, Inter-band ULCA Active

| LTE Band 66 (AWS)<br>1.4 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|----------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 131979<br>(1710.7 MHz) | 132322<br>(1745.0 MHz) | 132665<br>(1779.3 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                   | 1       | 0         | 11.45                  | 11.35                  | 11.35                  | 0                            | 0        |
|                                        | 1       | 2         | 11.43                  | 11.31                  | 11.35                  |                              | 0        |
|                                        | 1       | 5         | 11.46                  | 11.34                  | 11.30                  |                              | 0        |
|                                        | 3       | 0         | 11.52                  | 11.41                  | 11.27                  |                              | 0        |
|                                        | 3       | 2         | 11.52                  | 11.42                  | 11.28                  |                              | 0        |
|                                        | 3       | 3         | 11.53                  | 11.42                  | 11.19                  |                              | 0        |
|                                        | 6       | 0         | 11.52                  | 11.42                  | 11.30                  | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 11.64                  | 11.57                  | 11.39                  | 0-1                          | 0        |
|                                        | 1       | 2         | 11.64                  | 11.45                  | 11.41                  |                              | 0        |
|                                        | 1       | 5         | 11.58                  | 11.39                  | 11.34                  |                              | 0        |
|                                        | 3       | 0         | 11.63                  | 11.43                  | 11.31                  |                              | 0        |
|                                        | 3       | 2         | 11.59                  | 11.46                  | 11.30                  |                              | 0        |
|                                        | 3       | 3         | 11.60                  | 11.51                  | 11.26                  |                              | 0        |
|                                        | 6       | 0         | 11.63                  | 11.47                  | 11.36                  | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 11.71                  | 11.59                  | 11.42                  | 0-2                          | 0        |
|                                        | 1       | 2         | 11.67                  | 11.50                  | 11.56                  |                              | 0        |
|                                        | 1       | 5         | 11.71                  | 11.61                  | 11.45                  |                              | 0        |
|                                        | 3       | 0         | 11.55                  | 11.42                  | 11.38                  |                              | 0        |
|                                        | 3       | 2         | 11.62                  | 11.35                  | 11.34                  |                              | 0        |
|                                        | 3       | 3         | 11.64                  | 11.36                  | 11.21                  |                              | 0        |
|                                        | 6       | 0         | 11.69                  | 11.47                  | 11.34                  | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 104 of 284                 |

**Table 8-121**  
**LTE Band 66 Conducted Powers Ant 2b - 20 MHz Bandwidth**

| LTE Band 66 (AWS)<br>20 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132072<br>(1720.0 MHz) | 132322<br>(1745.0 MHz) | 132572<br>(1770.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 15.08                  | 14.96                  | 14.78                  | 0                            | 0        |
|                                       | 1       | 50        | 14.88                  | 14.98                  | 14.97                  |                              | 0        |
|                                       | 1       | 99        | 14.62                  | 14.79                  | 14.99                  |                              | 0        |
|                                       | 50      | 0         | 15.09                  | 14.98                  | 14.89                  | 0-1                          | 0        |
|                                       | 50      | 25        | 14.99                  | 15.01                  | 15.01                  |                              | 0        |
|                                       | 50      | 50        | 14.83                  | 14.93                  | 15.02                  |                              | 0        |
| 16QAM                                 | 100     | 0         | 14.99                  | 14.96                  | 14.98                  | 0-1                          | 0        |
|                                       | 1       | 0         | 14.97                  | 14.74                  | 14.41                  |                              | 0        |
|                                       | 1       | 50        | 14.76                  | 14.79                  | 14.53                  |                              | 0        |
|                                       | 1       | 99        | 14.54                  | 14.62                  | 14.58                  | 0-2                          | 0        |
|                                       | 50      | 0         | 14.60                  | 14.45                  | 14.42                  |                              | 0        |
|                                       | 50      | 25        | 14.51                  | 14.46                  | 14.51                  |                              | 0        |
| 64QAM                                 | 50      | 50        | 14.34                  | 14.38                  | 14.54                  | 0-2                          | 0        |
|                                       | 100     | 0         | 14.45                  | 14.46                  | 14.56                  |                              | 0        |
|                                       | 1       | 0         | 15.02                  | 14.66                  | 14.33                  |                              | 0-2      |
|                                       | 1       | 50        | 14.75                  | 14.66                  | 14.55                  | 0                            |          |
|                                       | 1       | 99        | 14.60                  | 14.43                  | 14.53                  | 0                            |          |
|                                       | 50      | 0         | 14.62                  | 14.48                  | 14.38                  | 0-3                          | 0        |
| 50                                    | 25      | 14.49     | 14.48                  | 14.49                  | 0                      |                              |          |
| 50                                    | 50      | 14.35     | 14.42                  | 14.53                  | 0                      |                              |          |
|                                       | 100     | 0         | 14.45                  | 14.50                  | 14.53                  |                              | 0        |

**Table 8-122**  
**LTE Band 66 Conducted Powers Ant 2b - 15 MHz Bandwidth**

| LTE Band 66 (AWS)<br>15 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132047<br>(1717.5 MHz) | 132322<br>(1745.0 MHz) | 132597<br>(1772.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 15.01                  | 15.10                  | 14.55                  | 0                            | 0        |
|                                       | 1       | 36        | 14.95                  | 15.09                  | 14.71                  |                              | 0        |
|                                       | 1       | 74        | 14.83                  | 14.90                  | 14.71                  |                              | 0        |
|                                       | 36      | 0         | 15.02                  | 15.03                  | 14.68                  | 0-1                          | 0        |
|                                       | 36      | 18        | 15.01                  | 15.00                  | 14.80                  |                              | 0        |
|                                       | 36      | 37        | 14.96                  | 14.98                  | 14.82                  |                              | 0        |
|                                       | 75      | 0         | 15.00                  | 15.01                  | 14.83                  |                              | 0        |
| 16QAM                                 | 1       | 0         | 15.08                  | 15.10                  | 14.73                  | 0-1                          | 0        |
|                                       | 1       | 36        | 15.02                  | 15.10                  | 14.85                  |                              | 0        |
|                                       | 1       | 74        | 14.93                  | 14.89                  | 14.89                  |                              | 0        |
|                                       | 36      | 0         | 14.98                  | 14.94                  | 14.74                  | 0-2                          | 0        |
|                                       | 36      | 18        | 14.97                  | 14.95                  | 14.85                  |                              | 0        |
|                                       | 36      | 37        | 14.81                  | 14.86                  | 14.83                  |                              | 0        |
|                                       | 75      | 0         | 14.87                  | 14.94                  | 14.84                  |                              | 0        |
| 64QAM                                 | 1       | 0         | 15.03                  | 15.01                  | 14.80                  | 0-2                          | 0        |
|                                       | 1       | 36        | 15.03                  | 15.04                  | 15.00                  |                              | 0        |
|                                       | 1       | 74        | 14.74                  | 14.90                  | 14.97                  |                              | 0        |
|                                       | 36      | 0         | 14.94                  | 14.83                  | 14.77                  | 0-3                          | 0        |
|                                       | 36      | 18        | 14.83                  | 14.93                  | 14.93                  |                              | 0        |
|                                       | 36      | 37        | 14.72                  | 14.79                  | 14.88                  |                              | 0        |
|                                       | 75      | 0         | 14.78                  | 14.90                  | 14.98                  |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 105 of 284                 |

**Table 8-123**  
**LTE Band 66 Conducted Powers Ant 2b - 10 MHz Bandwidth**

| LTE Band 66 (AWS)<br>10 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132022<br>(1715.0 MHz) | 132322<br>(1745.0 MHz) | 132622<br>(1775.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 15.02                  | 14.97                  | 14.74                  | 0                            | 0        |
|                                       | 1       | 25        | 14.99                  | 14.90                  | 14.79                  |                              | 0        |
|                                       | 1       | 49        | 14.91                  | 14.86                  | 14.80                  |                              | 0        |
|                                       | 25      | 0         | 15.09                  | 15.00                  | 14.88                  | 0-1                          | 0        |
|                                       | 25      | 12        | 15.05                  | 14.98                  | 14.88                  |                              | 0        |
|                                       | 25      | 25        | 15.02                  | 15.01                  | 14.86                  |                              | 0        |
| 16QAM                                 | 50      | 0         | 15.07                  | 15.02                  | 14.91                  | 0-1                          | 0        |
|                                       | 1       | 0         | 15.07                  | 15.10                  | 14.86                  |                              | 0        |
|                                       | 1       | 25        | 15.08                  | 15.05                  | 14.74                  |                              | 0        |
|                                       | 1       | 49        | 15.03                  | 15.00                  | 14.97                  | 0-2                          | 0        |
|                                       | 25      | 0         | 15.08                  | 14.90                  | 14.78                  |                              | 0        |
|                                       | 25      | 12        | 15.00                  | 14.87                  | 14.81                  |                              | 0        |
| 64QAM                                 | 25      | 25        | 14.80                  | 14.83                  | 14.81                  | 0-2                          | 0        |
|                                       | 50      | 0         | 14.90                  | 14.89                  | 14.82                  |                              | 0        |
|                                       | 1       | 0         | 14.99                  | 14.88                  | 14.80                  |                              | 0-2      |
|                                       | 1       | 25        | 14.96                  | 14.88                  | 14.91                  | 0                            |          |
|                                       | 1       | 49        | 14.93                  | 14.77                  | 15.02                  | 0-3                          |          |
|                                       | 25      | 0         | 14.78                  | 14.55                  | 14.80                  |                              | 0        |
| 25                                    | 12      | 14.69     | 14.56                  | 14.64                  | 0                      |                              |          |
| 64QAM                                 | 25      | 25        | 14.59                  | 14.46                  | 14.63                  | 0-3                          | 0        |
|                                       | 50      | 0         | 14.66                  | 14.56                  | 14.71                  |                              | 0        |

**Table 8-124**  
**LTE Band 66 Conducted Powers Ant 2b - 5 MHz Bandwidth**

| LTE Band 66 (AWS)<br>5 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|--------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 131997<br>(1712.5 MHz) | 132322<br>(1745.0 MHz) | 132647<br>(1777.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                 | 1       | 0         | 15.01                  | 14.93                  | 14.70                  | 0                            | 0        |
|                                      | 1       | 12        | 15.01                  | 14.89                  | 14.66                  |                              | 0        |
|                                      | 1       | 24        | 15.05                  | 14.95                  | 14.75                  |                              | 0        |
|                                      | 12      | 0         | 14.99                  | 14.97                  | 14.85                  | 0-1                          | 0        |
|                                      | 12      | 6         | 15.00                  | 14.96                  | 14.82                  |                              | 0        |
|                                      | 12      | 13        | 14.98                  | 14.97                  | 14.86                  |                              | 0        |
|                                      | 25      | 0         | 15.03                  | 14.98                  | 14.84                  | 0                            |          |
| 16QAM                                | 1       | 0         | 15.02                  | 15.04                  | 14.73                  | 0-1                          | 0        |
|                                      | 1       | 12        | 15.03                  | 14.96                  | 14.75                  |                              | 0        |
|                                      | 1       | 24        | 14.95                  | 15.04                  | 14.74                  |                              | 0        |
|                                      | 12      | 0         | 14.90                  | 14.92                  | 14.76                  | 0-2                          | 0        |
|                                      | 12      | 6         | 14.94                  | 14.92                  | 14.74                  |                              | 0        |
|                                      | 12      | 13        | 14.79                  | 14.85                  | 14.76                  |                              | 0        |
|                                      | 25      | 0         | 14.85                  | 14.88                  | 14.75                  | 0                            |          |
| 64QAM                                | 1       | 0         | 15.10                  | 14.85                  | 14.80                  | 0-2                          | 0        |
|                                      | 1       | 12        | 15.05                  | 14.77                  | 14.81                  |                              | 0        |
|                                      | 1       | 24        | 14.95                  | 14.91                  | 14.98                  |                              | 0        |
|                                      | 12      | 0         | 14.78                  | 14.61                  | 14.57                  | 0-3                          | 0        |
|                                      | 12      | 6         | 14.70                  | 14.63                  | 14.57                  |                              | 0        |
|                                      | 12      | 13        | 14.78                  | 14.55                  | 14.61                  |                              | 0        |
|                                      | 25      | 0         | 14.77                  | 14.61                  | 14.53                  | 0                            |          |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 106 of 284                        |

**Table 8-125**  
**LTE Band 66 Conducted Powers Ant 2b - 3 MHz Bandwidth**

| LTE Band 66 (AWS)<br>3 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|--------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 131987<br>(1711.5 MHz) | 132322<br>(1745.0 MHz) | 132657<br>(1778.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                 | 1       | 0         | 14.80                  | 14.89                  | 14.65                  | 0                            | 0        |
|                                      | 1       | 7         | 14.89                  | 14.93                  | 14.72                  |                              | 0        |
|                                      | 1       | 14        | 14.85                  | 14.88                  | 14.68                  |                              | 0        |
|                                      | 8       | 0         | 14.91                  | 15.00                  | 14.82                  | 0-1                          | 0        |
|                                      | 8       | 4         | 14.92                  | 14.97                  | 14.82                  |                              | 0        |
|                                      | 8       | 7         | 14.93                  | 14.99                  | 14.81                  |                              | 0        |
| 16QAM                                | 15      | 0         | 14.94                  | 15.01                  | 14.83                  | 0-1                          | 0        |
|                                      | 1       | 0         | 15.00                  | 15.10                  | 14.80                  |                              | 0        |
|                                      | 1       | 7         | 15.05                  | 15.09                  | 14.81                  |                              | 0        |
|                                      | 1       | 14        | 14.94                  | 15.07                  | 14.71                  | 0-2                          | 0        |
|                                      | 8       | 0         | 14.99                  | 14.88                  | 14.82                  |                              | 0        |
|                                      | 8       | 4         | 14.93                  | 14.89                  | 14.73                  |                              | 0        |
| 64QAM                                | 8       | 7         | 14.81                  | 14.86                  | 14.75                  | 0-2                          | 0        |
|                                      | 15      | 0         | 14.85                  | 14.87                  | 14.76                  |                              | 0        |
|                                      | 1       | 0         | 15.01                  | 14.87                  | 14.82                  |                              | 0-2      |
|                                      | 1       | 7         | 14.96                  | 14.90                  | 14.90                  | 0                            |          |
|                                      | 1       | 14        | 14.92                  | 14.82                  | 14.85                  | 0                            |          |
|                                      | 8       | 0         | 14.70                  | 14.54                  | 14.60                  | 0-3                          | 0        |
| 8                                    | 4       | 14.73     | 14.56                  | 14.62                  | 0                      |                              |          |
| 8                                    | 7       | 14.75     | 14.60                  | 14.68                  | 0                      |                              |          |
| 15                                   | 0       | 14.76     | 14.61                  | 14.67                  | 0                      |                              |          |

**Table 8-126**  
**LTE Band 66 Conducted Powers Ant 2b - 1.4 MHz Bandwidth**

| LTE Band 66 (AWS)<br>1.4 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|----------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 131979<br>(1710.7 MHz) | 132322<br>(1745.0 MHz) | 132665<br>(1779.3 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                   | 1       | 0         | 14.83                  | 14.88                  | 14.85                  | 0                            | 0        |
|                                        | 1       | 2         | 14.83                  | 14.88                  | 14.82                  |                              | 0        |
|                                        | 1       | 5         | 14.86                  | 14.91                  | 14.85                  |                              | 0        |
|                                        | 3       | 0         | 14.90                  | 14.95                  | 14.76                  |                              | 0        |
|                                        | 3       | 2         | 14.89                  | 14.92                  | 14.76                  |                              | 0        |
|                                        | 3       | 3         | 14.89                  | 14.94                  | 14.77                  |                              | 0        |
|                                        | 6       | 0         | 14.90                  | 14.93                  | 14.77                  | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 15.00                  | 15.00                  | 14.88                  | 0-1                          | 0        |
|                                        | 1       | 2         | 14.92                  | 14.99                  | 14.81                  |                              | 0        |
|                                        | 1       | 5         | 15.03                  | 15.02                  | 14.89                  |                              | 0        |
|                                        | 3       | 0         | 14.96                  | 14.90                  | 14.87                  |                              | 0        |
|                                        | 3       | 2         | 14.99                  | 14.89                  | 14.83                  |                              | 0        |
|                                        | 3       | 3         | 14.80                  | 14.85                  | 14.89                  |                              | 0        |
|                                        | 6       | 0         | 14.92                  | 14.95                  | 14.77                  | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 15.00                  | 14.82                  | 14.63                  | 0-2                          | 0        |
|                                        | 1       | 2         | 14.87                  | 14.74                  | 14.60                  |                              | 0        |
|                                        | 1       | 5         | 14.94                  | 14.80                  | 14.55                  |                              | 0        |
|                                        | 3       | 0         | 14.64                  | 14.45                  | 14.40                  |                              | 0        |
|                                        | 3       | 2         | 14.58                  | 14.42                  | 14.45                  |                              | 0        |
|                                        | 3       | 3         | 14.70                  | 14.48                  | 14.37                  |                              | 0        |
|                                        | 6       | 0         | 14.60                  | 14.40                  | 14.33                  | 0-3                          | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 107 of 284                        |

Table 8-127

## LTE Band 66 Conducted Powers Ant 2b - 20 MHz Bandwidth, Inter-band ULCA Active

| LTE Band 66 (AWS)<br>20 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132072<br>(1720.0 MHz) | 132322<br>(1745.0 MHz) | 132572<br>(1770.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 11.94                  | 11.67                  | 11.61                  | 0                            | 0        |
|                                       | 1       | 50        | 11.85                  | 11.68                  | 11.65                  |                              | 0        |
|                                       | 1       | 99        | 11.72                  | 11.56                  | 11.76                  |                              | 0        |
|                                       | 50      | 0         | 11.71                  | 11.78                  | 11.51                  | 0-1                          | 0        |
|                                       | 50      | 25        | 11.79                  | 11.75                  | 11.64                  |                              | 0        |
|                                       | 50      | 50        | 11.62                  | 11.71                  | 11.73                  |                              | 0        |
| 16QAM                                 | 100     | 0         | 11.70                  | 11.75                  | 11.74                  | 0-1                          | 0        |
|                                       | 1       | 0         | 11.81                  | 11.63                  | 11.31                  |                              | 0        |
|                                       | 1       | 50        | 11.72                  | 11.78                  | 11.45                  |                              | 0        |
|                                       | 1       | 99        | 11.68                  | 11.53                  | 11.52                  | 0-2                          | 0        |
|                                       | 50      | 0         | 11.53                  | 11.53                  | 11.23                  |                              | 0        |
|                                       | 50      | 25        | 11.49                  | 11.54                  | 11.32                  |                              | 0        |
| 64QAM                                 | 50      | 50        | 11.40                  | 11.49                  | 11.39                  | 0-2                          | 0        |
|                                       | 100     | 0         | 11.41                  | 11.50                  | 11.40                  |                              | 0        |
|                                       | 1       | 0         | 11.70                  | 11.61                  | 11.49                  |                              | 0-2      |
|                                       | 1       | 50        | 11.61                  | 11.74                  | 11.63                  | 0                            |          |
|                                       | 1       | 99        | 11.43                  | 11.52                  | 11.76                  | 0                            |          |
|                                       | 50      | 0         | 11.63                  | 11.50                  | 11.25                  | 0-3                          | 0        |
| 50                                    | 25      | 11.53     | 11.51                  | 11.40                  | 0                      |                              |          |
| 50                                    | 50      | 11.39     | 11.48                  | 11.43                  | 0                      |                              |          |
|                                       | 100     | 0         | 11.41                  | 11.48                  | 11.45                  |                              | 0        |

Table 8-128

## LTE Band 66 Conducted Powers Ant 2b - 15 MHz Bandwidth, Inter-band ULCA Active

| LTE Band 66 (AWS)<br>15 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132047<br>(1717.5 MHz) | 132322<br>(1745.0 MHz) | 132597<br>(1772.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 11.72                  | 11.71                  | 11.31                  | 0                            | 0        |
|                                       | 1       | 36        | 11.77                  | 11.65                  | 11.51                  |                              | 0        |
|                                       | 1       | 74        | 11.77                  | 11.45                  | 11.51                  |                              | 0        |
|                                       | 36      | 0         | 11.66                  | 11.74                  | 11.46                  | 0-1                          | 0        |
|                                       | 36      | 18        | 11.70                  | 11.73                  | 11.62                  |                              | 0        |
|                                       | 36      | 37        | 11.70                  | 11.72                  | 11.64                  |                              | 0        |
| 16QAM                                 | 75      | 0         | 11.69                  | 11.73                  | 11.61                  | 0-1                          | 0        |
|                                       | 1       | 0         | 11.75                  | 11.86                  | 11.47                  |                              | 0        |
|                                       | 1       | 36        | 11.80                  | 11.90                  | 11.54                  |                              | 0        |
|                                       | 1       | 74        | 11.82                  | 11.59                  | 11.66                  | 0-2                          | 0        |
|                                       | 36      | 0         | 11.68                  | 11.77                  | 11.46                  |                              | 0        |
|                                       | 36      | 18        | 11.66                  | 11.75                  | 11.64                  |                              | 0        |
| 64QAM                                 | 36      | 37        | 11.69                  | 11.72                  | 11.64                  | 0-2                          | 0        |
|                                       | 75      | 0         | 11.70                  | 11.76                  | 11.61                  |                              | 0        |
|                                       | 1       | 0         | 11.92                  | 11.85                  | 11.76                  |                              | 0-2      |
|                                       | 1       | 36        | 11.74                  | 11.91                  | 11.90                  | 0                            |          |
|                                       | 1       | 74        | 11.73                  | 11.58                  | 11.93                  | 0-3                          |          |
|                                       | 36      | 0         | 11.65                  | 11.76                  | 11.48                  |                              | 0        |
| 36                                    | 18      | 11.71     | 11.76                  | 11.64                  | 0                      |                              |          |
| 64QAM                                 | 36      | 37        | 11.72                  | 11.73                  | 11.66                  | 0-3                          | 0        |
|                                       | 75      | 0         | 11.69                  | 11.74                  | 11.63                  |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 108 of 284                 |

**Table 8-129**  
**LTE Band 66 Conducted Powers Ant 2b - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 66 (AWS)<br>10 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132022<br>(1715.0 MHz) | 132322<br>(1745.0 MHz) | 132622<br>(1775.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 11.66                  | 11.68                  | 11.44                  | 0                            | 0        |
|                                       | 1       | 25        | 11.68                  | 11.60                  | 11.53                  |                              | 0        |
|                                       | 1       | 49        | 11.64                  | 11.54                  | 11.56                  |                              | 0        |
|                                       | 25      | 0         | 11.71                  | 11.70                  | 11.50                  | 0-1                          | 0        |
|                                       | 25      | 12        | 11.67                  | 11.69                  | 11.51                  |                              | 0        |
|                                       | 25      | 25        | 11.69                  | 11.69                  | 11.49                  |                              | 0        |
| 16QAM                                 | 50      | 0         | 11.67                  | 11.71                  | 11.53                  | 0-1                          | 0        |
|                                       | 1       | 0         | 11.73                  | 11.86                  | 11.34                  |                              | 0        |
|                                       | 1       | 25        | 11.73                  | 11.86                  | 11.47                  |                              | 0        |
|                                       | 1       | 49        | 11.71                  | 11.75                  | 11.58                  | 0-2                          | 0        |
|                                       | 25      | 0         | 11.73                  | 11.72                  | 11.54                  |                              | 0        |
|                                       | 25      | 12        | 11.69                  | 11.70                  | 11.51                  |                              | 0        |
| 64QAM                                 | 25      | 25        | 11.66                  | 11.70                  | 11.46                  | 0-2                          | 0        |
|                                       | 50      | 0         | 11.71                  | 11.70                  | 11.54                  |                              | 0        |
|                                       | 1       | 0         | 11.76                  | 11.83                  | 11.51                  |                              | 0-2      |
|                                       | 1       | 25        | 11.84                  | 11.77                  | 11.50                  | 0                            |          |
|                                       | 1       | 49        | 11.75                  | 11.68                  | 11.62                  | 0-3                          |          |
|                                       | 25      | 0         | 11.75                  | 11.73                  | 11.48                  |                              | 0        |
| 25                                    | 12      | 11.72     | 11.69                  | 11.50                  | 0                      |                              |          |
|                                       | 25      | 25        | 11.73                  | 11.72                  | 11.49                  | 0-3                          | 0        |
|                                       | 50      | 0         | 11.72                  | 11.72                  | 11.54                  |                              | 0        |

**Table 8-130**  
**LTE Band 66 Conducted Powers Ant 2b - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 66 (AWS)<br>5 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|--------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 131997<br>(1712.5 MHz) | 132322<br>(1745.0 MHz) | 132647<br>(1777.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                 | 1       | 0         | 11.57                  | 11.72                  | 11.34                  | 0                            | 0        |
|                                      | 1       | 12        | 11.60                  | 11.72                  | 11.31                  |                              | 0        |
|                                      | 1       | 24        | 11.63                  | 11.77                  | 11.43                  |                              | 0        |
|                                      | 12      | 0         | 11.69                  | 11.71                  | 11.44                  | 0-1                          | 0        |
|                                      | 12      | 6         | 11.69                  | 11.69                  | 11.39                  |                              | 0        |
|                                      | 12      | 13        | 11.65                  | 11.70                  | 11.44                  |                              | 0        |
| 16QAM                                | 25      | 0         | 11.72                  | 11.70                  | 11.42                  | 0-1                          | 0        |
|                                      | 1       | 0         | 11.78                  | 11.86                  | 11.36                  |                              | 0        |
|                                      | 1       | 12        | 11.71                  | 11.77                  | 11.41                  |                              | 0        |
|                                      | 1       | 24        | 11.88                  | 11.92                  | 11.54                  | 0-2                          | 0        |
|                                      | 12      | 0         | 11.72                  | 11.69                  | 11.48                  |                              | 0        |
|                                      | 12      | 6         | 11.71                  | 11.68                  | 11.40                  |                              | 0        |
| 64QAM                                | 12      | 13        | 11.67                  | 11.68                  | 11.51                  | 0-2                          | 0        |
|                                      | 25      | 0         | 11.79                  | 11.70                  | 11.46                  |                              | 0        |
|                                      | 1       | 0         | 11.76                  | 11.84                  | 11.49                  |                              | 0-2      |
|                                      | 1       | 12        | 11.84                  | 11.81                  | 11.52                  | 0                            |          |
|                                      | 1       | 24        | 11.83                  | 11.90                  | 11.55                  | 0                            |          |
|                                      | 12      | 0         | 11.72                  | 11.67                  | 11.46                  | 0-3                          | 0        |
| 12                                   | 6       | 11.76     | 11.70                  | 11.40                  | 0                      |                              |          |
| 12                                   | 13      | 11.71     | 11.72                  | 11.46                  | 0                      |                              |          |
|                                      | 25      | 0         | 11.73                  | 11.72                  | 11.38                  |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 109 of 284                 |

Table 8-131

## LTE Band 66 Conducted Powers Ant 2b - 3 MHz Bandwidth, Inter-band ULCA Active

| LTE Band 66 (AWS)<br>3 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|--------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 131987<br>(1711.5 MHz) | 132322<br>(1745.0 MHz) | 132657<br>(1778.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                 | 1       | 0         | 11.50                  | 11.66                  | 11.44                  | 0                            | 0        |
|                                      | 1       | 7         | 11.61                  | 11.69                  | 11.51                  |                              | 0        |
|                                      | 1       | 14        | 11.56                  | 11.66                  | 11.49                  |                              | 0        |
|                                      | 8       | 0         | 11.58                  | 11.68                  | 11.49                  | 0-1                          | 0        |
|                                      | 8       | 4         | 11.60                  | 11.67                  | 11.49                  |                              | 0        |
|                                      | 8       | 7         | 11.63                  | 11.67                  | 11.52                  |                              | 0        |
|                                      | 15      | 0         | 11.63                  | 11.70                  | 11.52                  |                              | 0        |
| 16QAM                                | 1       | 0         | 11.69                  | 11.87                  | 11.33                  | 0-1                          | 0        |
|                                      | 1       | 7         | 11.67                  | 11.70                  | 11.45                  |                              | 0        |
|                                      | 1       | 14        | 11.69                  | 11.78                  | 11.50                  |                              | 0        |
|                                      | 8       | 0         | 11.57                  | 11.76                  | 11.51                  | 0-2                          | 0        |
|                                      | 8       | 4         | 11.59                  | 11.75                  | 11.51                  |                              | 0        |
|                                      | 8       | 7         | 11.69                  | 11.74                  | 11.56                  |                              | 0        |
|                                      | 15      | 0         | 11.66                  | 11.71                  | 11.55                  |                              | 0        |
| 64QAM                                | 1       | 0         | 11.62                  | 11.71                  | 11.53                  | 0-2                          | 0        |
|                                      | 1       | 7         | 11.65                  | 11.83                  | 11.81                  |                              | 0        |
|                                      | 1       | 14        | 11.75                  | 11.86                  | 11.64                  |                              | 0        |
|                                      | 8       | 0         | 11.63                  | 11.76                  | 11.52                  | 0-3                          | 0        |
|                                      | 8       | 4         | 11.63                  | 11.72                  | 11.55                  |                              | 0        |
|                                      | 8       | 7         | 11.62                  | 11.75                  | 11.61                  |                              | 0        |
|                                      | 15      | 0         | 11.61                  | 11.69                  | 11.55                  |                              | 0        |

Table 8-132

## LTE Band 66 Conducted Powers Ant 2b - 1.4 MHz Bandwidth, Inter-band ULCA Active

| LTE Band 66 (AWS)<br>1.4 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|----------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 131979<br>(1710.7 MHz) | 132322<br>(1745.0 MHz) | 132665<br>(1779.3 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                   | 1       | 0         | 11.56                  | 11.68                  | 11.64                  | 0                            | 0        |
|                                        | 1       | 2         | 11.52                  | 11.66                  | 11.64                  |                              | 0        |
|                                        | 1       | 5         | 11.58                  | 11.67                  | 11.67                  |                              | 0        |
|                                        | 3       | 0         | 11.54                  | 11.67                  | 11.47                  |                              | 0        |
|                                        | 3       | 2         | 11.55                  | 11.68                  | 11.46                  |                              | 0        |
|                                        | 3       | 3         | 11.54                  | 11.65                  | 11.48                  |                              | 0        |
|                                        | 6       | 0         | 11.54                  | 11.65                  | 11.46                  | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 11.64                  | 11.84                  | 11.74                  | 0-1                          | 0        |
|                                        | 1       | 2         | 11.64                  | 11.81                  | 11.50                  |                              | 0        |
|                                        | 1       | 5         | 11.76                  | 11.62                  | 11.55                  |                              | 0        |
|                                        | 3       | 0         | 11.70                  | 11.82                  | 11.49                  |                              | 0        |
|                                        | 3       | 2         | 11.54                  | 11.71                  | 11.57                  |                              | 0        |
|                                        | 3       | 3         | 11.64                  | 11.75                  | 11.52                  |                              | 0        |
|                                        | 6       | 0         | 11.55                  | 11.67                  | 11.51                  | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 11.65                  | 11.66                  | 11.67                  | 0-2                          | 0        |
|                                        | 1       | 2         | 11.64                  | 11.78                  | 11.69                  |                              | 0        |
|                                        | 1       | 5         | 11.66                  | 11.77                  | 11.52                  |                              | 0        |
|                                        | 3       | 0         | 11.52                  | 11.72                  | 11.57                  |                              | 0        |
|                                        | 3       | 2         | 11.57                  | 11.70                  | 11.70                  |                              | 0        |
|                                        | 3       | 3         | 11.58                  | 11.70                  | 11.56                  |                              | 0        |
|                                        | 6       | 0         | 11.69                  | 11.59                  | 11.51                  | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 110 of 284                 |

**Table 8-133**  
**LTE Band 66 Conducted Powers Ant 4a - 20 MHz Bandwidth**

| LTE Band 66 (AWS)<br>20 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132072<br>(1720.0 MHz) | 132322<br>(1745.0 MHz) | 132572<br>(1770.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 14.59                  | 14.47                  | 14.51                  | 0                            | 0        |
|                                       | 1       | 50        | 14.54                  | 14.31                  | 14.36                  |                              | 0        |
|                                       | 1       | 99        | 14.66                  | 14.38                  | 14.33                  |                              | 0        |
|                                       | 50      | 0         | 14.53                  | 14.57                  | 14.59                  | 0-1                          | 0        |
|                                       | 50      | 25        | 14.55                  | 14.46                  | 14.53                  |                              | 0        |
|                                       | 50      | 50        | 14.60                  | 14.44                  | 14.43                  |                              | 0        |
| 100                                   | 0       | 14.58     | 14.44                  | 14.49                  | 0                      |                              |          |
| 16QAM                                 | 1       | 0         | 14.47                  | 14.58                  | 14.69                  | 0-1                          | 0        |
|                                       | 1       | 50        | 14.50                  | 14.51                  | 14.74                  |                              | 0        |
|                                       | 1       | 99        | 14.45                  | 14.56                  | 14.63                  |                              | 0        |
|                                       | 50      | 0         | 14.35                  | 14.38                  | 14.44                  | 0-2                          | 0        |
|                                       | 50      | 25        | 14.36                  | 14.29                  | 14.38                  |                              | 0        |
|                                       | 50      | 50        | 14.38                  | 14.29                  | 14.32                  |                              | 0        |
| 100                                   | 0       | 14.39     | 14.29                  | 14.35                  | 0                      |                              |          |
| 64QAM                                 | 1       | 0         | 14.51                  | 14.71                  | 14.35                  | 0-2                          | 0        |
|                                       | 1       | 50        | 14.66                  | 14.67                  | 14.40                  |                              | 0        |
|                                       | 1       | 99        | 14.57                  | 14.48                  | 14.33                  |                              | 0        |
|                                       | 50      | 0         | 14.43                  | 14.42                  | 14.25                  | 0-3                          | 0        |
|                                       | 50      | 25        | 14.45                  | 14.39                  | 14.28                  |                              | 0        |
|                                       | 50      | 50        | 14.54                  | 14.31                  | 14.13                  |                              | 0        |
| 100                                   | 0       | 14.48     | 14.34                  | 14.25                  | 0                      |                              |          |

**Table 8-134**  
**LTE Band 66 Conducted Powers Ant 4a - 15 MHz Bandwidth**

| LTE Band 66 (AWS)<br>15 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132047<br>(1717.5 MHz) | 132322<br>(1745.0 MHz) | 132597<br>(1772.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 14.49                  | 14.50                  | 14.31                  | 0                            | 0        |
|                                       | 1       | 36        | 14.49                  | 14.38                  | 14.27                  |                              | 0        |
|                                       | 1       | 74        | 14.52                  | 14.14                  | 14.07                  |                              | 0        |
|                                       | 36      | 0         | 14.36                  | 14.47                  | 14.32                  | 0-1                          | 0        |
|                                       | 36      | 18        | 14.44                  | 14.45                  | 14.28                  |                              | 0        |
|                                       | 36      | 37        | 14.48                  | 14.36                  | 14.22                  |                              | 0        |
| 16QAM                                 | 75      | 0         | 14.42                  | 14.42                  | 14.25                  | 0-1                          | 0        |
|                                       | 1       | 0         | 14.64                  | 14.77                  | 14.63                  |                              | 0        |
|                                       | 1       | 36        | 14.56                  | 14.71                  | 14.75                  |                              | 0        |
|                                       | 1       | 74        | 14.58                  | 14.49                  | 14.38                  | 0-2                          | 0        |
|                                       | 36      | 0         | 14.39                  | 14.50                  | 14.33                  |                              | 0        |
|                                       | 36      | 18        | 14.47                  | 14.48                  | 14.29                  |                              | 0        |
| 64QAM                                 | 36      | 37        | 14.47                  | 14.40                  | 14.22                  | 0-2                          | 0        |
|                                       | 75      | 0         | 14.42                  | 14.44                  | 14.24                  |                              | 0        |
|                                       | 1       | 0         | 14.70                  | 14.71                  | 14.59                  |                              | 0-2      |
|                                       | 1       | 36        | 14.79                  | 14.55                  | 14.44                  | 0                            |          |
|                                       | 1       | 74        | 14.80                  | 14.46                  | 14.20                  | 0-3                          |          |
|                                       | 36      | 0         | 14.36                  | 14.48                  | 14.31                  |                              | 0        |
| 36                                    | 18      | 14.45     | 14.48                  | 14.27                  | 0                      |                              |          |
| 64QAM                                 | 36      | 37        | 14.46                  | 14.38                  | 14.24                  | 0-3                          | 0        |
|                                       | 75      | 0         | 14.39                  | 14.46                  | 14.26                  |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 111 of 284                 |

**Table 8-135**  
**LTE Band 66 Conducted Powers Ant 4a - 10 MHz Bandwidth**

| LTE Band 66 (AWS)<br>10 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132022<br>(1715.0 MHz) | 132322<br>(1745.0 MHz) | 132622<br>(1775.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 14.47                  | 14.41                  | 14.39                  | 0                            | 0        |
|                                       | 1       | 25        | 14.28                  | 14.31                  | 14.24                  |                              | 0        |
|                                       | 1       | 49        | 14.48                  | 14.28                  | 14.13                  |                              | 0        |
|                                       | 25      | 0         | 14.42                  | 14.44                  | 14.26                  | 0-1                          | 0        |
|                                       | 25      | 12        | 14.30                  | 14.37                  | 14.23                  |                              | 0        |
|                                       | 25      | 25        | 14.39                  | 14.34                  | 14.13                  |                              | 0        |
| 16QAM                                 | 50      | 0         | 14.31                  | 14.40                  | 14.23                  | 0-1                          | 0        |
|                                       | 1       | 0         | 14.76                  | 14.62                  | 14.72                  |                              | 0        |
|                                       | 1       | 25        | 14.58                  | 14.77                  | 14.76                  |                              | 0        |
|                                       | 1       | 49        | 14.72                  | 14.56                  | 14.59                  | 0-2                          | 0        |
|                                       | 25      | 0         | 14.44                  | 14.43                  | 14.27                  |                              | 0        |
|                                       | 25      | 12        | 14.33                  | 14.37                  | 14.25                  |                              | 0        |
| 64QAM                                 | 25      | 25        | 14.41                  | 14.30                  | 14.11                  | 0-2                          | 0        |
|                                       | 50      | 0         | 14.32                  | 14.41                  | 14.26                  |                              | 0        |
|                                       | 1       | 0         | 14.76                  | 14.63                  | 14.38                  | 0-2                          | 0        |
|                                       | 1       | 25        | 14.56                  | 14.48                  | 14.45                  |                              | 0        |
|                                       | 1       | 49        | 14.66                  | 14.67                  | 14.37                  | 0-3                          | 0        |
|                                       | 25      | 0         | 14.48                  | 14.47                  | 14.25                  |                              | 0        |
|                                       | 25      | 12        | 14.31                  | 14.36                  | 14.27                  |                              | 0        |
|                                       | 25      | 25        | 14.41                  | 14.38                  | 14.12                  |                              | 0        |
|                                       | 50      | 0         | 14.39                  | 14.40                  | 14.24                  |                              | 0        |

**Table 8-136**  
**LTE Band 66 Conducted Powers Ant 4a - 5 MHz Bandwidth**

| LTE Band 66 (AWS)<br>5 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|--------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 131997<br>(1712.5 MHz) | 132322<br>(1745.0 MHz) | 132647<br>(1777.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                 | 1       | 0         | 14.33                  | 14.40                  | 14.27                  | 0                            | 0        |
|                                      | 1       | 12        | 14.20                  | 14.32                  | 14.14                  |                              | 0        |
|                                      | 1       | 24        | 14.07                  | 14.32                  | 14.11                  |                              | 0        |
|                                      | 12      | 0         | 14.32                  | 14.36                  | 14.22                  | 0-1                          | 0        |
|                                      | 12      | 6         | 14.30                  | 14.36                  | 14.12                  |                              | 0        |
|                                      | 12      | 13        | 14.21                  | 14.41                  | 14.08                  |                              | 0        |
|                                      | 25      | 0         | 14.31                  | 14.39                  | 14.16                  | 0                            |          |
| 16QAM                                | 1       | 0         | 14.78                  | 14.62                  | 14.53                  | 0-1                          | 0        |
|                                      | 1       | 12        | 14.76                  | 14.77                  | 14.34                  |                              | 0        |
|                                      | 1       | 24        | 14.60                  | 14.80                  | 14.31                  |                              | 0        |
|                                      | 12      | 0         | 14.35                  | 14.34                  | 14.26                  | 0-2                          | 0        |
|                                      | 12      | 6         | 14.32                  | 14.31                  | 14.10                  |                              | 0        |
|                                      | 12      | 13        | 14.23                  | 14.42                  | 14.14                  |                              | 0        |
|                                      | 25      | 0         | 14.36                  | 14.33                  | 14.14                  | 0                            |          |
| 64QAM                                | 1       | 0         | 14.79                  | 14.62                  | 14.65                  | 0-2                          | 0        |
|                                      | 1       | 12        | 14.74                  | 14.76                  | 14.49                  |                              | 0        |
|                                      | 1       | 24        | 14.68                  | 14.66                  | 14.42                  |                              | 0        |
|                                      | 12      | 0         | 14.36                  | 14.36                  | 14.25                  | 0-3                          | 0        |
|                                      | 12      | 6         | 14.33                  | 14.36                  | 14.08                  |                              | 0        |
|                                      | 12      | 13        | 14.26                  | 14.36                  | 14.12                  |                              | 0        |
|                                      | 25      | 0         | 14.31                  | 14.38                  | 14.20                  | 0                            |          |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 112 of 284                 |

**Table 8-137**  
**LTE Band 66 Conducted Powers Ant 4a - 3 MHz Bandwidth**

| LTE Band 66 (AWS)<br>3 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|--------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 131987<br>(1711.5 MHz) | 132322<br>(1745.0 MHz) | 132657<br>(1778.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                 | 1       | 0         | 14.37                  | 14.20                  | 13.96                  | 0                            | 0        |
|                                      | 1       | 7         | 14.35                  | 14.21                  | 14.00                  |                              | 0        |
|                                      | 1       | 14        | 14.25                  | 14.28                  | 13.96                  |                              | 0        |
|                                      | 8       | 0         | 14.31                  | 14.23                  | 14.01                  | 0-1                          | 0        |
|                                      | 8       | 4         | 14.29                  | 14.20                  | 13.98                  |                              | 0        |
|                                      | 8       | 7         | 14.30                  | 14.23                  | 13.99                  |                              | 0        |
| 16QAM                                | 15      | 0         | 14.29                  | 14.24                  | 14.02                  | 0-1                          | 0        |
|                                      | 1       | 0         | 14.78                  | 14.70                  | 14.31                  |                              | 0        |
|                                      | 1       | 7         | 14.62                  | 14.55                  | 14.31                  |                              | 0        |
|                                      | 1       | 14        | 14.75                  | 14.67                  | 14.42                  | 0-2                          | 0        |
|                                      | 8       | 0         | 14.37                  | 14.24                  | 14.09                  |                              | 0        |
|                                      | 8       | 4         | 14.29                  | 14.27                  | 13.99                  |                              | 0        |
| 64QAM                                | 8       | 7         | 14.31                  | 14.25                  | 14.05                  | 0-2                          | 0        |
|                                      | 15      | 0         | 14.34                  | 14.32                  | 14.03                  |                              | 0        |
|                                      | 1       | 0         | 14.68                  | 14.37                  | 14.19                  | 0-2                          | 0        |
|                                      | 1       | 7         | 14.54                  | 14.46                  | 14.18                  |                              | 0        |
|                                      | 1       | 14        | 14.50                  | 14.47                  | 14.14                  |                              | 0        |
|                                      | 8       | 0         | 14.34                  | 14.30                  | 14.00                  | 0-3                          | 0        |
|                                      | 8       | 4         | 14.33                  | 14.23                  | 14.02                  |                              | 0        |
|                                      | 8       | 7         | 14.33                  | 14.31                  | 14.03                  |                              | 0        |
|                                      | 15      | 0         | 14.37                  | 14.30                  | 14.03                  |                              | 0        |

**Table 8-138**  
**LTE Band 66 Conducted Powers Ant 4a - 1.4 MHz Bandwidth**

| LTE Band 66 (AWS)<br>1.4 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|----------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 131979<br>(1710.7 MHz) | 132322<br>(1745.0 MHz) | 132665<br>(1779.3 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                   | 1       | 0         | 14.45                  | 14.28                  | 14.06                  | 0                            | 0        |
|                                        | 1       | 2         | 14.34                  | 14.26                  | 14.02                  |                              | 0        |
|                                        | 1       | 5         | 14.35                  | 14.27                  | 14.03                  |                              | 0        |
|                                        | 3       | 0         | 14.33                  | 14.15                  | 13.93                  |                              | 0        |
|                                        | 3       | 2         | 14.24                  | 14.13                  | 13.88                  |                              | 0        |
|                                        | 3       | 3         | 14.25                  | 14.14                  | 13.91                  |                              | 0        |
|                                        | 6       | 0         | 14.34                  | 14.21                  | 14.00                  | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 14.76                  | 14.56                  | 14.17                  | 0-1                          | 0        |
|                                        | 1       | 2         | 14.46                  | 14.44                  | 14.31                  |                              | 0        |
|                                        | 1       | 5         | 14.68                  | 14.33                  | 14.31                  |                              | 0        |
|                                        | 3       | 0         | 14.49                  | 14.29                  | 14.06                  |                              | 0        |
|                                        | 3       | 2         | 14.46                  | 14.31                  | 13.98                  |                              | 0        |
|                                        | 3       | 3         | 14.46                  | 14.37                  | 13.91                  |                              | 0        |
|                                        | 6       | 0         | 14.38                  | 14.28                  | 13.97                  | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 14.70                  | 14.63                  | 14.28                  | 0-2                          | 0        |
|                                        | 1       | 2         | 14.74                  | 14.73                  | 14.31                  |                              | 0        |
|                                        | 1       | 5         | 14.75                  | 14.65                  | 14.49                  |                              | 0        |
|                                        | 3       | 0         | 14.59                  | 14.39                  | 14.19                  |                              | 0        |
|                                        | 3       | 2         | 14.53                  | 14.36                  | 14.11                  |                              | 0        |
|                                        | 3       | 3         | 14.50                  | 14.33                  | 14.20                  |                              | 0        |
|                                        | 6       | 0         | 14.36                  | 14.29                  | 14.08                  | 0-3                          | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 113 of 284                        |

**Table 8-139**  
**LTE Band 66 Conducted Powers Ant 4a - 20 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 66 (AWS)<br>20 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132072<br>(1720.0 MHz) | 132322<br>(1745.0 MHz) | 132572<br>(1770.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 11.50                  | 11.53                  | 11.13                  | 0                            | 0        |
|                                       | 1       | 50        | 11.51                  | 11.41                  | 11.25                  |                              | 0        |
|                                       | 1       | 99        | 11.57                  | 11.08                  | 11.14                  |                              | 0        |
|                                       | 50      | 0         | 11.43                  | 11.34                  | 11.30                  | 0-1                          | 0        |
|                                       | 50      | 25        | 11.47                  | 11.27                  | 11.40                  |                              | 0        |
|                                       | 50      | 50        | 11.51                  | 11.18                  | 11.31                  |                              | 0        |
|                                       | 100     | 0         | 11.49                  | 11.27                  | 11.29                  |                              | 0        |
| 16QAM                                 | 1       | 0         | 11.60                  | 11.25                  | 11.14                  | 0-1                          | 0        |
|                                       | 1       | 50        | 11.52                  | 10.80                  | 11.30                  |                              | 0        |
|                                       | 1       | 99        | 11.64                  | 10.84                  | 11.18                  |                              | 0        |
|                                       | 50      | 0         | 11.24                  | 11.01                  | 11.03                  | 0-2                          | 0        |
|                                       | 50      | 25        | 11.23                  | 11.05                  | 11.05                  |                              | 0        |
|                                       | 50      | 50        | 11.28                  | 11.06                  | 11.07                  |                              | 0        |
|                                       | 100     | 0         | 11.23                  | 11.07                  | 11.10                  |                              | 0        |
| 64QAM                                 | 1       | 0         | 11.37                  | 11.21                  | 11.37                  | 0-2                          | 0        |
|                                       | 1       | 50        | 11.30                  | 10.90                  | 11.60                  |                              | 0        |
|                                       | 1       | 99        | 11.40                  | 10.87                  | 11.36                  |                              | 0        |
|                                       | 50      | 0         | 11.22                  | 11.01                  | 11.14                  | 0-3                          | 0        |
|                                       | 50      | 25        | 11.23                  | 10.94                  | 11.12                  |                              | 0        |
|                                       | 50      | 50        | 11.25                  | 10.91                  | 11.06                  |                              | 0        |
|                                       | 100     | 0         | 11.23                  | 10.97                  | 11.09                  |                              | 0        |

**Table 8-140**  
**LTE Band 66 Conducted Powers Ant 4a - 15 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 66 (AWS)<br>15 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132047<br>(1717.5 MHz) | 132322<br>(1745.0 MHz) | 132597<br>(1772.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 11.20                  | 11.12                  | 11.20                  | 0                            | 0        |
|                                       | 1       | 36        | 11.19                  | 11.12                  | 11.28                  |                              | 0        |
|                                       | 1       | 74        | 11.31                  | 11.19                  | 11.15                  |                              | 0        |
|                                       | 36      | 0         | 11.19                  | 11.22                  | 11.15                  | 0-1                          | 0        |
|                                       | 36      | 18        | 11.24                  | 11.19                  | 11.08                  |                              | 0        |
|                                       | 36      | 37        | 11.29                  | 11.23                  | 11.07                  |                              | 0        |
|                                       | 75      | 0         | 11.23                  | 11.23                  | 11.07                  |                              | 0        |
| 16QAM                                 | 1       | 0         | 11.10                  | 11.20                  | 11.15                  | 0-1                          | 0        |
|                                       | 1       | 36        | 11.17                  | 11.14                  | 11.13                  |                              | 0        |
|                                       | 1       | 74        | 11.45                  | 11.19                  | 10.70                  |                              | 0        |
|                                       | 36      | 0         | 11.09                  | 11.14                  | 11.08                  | 0-2                          | 0        |
|                                       | 36      | 18        | 11.14                  | 11.13                  | 11.03                  |                              | 0        |
|                                       | 36      | 37        | 11.23                  | 11.15                  | 10.92                  |                              | 0        |
|                                       | 75      | 0         | 11.13                  | 11.13                  | 11.00                  |                              | 0        |
| 64QAM                                 | 1       | 0         | 10.96                  | 11.26                  | 11.35                  | 0-2                          | 0        |
|                                       | 1       | 36        | 11.02                  | 10.96                  | 11.31                  |                              | 0        |
|                                       | 1       | 74        | 11.24                  | 10.90                  | 10.93                  |                              | 0        |
|                                       | 36      | 0         | 10.94                  | 11.02                  | 11.22                  | 0-3                          | 0        |
|                                       | 36      | 18        | 11.16                  | 10.94                  | 11.09                  |                              | 0        |
|                                       | 36      | 37        | 11.23                  | 10.89                  | 11.02                  |                              | 0        |
|                                       | 75      | 0         | 11.15                  | 10.93                  | 11.08                  |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 114 of 284                 |

**Table 8-141**  
**LTE Band 66 Conducted Powers Ant 4a - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 66 (AWS)<br>10 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132022<br>(1715.0 MHz) | 132322<br>(1745.0 MHz) | 132622<br>(1775.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 10.84                  | 11.06                  | 11.05                  | 0                            | 0        |
|                                       | 1       | 25        | 10.84                  | 11.00                  | 11.01                  |                              | 0        |
|                                       | 1       | 49        | 11.18                  | 10.90                  | 10.80                  |                              | 0        |
|                                       | 25      | 0         | 11.16                  | 11.03                  | 11.05                  | 0-1                          | 0        |
|                                       | 25      | 12        | 11.11                  | 10.96                  | 11.02                  |                              | 0        |
|                                       | 25      | 25        | 11.16                  | 10.93                  | 10.93                  |                              | 0        |
|                                       | 50      | 0         | 11.12                  | 10.96                  | 10.99                  |                              | 0        |
| 16QAM                                 | 1       | 0         | 11.15                  | 11.13                  | 11.27                  | 0-1                          | 0        |
|                                       | 1       | 25        | 11.10                  | 10.92                  | 11.02                  |                              | 0        |
|                                       | 1       | 49        | 11.39                  | 11.02                  | 10.74                  |                              | 0        |
|                                       | 25      | 0         | 11.19                  | 11.04                  | 11.07                  | 0-2                          | 0        |
|                                       | 25      | 12        | 11.13                  | 10.98                  | 11.03                  |                              | 0        |
|                                       | 25      | 25        | 11.21                  | 10.95                  | 10.92                  |                              | 0        |
|                                       | 50      | 0         | 11.12                  | 11.00                  | 11.00                  |                              | 0        |
| 64QAM                                 | 1       | 0         | 10.81                  | 11.22                  | 11.28                  | 0-2                          | 0        |
|                                       | 1       | 25        | 10.68                  | 10.90                  | 11.09                  |                              | 0        |
|                                       | 1       | 49        | 10.91                  | 10.92                  | 10.97                  |                              | 0        |
|                                       | 25      | 0         | 10.73                  | 10.96                  | 10.93                  | 0-3                          | 0        |
|                                       | 25      | 12        | 10.65                  | 10.84                  | 10.91                  |                              | 0        |
|                                       | 25      | 25        | 10.70                  | 10.93                  | 10.84                  |                              | 0        |
|                                       | 50      | 0         | 10.64                  | 11.02                  | 10.91                  |                              | 0        |

**Table 8-142**  
**LTE Band 66 Conducted Powers Ant 4a - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 66 (AWS)<br>5 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|--------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 131997<br>(1712.5 MHz) | 132322<br>(1745.0 MHz) | 132647<br>(1777.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                 | 1       | 0         | 11.12                  | 11.12                  | 11.12                  | 0                            | 0        |
|                                      | 1       | 12        | 11.11                  | 11.07                  | 10.93                  |                              | 0        |
|                                      | 1       | 24        | 11.08                  | 10.96                  | 10.84                  |                              | 0        |
|                                      | 12      | 0         | 11.24                  | 11.16                  | 11.19                  | 0-1                          | 0        |
|                                      | 12      | 6         | 11.25                  | 11.16                  | 11.10                  |                              | 0        |
|                                      | 12      | 13        | 11.29                  | 11.15                  | 11.05                  |                              | 0        |
| 16QAM                                | 25      | 0         | 11.25                  | 11.18                  | 11.11                  | 0-1                          | 0        |
|                                      | 1       | 0         | 11.23                  | 11.13                  | 11.34                  |                              | 0        |
|                                      | 1       | 12        | 11.14                  | 11.15                  | 11.21                  |                              | 0        |
|                                      | 1       | 24        | 11.17                  | 11.03                  | 11.02                  | 0-2                          | 0        |
|                                      | 12      | 0         | 11.26                  | 11.14                  | 11.27                  |                              | 0        |
|                                      | 12      | 6         | 11.26                  | 11.13                  | 11.13                  |                              | 0        |
| 64QAM                                | 12      | 13        | 11.21                  | 11.18                  | 11.06                  | 0-2                          | 0        |
|                                      | 12      | 0         | 11.24                  | 11.16                  | 11.11                  |                              | 0        |
|                                      | 1       | 0         | 11.11                  | 11.14                  | 11.49                  |                              | 0-2      |
|                                      | 1       | 12        | 11.02                  | 11.00                  | 11.27                  | 0                            |          |
|                                      | 1       | 24        | 11.00                  | 10.98                  | 11.19                  | 0-3                          |          |
|                                      | 12      | 0         | 11.03                  | 10.99                  | 11.25                  |                              | 0        |
| 12                                   | 6       | 11.01     | 10.96                  | 11.11                  | 0                      |                              |          |
|                                      | 12      | 13        | 10.96                  | 11.04                  | 11.08                  | 0-3                          | 0        |
|                                      | 25      | 0         | 11.01                  | 11.07                  | 11.14                  |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 115 of 284                 |

**Table 8-143**  
**LTE Band 66 Conducted Powers Ant 4a - 3 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 66 (AWS)<br>3 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|--------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 131987<br>(1711.5 MHz) | 132322<br>(1745.0 MHz) | 132657<br>(1778.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                 | 1       | 0         | 11.04                  | 10.91                  | 10.99                  | 0                            | 0        |
|                                      | 1       | 7         | 11.16                  | 10.98                  | 10.95                  |                              | 0        |
|                                      | 1       | 14        | 11.08                  | 10.94                  | 10.84                  |                              | 0        |
|                                      | 8       | 0         | 11.23                  | 11.08                  | 11.05                  | 0-1                          | 0        |
|                                      | 8       | 4         | 11.27                  | 11.06                  | 11.03                  |                              | 0        |
|                                      | 8       | 7         | 11.26                  | 11.07                  | 11.02                  |                              | 0        |
|                                      | 15      | 0         | 11.27                  | 11.06                  | 11.03                  |                              | 0        |
| 16QAM                                | 1       | 0         | 11.27                  | 11.02                  | 11.09                  | 0-1                          | 0        |
|                                      | 1       | 7         | 11.33                  | 11.08                  | 11.22                  |                              | 0        |
|                                      | 1       | 14        | 11.14                  | 10.99                  | 10.99                  |                              | 0        |
|                                      | 8       | 0         | 11.24                  | 11.14                  | 11.16                  | 0-2                          | 0        |
|                                      | 8       | 4         | 11.34                  | 11.05                  | 11.08                  |                              | 0        |
|                                      | 8       | 7         | 11.23                  | 11.14                  | 11.04                  |                              | 0        |
|                                      | 15      | 0         | 11.27                  | 11.07                  | 11.03                  |                              | 0        |
| 64QAM                                | 1       | 0         | 11.15                  | 11.36                  | 11.32                  | 0-2                          | 0        |
|                                      | 1       | 7         | 11.23                  | 11.42                  | 11.33                  |                              | 0        |
|                                      | 1       | 14        | 11.15                  | 11.33                  | 11.21                  |                              | 0        |
|                                      | 8       | 0         | 11.14                  | 11.32                  | 11.20                  | 0-3                          | 0        |
|                                      | 8       | 4         | 11.14                  | 11.29                  | 11.18                  |                              | 0        |
|                                      | 8       | 7         | 11.16                  | 11.29                  | 11.16                  |                              | 0        |
|                                      | 15      | 0         | 11.15                  | 11.30                  | 11.19                  |                              | 0        |

**Table 8-144**  
**LTE Band 66 Conducted Powers Ant 4a - 1.4 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 66 (AWS)<br>1.4 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|----------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 131979<br>(1710.7 MHz) | 132322<br>(1745.0 MHz) | 132665<br>(1779.3 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                   | 1       | 0         | 11.14                  | 11.18                  | 11.15                  | 0                            | 0        |
|                                        | 1       | 2         | 11.11                  | 11.16                  | 11.10                  |                              | 0        |
|                                        | 1       | 5         | 11.17                  | 11.12                  | 11.10                  |                              | 0        |
|                                        | 3       | 0         | 11.10                  | 11.08                  | 11.03                  |                              | 0        |
|                                        | 3       | 2         | 11.10                  | 11.03                  | 10.98                  |                              | 0        |
|                                        | 3       | 3         | 11.11                  | 11.05                  | 10.98                  |                              | 0        |
|                                        | 6       | 0         | 11.07                  | 11.05                  | 11.03                  | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 11.15                  | 11.20                  | 11.20                  | 0-1                          | 0        |
|                                        | 1       | 2         | 11.12                  | 11.25                  | 11.12                  |                              | 0        |
|                                        | 1       | 5         | 11.23                  | 11.23                  | 11.14                  |                              | 0        |
|                                        | 3       | 0         | 11.21                  | 11.22                  | 11.08                  |                              | 0        |
|                                        | 3       | 2         | 11.16                  | 11.19                  | 11.19                  |                              | 0        |
|                                        | 3       | 3         | 11.17                  | 11.20                  | 11.16                  |                              | 0        |
|                                        | 6       | 0         | 11.13                  | 11.10                  | 11.14                  | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 11.29                  | 11.24                  | 11.25                  | 0-2                          | 0        |
|                                        | 1       | 2         | 11.22                  | 11.20                  | 11.24                  |                              | 0        |
|                                        | 1       | 5         | 11.31                  | 11.16                  | 11.17                  |                              | 0        |
|                                        | 3       | 0         | 11.25                  | 11.16                  | 11.21                  |                              | 0        |
|                                        | 3       | 2         | 11.24                  | 11.13                  | 11.17                  |                              | 0        |
|                                        | 3       | 3         | 11.24                  | 11.15                  | 11.17                  |                              | 0        |
|                                        | 6       | 0         | 11.15                  | 11.12                  | 11.14                  | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 116 of 284                 |

**Table 8-145**  
**LTE Band 66 Conducted Powers Ant 4b - 20 MHz Bandwidth**

| LTE Band 66 (AWS)<br>20 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132072<br>(1720.0 MHz) | 132322<br>(1745.0 MHz) | 132572<br>(1770.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 13.48                  | 13.30                  | 13.14                  | 0                            | 0        |
|                                       | 1       | 50        | 13.50                  | 13.40                  | 13.12                  |                              | 0        |
|                                       | 1       | 99        | 13.31                  | 13.40                  | 13.10                  |                              | 0        |
|                                       | 50      | 0         | 13.49                  | 13.28                  | 13.27                  | 0-1                          | 0        |
|                                       | 50      | 25        | 13.48                  | 13.38                  | 13.33                  |                              | 0        |
|                                       | 50      | 50        | 13.39                  | 13.43                  | 13.27                  |                              | 0        |
| 16QAM                                 | 100     | 0         | 13.47                  | 13.36                  | 13.30                  | 0-1                          | 0        |
|                                       | 1       | 0         | 13.30                  | 13.22                  | 13.16                  |                              | 0        |
|                                       | 1       | 50        | 13.40                  | 13.19                  | 13.07                  |                              | 0        |
|                                       | 1       | 99        | 13.12                  | 13.32                  | 12.97                  | 0-2                          | 0        |
|                                       | 50      | 0         | 13.00                  | 12.91                  | 12.85                  |                              | 0        |
|                                       | 50      | 25        | 13.00                  | 12.95                  | 12.83                  |                              | 0        |
| 64QAM                                 | 50      | 50        | 12.95                  | 13.08                  | 12.82                  | 0-2                          | 0        |
|                                       | 100     | 0         | 13.00                  | 12.92                  | 12.80                  |                              | 0        |
|                                       | 1       | 0         | 13.39                  | 13.49                  | 13.38                  |                              | 0-2      |
|                                       | 1       | 50        | 13.47                  | 13.48                  | 13.32                  | 0                            |          |
|                                       | 1       | 99        | 13.26                  | 13.50                  | 13.10                  | 0-3                          |          |
|                                       | 50      | 0         | 13.14                  | 13.12                  | 13.11                  |                              | 0        |
| 50                                    | 25      | 13.10     | 13.16                  | 13.10                  | 0                      |                              |          |
| 64QAM                                 | 50      | 50        | 13.10                  | 13.25                  | 13.00                  | 0-3                          | 0        |
|                                       | 100     | 0         | 13.12                  | 13.09                  | 13.06                  |                              | 0        |

**Table 8-146**  
**LTE Band 66 Conducted Powers Ant 4b - 15 MHz Bandwidth**

| LTE Band 66 (AWS)<br>15 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132047<br>(1717.5 MHz) | 132322<br>(1745.0 MHz) | 132597<br>(1772.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 13.46                  | 13.28                  | 12.92                  | 0                            | 0        |
|                                       | 1       | 36        | 13.47                  | 13.37                  | 13.07                  |                              | 0        |
|                                       | 1       | 74        | 13.27                  | 13.36                  | 13.05                  |                              | 0        |
|                                       | 36      | 0         | 13.44                  | 13.23                  | 13.22                  | 0-1                          | 0        |
|                                       | 36      | 18        | 13.42                  | 13.32                  | 13.28                  |                              | 0        |
|                                       | 36      | 37        | 13.32                  | 13.36                  | 13.22                  |                              | 0        |
|                                       | 75      | 0         | 13.39                  | 13.28                  | 13.25                  | 0                            |          |
| 16QAM                                 | 1       | 0         | 13.42                  | 13.13                  | 13.11                  | 0-1                          | 0        |
|                                       | 1       | 36        | 13.43                  | 13.16                  | 13.02                  |                              | 0        |
|                                       | 1       | 74        | 13.23                  | 13.32                  | 12.92                  |                              | 0        |
|                                       | 36      | 0         | 13.40                  | 12.91                  | 12.80                  | 0-2                          | 0        |
|                                       | 36      | 18        | 13.38                  | 12.95                  | 12.78                  |                              | 0        |
|                                       | 36      | 37        | 13.28                  | 13.08                  | 12.78                  |                              | 0        |
|                                       | 75      | 0         | 13.35                  | 12.92                  | 12.76                  | 0                            |          |
| 64QAM                                 | 1       | 0         | 13.17                  | 13.49                  | 13.34                  | 0-2                          | 0        |
|                                       | 1       | 36        | 13.26                  | 13.48                  | 13.28                  |                              | 0        |
|                                       | 1       | 74        | 13.37                  | 13.50                  | 13.06                  |                              | 0        |
|                                       | 36      | 0         | 13.38                  | 13.03                  | 13.07                  | 0-3                          | 0        |
|                                       | 36      | 18        | 13.18                  | 13.06                  | 13.06                  |                              | 0        |
|                                       | 36      | 37        | 13.35                  | 13.14                  | 12.96                  |                              | 0        |
|                                       | 75      | 0         | 13.33                  | 12.97                  | 13.02                  | 0                            |          |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 117 of 284                 |

**Table 8-147**  
**LTE Band 66 Conducted Powers Ant 4b - 10 MHz Bandwidth**

| LTE Band 66 (AWS)<br>10 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132022<br>(1715.0 MHz) | 132322<br>(1745.0 MHz) | 132622<br>(1775.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 13.30                  | 13.14                  | 13.22                  | 0                            | 0        |
|                                       | 1       | 25        | 13.24                  | 13.21                  | 13.17                  |                              | 0        |
|                                       | 1       | 49        | 13.22                  | 13.32                  | 13.21                  |                              | 0        |
|                                       | 25      | 0         | 13.35                  | 13.19                  | 13.29                  | 0-1                          | 0        |
|                                       | 25      | 12        | 13.32                  | 13.30                  | 13.25                  |                              | 0        |
|                                       | 25      | 25        | 13.33                  | 13.40                  | 13.30                  |                              | 0        |
| 16QAM                                 | 50      | 0         | 13.35                  | 13.30                  | 13.28                  | 0-1                          | 0        |
|                                       | 1       | 0         | 13.26                  | 13.26                  | 12.98                  |                              | 0        |
|                                       | 1       | 25        | 13.25                  | 13.21                  | 12.97                  |                              | 0        |
|                                       | 1       | 49        | 13.25                  | 13.22                  | 13.25                  | 0-2                          | 0        |
|                                       | 25      | 0         | 13.16                  | 13.05                  | 13.09                  |                              | 0        |
|                                       | 25      | 12        | 13.15                  | 13.12                  | 12.99                  |                              | 0        |
| 64QAM                                 | 25      | 25        | 13.15                  | 13.20                  | 13.05                  | 0-2                          | 0        |
|                                       | 50      | 0         | 13.15                  | 13.14                  | 13.03                  |                              | 0        |
|                                       | 1       | 0         | 13.11                  | 13.21                  | 13.17                  |                              | 0-2      |
|                                       | 1       | 25        | 13.12                  | 13.22                  | 13.11                  | 0                            |          |
|                                       | 1       | 49        | 13.21                  | 13.17                  | 13.30                  | 0-3                          |          |
|                                       | 25      | 0         | 13.25                  | 13.18                  | 13.26                  |                              | 0        |
| 25                                    | 12      | 13.23     | 13.23                  | 13.13                  | 0                      |                              |          |
| 64QAM                                 | 25      | 25        | 13.27                  | 13.26                  | 13.15                  | 0-3                          | 0        |
|                                       | 50      | 0         | 13.19                  | 13.19                  | 13.20                  |                              | 0        |

**Table 8-148**  
**LTE Band 66 Conducted Powers Ant 4b - 5 MHz Bandwidth**

| LTE Band 66 (AWS)<br>5 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|--------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 131997<br>(1712.5 MHz) | 132322<br>(1745.0 MHz) | 132647<br>(1777.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                 | 1       | 0         | 13.37                  | 13.10                  | 12.94                  | 0                            | 0        |
|                                      | 1       | 12        | 13.34                  | 13.18                  | 12.97                  |                              | 0        |
|                                      | 1       | 24        | 13.35                  | 13.34                  | 13.12                  |                              | 0        |
|                                      | 12      | 0         | 13.36                  | 13.17                  | 13.13                  | 0-1                          | 0        |
|                                      | 12      | 6         | 13.34                  | 13.23                  | 13.16                  |                              | 0        |
|                                      | 12      | 13        | 13.34                  | 13.31                  | 13.20                  |                              | 0        |
|                                      | 25      | 0         | 13.35                  | 13.28                  | 13.18                  | 0                            |          |
| 16QAM                                | 1       | 0         | 13.31                  | 13.29                  | 13.14                  | 0-1                          | 0        |
|                                      | 1       | 12        | 13.33                  | 13.25                  | 13.16                  |                              | 0        |
|                                      | 1       | 24        | 13.32                  | 13.31                  | 13.21                  |                              | 0        |
|                                      | 12      | 0         | 13.30                  | 13.17                  | 13.19                  | 0-2                          | 0        |
|                                      | 12      | 6         | 13.27                  | 13.11                  | 13.28                  |                              | 0        |
|                                      | 12      | 13        | 13.25                  | 13.16                  | 13.27                  |                              | 0        |
|                                      | 25      | 0         | 13.31                  | 13.21                  | 13.19                  | 0                            |          |
| 64QAM                                | 1       | 0         | 13.17                  | 13.21                  | 13.25                  | 0-2                          | 0        |
|                                      | 1       | 12        | 13.15                  | 13.20                  | 13.14                  |                              | 0        |
|                                      | 1       | 24        | 13.16                  | 13.39                  | 13.15                  |                              | 0        |
|                                      | 12      | 0         | 13.21                  | 13.34                  | 13.19                  | 0-3                          | 0        |
|                                      | 12      | 6         | 13.22                  | 13.35                  | 13.21                  |                              | 0        |
|                                      | 12      | 13        | 13.23                  | 13.37                  | 13.22                  |                              | 0        |
|                                      | 25      | 0         | 13.25                  | 13.29                  | 13.21                  | 0                            |          |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 118 of 284                 |

**Table 8-149**  
**LTE Band 66 Conducted Powers Ant 4b - 3 MHz Bandwidth**

| LTE Band 66 (AWS)<br>3 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|--------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 131987<br>(1711.5 MHz) | 132322<br>(1745.0 MHz) | 132657<br>(1778.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                 | 1       | 0         | 13.19                  | 13.05                  | 13.07                  | 0                            | 0        |
|                                      | 1       | 7         | 13.25                  | 13.20                  | 13.14                  |                              | 0        |
|                                      | 1       | 14        | 13.22                  | 13.20                  | 13.17                  |                              | 0        |
|                                      | 8       | 0         | 13.33                  | 13.17                  | 13.21                  | 0-1                          | 0        |
|                                      | 8       | 4         | 13.31                  | 13.27                  | 13.21                  |                              | 0        |
|                                      | 8       | 7         | 13.34                  | 13.27                  | 13.22                  |                              | 0        |
| 16QAM                                | 15      | 0         | 13.35                  | 13.29                  | 13.22                  | 0-1                          | 0        |
|                                      | 1       | 0         | 13.31                  | 13.29                  | 13.26                  |                              | 0        |
|                                      | 1       | 7         | 13.34                  | 13.27                  | 13.21                  |                              | 0        |
|                                      | 1       | 14        | 13.27                  | 13.31                  | 13.25                  | 0-2                          | 0        |
|                                      | 8       | 0         | 13.25                  | 13.27                  | 13.24                  |                              | 0        |
|                                      | 8       | 4         | 13.26                  | 13.18                  | 13.26                  |                              | 0        |
| 64QAM                                | 8       | 7         | 13.27                  | 13.21                  | 13.25                  | 0-2                          | 0        |
|                                      | 15      | 0         | 13.29                  | 13.25                  | 13.27                  |                              | 0        |
|                                      | 1       | 0         | 13.31                  | 13.26                  | 13.25                  |                              | 0-2      |
|                                      | 1       | 7         | 13.33                  | 13.17                  | 13.29                  | 0                            |          |
|                                      | 1       | 14        | 13.19                  | 13.19                  | 13.35                  | 0-3                          |          |
|                                      | 8       | 0         | 13.21                  | 13.21                  | 13.37                  |                              | 0        |
| 8                                    | 4       | 13.25     | 13.22                  | 13.39                  | 0                      |                              |          |
|                                      | 8       | 7         | 13.28                  | 13.23                  | 13.21                  |                              | 0        |
|                                      | 15      | 0         | 13.21                  | 13.31                  | 13.25                  |                              | 0        |

**Table 8-150**  
**LTE Band 66 Conducted Powers Ant 4b - 1.4 MHz Bandwidth**

| LTE Band 66 (AWS)<br>1.4 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|----------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 131979<br>(1710.7 MHz) | 132322<br>(1745.0 MHz) | 132665<br>(1779.3 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                   | 1       | 0         | 13.28                  | 13.24                  | 13.26                  | 0                            | 0        |
|                                        | 1       | 2         | 13.26                  | 13.21                  | 13.25                  |                              | 0        |
|                                        | 1       | 5         | 13.29                  | 13.28                  | 13.40                  |                              | 0        |
|                                        | 3       | 0         | 13.38                  | 13.28                  | 13.21                  |                              | 0        |
|                                        | 3       | 2         | 13.35                  | 13.30                  | 13.21                  |                              | 0        |
|                                        | 3       | 3         | 13.36                  | 13.32                  | 13.30                  |                              | 0        |
|                                        | 6       | 0         | 13.36                  | 13.31                  | 13.24                  | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 13.31                  | 13.26                  | 13.19                  | 0-1                          | 0        |
|                                        | 1       | 2         | 13.29                  | 13.24                  | 13.25                  |                              | 0        |
|                                        | 1       | 5         | 13.39                  | 13.15                  | 13.17                  |                              | 0        |
|                                        | 3       | 0         | 13.21                  | 13.18                  | 13.26                  |                              | 0        |
|                                        | 3       | 2         | 13.19                  | 13.23                  | 13.21                  |                              | 0        |
|                                        | 3       | 3         | 13.27                  | 13.21                  | 13.31                  |                              | 0        |
|                                        | 6       | 0         | 13.39                  | 13.25                  | 13.28                  | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 13.38                  | 13.19                  | 13.20                  | 0-2                          | 0        |
|                                        | 1       | 2         | 13.42                  | 13.25                  | 13.25                  |                              | 0        |
|                                        | 1       | 5         | 13.36                  | 13.29                  | 13.27                  |                              | 0        |
|                                        | 3       | 0         | 13.29                  | 13.31                  | 13.21                  |                              | 0        |
|                                        | 3       | 2         | 13.19                  | 13.25                  | 13.22                  |                              | 0        |
|                                        | 3       | 3         | 13.25                  | 13.21                  | 13.23                  |                              | 0        |
|                                        | 6       | 0         | 13.26                  | 13.20                  | 13.25                  | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |  |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  |  | Page 119 of 284                 |

**Table 8-151**  
**LTE Band 66 Conducted Powers Ant 4b - 20 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 66 (AWS)<br>20 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132072<br>(1720.0 MHz) | 132322<br>(1745.0 MHz) | 132572<br>(1770.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 9.93                   | 9.92                   | 10.05                  | 0                            | 0        |
|                                       | 1       | 50        | 9.87                   | 10.06                  | 9.97                   |                              | 0        |
|                                       | 1       | 99        | 9.90                   | 10.50                  | 10.20                  |                              | 0        |
|                                       | 50      | 0         | 10.08                  | 10.07                  | 9.93                   | 0-1                          | 0        |
|                                       | 50      | 25        | 10.01                  | 10.24                  | 9.89                   |                              | 0        |
|                                       | 50      | 50        | 9.90                   | 10.45                  | 9.90                   |                              | 0        |
|                                       | 100     | 0         | 9.90                   | 10.39                  | 9.90                   |                              | 0        |
| 16QAM                                 | 1       | 0         | 10.30                  | 10.06                  | 10.19                  | 0-1                          | 0        |
|                                       | 1       | 50        | 10.13                  | 10.22                  | 9.89                   |                              | 0        |
|                                       | 1       | 99        | 10.00                  | 10.34                  | 10.20                  |                              | 0        |
|                                       | 50      | 0         | 10.10                  | 10.08                  | 9.84                   | 0-2                          | 0        |
|                                       | 50      | 25        | 10.04                  | 10.15                  | 9.70                   |                              | 0        |
|                                       | 50      | 50        | 9.95                   | 10.15                  | 9.83                   |                              | 0        |
|                                       | 100     | 0         | 10.05                  | 10.30                  | 9.75                   |                              | 0        |
| 64QAM                                 | 1       | 0         | 10.12                  | 10.09                  | 10.11                  | 0-2                          | 0        |
|                                       | 1       | 50        | 10.00                  | 10.30                  | 10.07                  |                              | 0        |
|                                       | 1       | 99        | 9.75                   | 10.46                  | 10.31                  |                              | 0        |
|                                       | 50      | 0         | 9.97                   | 10.27                  | 9.97                   | 0-3                          | 0        |
|                                       | 50      | 25        | 10.00                  | 10.30                  | 9.90                   |                              | 0        |
|                                       | 50      | 50        | 9.91                   | 10.45                  | 10.00                  |                              | 0        |
|                                       | 100     | 0         | 10.04                  | 10.40                  | 9.70                   |                              | 0        |

**Table 8-152**  
**LTE Band 66 Conducted Powers Ant 4b - 15 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 66 (AWS)<br>15 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132047<br>(1717.5 MHz) | 132322<br>(1745.0 MHz) | 132597<br>(1772.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 9.88                   | 10.05                  | 9.74                   | 0                            | 0        |
|                                       | 1       | 36        | 9.79                   | 10.18                  | 9.69                   |                              | 0        |
|                                       | 1       | 74        | 9.58                   | 10.16                  | 9.86                   |                              | 0        |
|                                       | 36      | 0         | 9.91                   | 10.12                  | 9.68                   | 0-1                          | 0        |
|                                       | 36      | 18        | 9.88                   | 10.23                  | 9.77                   |                              | 0        |
|                                       | 36      | 37        | 9.79                   | 10.26                  | 9.80                   |                              | 0        |
|                                       | 75      | 0         | 9.90                   | 10.22                  | 9.76                   |                              | 0        |
| 16QAM                                 | 1       | 0         | 10.02                  | 10.24                  | 9.63                   | 0-1                          | 0        |
|                                       | 1       | 36        | 9.97                   | 10.37                  | 9.73                   |                              | 0        |
|                                       | 1       | 74        | 9.68                   | 10.35                  | 10.07                  |                              | 0        |
|                                       | 36      | 0         | 9.97                   | 10.15                  | 9.78                   | 0-2                          | 0        |
|                                       | 36      | 18        | 9.86                   | 10.04                  | 9.80                   |                              | 0        |
|                                       | 36      | 37        | 9.77                   | 10.14                  | 9.81                   |                              | 0        |
|                                       | 75      | 0         | 9.85                   | 10.05                  | 9.79                   |                              | 0        |
| 64QAM                                 | 1       | 0         | 9.85                   | 10.05                  | 9.70                   | 0-2                          | 0        |
|                                       | 1       | 36        | 9.64                   | 10.45                  | 9.94                   |                              | 0        |
|                                       | 1       | 74        | 9.66                   | 10.19                  | 10.22                  |                              | 0        |
|                                       | 36      | 0         | 9.68                   | 10.05                  | 9.51                   | 0-3                          | 0        |
|                                       | 36      | 18        | 9.67                   | 10.19                  | 9.60                   |                              | 0        |
|                                       | 36      | 37        | 9.60                   | 10.19                  | 9.66                   |                              | 0        |
|                                       | 75      | 0         | 9.68                   | 10.14                  | 9.57                   |                              | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 120 of 284                 |

**Table 8-153**  
**LTE Band 66 Conducted Powers Ant 4b - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 66 (AWS)<br>10 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132022<br>(1715.0 MHz) | 132322<br>(1745.0 MHz) | 132622<br>(1775.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 9.75                   | 10.21                  | 9.90                   | 0                            | 0        |
|                                       | 1       | 25        | 9.84                   | 10.15                  | 9.95                   |                              | 0        |
|                                       | 1       | 49        | 10.04                  | 10.24                  | 10.01                  |                              | 0        |
|                                       | 25      | 0         | 10.05                  | 10.04                  | 9.91                   | 0-1                          | 0        |
|                                       | 25      | 12        | 10.05                  | 10.17                  | 9.96                   |                              | 0        |
|                                       | 25      | 25        | 10.07                  | 10.26                  | 9.98                   |                              | 0        |
| 16QAM                                 | 50      | 0         | 10.06                  | 10.16                  | 9.98                   | 0-1                          | 0        |
|                                       | 1       | 0         | 9.98                   | 10.08                  | 9.92                   |                              | 0        |
|                                       | 1       | 25        | 10.13                  | 10.16                  | 10.04                  |                              | 0        |
|                                       | 1       | 49        | 10.13                  | 10.26                  | 9.99                   | 0-2                          | 0        |
|                                       | 25      | 0         | 10.07                  | 10.04                  | 9.92                   |                              | 0        |
|                                       | 25      | 12        | 10.10                  | 10.20                  | 9.96                   |                              | 0        |
| 64QAM                                 | 25      | 25        | 10.12                  | 10.27                  | 10.00                  | 0-2                          | 0        |
|                                       | 50      | 0         | 10.10                  | 10.19                  | 9.98                   |                              | 0        |
|                                       | 1       | 0         | 10.05                  | 10.17                  | 10.00                  |                              | 0-2      |
|                                       | 1       | 25        | 9.96                   | 10.27                  | 10.20                  | 0                            |          |
|                                       | 1       | 49        | 10.01                  | 10.41                  | 10.35                  | 0-3                          |          |
|                                       | 25      | 0         | 9.86                   | 9.87                   | 9.68                   |                              | 0        |
| 25                                    | 12      | 9.86      | 10.06                  | 9.75                   | 0                      |                              |          |
| 64QAM                                 | 25      | 25        | 9.90                   | 10.15                  | 9.84                   | 0-3                          | 0        |
|                                       | 50      | 0         | 9.88                   | 10.06                  | 9.72                   |                              | 0        |

**Table 8-154**  
**LTE Band 66 Conducted Powers Ant 4b - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 66 (AWS)<br>5 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|--------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 131997<br>(1712.5 MHz) | 132322<br>(1745.0 MHz) | 132647<br>(1777.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                 | 1       | 0         | 10.03                  | 10.08                  | 9.95                   | 0                            | 0        |
|                                      | 1       | 12        | 10.04                  | 10.14                  | 9.95                   |                              | 0        |
|                                      | 1       | 24        | 10.04                  | 10.19                  | 10.06                  |                              | 0        |
|                                      | 12      | 0         | 10.17                  | 10.04                  | 10.11                  | 0-1                          | 0        |
|                                      | 12      | 6         | 10.18                  | 10.16                  | 10.18                  |                              | 0        |
|                                      | 12      | 13        | 10.21                  | 10.13                  | 10.17                  |                              | 0        |
| 16QAM                                | 25      | 0         | 10.21                  | 10.13                  | 10.17                  | 0-1                          | 0        |
|                                      | 1       | 0         | 10.21                  | 10.17                  | 10.19                  |                              | 0        |
|                                      | 1       | 12        | 10.16                  | 10.23                  | 10.14                  |                              | 0        |
|                                      | 1       | 24        | 10.24                  | 10.39                  | 10.13                  | 0-2                          | 0        |
|                                      | 12      | 0         | 10.19                  | 10.09                  | 10.12                  |                              | 0        |
|                                      | 12      | 6         | 10.25                  | 10.18                  | 10.13                  |                              | 0        |
| 64QAM                                | 12      | 13        | 10.26                  | 10.17                  | 10.14                  | 0-2                          | 0        |
|                                      | 25      | 0         | 10.27                  | 10.20                  | 10.18                  |                              | 0        |
|                                      | 1       | 0         | 10.16                  | 9.93                   | 10.23                  |                              | 0-2      |
|                                      | 1       | 12        | 10.09                  | 10.18                  | 10.36                  | 0                            |          |
|                                      | 1       | 24        | 10.24                  | 10.16                  | 10.33                  | 0-3                          |          |
|                                      | 12      | 0         | 10.08                  | 9.92                   | 9.98                   |                              | 0        |
| 12                                   | 6       | 10.09     | 9.98                   | 10.07                  | 0                      |                              |          |
|                                      | 12      | 13        | 10.14                  | 9.99                   | 10.16                  | 0-3                          | 0        |
|                                      | 25      | 0         | 10.04                  | 10.02                  | 10.08                  |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 121 of 284                 |

Table 8-155

## LTE Band 66 Conducted Powers Ant 4b - 3 MHz Bandwidth, Inter-band ULCA Active

| LTE Band 66 (AWS)<br>3 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|--------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 131987<br>(1711.5 MHz) | 132322<br>(1745.0 MHz) | 132657<br>(1778.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                 | 1       | 0         | 9.97                   | 10.01                  | 9.95                   | 0                            | 0        |
|                                      | 1       | 7         | 9.99                   | 10.17                  | 10.03                  |                              | 0        |
|                                      | 1       | 14        | 9.99                   | 10.11                  | 9.97                   |                              | 0        |
|                                      | 8       | 0         | 10.11                  | 10.17                  | 10.06                  | 0-1                          | 0        |
|                                      | 8       | 4         | 10.11                  | 10.26                  | 10.06                  |                              | 0        |
|                                      | 8       | 7         | 10.12                  | 10.26                  | 10.14                  |                              | 0        |
| 16QAM                                | 15      | 0         | 10.12                  | 10.26                  | 10.07                  | 0-1                          | 0        |
|                                      | 1       | 0         | 10.11                  | 10.22                  | 9.98                   |                              | 0        |
|                                      | 1       | 7         | 10.18                  | 10.32                  | 10.01                  |                              | 0        |
|                                      | 1       | 14        | 9.98                   | 10.25                  | 9.91                   | 0-2                          | 0        |
|                                      | 8       | 0         | 10.17                  | 10.22                  | 10.12                  |                              | 0        |
|                                      | 8       | 4         | 10.13                  | 10.32                  | 10.08                  |                              | 0        |
| 64QAM                                | 8       | 7         | 10.15                  | 10.32                  | 10.19                  | 0-2                          | 0        |
|                                      | 15      | 0         | 10.18                  | 10.32                  | 10.09                  |                              | 0        |
|                                      | 1       | 0         | 9.95                   | 10.28                  | 10.00                  |                              | 0-2      |
|                                      | 1       | 7         | 9.95                   | 10.34                  | 10.03                  | 0                            |          |
|                                      | 1       | 14        | 10.08                  | 10.21                  | 10.11                  | 0                            |          |
|                                      | 8       | 0         | 9.98                   | 10.17                  | 9.85                   | 0-3                          | 0        |
| 8                                    | 4       | 9.98      | 10.25                  | 9.85                   | 0                      |                              |          |
| 8                                    | 7       | 9.95      | 10.26                  | 9.91                   | 0                      |                              |          |
|                                      | 15      | 0         | 9.97                   | 10.22                  | 9.86                   |                              | 0        |

Table 8-156

## LTE Band 66 Conducted Powers Ant 4b - 1.4 MHz Bandwidth, Inter-band ULCA Active

| LTE Band 66 (AWS)<br>1.4 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|----------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 131979<br>(1710.7 MHz) | 132322<br>(1745.0 MHz) | 132665<br>(1779.3 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                   | 1       | 0         | 10.09                  | 10.27                  | 10.02                  | 0                            | 0        |
|                                        | 1       | 2         | 10.01                  | 10.26                  | 9.98                   |                              | 0        |
|                                        | 1       | 5         | 10.03                  | 10.28                  | 9.96                   |                              | 0        |
|                                        | 3       | 0         | 9.99                   | 10.18                  | 9.92                   |                              | 0        |
|                                        | 3       | 2         | 9.99                   | 10.18                  | 9.89                   |                              | 0        |
|                                        | 3       | 3         | 9.99                   | 10.15                  | 9.92                   |                              | 0        |
|                                        | 6       | 0         | 9.99                   | 10.18                  | 9.91                   | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 10.16                  | 10.17                  | 10.02                  | 0-1                          | 0        |
|                                        | 1       | 2         | 10.07                  | 10.17                  | 10.07                  |                              | 0        |
|                                        | 1       | 5         | 10.12                  | 10.16                  | 10.03                  |                              | 0        |
|                                        | 3       | 0         | 10.09                  | 10.24                  | 10.06                  |                              | 0        |
|                                        | 3       | 2         | 10.09                  | 10.34                  | 10.04                  |                              | 0        |
|                                        | 3       | 3         | 10.11                  | 10.30                  | 10.04                  |                              | 0        |
|                                        | 6       | 0         | 10.03                  | 10.24                  | 9.97                   | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 10.17                  | 10.27                  | 9.89                   | 0-2                          | 0        |
|                                        | 1       | 2         | 10.18                  | 10.14                  | 9.84                   |                              | 0        |
|                                        | 1       | 5         | 10.19                  | 10.11                  | 9.83                   |                              | 0        |
|                                        | 3       | 0         | 10.03                  | 10.16                  | 9.90                   |                              | 0        |
|                                        | 3       | 2         | 10.07                  | 10.19                  | 9.83                   |                              | 0        |
|                                        | 3       | 3         | 9.99                   | 10.17                  | 9.83                   |                              | 0        |
|                                        | 6       | 0         | 10.15                  | 10.16                  | 9.86                   | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 122 of 284                 |

### 8.3.7

### LTE Band 2

**Table 8-157**  
**LTE Band 2 Conducted Powers Ant 2a - 20 MHz Bandwidth**

| LTE Band 2 (PCS)<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18700<br>(1860.0 MHz) | 18900<br>(1880.0 MHz) | 19100<br>(1900.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 14.56                 | 14.81                 | 14.93                 | 0                            | 0        |
|                                      | 1       | 50        | 14.64                 | 14.70                 | 14.83                 |                              | 0        |
|                                      | 1       | 99        | 14.77                 | 14.99                 | 15.00                 |                              | 0        |
|                                      | 50      | 0         | 14.73                 | 14.79                 | 14.89                 | 0-1                          | 0        |
|                                      | 50      | 25        | 14.84                 | 14.71                 | 14.81                 |                              | 0        |
|                                      | 50      | 50        | 14.92                 | 14.78                 | 14.99                 |                              | 0        |
| 16QAM                                | 100     | 0         | 14.84                 | 14.73                 | 14.91                 | 0                            |          |
|                                      | 1       | 0         | 14.69                 | 14.76                 | 14.97                 | 0-1                          | 0        |
|                                      | 1       | 50        | 14.77                 | 14.67                 | 14.93                 |                              | 0        |
|                                      | 1       | 99        | 14.95                 | 14.97                 | 15.00                 |                              | 0        |
|                                      | 50      | 0         | 14.58                 | 14.54                 | 14.62                 | 0-2                          | 0        |
|                                      | 50      | 25        | 14.64                 | 14.47                 | 14.61                 |                              | 0        |
| 50                                   | 50      | 14.70     | 14.60                 | 14.72                 | 0                     |                              |          |
| 64QAM                                | 100     | 0         | 14.71                 | 14.50                 | 14.62                 | 0                            |          |
|                                      | 1       | 0         | 14.81                 | 14.98                 | 14.95                 | 0-2                          | 0        |
|                                      | 1       | 50        | 14.82                 | 14.73                 | 14.88                 |                              | 0        |
|                                      | 1       | 99        | 14.86                 | 15.00                 | 15.00                 |                              | 0        |
|                                      | 50      | 0         | 14.68                 | 14.64                 | 14.70                 | 0-3                          | 0        |
|                                      | 50      | 25        | 14.71                 | 14.51                 | 14.68                 |                              | 0        |
| 50                                   | 50      | 14.71     | 14.70                 | 14.88                 | 0                     |                              |          |
|                                      | 100     | 0         | 14.75                 | 14.52                 | 14.71                 | 0                            |          |

**Table 8-158**  
**LTE Band 2 Conducted Powers Ant 2a - 15 MHz Bandwidth**

| LTE Band 2 (PCS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18675<br>(1857.5 MHz) | 18900<br>(1880.0 MHz) | 19125<br>(1902.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 14.57                 | 14.60                 | 14.72                 | 0                            | 0        |
|                                      | 1       | 36        | 14.70                 | 14.38                 | 14.69                 |                              | 0        |
|                                      | 1       | 74        | 14.68                 | 14.65                 | 14.98                 |                              | 0        |
|                                      | 36      | 0         | 14.56                 | 14.45                 | 14.75                 | 0-1                          | 0        |
|                                      | 36      | 18        | 14.72                 | 14.42                 | 14.74                 |                              | 0        |
|                                      | 36      | 37        | 14.68                 | 14.57                 | 14.92                 |                              | 0        |
| 16QAM                                | 75      | 0         | 14.73                 | 14.43                 | 14.75                 | 0-1                          | 0        |
|                                      | 1       | 0         | 14.81                 | 14.90                 | 14.94                 |                              | 0        |
|                                      | 1       | 36        | 14.90                 | 14.64                 | 14.93                 |                              | 0        |
|                                      | 1       | 74        | 14.94                 | 14.90                 | 14.99                 | 0-2                          | 0        |
|                                      | 36      | 0         | 14.60                 | 14.50                 | 14.80                 |                              | 0        |
|                                      | 36      | 18        | 14.76                 | 14.45                 | 14.77                 |                              | 0        |
| 64QAM                                | 36      | 37        | 14.73                 | 14.60                 | 14.95                 | 0-2                          | 0        |
|                                      | 75      | 0         | 14.77                 | 14.46                 | 14.77                 |                              | 0        |
|                                      | 1       | 0         | 14.80                 | 14.84                 | 14.90                 |                              | 0-2      |
|                                      | 1       | 36        | 14.97                 | 14.68                 | 14.92                 | 0                            |          |
|                                      | 1       | 74        | 14.86                 | 14.91                 | 14.98                 | 0-3                          |          |
|                                      | 36      | 0         | 14.59                 | 14.50                 | 14.79                 |                              | 0        |
| 36                                   | 18      | 14.78     | 14.46                 | 14.77                 | 0                     |                              |          |
|                                      | 36      | 37        | 14.72                 | 14.61                 | 14.95                 | 0-3                          | 0        |
|                                      | 75      | 0         | 14.77                 | 14.46                 | 14.76                 |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 123 of 284                 |

**Table 8-159**  
**LTE Band 2 Conducted Powers Ant 2a - 10 MHz Bandwidth**

| LTE Band 2 (PCS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18650<br>(1855.0 MHz) | 18900<br>(1880.0 MHz) | 19150<br>(1905.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 14.60                 | 14.68                 | 14.69                 | 0                            | 0        |
|                                      | 1       | 25        | 14.59                 | 14.52                 | 14.80                 |                              | 0        |
|                                      | 1       | 49        | 14.78                 | 14.73                 | 14.94                 |                              | 0        |
|                                      | 25      | 0         | 14.62                 | 14.55                 | 14.67                 | 0-1                          | 0        |
|                                      | 25      | 12        | 14.60                 | 14.52                 | 14.82                 |                              | 0        |
|                                      | 25      | 25        | 14.78                 | 14.61                 | 14.99                 |                              | 0        |
| 16QAM                                | 50      | 0         | 14.61                 | 14.52                 | 14.85                 | 0-1                          | 0        |
|                                      | 1       | 0         | 14.83                 | 14.80                 | 14.97                 |                              | 0        |
|                                      | 1       | 25        | 14.84                 | 14.74                 | 14.92                 |                              | 0        |
|                                      | 1       | 49        | 14.95                 | 14.89                 | 14.98                 | 0-2                          | 0        |
|                                      | 25      | 0         | 14.66                 | 14.59                 | 14.70                 |                              | 0        |
|                                      | 25      | 12        | 14.64                 | 14.56                 | 14.84                 |                              | 0        |
| 64QAM                                | 25      | 25        | 14.84                 | 14.65                 | 14.97                 | 0-2                          | 0        |
|                                      | 50      | 0         | 14.63                 | 14.55                 | 14.83                 |                              | 0        |
|                                      | 1       | 0         | 14.79                 | 14.90                 | 14.88                 |                              | 0-3      |
|                                      | 1       | 25        | 14.79                 | 14.75                 | 14.92                 | 0                            |          |
|                                      | 1       | 49        | 14.93                 | 14.97                 | 15.00                 | 0                            |          |
|                                      | 25      | 0         | 14.65                 | 14.59                 | 14.69                 | 0-3                          | 0        |
| 25                                   | 12      | 14.63     | 14.56                 | 14.73                 | 0                     |                              |          |
| 25                                   | 25      | 14.83     | 14.65                 | 14.90                 | 0                     |                              |          |
|                                      | 50      | 0         | 14.65                 | 14.57                 | 14.68                 |                              | 0        |

**Table 8-160**  
**LTE Band 2 Conducted Powers Ant 2a - 5 MHz Bandwidth**

| LTE Band 2 (PCS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 18625<br>(1852.5 MHz) | 18900<br>(1880.0 MHz) | 19175<br>(1907.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 14.57                 | 14.53                 | 14.69                 | 0                            | 0        |
|                                     | 1       | 12        | 14.47                 | 14.48                 | 14.83                 |                              | 0        |
|                                     | 1       | 24        | 14.47                 | 14.60                 | 14.84                 |                              | 0        |
|                                     | 12      | 0         | 14.50                 | 14.51                 | 14.73                 | 0-1                          | 0        |
|                                     | 12      | 6         | 14.49                 | 14.49                 | 14.85                 |                              | 0        |
|                                     | 12      | 13        | 14.41                 | 14.49                 | 14.89                 |                              | 0        |
| 16QAM                               | 25      | 0         | 14.48                 | 14.51                 | 14.86                 | 0-1                          | 0        |
|                                     | 1       | 0         | 14.72                 | 14.72                 | 14.86                 |                              | 0        |
|                                     | 1       | 12        | 14.68                 | 14.66                 | 14.99                 |                              | 0        |
|                                     | 1       | 24        | 14.69                 | 14.73                 | 14.91                 | 0-2                          | 0        |
|                                     | 12      | 0         | 14.50                 | 14.48                 | 14.78                 |                              | 0        |
|                                     | 12      | 6         | 14.49                 | 14.45                 | 14.89                 |                              | 0        |
| 64QAM                               | 12      | 13        | 14.42                 | 14.46                 | 14.93                 | 0-2                          | 0        |
|                                     | 25      | 0         | 14.46                 | 14.45                 | 14.90                 |                              | 0        |
|                                     | 1       | 0         | 14.71                 | 14.73                 | 14.93                 |                              | 0-2      |
|                                     | 1       | 12        | 14.58                 | 14.67                 | 14.90                 | 0                            |          |
|                                     | 1       | 24        | 14.65                 | 14.72                 | 15.00                 | 0                            |          |
|                                     | 12      | 0         | 14.48                 | 14.48                 | 14.77                 | 0-3                          | 0        |
| 12                                  | 6       | 14.46     | 14.45                 | 14.89                 | 0                     |                              |          |
| 12                                  | 13      | 14.40     | 14.45                 | 14.92                 | 0                     |                              |          |
|                                     | 25      | 0         | 14.45                 | 14.42                 | 14.87                 |                              | 0        |

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 124 of 284                        |

**Table 8-161**  
**LTE Band 2 Conducted Powers Ant 2a - 3 MHz Bandwidth**

| LTE Band 2 (PCS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 18615<br>(1851.5 MHz) | 18900<br>(1880.0 MHz) | 19185<br>(1908.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 14.49                 | 14.50                 | 14.61                 | 0                            | 0        |
|                                     | 1       | 7         | 14.51                 | 14.52                 | 14.70                 |                              | 0        |
|                                     | 1       | 14        | 14.40                 | 14.56                 | 14.60                 |                              | 0        |
|                                     | 8       | 0         | 14.48                 | 14.54                 | 14.63                 | 0-1                          | 0        |
|                                     | 8       | 4         | 14.46                 | 14.50                 | 14.65                 |                              | 0        |
|                                     | 8       | 7         | 14.46                 | 14.52                 | 14.66                 |                              | 0        |
| 16QAM                               | 15      | 0         | 14.47                 | 14.53                 | 14.69                 | 0-1                          | 0        |
|                                     | 1       | 0         | 14.68                 | 14.71                 | 14.98                 |                              | 0        |
|                                     | 1       | 7         | 14.67                 | 14.71                 | 14.95                 |                              | 0        |
|                                     | 1       | 14        | 14.59                 | 14.58                 | 14.97                 | 0-2                          | 0        |
|                                     | 8       | 0         | 14.51                 | 14.46                 | 14.67                 |                              | 0        |
|                                     | 8       | 4         | 14.43                 | 14.44                 | 14.64                 |                              | 0        |
| 64QAM                               | 8       | 7         | 14.44                 | 14.46                 | 14.66                 | 0-2                          | 0        |
|                                     | 15      | 0         | 14.38                 | 14.42                 | 14.66                 |                              | 0        |
|                                     | 1       | 0         | 14.79                 | 14.66                 | 14.98                 |                              | 0-2      |
|                                     | 1       | 7         | 14.65                 | 14.67                 | 15.00                 | 0                            |          |
|                                     | 1       | 14        | 14.79                 | 14.42                 | 14.98                 | 0-3                          |          |
|                                     | 8       | 0         | 14.39                 | 14.43                 | 14.68                 |                              | 0        |
| 8                                   | 4       | 14.40     | 14.43                 | 14.71                 | 0                     |                              |          |
|                                     | 8       | 7         | 14.39                 | 14.43                 | 14.67                 | 0-3                          | 0        |
|                                     | 15      | 0         | 14.39                 | 14.42                 | 14.73                 |                              | 0        |

**Table 8-162**  
**LTE Band 2 Conducted Powers Ant 2a - 1.4 MHz Bandwidth**

| LTE Band 2 (PCS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 18607<br>(1850.7 MHz) | 18900<br>(1880.0 MHz) | 19193<br>(1909.3 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 14.51                 | 14.54                 | 14.81                 | 0                            | 0        |
|                                       | 1       | 2         | 14.48                 | 14.51                 | 14.79                 |                              | 0        |
|                                       | 1       | 5         | 14.53                 | 14.52                 | 14.75                 |                              | 0        |
|                                       | 3       | 0         | 14.55                 | 14.52                 | 14.68                 |                              | 0        |
|                                       | 3       | 2         | 14.56                 | 14.51                 | 14.72                 |                              | 0        |
|                                       | 3       | 3         | 14.55                 | 14.52                 | 14.63                 |                              | 0        |
|                                       | 6       | 0         | 14.55                 | 14.52                 | 14.76                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 14.89                 | 14.64                 | 14.97                 | 0-1                          | 0        |
|                                       | 1       | 2         | 14.85                 | 14.53                 | 15.00                 |                              | 0        |
|                                       | 1       | 5         | 14.64                 | 14.33                 | 14.96                 |                              | 0        |
|                                       | 3       | 0         | 14.38                 | 14.36                 | 14.89                 |                              | 0        |
|                                       | 3       | 2         | 14.45                 | 14.37                 | 14.86                 |                              | 0        |
|                                       | 3       | 3         | 14.37                 | 14.36                 | 14.85                 |                              | 0        |
|                                       | 6       | 0         | 14.42                 | 14.37                 | 14.83                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 14.65                 | 14.73                 | 15.00                 | 0-2                          | 0        |
|                                       | 1       | 2         | 14.90                 | 14.42                 | 14.98                 |                              | 0        |
|                                       | 1       | 5         | 14.75                 | 14.75                 | 14.97                 |                              | 0        |
|                                       | 3       | 0         | 14.40                 | 14.49                 | 14.77                 |                              | 0        |
|                                       | 3       | 2         | 14.45                 | 14.48                 | 14.90                 |                              | 0        |
|                                       | 3       | 3         | 14.31                 | 14.52                 | 14.69                 |                              | 0        |
|                                       | 6       | 0         | 14.34                 | 14.45                 | 14.85                 | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 125 of 284                 |

Table 8-163

## LTE Band 2 Conducted Powers Ant 2a - 20 MHz Bandwidth, Inter-band ULCA Active

| LTE Band 2 (PCS)<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18700<br>(1860.0 MHz) | 18900<br>(1880.0 MHz) | 19100<br>(1900.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 11.63                 | 11.75                 | 11.87                 | 0                            | 0        |
|                                      | 1       | 50        | 11.75                 | 11.61                 | 11.76                 |                              | 0        |
|                                      | 1       | 99        | 11.91                 | 11.82                 | 12.00                 |                              | 0        |
|                                      | 50      | 0         | 11.66                 | 11.78                 | 11.76                 | 0-1                          | 0        |
|                                      | 50      | 25        | 11.71                 | 11.73                 | 11.73                 |                              | 0        |
|                                      | 50      | 50        | 11.87                 | 11.74                 | 11.94                 |                              | 0        |
| 16QAM                                | 100     | 0         | 11.81                 | 11.73                 | 11.78                 | 0                            |          |
|                                      | 1       | 0         | 11.56                 | 11.66                 | 11.85                 | 0-1                          | 0        |
|                                      | 1       | 50        | 11.63                 | 11.70                 | 11.69                 |                              | 0        |
|                                      | 1       | 99        | 11.68                 | 11.79                 | 11.94                 |                              | 0-2      |
|                                      | 50      | 0         | 11.38                 | 11.54                 | 11.58                 | 0                            |          |
|                                      | 50      | 25        | 11.47                 | 11.47                 | 11.55                 | 0                            |          |
| 64QAM                                | 50      | 50        | 11.56                 | 11.51                 | 11.68                 | 0-2                          | 0        |
|                                      | 100     | 0         | 11.57                 | 11.50                 | 11.62                 |                              | 0        |
|                                      | 1       | 0         | 11.47                 | 11.62                 | 11.69                 |                              | 0-2      |
|                                      | 1       | 50        | 11.63                 | 11.68                 | 11.53                 | 0                            |          |
|                                      | 1       | 99        | 11.70                 | 11.91                 | 11.80                 | 0-3                          |          |
|                                      | 50      | 0         | 11.47                 | 11.50                 | 11.58                 |                              | 0        |
|                                      | 50      | 25        | 11.49                 | 11.46                 | 11.51                 |                              | 0        |
|                                      |         | 50        | 11.62                 | 11.54                 | 11.56                 | 0                            |          |
|                                      | 100     | 0         | 11.57                 | 11.47                 | 11.58                 | 0                            |          |

Table 8-164

## LTE Band 2 Conducted Powers Ant 2a - 15 MHz Bandwidth, Inter-band ULCA Active

| LTE Band 2 (PCS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18675<br>(1857.5 MHz) | 18900<br>(1880.0 MHz) | 19125<br>(1902.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 11.42                 | 11.44                 | 11.37                 | 0                            | 0        |
|                                      | 1       | 36        | 11.52                 | 11.33                 | 11.36                 |                              | 0        |
|                                      | 1       | 74        | 11.62                 | 11.55                 | 11.73                 |                              | 0        |
|                                      | 36      | 0         | 11.30                 | 11.41                 | 11.50                 | 0-1                          | 0        |
|                                      | 36      | 18        | 11.54                 | 11.39                 | 11.48                 |                              | 0        |
|                                      | 36      | 37        | 11.52                 | 11.50                 | 11.68                 |                              | 0        |
| 16QAM                                | 75      | 0         | 11.60                 | 11.37                 | 11.50                 | 0-1                          | 0        |
|                                      | 1       | 0         | 11.52                 | 11.52                 | 11.49                 |                              | 0        |
|                                      | 1       | 36        | 11.83                 | 11.41                 | 11.44                 |                              | 0        |
|                                      | 1       | 74        | 11.75                 | 11.71                 | 11.93                 | 0-2                          | 0        |
|                                      | 36      | 0         | 11.42                 | 11.45                 | 11.49                 |                              | 0        |
|                                      | 36      | 18        | 11.60                 | 11.39                 | 11.51                 |                              | 0        |
| 64QAM                                | 36      | 37        | 11.54                 | 11.52                 | 11.69                 | 0-2                          | 0        |
|                                      | 75      | 0         | 11.60                 | 11.39                 | 11.52                 |                              | 0        |
|                                      | 1       | 0         | 11.68                 | 11.50                 | 11.84                 |                              | 0-2      |
|                                      | 1       | 36        | 11.53                 | 11.55                 | 11.53                 | 0                            |          |
|                                      | 1       | 74        | 11.79                 | 11.66                 | 12.00                 | 0-3                          |          |
|                                      | 36      | 0         | 11.38                 | 11.44                 | 11.53                 |                              | 0        |
| 36                                   | 18      | 11.56     | 11.42                 | 11.54                 | 0                     |                              |          |
| 64QAM                                | 36      | 37        | 11.50                 | 11.53                 | 11.70                 | 0-3                          | 0        |
|                                      | 75      | 0         | 11.58                 | 11.41                 | 11.53                 |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 126 of 284                 |

Table 8-165

## LTE Band 2 Conducted Powers Ant 2a - 10 MHz Bandwidth, Inter-band ULCA Active

| LTE Band 2 (PCS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18650<br>(1855.0 MHz) | 18900<br>(1880.0 MHz) | 19150<br>(1905.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 11.36                 | 11.38                 | 11.42                 | 0                            | 0        |
|                                      | 1       | 25        | 11.30                 | 11.28                 | 11.51                 |                              | 0        |
|                                      | 1       | 49        | 11.42                 | 11.49                 | 11.62                 |                              | 0        |
|                                      | 25      | 0         | 11.44                 | 11.38                 | 11.53                 | 0-1                          | 0        |
|                                      | 25      | 12        | 11.40                 | 11.35                 | 11.59                 |                              | 0        |
|                                      | 25      | 25        | 11.53                 | 11.40                 | 11.79                 |                              | 0        |
| 16QAM                                | 50      | 0         | 11.40                 | 11.37                 | 11.63                 | 0-1                          | 0        |
|                                      | 1       | 0         | 11.47                 | 11.49                 | 11.70                 |                              | 0        |
|                                      | 1       | 25        | 11.47                 | 11.35                 | 11.74                 |                              | 0        |
|                                      | 1       | 49        | 11.57                 | 11.59                 | 11.84                 | 0-2                          | 0        |
|                                      | 25      | 0         | 11.42                 | 11.40                 | 11.54                 |                              | 0        |
|                                      | 25      | 12        | 11.38                 | 11.38                 | 11.61                 |                              | 0        |
| 64QAM                                | 25      | 25        | 11.56                 | 11.42                 | 11.82                 | 0-2                          | 0        |
|                                      | 50      | 0         | 11.42                 | 11.37                 | 11.65                 |                              | 0        |
|                                      | 1       | 0         | 11.48                 | 11.52                 | 11.88                 |                              | 0-2      |
|                                      | 1       | 25        | 11.46                 | 11.37                 | 11.96                 | 0                            |          |
|                                      | 1       | 49        | 11.56                 | 11.61                 | 11.99                 | 0-3                          |          |
|                                      | 25      | 0         | 11.48                 | 11.34                 | 11.57                 |                              | 0        |
| 25                                   | 12      | 11.44     | 11.33                 | 11.59                 | 0                     |                              |          |
| 64QAM                                | 25      | 25        | 11.60                 | 11.43                 | 11.85                 | 0-3                          | 0        |
|                                      | 50      | 0         | 11.42                 | 11.37                 | 11.64                 |                              | 0        |

Table 8-166

## LTE Band 2 Conducted Powers Ant 2a - 5 MHz Bandwidth, Inter-band ULCA Active

| LTE Band 2 (PCS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 18625<br>(1852.5 MHz) | 18900<br>(1880.0 MHz) | 19175<br>(1907.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 11.36                 | 11.54                 | 11.42                 | 0                            | 0        |
|                                     | 1       | 12        | 11.32                 | 11.43                 | 11.62                 |                              | 0        |
|                                     | 1       | 24        | 11.28                 | 11.53                 | 11.62                 |                              | 0        |
|                                     | 12      | 0         | 11.39                 | 11.42                 | 11.60                 | 0-1                          | 0        |
|                                     | 12      | 6         | 11.38                 | 11.39                 | 11.71                 |                              | 0        |
|                                     | 12      | 13        | 11.21                 | 11.38                 | 11.78                 |                              | 0        |
| 16QAM                               | 25      | 0         | 11.35                 | 11.41                 | 11.72                 | 0-1                          | 0        |
|                                     | 1       | 0         | 11.57                 | 11.67                 | 11.48                 |                              | 0        |
|                                     | 1       | 12        | 11.50                 | 11.48                 | 11.74                 |                              | 0        |
|                                     | 1       | 24        | 11.45                 | 11.70                 | 11.71                 | 0-2                          | 0        |
|                                     | 12      | 0         | 11.35                 | 11.43                 | 11.57                 |                              | 0        |
|                                     | 12      | 6         | 11.34                 | 11.40                 | 11.67                 |                              | 0        |
| 64QAM                               | 12      | 13        | 11.22                 | 11.38                 | 11.78                 | 0-2                          | 0        |
|                                     | 25      | 0         | 11.41                 | 11.44                 | 11.74                 |                              | 0        |
|                                     | 1       | 0         | 11.52                 | 11.62                 | 11.69                 |                              | 0-2      |
|                                     | 1       | 12        | 11.57                 | 11.50                 | 11.92                 | 0                            |          |
|                                     | 1       | 24        | 11.50                 | 11.68                 | 11.90                 | 0-3                          |          |
|                                     | 12      | 0         | 11.47                 | 11.34                 | 11.59                 |                              | 0        |
| 12                                  | 6       | 11.47     | 11.30                 | 11.71                 | 0                     |                              |          |
|                                     | 12      | 13        | 11.32                 | 11.32                 | 11.80                 |                              | 0        |
|                                     | 25      | 0         | 11.44                 | 11.33                 | 11.73                 |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 127 of 284                 |

**Table 8-167**  
**LTE Band 2 Conducted Powers Ant 2a - 3 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 2 (PCS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 18615<br>(1851.5 MHz) | 18900<br>(1880.0 MHz) | 19185<br>(1908.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 11.37                 | 11.33                 | 11.55                 | 0                            | 0        |
|                                     | 1       | 7         | 11.42                 | 11.34                 | 11.65                 |                              | 0        |
|                                     | 1       | 14        | 11.32                 | 11.31                 | 11.53                 |                              | 0        |
|                                     | 8       | 0         | 11.44                 | 11.38                 | 11.69                 | 0-1                          | 0        |
|                                     | 8       | 4         | 11.46                 | 11.37                 | 11.71                 |                              | 0        |
|                                     | 8       | 7         | 11.46                 | 11.36                 | 11.65                 |                              | 0        |
| 16QAM                               | 15      | 0         | 11.48                 | 11.40                 | 11.70                 | 0-1                          | 0        |
|                                     | 1       | 0         | 11.47                 | 11.57                 | 11.70                 |                              | 0        |
|                                     | 1       | 7         | 11.57                 | 11.57                 | 11.81                 |                              | 0        |
|                                     | 1       | 14        | 11.52                 | 11.40                 | 11.52                 | 0-2                          | 0        |
|                                     | 8       | 0         | 11.46                 | 11.41                 | 11.73                 |                              | 0        |
|                                     | 8       | 4         | 11.53                 | 11.42                 | 11.70                 |                              | 0        |
| 64QAM                               | 8       | 7         | 11.43                 | 11.40                 | 11.63                 | 0-2                          | 0        |
|                                     | 15      | 0         | 11.43                 | 11.42                 | 11.72                 |                              | 0        |
|                                     | 1       | 0         | 11.57                 | 11.40                 | 11.83                 |                              | 0-2      |
|                                     | 1       | 7         | 11.60                 | 11.44                 | 11.94                 | 0                            |          |
|                                     | 1       | 14        | 11.56                 | 11.39                 | 11.75                 | 0-3                          |          |
|                                     | 8       | 0         | 11.39                 | 11.42                 | 11.71                 |                              | 0        |
| 8                                   | 4       | 11.48     | 11.39                 | 11.71                 | 0                     |                              |          |
|                                     | 8       | 7         | 11.44                 | 11.35                 | 11.66                 | 0-3                          | 0        |
|                                     | 15      | 0         | 11.42                 | 11.36                 | 11.71                 |                              | 0        |

**Table 8-168**  
**LTE Band 2 Conducted Powers Ant 2a - 1.4 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 2 (PCS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 18607<br>(1850.7 MHz) | 18900<br>(1880.0 MHz) | 19193<br>(1909.3 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 11.44                 | 11.34                 | 11.82                 | 0                            | 0        |
|                                       | 1       | 2         | 11.37                 | 11.31                 | 11.80                 |                              | 0        |
|                                       | 1       | 5         | 11.39                 | 11.33                 | 11.70                 |                              | 0        |
|                                       | 3       | 0         | 11.46                 | 11.36                 | 11.57                 |                              | 0        |
|                                       | 3       | 2         | 11.41                 | 11.36                 | 11.59                 |                              | 0        |
|                                       | 3       | 3         | 11.40                 | 11.37                 | 11.54                 | 0                            |          |
|                                       | 6       | 0         | 11.41                 | 11.31                 | 11.60                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 11.50                 | 11.44                 | 11.79                 | 0-1                          | 0        |
|                                       | 1       | 2         | 11.56                 | 11.40                 | 11.63                 |                              | 0        |
|                                       | 1       | 5         | 11.58                 | 11.38                 | 11.65                 |                              | 0        |
|                                       | 3       | 0         | 11.54                 | 11.42                 | 11.68                 |                              | 0        |
|                                       | 3       | 2         | 11.53                 | 11.36                 | 11.57                 |                              | 0        |
|                                       | 3       | 3         | 11.52                 | 11.42                 | 11.62                 | 0                            |          |
|                                       | 6       | 0         | 11.48                 | 11.37                 | 11.69                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 11.62                 | 11.46                 | 11.65                 | 0-2                          | 0        |
|                                       | 1       | 2         | 11.53                 | 11.48                 | 11.71                 |                              | 0        |
|                                       | 1       | 5         | 11.48                 | 11.45                 | 11.61                 |                              | 0        |
|                                       | 3       | 0         | 11.52                 | 11.39                 | 11.58                 |                              | 0        |
|                                       | 3       | 2         | 11.45                 | 11.28                 | 11.75                 |                              | 0        |
|                                       | 3       | 3         | 11.54                 | 11.34                 | 11.66                 | 0                            |          |
|                                       | 6       | 0         | 11.43                 | 11.30                 | 11.59                 | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 128 of 284                 |

**Table 8-169**  
**LTE Band 2 Conducted Powers Ant 2b - 20 MHz Bandwidth**

| LTE Band 2 (PCS)<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18700<br>(1860.0 MHz) | 18900<br>(1880.0 MHz) | 19100<br>(1900.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 13.24                 | 13.26                 | 13.65                 | 0                            | 0        |
|                                      | 1       | 50        | 13.24                 | 13.25                 | 13.53                 |                              | 0        |
|                                      | 1       | 99        | 13.31                 | 13.32                 | 13.99                 |                              | 0        |
|                                      | 50      | 0         | 13.37                 | 13.37                 | 13.52                 | 0-1                          | 0        |
|                                      | 50      | 25        | 13.38                 | 13.40                 | 13.54                 |                              | 0        |
|                                      | 50      | 50        | 13.48                 | 13.48                 | 13.71                 |                              | 0        |
| 16QAM                                | 100     | 0         | 13.47                 | 13.45                 | 13.62                 | 0-1                          | 0        |
|                                      | 1       | 0         | 13.25                 | 13.23                 | 13.72                 |                              | 0        |
|                                      | 1       | 50        | 13.31                 | 13.18                 | 13.61                 |                              | 0        |
|                                      | 1       | 99        | 13.49                 | 13.45                 | 13.99                 | 0-2                          | 0        |
|                                      | 50      | 0         | 13.18                 | 13.14                 | 13.28                 |                              | 0        |
|                                      | 50      | 25        | 13.13                 | 13.15                 | 13.33                 |                              | 0        |
| 64QAM                                | 50      | 50        | 13.28                 | 13.24                 | 13.51                 | 0-2                          | 0        |
|                                      | 100     | 0         | 13.15                 | 13.15                 | 13.38                 |                              | 0        |
|                                      | 1       | 0         | 13.17                 | 13.41                 | 13.67                 |                              | 0-2      |
|                                      | 1       | 50        | 13.09                 | 13.33                 | 13.61                 | 0                            |          |
|                                      | 1       | 99        | 13.45                 | 13.51                 | 13.98                 | 0-3                          |          |
|                                      | 50      | 0         | 13.12                 | 13.19                 | 13.28                 |                              | 0        |
| 50                                   | 25      | 13.17     | 13.15                 | 13.40                 | 0                     |                              |          |
|                                      | 50      | 50        | 13.29                 | 13.23                 | 13.54                 |                              | 0        |
|                                      | 100     | 0         | 13.21                 | 13.16                 | 13.45                 |                              | 0        |

**Table 8-170**  
**LTE Band 2 Conducted Powers Ant 2b - 15 MHz Bandwidth**

| LTE Band 2 (PCS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18675<br>(1857.5 MHz) | 18900<br>(1880.0 MHz) | 19125<br>(1902.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 13.24                 | 13.39                 | 13.35                 | 0                            | 0        |
|                                      | 1       | 36        | 13.18                 | 13.41                 | 13.27                 |                              | 0        |
|                                      | 1       | 74        | 13.46                 | 13.66                 | 13.71                 |                              | 0        |
|                                      | 36      | 0         | 13.08                 | 13.37                 | 13.47                 | 0-1                          | 0        |
|                                      | 36      | 18        | 13.23                 | 13.32                 | 13.39                 |                              | 0        |
|                                      | 36      | 37        | 13.33                 | 13.40                 | 13.59                 |                              | 0        |
| 16QAM                                | 75      | 0         | 13.26                 | 13.26                 | 13.43                 | 0-1                          | 0        |
|                                      | 1       | 0         | 13.37                 | 13.44                 | 13.42                 |                              | 0        |
|                                      | 1       | 36        | 13.34                 | 13.49                 | 13.27                 |                              | 0        |
|                                      | 1       | 74        | 13.61                 | 13.89                 | 13.84                 | 0-2                          | 0        |
|                                      | 36      | 0         | 13.10                 | 13.40                 | 13.48                 |                              | 0        |
|                                      | 36      | 18        | 13.26                 | 13.36                 | 13.40                 |                              | 0        |
| 64QAM                                | 36      | 37        | 13.36                 | 13.46                 | 13.61                 | 0-2                          | 0        |
|                                      | 75      | 0         | 13.26                 | 13.27                 | 13.45                 |                              | 0        |
|                                      | 1       | 0         | 13.24                 | 13.41                 | 13.43                 |                              | 0-2      |
|                                      | 1       | 36        | 13.43                 | 13.36                 | 13.78                 | 0                            |          |
|                                      | 1       | 74        | 13.56                 | 13.60                 | 13.89                 | 0-3                          |          |
|                                      | 36      | 0         | 13.03                 | 13.07                 | 13.28                 |                              | 0        |
| 36                                   | 18      | 13.27     | 13.09                 | 13.48                 | 0                     |                              |          |
| 64QAM                                | 36      | 37        | 13.20                 | 13.18                 | 13.61                 | 0-3                          | 0        |
|                                      | 75      | 0         | 13.28                 | 13.11                 | 13.48                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 129 of 284                 |

**Table 8-171**  
**LTE Band 2 Conducted Powers Ant 2b - 10 MHz Bandwidth**

| LTE Band 2 (PCS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |   |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|---|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |   |
|                                      |         |           | 18650<br>(1855.0 MHz) | 18900<br>(1880.0 MHz) | 19150<br>(1905.0 MHz) |                              |          |   |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |   |
| QPSK                                 | 1       | 0         | 13.23                 | 13.35                 | 13.36                 | 0                            | 0        |   |
|                                      | 1       | 25        | 13.07                 | 13.23                 | 13.50                 |                              | 0        |   |
|                                      | 1       | 49        | 13.28                 | 13.49                 | 13.81                 |                              | 0        |   |
|                                      | 25      | 0         | 13.18                 | 13.43                 | 13.38                 | 0-1                          | 0        |   |
|                                      | 25      | 12        | 13.11                 | 13.37                 | 13.51                 |                              | 0        |   |
|                                      | 25      | 25        | 13.23                 | 13.39                 | 13.79                 |                              | 0        |   |
| 16QAM                                | 50      | 0         | 13.13                 | 13.24                 | 13.61                 | 0-1                          | 0        |   |
|                                      | 1       | 0         | 13.38                 | 13.51                 | 13.50                 |                              | 0-1      | 0 |
|                                      | 1       | 25        | 13.20                 | 13.41                 | 13.76                 |                              |          | 0 |
|                                      | 1       | 49        | 13.41                 | 13.65                 | 13.94                 | 0-2                          |          | 0 |
|                                      | 25      | 0         | 13.26                 | 13.46                 | 13.42                 |                              | 0        |   |
|                                      | 25      | 12        | 13.15                 | 13.39                 | 13.55                 |                              | 0        |   |
| 64QAM                                | 25      | 25        | 13.27                 | 13.43                 | 13.76                 | 0-2                          | 0        |   |
|                                      | 50      | 0         | 13.15                 | 13.28                 | 13.64                 |                              | 0        |   |
|                                      | 1       | 0         | 13.38                 | 13.58                 | 13.83                 |                              | 0-2      | 0 |
|                                      | 1       | 25        | 13.47                 | 13.49                 | 13.97                 | 0                            |          |   |
|                                      | 1       | 49        | 13.53                 | 13.55                 | 13.91                 | 0                            |          |   |
|                                      | 64QAM   | 25        | 0                     | 13.10                 | 13.17                 | 13.52                        | 0-3      | 0 |
| 25                                   |         | 12        | 13.03                 | 13.25                 | 13.60                 | 0                            |          |   |
| 25                                   |         | 25        | 13.28                 | 13.23                 | 13.65                 | 0                            |          |   |
| 50                                   |         | 0         | 13.12                 | 13.22                 | 13.61                 | 0                            |          |   |

**Table 8-172**  
**LTE Band 2 Conducted Powers Ant 2b - 5 MHz Bandwidth**

| LTE Band 2 (PCS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 18625<br>(1852.5 MHz) | 18900<br>(1880.0 MHz) | 19175<br>(1907.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 13.44                 | 13.42                 | 13.46                 | 0                            | 0        |
|                                     | 1       | 12        | 13.32                 | 13.30                 | 13.62                 |                              | 0        |
|                                     | 1       | 24        | 13.22                 | 13.45                 | 13.64                 |                              | 0        |
|                                     | 12      | 0         | 13.39                 | 13.41                 | 13.64                 | 0-1                          | 0        |
|                                     | 12      | 6         | 13.27                 | 13.37                 | 13.71                 |                              | 0        |
|                                     | 12      | 13        | 13.15                 | 13.39                 | 13.82                 |                              | 0        |
| 16QAM                               | 25      | 0         | 13.26                 | 13.32                 | 13.76                 | 0-1                          | 0        |
|                                     | 1       | 0         | 13.45                 | 13.56                 | 13.66                 |                              | 0        |
|                                     | 1       | 12        | 13.39                 | 13.49                 | 13.72                 |                              | 0        |
|                                     | 1       | 24        | 13.25                 | 13.56                 | 13.80                 | 0-2                          | 0        |
|                                     | 12      | 0         | 13.38                 | 13.46                 | 13.66                 |                              | 0        |
|                                     | 12      | 6         | 13.27                 | 13.48                 | 13.74                 |                              | 0        |
| 64QAM                               | 12      | 13        | 13.18                 | 13.46                 | 13.86                 | 0-2                          | 0        |
|                                     | 25      | 0         | 13.29                 | 13.31                 | 13.77                 |                              | 0        |
|                                     | 1       | 0         | 13.45                 | 13.13                 | 14.00                 | 0-2                          | 0        |
|                                     | 1       | 12        | 13.41                 | 13.35                 | 13.98                 |                              | 0        |
|                                     | 1       | 24        | 13.37                 | 13.57                 | 13.94                 | 0-3                          | 0        |
|                                     | 12      | 0         | 13.22                 | 13.14                 | 13.59                 |                              | 0        |
| 12                                  | 6       | 13.10     | 13.13                 | 13.74                 | 0                     |                              |          |
|                                     | 12      | 13        | 13.15                 | 13.10                 | 13.71                 |                              | 0        |
|                                     | 25      | 0         | 13.14                 | 13.15                 | 13.71                 |                              |          |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 130 of 284                        |

**Table 8-173**  
**LTE Band 2 Conducted Powers Ant 2b - 3 MHz Bandwidth**

| LTE Band 2 (PCS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 18615<br>(1851.5 MHz) | 18900<br>(1880.0 MHz) | 19185<br>(1908.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 13.22                 | 13.27                 | 13.53                 | 0                            | 0        |
|                                     | 1       | 7         | 13.27                 | 13.21                 | 13.69                 |                              | 0        |
|                                     | 1       | 14        | 13.09                 | 13.24                 | 13.60                 |                              | 0        |
|                                     | 8       | 0         | 13.26                 | 13.32                 | 13.71                 | 0-1                          | 0        |
|                                     | 8       | 4         | 13.26                 | 13.24                 | 13.76                 |                              | 0        |
|                                     | 8       | 7         | 13.17                 | 13.24                 | 13.76                 |                              | 0        |
| 15                                  | 0       | 13.28     | 13.28                 | 13.77                 | 0                     |                              |          |
| 16QAM                               | 1       | 0         | 13.22                 | 13.38                 | 13.73                 | 0-1                          | 0        |
|                                     | 1       | 7         | 13.17                 | 13.35                 | 13.89                 |                              | 0        |
|                                     | 1       | 14        | 13.25                 | 13.35                 | 13.86                 |                              | 0        |
|                                     | 8       | 0         | 13.24                 | 13.42                 | 13.74                 | 0-2                          | 0        |
|                                     | 8       | 4         | 13.31                 | 13.27                 | 13.82                 |                              | 0        |
|                                     | 8       | 7         | 13.21                 | 13.35                 | 13.76                 |                              | 0        |
| 15                                  | 0       | 13.26     | 13.33                 | 13.82                 | 0                     |                              |          |
| 64QAM                               | 1       | 0         | 13.45                 | 13.23                 | 13.93                 | 0-2                          | 0        |
|                                     | 1       | 7         | 13.42                 | 13.40                 | 13.99                 |                              | 0        |
|                                     | 1       | 14        | 13.45                 | 13.30                 | 13.97                 |                              | 0        |
|                                     | 8       | 0         | 13.15                 | 13.10                 | 13.70                 | 0-3                          | 0        |
|                                     | 8       | 4         | 13.13                 | 13.15                 | 13.76                 |                              | 0        |
|                                     | 8       | 7         | 13.15                 | 13.17                 | 13.67                 |                              | 0        |
| 15                                  | 0       | 13.19     | 13.15                 | 13.74                 | 0                     |                              |          |

**Table 8-174**  
**LTE Band 2 Conducted Powers Ant 2b - 1.4 MHz Bandwidth**

| LTE Band 2 (PCS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 18607<br>(1850.7 MHz) | 18900<br>(1880.0 MHz) | 19193<br>(1909.3 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 13.33                 | 13.35                 | 13.85                 | 0                            | 0        |
|                                       | 1       | 2         | 13.27                 | 13.33                 | 13.82                 |                              | 0        |
|                                       | 1       | 5         | 13.37                 | 13.29                 | 13.79                 |                              | 0        |
|                                       | 3       | 0         | 13.36                 | 13.35                 | 13.71                 |                              | 0        |
|                                       | 3       | 2         | 13.32                 | 13.30                 | 13.74                 |                              | 0        |
|                                       | 3       | 3         | 13.34                 | 13.30                 | 13.75                 | 0                            |          |
|                                       | 6       | 0         | 13.31                 | 13.31                 | 13.73                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 13.37                 | 13.45                 | 13.94                 | 0-1                          | 0        |
|                                       | 1       | 2         | 13.29                 | 13.49                 | 13.91                 |                              | 0        |
|                                       | 1       | 5         | 13.55                 | 13.53                 | 13.88                 |                              | 0        |
|                                       | 3       | 0         | 13.45                 | 13.52                 | 13.71                 |                              | 0        |
|                                       | 3       | 2         | 13.37                 | 13.49                 | 13.79                 |                              | 0        |
|                                       | 3       | 3         | 13.38                 | 13.44                 | 13.84                 | 0                            |          |
|                                       | 6       | 0         | 13.37                 | 13.39                 | 13.74                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 13.50                 | 13.23                 | 13.97                 | 0-2                          | 0        |
|                                       | 1       | 2         | 13.42                 | 13.20                 | 13.86                 |                              | 0        |
|                                       | 1       | 5         | 13.47                 | 13.40                 | 13.91                 |                              | 0        |
|                                       | 3       | 0         | 13.15                 | 13.16                 | 13.73                 |                              | 0        |
|                                       | 3       | 2         | 13.14                 | 13.19                 | 13.76                 |                              | 0        |
|                                       | 3       | 3         | 13.15                 | 13.21                 | 13.70                 | 0                            |          |
|                                       | 6       | 0         | 13.17                 | 13.25                 | 13.68                 | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 131 of 284                 |

Table 8-175

## LTE Band 2 Conducted Powers Ant 2b - 20 MHz Bandwidth, Inter-band ULCA Active

| LTE Band 2 (PCS)<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18700<br>(1860.0 MHz) | 18900<br>(1880.0 MHz) | 19100<br>(1900.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 10.31                 | 10.56                 | 10.65                 | 0                            | 0        |
|                                      | 1       | 50        | 10.26                 | 10.53                 | 10.48                 |                              | 0        |
|                                      | 1       | 99        | 10.47                 | 10.58                 | 11.00                 |                              | 0        |
|                                      | 50      | 0         | 10.26                 | 10.45                 | 10.43                 | 0-1                          | 0        |
|                                      | 50      | 25        | 10.35                 | 10.42                 | 10.39                 |                              | 0        |
|                                      | 50      | 50        | 10.43                 | 10.48                 | 10.63                 |                              | 0        |
| 16QAM                                | 100     | 0         | 10.42                 | 10.44                 | 10.56                 | 0-1                          | 0        |
|                                      | 1       | 0         | 10.13                 | 10.46                 | 10.70                 |                              | 0        |
|                                      | 1       | 50        | 10.18                 | 10.49                 | 10.63                 |                              | 0        |
|                                      | 1       | 99        | 10.48                 | 10.58                 | 10.80                 | 0-2                          | 0        |
|                                      | 50      | 0         | 10.00                 | 10.31                 | 10.43                 |                              | 0        |
|                                      | 50      | 25        | 10.05                 | 10.26                 | 10.43                 |                              | 0        |
| 64QAM                                | 50      | 50        | 10.24                 | 10.29                 | 10.52                 | 0-2                          | 0        |
|                                      | 100     | 0         | 10.23                 | 10.24                 | 10.45                 |                              | 0        |
|                                      | 1       | 0         | 10.18                 | 10.36                 | 10.66                 |                              | 0-2      |
|                                      | 1       | 50        | 10.22                 | 10.42                 | 10.59                 | 0                            |          |
|                                      | 1       | 99        | 10.63                 | 10.51                 | 10.96                 | 0                            |          |
|                                      | 50      | 0         | 10.01                 | 10.23                 | 10.26                 | 0-3                          | 0        |
| 50                                   | 25      | 10.11     | 10.24                 | 10.27                 | 0                     |                              |          |
| 50                                   | 50      | 10.24     | 10.28                 | 10.38                 | 0                     |                              |          |
|                                      | 100     | 0         | 10.25                 | 10.26                 | 10.38                 |                              | 0        |

Table 8-176

## LTE Band 2 Conducted Powers Ant 2b - 15 MHz Bandwidth, Inter-band ULCA Active

| LTE Band 2 (PCS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18675<br>(1857.5 MHz) | 18900<br>(1880.0 MHz) | 19125<br>(1902.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 10.37                 | 10.19                 | 10.55                 | 0                            | 0        |
|                                      | 1       | 36        | 10.49                 | 10.16                 | 10.39                 |                              | 0        |
|                                      | 1       | 74        | 10.74                 | 10.41                 | 10.53                 |                              | 0        |
|                                      | 36      | 0         | 10.31                 | 10.30                 | 10.70                 | 0-1                          | 0        |
|                                      | 36      | 18        | 10.42                 | 10.25                 | 10.50                 |                              | 0        |
|                                      | 36      | 37        | 10.52                 | 10.39                 | 10.58                 |                              | 0        |
| 16QAM                                | 75      | 0         | 10.43                 | 10.22                 | 10.49                 | 0-1                          | 0        |
|                                      | 1       | 0         | 10.49                 | 10.22                 | 10.76                 |                              | 0        |
|                                      | 1       | 36        | 10.63                 | 10.34                 | 10.52                 |                              | 0        |
|                                      | 1       | 74        | 10.75                 | 10.68                 | 10.65                 | 0-2                          | 0        |
|                                      | 36      | 0         | 10.30                 | 10.40                 | 10.72                 |                              | 0        |
|                                      | 36      | 18        | 10.45                 | 10.45                 | 10.51                 |                              | 0        |
| 64QAM                                | 36      | 37        | 10.53                 | 10.56                 | 10.61                 | 0-2                          | 0        |
|                                      | 75      | 0         | 10.41                 | 10.37                 | 10.49                 |                              | 0        |
|                                      | 1       | 0         | 10.39                 | 10.42                 | 10.84                 |                              | 0-2      |
|                                      | 1       | 36        | 10.50                 | 10.60                 | 10.89                 | 0                            |          |
|                                      | 1       | 74        | 10.98                 | 10.72                 | 10.98                 | 0-3                          |          |
|                                      | 36      | 0         | 10.33                 | 10.47                 | 10.78                 |                              | 0        |
| 36                                   | 18      | 10.45     | 10.33                 | 10.54                 | 0                     |                              |          |
| 64QAM                                | 36      | 37        | 10.57                 | 10.40                 | 10.61                 | 0-3                          | 0        |
|                                      | 75      | 0         | 10.35                 | 10.23                 | 10.51                 |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 132 of 284                 |

Table 8-177

## LTE Band 2 Conducted Powers Ant 2b - 10 MHz Bandwidth, Inter-band ULCA Active

| LTE Band 2 (PCS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18650<br>(1855.0 MHz) | 18900<br>(1880.0 MHz) | 19150<br>(1905.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 10.26                 | 10.30                 | 10.34                 | 0                            | 0        |
|                                      | 1       | 25        | 10.16                 | 10.30                 | 10.54                 |                              | 0        |
|                                      | 1       | 49        | 10.24                 | 10.57                 | 10.67                 |                              | 0        |
|                                      | 25      | 0         | 10.31                 | 10.46                 | 10.47                 | 0-1                          | 0        |
|                                      | 25      | 12        | 10.24                 | 10.44                 | 10.55                 |                              | 0        |
|                                      | 25      | 25        | 10.26                 | 10.48                 | 10.71                 |                              | 0        |
| 16QAM                                | 50      | 0         | 10.25                 | 10.38                 | 10.65                 | 0-1                          | 0        |
|                                      | 1       | 0         | 10.37                 | 10.43                 | 10.59                 |                              | 0        |
|                                      | 1       | 25        | 10.41                 | 10.59                 | 10.70                 |                              | 0        |
|                                      | 1       | 49        | 10.45                 | 10.87                 | 10.90                 | 0-2                          | 0        |
|                                      | 25      | 0         | 10.35                 | 10.49                 | 10.50                 |                              | 0        |
|                                      | 25      | 12        | 10.28                 | 10.45                 | 10.57                 |                              | 0        |
| 64QAM                                | 25      | 25        | 10.31                 | 10.52                 | 10.71                 | 0-2                          | 0        |
|                                      | 50      | 0         | 10.26                 | 10.41                 | 10.51                 |                              | 0        |
|                                      | 1       | 0         | 10.50                 | 10.55                 | 10.83                 |                              | 0-2      |
|                                      | 1       | 25        | 10.27                 | 10.69                 | 10.56                 | 0                            |          |
|                                      | 1       | 49        | 10.32                 | 10.89                 | 11.00                 | 0                            |          |
|                                      | 25      | 0         | 10.17                 | 10.40                 | 10.30                 | 0-3                          | 0        |
| 25                                   | 12      | 10.07     | 10.49                 | 10.41                 | 0                     |                              |          |
| 25                                   | 25      | 10.13     | 10.48                 | 10.65                 | 0                     |                              |          |
|                                      | 50      | 0         | 10.12                 | 10.41                 | 10.53                 |                              | 0        |

Table 8-178

## LTE Band 2 Conducted Powers Ant 2b - 5 MHz Bandwidth, Inter-band ULCA Active

| LTE Band 2 (PCS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 18625<br>(1852.5 MHz) | 18900<br>(1880.0 MHz) | 19175<br>(1907.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 10.35                 | 10.58                 | 10.45                 | 0                            | 0        |
|                                     | 1       | 12        | 10.12                 | 10.41                 | 10.37                 |                              | 0        |
|                                     | 1       | 24        | 9.99                  | 10.56                 | 10.55                 |                              | 0        |
|                                     | 12      | 0         | 10.20                 | 10.46                 | 10.40                 | 0-1                          | 0        |
|                                     | 12      | 6         | 10.14                 | 10.41                 | 10.50                 |                              | 0        |
|                                     | 12      | 13        | 10.04                 | 10.38                 | 10.62                 |                              | 0        |
| 16QAM                               | 25      | 0         | 10.13                 | 10.36                 | 10.50                 | 0-1                          | 0        |
|                                     | 1       | 0         | 10.45                 | 10.63                 | 10.40                 |                              | 0        |
|                                     | 1       | 12        | 10.35                 | 10.52                 | 10.46                 |                              | 0        |
|                                     | 1       | 24        | 10.13                 | 10.65                 | 10.47                 | 0-2                          | 0        |
|                                     | 12      | 0         | 10.20                 | 10.48                 | 10.39                 |                              | 0        |
|                                     | 12      | 6         | 10.16                 | 10.36                 | 10.45                 |                              | 0        |
| 64QAM                               | 12      | 13        | 10.05                 | 10.41                 | 10.62                 | 0-2                          | 0        |
|                                     | 25      | 0         | 10.22                 | 10.35                 | 10.52                 |                              | 0        |
|                                     | 1       | 0         | 10.41                 | 10.72                 | 10.58                 |                              | 0-2      |
|                                     | 1       | 12        | 10.36                 | 10.52                 | 10.67                 | 0                            |          |
|                                     | 1       | 24        | 10.12                 | 10.74                 | 10.77                 | 0-3                          |          |
|                                     | 12      | 0         | 10.22                 | 10.43                 | 10.40                 |                              | 0        |
| 12                                  | 6       | 10.19     | 10.43                 | 10.45                 | 0                     |                              |          |
| 64QAM                               | 12      | 13        | 10.10                 | 10.36                 | 10.60                 | 0-3                          | 0        |
|                                     | 25      | 0         | 10.16                 | 10.32                 | 10.48                 |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 133 of 284                 |

**Table 8-179**  
**LTE Band 2 Conducted Powers Ant 2b - 3 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 2 (PCS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 18615<br>(1851.5 MHz) | 18900<br>(1880.0 MHz) | 19185<br>(1908.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 10.30                 | 10.34                 | 10.49                 | 0                            | 0        |
|                                     | 1       | 7         | 10.15                 | 10.33                 | 10.61                 |                              | 0        |
|                                     | 1       | 14        | 10.10                 | 10.33                 | 10.42                 |                              | 0        |
|                                     | 8       | 0         | 10.26                 | 10.48                 | 10.60                 | 0-1                          | 0        |
|                                     | 8       | 4         | 10.24                 | 10.41                 | 10.67                 |                              | 0        |
|                                     | 8       | 7         | 10.25                 | 10.37                 | 10.64                 |                              | 0        |
| 16QAM                               | 15      | 0         | 10.28                 | 10.42                 | 10.70                 | 0-1                          | 0        |
|                                     | 1       | 0         | 10.45                 | 10.60                 | 10.63                 |                              | 0        |
|                                     | 1       | 7         | 10.36                 | 10.46                 | 10.66                 |                              | 0        |
|                                     | 1       | 14        | 10.31                 | 10.38                 | 10.49                 | 0-2                          | 0        |
|                                     | 8       | 0         | 10.34                 | 10.55                 | 10.58                 |                              | 0        |
|                                     | 8       | 4         | 10.26                 | 10.47                 | 10.64                 |                              | 0        |
| 64QAM                               | 8       | 7         | 10.22                 | 10.40                 | 10.63                 | 0-2                          | 0        |
|                                     | 15      | 0         | 10.29                 | 10.43                 | 10.72                 |                              | 0        |
|                                     | 1       | 0         | 10.46                 | 10.71                 | 10.83                 |                              | 0-2      |
|                                     | 1       | 7         | 10.27                 | 10.63                 | 11.00                 | 0                            |          |
|                                     | 1       | 14        | 10.38                 | 10.55                 | 10.66                 | 0-3                          |          |
|                                     | 8       | 0         | 10.23                 | 10.50                 | 10.68                 |                              | 0        |
|                                     | 8       | 4         | 10.28                 | 10.45                 | 10.72                 |                              | 0        |
|                                     | 8       | 7         | 10.28                 | 10.47                 | 10.70                 |                              | 0        |
|                                     | 15      | 0         | 10.27                 | 10.49                 | 10.66                 |                              | 0        |

**Table 8-180**  
**LTE Band 2 Conducted Powers Ant 2b - 1.4 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 2 (PCS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 18607<br>(1850.7 MHz) | 18900<br>(1880.0 MHz) | 19193<br>(1909.3 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 10.37                 | 10.37                 | 10.88                 | 0                            | 0        |
|                                       | 1       | 2         | 10.19                 | 10.33                 | 10.84                 |                              | 0        |
|                                       | 1       | 5         | 10.20                 | 10.29                 | 10.80                 |                              | 0        |
|                                       | 3       | 0         | 10.44                 | 10.45                 | 10.76                 |                              | 0        |
|                                       | 3       | 2         | 10.28                 | 10.36                 | 10.73                 |                              | 0        |
|                                       | 3       | 3         | 10.27                 | 10.38                 | 10.76                 | 0                            |          |
|                                       | 6       | 0         | 10.28                 | 10.37                 | 10.75                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 10.48                 | 10.62                 | 10.85                 | 0-1                          | 0        |
|                                       | 1       | 2         | 10.42                 | 10.45                 | 10.87                 |                              | 0        |
|                                       | 1       | 5         | 10.43                 | 10.57                 | 10.98                 |                              | 0        |
|                                       | 3       | 0         | 10.59                 | 10.66                 | 10.88                 |                              | 0        |
|                                       | 3       | 2         | 10.39                 | 10.46                 | 10.86                 |                              | 0        |
|                                       | 3       | 3         | 10.36                 | 10.44                 | 10.82                 | 0                            |          |
|                                       | 6       | 0         | 10.27                 | 10.44                 | 10.86                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 10.61                 | 10.62                 | 10.88                 | 0-2                          | 0        |
|                                       | 1       | 2         | 10.40                 | 10.66                 | 10.93                 |                              | 0        |
|                                       | 1       | 5         | 10.34                 | 10.58                 | 10.93                 |                              | 0        |
|                                       | 3       | 0         | 10.55                 | 10.47                 | 10.89                 |                              | 0        |
|                                       | 3       | 2         | 10.35                 | 10.44                 | 10.90                 |                              | 0        |
|                                       | 3       | 3         | 10.44                 | 10.44                 | 10.87                 | 0                            |          |
|                                       | 6       | 0         | 10.39                 | 10.40                 | 10.85                 | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 134 of 284                 |

**Table 8-181**  
**LTE Band 2 Conducted Powers Ant 4a - 20 MHz Bandwidth**

| LTE Band 2 (PCS)<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18700<br>(1860.0 MHz) | 18900<br>(1880.0 MHz) | 19100<br>(1900.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 14.59                 | 14.64                 | 14.66                 | 0                            | 0        |
|                                      | 1       | 50        | 14.47                 | 14.57                 | 14.74                 |                              | 0        |
|                                      | 1       | 99        | 14.66                 | 14.72                 | 14.70                 |                              | 0        |
|                                      | 50      | 0         | 14.58                 | 14.59                 | 14.79                 | 0-1                          | 0        |
|                                      | 50      | 25        | 14.55                 | 14.55                 | 14.80                 |                              | 0        |
|                                      | 50      | 50        | 14.57                 | 14.51                 | 14.63                 |                              | 0        |
| 100                                  | 0       | 14.55     | 14.51                 | 14.73                 |                       | 0                            |          |
| 16QAM                                | 1       | 0         | 14.80                 | 14.45                 | 14.50                 | 0-1                          | 0        |
|                                      | 1       | 50        | 14.75                 | 14.46                 | 14.67                 |                              | 0        |
|                                      | 1       | 99        | 14.79                 | 14.43                 | 14.65                 |                              | 0        |
|                                      | 50      | 0         | 14.15                 | 14.20                 | 14.34                 | 0-2                          | 0        |
|                                      | 50      | 25        | 14.08                 | 14.10                 | 14.32                 |                              | 0        |
|                                      | 50      | 50        | 14.15                 | 14.00                 | 14.29                 |                              | 0        |
| 100                                  | 0       | 14.10     | 14.04                 | 14.26                 |                       | 0                            |          |
| 64QAM                                | 1       | 0         | 14.65                 | 14.31                 | 14.70                 | 0-2                          | 0        |
|                                      | 1       | 50        | 14.43                 | 14.17                 | 14.79                 |                              | 0        |
|                                      | 1       | 99        | 14.60                 | 14.26                 | 14.72                 |                              | 0        |
|                                      | 50      | 0         | 14.21                 | 14.30                 | 14.51                 | 0-3                          | 0        |
|                                      | 50      | 25        | 14.16                 | 14.17                 | 14.48                 |                              | 0        |
|                                      | 50      | 50        | 14.19                 | 14.10                 | 14.25                 |                              | 0        |
| 100                                  | 0       | 14.18     | 14.14                 | 14.50                 |                       | 0                            |          |

**Table 8-182**  
**LTE Band 2 Conducted Powers Ant 4a - 15 MHz Bandwidth**

| LTE Band 2 (PCS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18675<br>(1857.5 MHz) | 18900<br>(1880.0 MHz) | 19125<br>(1902.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 14.47                 | 14.28                 | 14.31                 | 0                            | 0        |
|                                      | 1       | 36        | 14.30                 | 14.29                 | 14.33                 |                              | 0        |
|                                      | 1       | 74        | 14.20                 | 14.23                 | 14.29                 |                              | 0        |
|                                      | 36      | 0         | 14.40                 | 14.35                 | 14.57                 | 0-1                          | 0        |
|                                      | 36      | 18        | 14.42                 | 14.39                 | 14.37                 |                              | 0        |
|                                      | 36      | 37        | 14.35                 | 14.32                 | 14.28                 |                              | 0        |
| 16QAM                                | 75      | 0         | 14.38                 | 14.32                 | 14.30                 | 0-1                          | 0        |
|                                      | 1       | 0         | 14.55                 | 14.28                 | 14.36                 |                              | 0        |
|                                      | 1       | 36        | 14.44                 | 14.27                 | 14.54                 |                              | 0        |
|                                      | 1       | 74        | 14.35                 | 14.12                 | 14.35                 | 0-2                          | 0        |
|                                      | 36      | 0         | 14.23                 | 14.18                 | 14.58                 |                              | 0        |
|                                      | 36      | 18        | 14.25                 | 14.20                 | 14.39                 |                              | 0        |
| 64QAM                                | 36      | 37        | 14.21                 | 14.12                 | 14.31                 | 0-2                          | 0        |
|                                      | 75      | 0         | 14.18                 | 14.13                 | 14.31                 |                              | 0        |
|                                      | 1       | 0         | 14.47                 | 14.35                 | 14.64                 |                              | 0-2      |
|                                      | 1       | 36        | 14.40                 | 14.32                 | 14.67                 | 0                            |          |
|                                      | 1       | 74        | 14.31                 | 14.14                 | 14.74                 | 0                            |          |
|                                      | 36      | 0         | 14.24                 | 14.18                 | 14.60                 | 0-3                          | 0        |
| 36                                   | 18      | 14.24     | 14.23                 | 14.39                 | 0                     |                              |          |
| 36                                   | 37      | 14.20     | 14.18                 | 14.31                 | 0                     |                              |          |
|                                      | 75      | 0         | 14.19                 | 14.14                 | 14.31                 | 0                            |          |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 135 of 284                 |

**Table 8-183**  
**LTE Band 2 Conducted Powers Ant 4a - 10 MHz Bandwidth**

| LTE Band 2 (PCS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18650<br>(1855.0 MHz) | 18900<br>(1880.0 MHz) | 19150<br>(1905.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 14.48                 | 14.39                 | 14.61                 | 0                            | 0        |
|                                      | 1       | 25        | 14.27                 | 14.24                 | 14.33                 |                              | 0        |
|                                      | 1       | 49        | 14.32                 | 14.27                 | 14.46                 |                              | 0        |
|                                      | 25      | 0         | 14.40                 | 14.42                 | 14.51                 | 0-1                          | 0        |
|                                      | 25      | 12        | 14.36                 | 14.37                 | 14.43                 |                              | 0        |
|                                      | 25      | 25        | 14.37                 | 14.34                 | 14.41                 |                              | 0        |
| 16QAM                                | 50      | 0         | 14.37                 | 14.36                 | 14.43                 | 0-1                          | 0        |
|                                      | 1       | 0         | 14.43                 | 14.40                 | 14.63                 |                              | 0        |
|                                      | 1       | 25        | 14.16                 | 14.27                 | 14.31                 |                              | 0        |
|                                      | 1       | 49        | 14.28                 | 14.19                 | 14.45                 | 0-2                          | 0        |
|                                      | 25      | 0         | 14.23                 | 14.25                 | 14.33                 |                              | 0        |
|                                      | 25      | 12        | 14.18                 | 14.22                 | 14.24                 |                              | 0        |
| 64QAM                                | 25      | 25        | 14.20                 | 14.20                 | 14.22                 | 0-2                          | 0        |
|                                      | 50      | 0         | 14.20                 | 14.19                 | 14.25                 |                              | 0        |
|                                      | 1       | 0         | 14.48                 | 14.57                 | 14.80                 |                              | 0-2      |
|                                      | 1       | 25        | 14.31                 | 14.35                 | 14.54                 | 0                            |          |
|                                      | 1       | 49        | 14.28                 | 14.34                 | 14.64                 | 0                            |          |
|                                      | 64QAM   | 25        | 0                     | 14.24                 | 14.23                 | 14.34                        | 0-3      |
| 25                                   |         | 12        | 14.21                 | 14.20                 | 14.26                 | 0                            |          |
| 25                                   |         | 25        | 14.21                 | 14.15                 | 14.24                 | 0                            |          |
| 50                                   |         | 0         | 14.20                 | 14.18                 | 14.23                 |                              | 0        |

**Table 8-184**  
**LTE Band 2 Conducted Powers Ant 4a - 5 MHz Bandwidth**

| LTE Band 2 (PCS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 18625<br>(1852.5 MHz) | 18900<br>(1880.0 MHz) | 19175<br>(1907.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 14.46                 | 14.43                 | 14.25                 | 0                            | 0        |
|                                     | 1       | 12        | 14.36                 | 14.29                 | 14.21                 |                              | 0        |
|                                     | 1       | 24        | 14.24                 | 14.35                 | 14.44                 |                              | 0        |
|                                     | 12      | 0         | 14.44                 | 14.37                 | 14.38                 | 0-1                          | 0        |
|                                     | 12      | 6         | 14.36                 | 14.35                 | 14.34                 |                              | 0        |
|                                     | 12      | 13        | 14.28                 | 14.32                 | 14.44                 |                              | 0        |
| 16QAM                               | 25      | 0         | 14.38                 | 14.35                 | 14.38                 | 0-1                          | 0        |
|                                     | 1       | 0         | 14.46                 | 14.37                 | 14.33                 |                              | 0        |
|                                     | 1       | 12        | 14.36                 | 14.23                 | 14.08                 |                              | 0        |
|                                     | 1       | 24        | 14.38                 | 14.22                 | 14.38                 | 0-2                          | 0        |
|                                     | 12      | 0         | 14.29                 | 14.20                 | 14.20                 |                              | 0        |
|                                     | 12      | 6         | 14.17                 | 14.09                 | 14.15                 |                              | 0        |
| 64QAM                               | 12      | 13        | 14.15                 | 14.10                 | 14.21                 | 0-2                          | 0        |
|                                     | 25      | 0         | 14.17                 | 14.07                 | 14.14                 |                              | 0        |
|                                     | 1       | 0         | 14.36                 | 14.44                 | 14.30                 |                              | 0-2      |
|                                     | 1       | 12        | 14.36                 | 14.31                 | 14.47                 | 0                            |          |
|                                     | 1       | 24        | 14.21                 | 14.37                 | 14.58                 | 0                            |          |
|                                     | 12      | 0         | 14.33                 | 14.22                 | 14.18                 | 0-3                          | 0        |
| 12                                  | 6       | 14.23     | 14.10                 | 14.19                 | 0                     |                              |          |
| 12                                  | 13      | 14.17     | 14.08                 | 14.28                 | 0                     |                              |          |
|                                     | 25      | 0         | 14.19                 | 14.12                 | 14.17                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 136 of 284                 |

**Table 8-185**  
**LTE Band 2 Conducted Powers Ant 4a - 3 MHz Bandwidth**

| LTE Band 2 (PCS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 18615<br>(1851.5 MHz) | 18900<br>(1880.0 MHz) | 19185<br>(1908.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 14.41                 | 14.19                 | 14.25                 | 0                            | 0        |
|                                     | 1       | 7         | 14.44                 | 14.13                 | 14.38                 |                              | 0        |
|                                     | 1       | 14        | 14.33                 | 14.09                 | 14.45                 |                              | 0        |
|                                     | 8       | 0         | 14.55                 | 14.26                 | 14.34                 | 0-1                          | 0        |
|                                     | 8       | 4         | 14.48                 | 14.17                 | 14.45                 |                              | 0        |
|                                     | 8       | 7         | 14.41                 | 14.18                 | 14.49                 |                              | 0        |
| 15                                  | 0       | 14.50     | 14.22                 | 14.45                 | 0                     |                              |          |
| 16QAM                               | 1       | 0         | 14.33                 | 14.10                 | 14.14                 | 0-1                          | 0        |
|                                     | 1       | 7         | 14.43                 | 14.18                 | 14.23                 |                              | 0        |
|                                     | 1       | 14        | 14.35                 | 14.05                 | 14.42                 |                              | 0        |
|                                     | 8       | 0         | 14.38                 | 14.08                 | 14.20                 | 0-2                          | 0        |
|                                     | 8       | 4         | 14.37                 | 13.98                 | 14.31                 |                              | 0        |
|                                     | 8       | 7         | 14.28                 | 14.02                 | 14.34                 |                              | 0        |
| 15                                  | 0       | 14.32     | 14.03                 | 14.30                 | 0                     |                              |          |
| 64QAM                               | 1       | 0         | 14.45                 | 14.32                 | 14.44                 | 0-2                          | 0        |
|                                     | 1       | 7         | 14.42                 | 14.11                 | 14.54                 |                              | 0        |
|                                     | 1       | 14        | 14.42                 | 13.99                 | 14.62                 |                              | 0        |
|                                     | 8       | 0         | 14.43                 | 14.06                 | 14.31                 | 0-3                          | 0        |
|                                     | 8       | 4         | 14.37                 | 14.02                 | 14.32                 |                              | 0        |
|                                     | 8       | 7         | 14.28                 | 14.00                 | 14.36                 |                              | 0        |
| 15                                  | 0       | 14.29     | 14.04                 | 14.31                 | 0                     |                              |          |

**Table 8-186**  
**LTE Band 2 Conducted Powers Ant 4a - 1.4 MHz Bandwidth**

| LTE Band 2 (PCS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 18607<br>(1850.7 MHz) | 18900<br>(1880.0 MHz) | 19193<br>(1909.3 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 14.56                 | 14.30                 | 14.42                 | 0                            | 0        |
|                                       | 1       | 2         | 14.53                 | 14.25                 | 14.40                 |                              | 0        |
|                                       | 1       | 5         | 14.52                 | 14.24                 | 14.48                 |                              | 0        |
|                                       | 3       | 0         | 14.42                 | 14.35                 | 14.43                 |                              | 0        |
|                                       | 3       | 2         | 14.47                 | 14.25                 | 14.44                 |                              | 0        |
|                                       | 3       | 3         | 14.47                 | 14.28                 | 14.47                 |                              | 0        |
|                                       | 6       | 0         | 14.45                 | 14.30                 | 14.42                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 14.55                 | 14.28                 | 14.52                 | 0-1                          | 0        |
|                                       | 1       | 2         | 14.50                 | 14.26                 | 14.59                 |                              | 0        |
|                                       | 1       | 5         | 14.55                 | 14.16                 | 14.77                 |                              | 0        |
|                                       | 3       | 0         | 14.46                 | 14.24                 | 14.52                 |                              | 0        |
|                                       | 3       | 2         | 14.57                 | 14.22                 | 14.54                 |                              | 0        |
|                                       | 3       | 3         | 14.58                 | 14.17                 | 14.45                 |                              | 0        |
|                                       | 6       | 0         | 14.49                 | 14.18                 | 14.47                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 14.74                 | 14.60                 | 14.65                 | 0-2                          | 0        |
|                                       | 1       | 2         | 14.60                 | 14.58                 | 14.58                 |                              | 0        |
|                                       | 1       | 5         | 14.70                 | 14.70                 | 14.68                 |                              | 0        |
|                                       | 3       | 0         | 14.45                 | 14.35                 | 14.40                 |                              | 0        |
|                                       | 3       | 2         | 14.40                 | 14.30                 | 14.37                 |                              | 0        |
|                                       | 3       | 3         | 14.44                 | 14.35                 | 14.50                 |                              | 0        |
|                                       | 6       | 0         | 14.30                 | 14.28                 | 14.40                 | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 137 of 284                 |

Table 8-187

## LTE Band 2 Conducted Powers Ant 4a - 20 MHz Bandwidth, Inter-band ULCA Active

| LTE Band 2 (PCS)<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18700<br>(1860.0 MHz) | 18900<br>(1880.0 MHz) | 19100<br>(1900.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 11.63                 | 11.45                 | 11.60                 | 0                            | 0        |
|                                      | 1       | 50        | 11.47                 | 11.63                 | 11.64                 |                              | 0        |
|                                      | 1       | 99        | 11.67                 | 11.68                 | 11.77                 |                              | 0        |
|                                      | 50      | 0         | 11.46                 | 11.61                 | 11.64                 | 0-1                          | 0        |
|                                      | 50      | 25        | 11.42                 | 11.64                 | 11.61                 |                              | 0        |
|                                      | 50      | 50        | 11.51                 | 11.64                 | 11.66                 |                              | 0        |
| 16QAM                                | 100     | 0         | 11.46                 | 11.59                 | 11.63                 | 0-1                          | 0        |
|                                      | 1       | 0         | 11.56                 | 11.49                 | 11.49                 |                              | 0        |
|                                      | 1       | 50        | 11.49                 | 11.35                 | 11.69                 |                              | 0        |
|                                      | 1       | 99        | 11.71                 | 11.25                 | 11.74                 | 0-2                          | 0        |
|                                      | 50      | 0         | 11.14                 | 11.33                 | 11.42                 |                              | 0        |
|                                      | 50      | 25        | 11.12                 | 11.23                 | 11.32                 |                              | 0        |
| 64QAM                                | 50      | 50        | 11.19                 | 11.15                 | 11.14                 | 0-2                          | 0        |
|                                      | 100     | 0         | 11.14                 | 11.19                 | 11.28                 |                              | 0        |
|                                      | 1       | 0         | 11.51                 | 11.60                 | 11.36                 |                              | 0-2      |
|                                      | 1       | 50        | 11.30                 | 11.18                 | 11.57                 | 0                            |          |
|                                      | 1       | 99        | 11.38                 | 11.33                 | 11.70                 | 0                            |          |
|                                      | 50      | 0         | 11.00                 | 11.36                 | 11.48                 | 0-3                          | 0        |
| 50                                   | 25      | 10.91     | 11.21                 | 11.39                 | 0                     |                              |          |
| 50                                   | 50      | 11.08     | 11.36                 | 11.24                 | 0                     |                              |          |
|                                      | 100     | 0         | 10.91                 | 11.29                 | 11.40                 |                              | 0        |

Table 8-188

## LTE Band 2 Conducted Powers Ant 4a - 15 MHz Bandwidth, Inter-band ULCA Active

| LTE Band 2 (PCS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18675<br>(1857.5 MHz) | 18900<br>(1880.0 MHz) | 19125<br>(1902.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 11.60                 | 11.37                 | 11.51                 | 0                            | 0        |
|                                      | 1       | 36        | 11.35                 | 11.44                 | 11.51                 |                              | 0        |
|                                      | 1       | 74        | 11.36                 | 11.27                 | 11.65                 |                              | 0        |
|                                      | 36      | 0         | 11.30                 | 11.46                 | 11.68                 | 0-1                          | 0        |
|                                      | 36      | 18        | 11.28                 | 11.49                 | 11.59                 |                              | 0        |
|                                      | 36      | 37        | 11.24                 | 11.37                 | 11.53                 |                              | 0        |
|                                      | 75      | 0         | 11.27                 | 11.42                 | 11.49                 | 0                            |          |
| 16QAM                                | 1       | 0         | 11.64                 | 11.61                 | 11.65                 | 0-1                          | 0        |
|                                      | 1       | 36        | 11.31                 | 11.66                 | 11.73                 |                              | 0        |
|                                      | 1       | 74        | 11.60                 | 11.37                 | 11.70                 |                              | 0        |
|                                      | 36      | 0         | 11.32                 | 11.42                 | 11.69                 | 0-2                          | 0        |
|                                      | 36      | 18        | 11.31                 | 11.40                 | 11.60                 |                              | 0        |
|                                      | 36      | 37        | 11.28                 | 11.25                 | 11.54                 |                              | 0        |
|                                      | 75      | 0         | 11.28                 | 11.31                 | 11.50                 | 0                            |          |
| 64QAM                                | 1       | 0         | 11.19                 | 11.46                 | 11.54                 | 0-2                          | 0        |
|                                      | 1       | 36        | 11.13                 | 11.32                 | 11.05                 |                              | 0        |
|                                      | 1       | 74        | 11.30                 | 11.22                 | 10.95                 | 0-3                          | 0        |
|                                      | 36      | 0         | 11.04                 | 11.15                 | 11.30                 |                              | 0        |
|                                      | 36      | 18        | 10.89                 | 11.18                 | 11.18                 |                              | 0        |
|                                      | 36      | 37        | 10.98                 | 11.21                 | 10.91                 |                              | 0        |
|                                      | 75      | 0         | 10.83                 | 11.17                 | 11.00                 | 0                            |          |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 138 of 284                 |

Table 8-189

## LTE Band 2 Conducted Powers Ant 4a - 10 MHz Bandwidth, Inter-band ULCA Active

| LTE Band 2 (PCS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18650<br>(1855.0 MHz) | 18900<br>(1880.0 MHz) | 19150<br>(1905.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 11.40                 | 11.37                 | 11.63                 | 0                            | 0        |
|                                      | 1       | 25        | 11.21                 | 11.21                 | 11.44                 |                              | 0        |
|                                      | 1       | 49        | 11.33                 | 11.10                 | 11.49                 |                              | 0        |
|                                      | 25      | 0         | 11.41                 | 11.38                 | 11.47                 | 0-1                          | 0        |
|                                      | 25      | 12        | 11.33                 | 11.33                 | 11.40                 |                              | 0        |
|                                      | 25      | 25        | 11.37                 | 11.20                 | 11.43                 |                              | 0        |
| 16QAM                                | 50      | 0         | 11.35                 | 11.28                 | 11.42                 | 0-1                          | 0        |
|                                      | 1       | 0         | 11.60                 | 11.63                 | 11.66                 |                              | 0        |
|                                      | 1       | 25        | 11.47                 | 11.31                 | 11.36                 |                              | 0        |
|                                      | 1       | 49        | 11.52                 | 11.25                 | 11.70                 | 0-2                          | 0        |
|                                      | 25      | 0         | 11.43                 | 11.39                 | 11.50                 |                              | 0        |
|                                      | 25      | 12        | 11.39                 | 11.36                 | 11.40                 |                              | 0        |
| 64QAM                                | 25      | 25        | 11.38                 | 11.23                 | 11.46                 | 0-2                          | 0        |
|                                      | 50      | 0         | 11.38                 | 11.35                 | 11.57                 |                              | 0        |
|                                      | 1       | 0         | 11.30                 | 11.41                 | 11.45                 |                              | 0-2      |
|                                      | 1       | 25        | 10.95                 | 11.09                 | 11.34                 | 0                            |          |
|                                      | 1       | 49        | 11.05                 | 11.22                 | 11.40                 | 0-3                          |          |
|                                      | 25      | 0         | 11.03                 | 11.08                 | 11.16                 |                              | 0        |
| 25                                   | 12      | 10.92     | 11.04                 | 11.13                 | 0                     |                              |          |
| 64QAM                                | 25      | 25        | 10.80                 | 11.08                 | 11.19                 | 0-3                          | 0        |
|                                      | 50      | 0         | 10.89                 | 11.08                 | 11.14                 |                              | 0        |

Table 8-190

## LTE Band 2 Conducted Powers Ant 4a - 5 MHz Bandwidth, Inter-band ULCA Active

| LTE Band 2 (PCS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 18625<br>(1852.5 MHz) | 18900<br>(1880.0 MHz) | 19175<br>(1907.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 11.39                 | 11.43                 | 11.29                 | 0                            | 0        |
|                                     | 1       | 12        | 11.27                 | 11.36                 | 11.34                 |                              | 0        |
|                                     | 1       | 24        | 11.31                 | 11.31                 | 11.53                 |                              | 0        |
|                                     | 12      | 0         | 11.40                 | 11.43                 | 11.43                 | 0-1                          | 0        |
|                                     | 12      | 6         | 11.38                 | 11.41                 | 11.44                 |                              | 0        |
|                                     | 12      | 13        | 11.35                 | 11.34                 | 11.49                 |                              | 0        |
| 16QAM                               | 25      | 0         | 11.39                 | 11.35                 | 11.45                 | 0-1                          | 0        |
|                                     | 1       | 0         | 11.66                 | 11.57                 | 11.55                 |                              | 0        |
|                                     | 1       | 12        | 11.64                 | 11.50                 | 11.49                 |                              | 0        |
|                                     | 1       | 24        | 11.60                 | 11.41                 | 11.73                 | 0-2                          | 0        |
|                                     | 12      | 0         | 11.39                 | 11.42                 | 11.54                 |                              | 0        |
|                                     | 12      | 6         | 11.41                 | 11.43                 | 11.52                 |                              | 0        |
| 64QAM                               | 12      | 13        | 11.36                 | 11.30                 | 11.61                 | 0-2                          | 0        |
|                                     | 25      | 0         | 11.41                 | 11.35                 | 11.54                 |                              | 0        |
|                                     | 1       | 0         | 11.30                 | 11.36                 | 11.43                 | 0-2                          | 0        |
|                                     | 1       | 12        | 11.13                 | 11.27                 | 11.50                 |                              | 0        |
|                                     | 1       | 24        | 11.21                 | 11.36                 | 11.53                 | 0-3                          | 0        |
|                                     | 12      | 0         | 11.20                 | 11.21                 | 11.27                 |                              | 0        |
| 12                                  | 6       | 11.06     | 11.18                 | 11.30                 | 0                     |                              |          |
| 64QAM                               | 12      | 13        | 11.03                 | 11.16                 | 11.22                 | 0-3                          | 0        |
|                                     | 25      | 0         | 11.07                 | 11.18                 | 11.24                 |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 139 of 284                 |

**Table 8-191**  
**LTE Band 2 Conducted Powers Ant 4a - 3 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 2 (PCS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 18615<br>(1851.5 MHz) | 18900<br>(1880.0 MHz) | 19185<br>(1908.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 11.36                 | 11.36                 | 11.31                 | 0                            | 0        |
|                                     | 1       | 7         | 11.38                 | 11.36                 | 11.42                 |                              | 0        |
|                                     | 1       | 14        | 11.35                 | 11.19                 | 11.49                 |                              | 0        |
|                                     | 8       | 0         | 11.52                 | 11.46                 | 11.44                 | 0-1                          | 0        |
|                                     | 8       | 4         | 11.46                 | 11.42                 | 11.48                 |                              | 0        |
|                                     | 8       | 7         | 11.43                 | 11.38                 | 11.57                 |                              | 0        |
| 16QAM                               | 15      | 0         | 11.49                 | 11.41                 | 11.48                 | 0-1                          | 0        |
|                                     | 1       | 0         | 11.47                 | 11.55                 | 11.50                 |                              | 0        |
|                                     | 1       | 7         | 11.65                 | 11.62                 | 11.55                 |                              | 0        |
|                                     | 1       | 14        | 11.56                 | 11.46                 | 11.72                 | 0-2                          | 0        |
|                                     | 8       | 0         | 11.57                 | 11.54                 | 11.46                 |                              | 0        |
|                                     | 8       | 4         | 11.46                 | 11.44                 | 11.59                 |                              | 0        |
| 64QAM                               | 8       | 7         | 11.49                 | 11.46                 | 11.56                 | 0-2                          | 0        |
|                                     | 15      | 0         | 11.50                 | 11.40                 | 11.51                 |                              | 0        |
|                                     | 1       | 0         | 11.18                 | 10.93                 | 11.43                 |                              | 0-2      |
|                                     | 1       | 7         | 11.32                 | 10.98                 | 11.37                 | 0                            |          |
|                                     | 1       | 14        | 11.07                 | 10.92                 | 11.38                 | 0-3                          |          |
|                                     | 8       | 0         | 11.10                 | 10.93                 | 11.18                 |                              | 0        |
| 8                                   | 4       | 11.14     | 10.89                 | 11.10                 | 0                     |                              |          |
| 64QAM                               | 8       | 7         | 11.01                 | 10.88                 | 11.11                 | 0-3                          | 0        |
|                                     | 15      | 0         | 11.14                 | 10.92                 | 11.09                 |                              | 0        |

**Table 8-192**  
**LTE Band 2 Conducted Powers Ant 4a - 1.4 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 2 (PCS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 18607<br>(1850.7 MHz) | 18900<br>(1880.0 MHz) | 19193<br>(1909.3 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 11.19                 | 11.19                 | 11.52                 | 0                            | 0        |
|                                       | 1       | 2         | 11.18                 | 11.18                 | 11.50                 |                              | 0        |
|                                       | 1       | 5         | 11.17                 | 11.14                 | 11.55                 |                              | 0        |
|                                       | 3       | 0         | 11.28                 | 11.26                 | 11.39                 |                              | 0        |
|                                       | 3       | 2         | 11.31                 | 11.23                 | 11.34                 |                              | 0        |
|                                       | 3       | 3         | 11.31                 | 11.20                 | 11.33                 | 0                            |          |
|                                       | 6       | 0         | 11.29                 | 11.19                 | 11.35                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 11.29                 | 11.40                 | 11.64                 | 0-1                          | 0        |
|                                       | 1       | 2         | 11.41                 | 11.25                 | 11.59                 |                              | 0        |
|                                       | 1       | 5         | 11.49                 | 11.18                 | 11.59                 |                              | 0        |
|                                       | 3       | 0         | 11.36                 | 11.37                 | 11.54                 |                              | 0        |
|                                       | 3       | 2         | 11.38                 | 11.23                 | 11.49                 |                              | 0        |
|                                       | 3       | 3         | 11.48                 | 11.27                 | 11.56                 | 0                            |          |
|                                       | 6       | 0         | 11.30                 | 11.22                 | 11.36                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 11.19                 | 11.37                 | 11.61                 | 0-2                          | 0        |
|                                       | 1       | 2         | 11.17                 | 11.35                 | 11.55                 |                              | 0        |
|                                       | 1       | 5         | 11.25                 | 11.34                 | 11.65                 |                              | 0        |
|                                       | 3       | 0         | 11.16                 | 11.30                 | 11.43                 |                              | 0        |
|                                       | 3       | 2         | 11.15                 | 11.24                 | 11.43                 |                              | 0        |
|                                       | 3       | 3         | 11.19                 | 11.24                 | 11.49                 | 0                            |          |
|                                       | 6       | 0         | 11.12                 | 11.26                 | 11.37                 | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 140 of 284                 |

**Table 8-193**  
**LTE Band 2 Conducted Powers Ant 4b - 20 MHz Bandwidth**

| LTE Band 2 (PCS)<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |   |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|---|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |   |
|                                      |         |           | 18700<br>(1860.0 MHz) | 18900<br>(1880.0 MHz) | 19100<br>(1900.0 MHz) |                              |          |   |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |   |
| QPSK                                 | 1       | 0         | 13.49                 | 12.97                 | 13.10                 | 0                            | 0        |   |
|                                      | 1       | 50        | 13.27                 | 13.29                 | 13.13                 |                              | 0        |   |
|                                      | 1       | 99        | 13.00                 | 13.22                 | 13.12                 |                              | 0        |   |
|                                      | 50      | 0         | 13.48                 | 13.11                 | 13.12                 | 0-1                          | 0        |   |
|                                      | 50      | 25        | 13.34                 | 13.33                 | 13.33                 |                              | 0        |   |
|                                      | 50      | 50        | 13.09                 | 13.34                 | 13.42                 |                              | 0        |   |
| 16QAM                                | 100     | 0         | 13.36                 | 13.35                 | 13.37                 | 0-1                          | 0        |   |
|                                      | 1       | 0         | 13.33                 | 12.91                 | 12.90                 |                              | 0-1      | 0 |
|                                      | 1       | 50        | 13.12                 | 13.10                 | 12.96                 |                              |          | 0 |
|                                      | 1       | 99        | 12.90                 | 13.00                 | 12.91                 | 0-2                          |          | 0 |
|                                      | 50      | 0         | 12.99                 | 12.85                 | 12.86                 |                              | 0        |   |
|                                      | 50      | 25        | 12.84                 | 12.91                 | 12.81                 |                              | 0        |   |
| 50                                   | 50      | 12.72     | 12.96                 | 12.85                 | 0                     |                              |          |   |
| 64QAM                                | 100     | 0         | 12.84                 | 12.94                 | 12.86                 | 0-2                          | 0        |   |
|                                      | 1       | 0         | 13.14                 | 12.99                 | 13.32                 |                              | 0-2      | 0 |
|                                      | 1       | 50        | 13.07                 | 13.06                 | 13.42                 |                              |          | 0 |
|                                      | 1       | 99        | 12.98                 | 12.96                 | 13.20                 | 0-3                          |          | 0 |
|                                      | 50      | 0         | 13.20                 | 12.90                 | 12.95                 |                              | 0        |   |
|                                      | 50      | 25        | 13.07                 | 13.12                 | 13.15                 |                              | 0        |   |
| 50                                   | 50      | 12.90     | 13.12                 | 13.18                 | 0                     |                              |          |   |
|                                      | 100     | 0         | 13.09                 | 13.15                 | 13.15                 |                              | 0        |   |

**Table 8-194**  
**LTE Band 2 Conducted Powers Ant 4b - 15 MHz Bandwidth**

| LTE Band 2 (PCS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18675<br>(1857.5 MHz) | 18900<br>(1880.0 MHz) | 19125<br>(1902.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 13.13                 | 12.93                 | 12.87                 | 0                            | 0        |
|                                      | 1       | 36        | 13.32                 | 13.06                 | 13.16                 |                              | 0        |
|                                      | 1       | 74        | 13.11                 | 13.16                 | 12.94                 |                              | 0        |
|                                      | 36      | 0         | 13.44                 | 13.22                 | 13.09                 | 0-1                          | 0        |
|                                      | 36      | 18        | 13.45                 | 13.23                 | 13.23                 |                              | 0        |
|                                      | 36      | 37        | 13.35                 | 13.19                 | 13.17                 |                              | 0        |
| 16QAM                                | 75      | 0         | 13.43                 | 13.21                 | 13.22                 | 0-1                          | 0        |
|                                      | 1       | 0         | 13.20                 | 13.20                 | 13.18                 |                              | 0        |
|                                      | 1       | 36        | 13.48                 | 13.29                 | 13.36                 |                              | 0        |
|                                      | 1       | 74        | 13.09                 | 13.44                 | 13.29                 | 0-2                          | 0        |
|                                      | 36      | 0         | 13.19                 | 13.16                 | 13.10                 |                              | 0        |
|                                      | 36      | 18        | 13.21                 | 13.24                 | 13.24                 |                              | 0        |
| 64QAM                                | 36      | 37        | 13.02                 | 13.21                 | 13.19                 | 0-2                          | 0        |
|                                      | 75      | 0         | 13.17                 | 13.23                 | 13.21                 |                              | 0        |
|                                      | 1       | 0         | 13.24                 | 13.22                 | 13.28                 |                              | 0-2      |
|                                      | 1       | 36        | 13.26                 | 13.20                 | 13.48                 | 0                            |          |
|                                      | 1       | 74        | 13.27                 | 13.42                 | 13.35                 | 0-3                          |          |
|                                      | 36      | 0         | 13.19                 | 13.22                 | 13.10                 |                              | 0        |
| 36                                   | 18      | 13.23     | 13.24                 | 13.24                 | 0                     |                              |          |
|                                      | 36      | 37        | 13.12                 | 13.20                 | 13.20                 | 0-3                          | 0        |
|                                      | 75      | 0         | 13.18                 | 13.23                 | 13.22                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 141 of 284                 |

**Table 8-195**  
**LTE Band 2 Conducted Powers Ant 4b - 10 MHz Bandwidth**

| LTE Band 2 (PCS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18650<br>(1855.0 MHz) | 18900<br>(1880.0 MHz) | 19150<br>(1905.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 13.17                 | 12.96                 | 13.19                 | 0                            | 0        |
|                                      | 1       | 25        | 13.24                 | 12.98                 | 13.26                 |                              | 0        |
|                                      | 1       | 49        | 13.20                 | 13.06                 | 13.10                 |                              | 0        |
|                                      | 25      | 0         | 13.23                 | 13.14                 | 13.26                 | 0-1                          | 0        |
|                                      | 25      | 12        | 13.25                 | 13.13                 | 13.28                 |                              | 0        |
|                                      | 25      | 25        | 13.22                 | 13.15                 | 13.19                 |                              | 0        |
| 16QAM                                | 50      | 0         | 13.26                 | 13.16                 | 13.29                 | 0-1                          | 0        |
|                                      | 1       | 0         | 13.46                 | 13.20                 | 13.36                 |                              | 0        |
|                                      | 1       | 25        | 13.50                 | 13.07                 | 13.38                 |                              | 0        |
|                                      | 1       | 49        | 13.27                 | 13.27                 | 13.30                 | 0-2                          | 0        |
|                                      | 25      | 0         | 13.25                 | 13.17                 | 13.12                 |                              | 0        |
|                                      | 25      | 12        | 13.24                 | 13.16                 | 13.21                 |                              | 0        |
| 64QAM                                | 25      | 25        | 13.10                 | 13.13                 | 13.19                 | 0-2                          | 0        |
|                                      | 50      | 0         | 13.27                 | 13.22                 | 13.27                 |                              | 0        |
|                                      | 1       | 0         | 13.46                 | 13.24                 | 13.43                 |                              | 0-2      |
|                                      | 1       | 25        | 13.49                 | 13.45                 | 13.37                 | 0                            |          |
|                                      | 1       | 49        | 13.45                 | 13.43                 | 13.42                 | 0                            |          |
|                                      | 64QAM   | 25        | 0                     | 13.23                 | 13.18                 | 13.29                        | 0-3      |
| 25                                   |         | 12        | 13.22                 | 13.16                 | 13.31                 | 0                            |          |
| 25                                   |         | 25        | 13.20                 | 13.18                 | 13.21                 | 0                            |          |
| 50                                   |         | 0         | 13.27                 | 13.15                 | 13.30                 |                              | 0        |

**Table 8-196**  
**LTE Band 2 Conducted Powers Ant 4b - 5 MHz Bandwidth**

| LTE Band 2 (PCS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 18625<br>(1852.5 MHz) | 18900<br>(1880.0 MHz) | 19175<br>(1907.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 13.02                 | 13.05                 | 13.11                 | 0                            | 0        |
|                                     | 1       | 12        | 13.10                 | 12.96                 | 13.05                 |                              | 0        |
|                                     | 1       | 24        | 13.14                 | 12.95                 | 13.00                 |                              | 0        |
|                                     | 12      | 0         | 13.02                 | 13.13                 | 13.13                 | 0-1                          | 0        |
|                                     | 12      | 6         | 13.09                 | 13.12                 | 13.07                 |                              | 0        |
|                                     | 12      | 13        | 13.16                 | 13.13                 | 13.02                 |                              | 0        |
| 16QAM                               | 25      | 0         | 13.13                 | 13.15                 | 13.10                 | 0-1                          | 0        |
|                                     | 1       | 0         | 13.19                 | 13.42                 | 13.19                 |                              | 0        |
|                                     | 1       | 12        | 13.34                 | 13.29                 | 13.20                 |                              | 0        |
|                                     | 1       | 24        | 13.37                 | 13.28                 | 13.33                 | 0-2                          | 0        |
|                                     | 12      | 0         | 13.05                 | 13.21                 | 13.18                 |                              | 0        |
|                                     | 12      | 6         | 13.13                 | 13.18                 | 13.08                 |                              | 0        |
| 64QAM                               | 12      | 13        | 13.21                 | 13.16                 | 13.07                 | 0-2                          | 0        |
|                                     | 25      | 0         | 13.11                 | 13.19                 | 13.11                 |                              | 0        |
|                                     | 1       | 0         | 13.26                 | 13.41                 | 13.33                 | 0-2                          | 0        |
|                                     | 1       | 12        | 13.30                 | 13.25                 | 13.19                 |                              | 0        |
|                                     | 1       | 24        | 13.36                 | 13.23                 | 13.23                 | 0-3                          | 0        |
|                                     | 12      | 0         | 13.07                 | 13.16                 | 13.13                 |                              | 0        |
| 12                                  | 6       | 13.18     | 13.17                 | 13.02                 | 0                     |                              |          |
| 64QAM                               | 12      | 13        | 13.19                 | 13.14                 | 13.02                 | 0-3                          | 0        |
|                                     | 25      | 0         | 13.11                 | 13.16                 | 13.08                 |                              | 0        |

|                                         |                                                                                                                  |                            |  |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  |  | Page 142 of 284                 |

**Table 8-197**  
**LTE Band 2 Conducted Powers Ant 4b - 3 MHz Bandwidth**

| LTE Band 2 (PCS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 18615<br>(1851.5 MHz) | 18900<br>(1880.0 MHz) | 19185<br>(1908.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 12.98                 | 12.95                 | 12.91                 | 0                            | 0        |
|                                     | 1       | 7         | 13.11                 | 12.99                 | 12.96                 |                              | 0        |
|                                     | 1       | 14        | 13.07                 | 12.96                 | 12.86                 |                              | 0        |
|                                     | 8       | 0         | 13.00                 | 13.14                 | 13.01                 | 0-1                          | 0        |
|                                     | 8       | 4         | 13.09                 | 13.12                 | 12.95                 |                              | 0        |
|                                     | 8       | 7         | 13.10                 | 13.11                 | 12.94                 |                              | 0        |
| 16QAM                               | 15      | 0         | 13.08                 | 13.17                 | 12.96                 | 0-1                          | 0        |
|                                     | 1       | 0         | 13.29                 | 13.35                 | 13.37                 |                              | 0        |
|                                     | 1       | 7         | 13.37                 | 13.30                 | 13.24                 |                              | 0        |
|                                     | 1       | 14        | 13.34                 | 13.15                 | 13.18                 | 0-2                          | 0        |
|                                     | 8       | 0         | 13.03                 | 13.15                 | 13.05                 |                              | 0        |
|                                     | 8       | 4         | 13.14                 | 13.16                 | 12.99                 |                              | 0        |
| 64QAM                               | 8       | 7         | 13.15                 | 13.16                 | 12.97                 | 0-2                          | 0        |
|                                     | 15      | 0         | 13.09                 | 13.19                 | 12.98                 |                              | 0        |
|                                     | 1       | 0         | 13.47                 | 13.46                 | 13.23                 |                              | 0-2      |
|                                     | 1       | 7         | 13.44                 | 13.09                 | 13.28                 | 0                            |          |
|                                     | 1       | 14        | 13.31                 | 13.12                 | 13.15                 | 0-3                          |          |
|                                     | 8       | 0         | 13.05                 | 13.16                 | 13.01                 |                              | 0        |
| 8                                   | 4       | 13.12     | 13.17                 | 13.01                 | 0                     |                              |          |
|                                     | 8       | 7         | 13.09                 | 13.17                 | 12.94                 |                              | 0        |
|                                     | 15      | 0         | 13.12                 | 13.19                 | 13.00                 |                              | 0        |

**Table 8-198**  
**LTE Band 2 Conducted Powers Ant 4b - 1.4 MHz Bandwidth**

| LTE Band 2 (PCS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 18607<br>(1850.7 MHz) | 18900<br>(1880.0 MHz) | 19193<br>(1909.3 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 13.04                 | 13.03                 | 13.13                 | 0                            | 0        |
|                                       | 1       | 2         | 13.00                 | 12.97                 | 13.00                 |                              | 0        |
|                                       | 1       | 5         | 13.05                 | 13.00                 | 13.07                 |                              | 0        |
|                                       | 3       | 0         | 12.99                 | 13.13                 | 12.99                 |                              | 0        |
|                                       | 3       | 2         | 12.99                 | 13.12                 | 12.92                 |                              | 0        |
|                                       | 3       | 3         | 13.01                 | 13.12                 | 12.98                 | 0                            |          |
|                                       | 6       | 0         | 12.98                 | 13.14                 | 12.99                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 13.36                 | 13.31                 | 13.38                 | 0-1                          | 0        |
|                                       | 1       | 2         | 13.37                 | 13.45                 | 13.34                 |                              | 0        |
|                                       | 1       | 5         | 13.33                 | 13.41                 | 13.30                 |                              | 0        |
|                                       | 3       | 0         | 13.07                 | 13.18                 | 13.06                 |                              | 0        |
|                                       | 3       | 2         | 13.15                 | 13.15                 | 13.09                 |                              | 0        |
|                                       | 3       | 3         | 13.05                 | 13.17                 | 13.10                 | 0                            |          |
|                                       | 6       | 0         | 13.05                 | 13.16                 | 12.96                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 13.48                 | 13.44                 | 13.41                 | 0-2                          | 0        |
|                                       | 1       | 2         | 13.21                 | 13.31                 | 13.36                 |                              | 0        |
|                                       | 1       | 5         | 13.27                 | 13.37                 | 13.34                 |                              | 0        |
|                                       | 3       | 0         | 13.04                 | 13.23                 | 13.11                 |                              | 0        |
|                                       | 3       | 2         | 13.04                 | 13.12                 | 12.95                 |                              | 0        |
|                                       | 3       | 3         | 13.09                 | 13.15                 | 13.11                 | 0                            |          |
|                                       | 6       | 0         | 13.10                 | 13.17                 | 12.99                 | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 143 of 284                 |

**Table 8-199**  
**LTE Band 2 Conducted Powers Ant 4b - 20 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 2 (PCS)<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18700<br>(1860.0 MHz) | 18900<br>(1880.0 MHz) | 19100<br>(1900.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 10.34                 | 10.24                 | 10.24                 | 0                            | 0        |
|                                      | 1       | 50        | 10.24                 | 10.17                 | 10.35                 |                              | 0        |
|                                      | 1       | 99        | 10.08                 | 10.11                 | 10.32                 |                              | 0        |
|                                      | 50      | 0         | 10.33                 | 10.22                 | 10.08                 | 0-1                          | 0        |
|                                      | 50      | 25        | 10.20                 | 10.21                 | 10.29                 |                              | 0        |
|                                      | 50      | 50        | 10.05                 | 10.14                 | 10.37                 |                              | 0        |
| 16QAM                                | 100     | 0         | 10.17                 | 10.20                 | 10.34                 | 0-1                          | 0        |
|                                      | 1       | 0         | 10.35                 | 10.32                 | 10.20                 |                              | 0        |
|                                      | 1       | 50        | 10.33                 | 10.28                 | 10.48                 |                              | 0        |
|                                      | 1       | 99        | 10.00                 | 10.39                 | 10.40                 | 0-2                          | 0        |
|                                      | 50      | 0         | 10.26                 | 9.87                  | 10.16                 |                              | 0        |
|                                      | 50      | 25        | 10.04                 | 9.92                  | 10.18                 |                              | 0        |
| 64QAM                                | 50      | 50        | 9.85                  | 9.95                  | 10.20                 | 0-2                          | 0        |
|                                      | 100     | 0         | 9.90                  | 9.97                  | 10.20                 |                              | 0        |
|                                      | 1       | 0         | 10.10                 | 9.55                  | 10.12                 | 0-2                          | 0        |
|                                      | 1       | 50        | 10.00                 | 9.80                  | 10.34                 |                              | 0        |
|                                      | 1       | 99        | 9.96                  | 9.90                  | 10.15                 | 0-3                          | 0        |
|                                      | 50      | 0         | 9.98                  | 9.64                  | 9.87                  |                              | 0        |
|                                      | 50      | 25        | 9.91                  | 9.88                  | 10.05                 |                              | 0        |
|                                      | 50      | 50        | 9.81                  | 9.91                  | 10.06                 |                              | 0        |
|                                      | 100     | 0         | 9.92                  | 9.89                  | 10.05                 |                              | 0        |

**Table 8-200**  
**LTE Band 2 Conducted Powers Ant 4b - 15 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 2 (PCS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18675<br>(1857.5 MHz) | 18900<br>(1880.0 MHz) | 19125<br>(1902.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 10.28                 | 9.91                  | 10.13                 | 0                            | 0        |
|                                      | 1       | 36        | 10.06                 | 10.10                 | 10.35                 |                              | 0        |
|                                      | 1       | 74        | 9.84                  | 10.03                 | 10.04                 |                              | 0        |
|                                      | 36      | 0         | 10.39                 | 10.25                 | 10.32                 | 0-1                          | 0        |
|                                      | 36      | 18        | 10.23                 | 10.24                 | 10.37                 |                              | 0        |
|                                      | 36      | 37        | 10.12                 | 10.18                 | 10.32                 |                              | 0        |
| 16QAM                                | 75      | 0         | 10.23                 | 10.26                 | 10.34                 | 0-1                          | 0        |
|                                      | 1       | 0         | 10.32                 | 9.93                  | 10.04                 |                              | 0        |
|                                      | 1       | 36        | 10.14                 | 10.05                 | 10.43                 |                              | 0        |
|                                      | 1       | 74        | 9.90                  | 9.97                  | 9.98                  | 0-2                          | 0        |
|                                      | 36      | 0         | 10.16                 | 10.04                 | 10.25                 |                              | 0        |
|                                      | 36      | 18        | 10.08                 | 10.00                 | 10.32                 |                              | 0        |
| 64QAM                                | 36      | 37        | 10.00                 | 10.01                 | 10.14                 | 0-2                          | 0        |
|                                      | 75      | 0         | 10.05                 | 10.03                 | 10.27                 |                              | 0        |
|                                      | 1       | 0         | 10.29                 | 9.63                  | 10.21                 | 0-2                          | 0        |
|                                      | 1       | 36        | 10.22                 | 9.92                  | 9.92                  |                              | 0        |
|                                      | 1       | 74        | 9.63                  | 9.85                  | 9.85                  | 0-3                          | 0        |
|                                      | 36      | 0         | 10.18                 | 9.85                  | 9.71                  |                              | 0        |
| 36                                   | 18      | 10.10     | 9.84                  | 9.87                  | 0                     |                              |          |
| 36                                   | 37      | 9.94      | 9.89                  | 9.87                  | 0                     |                              |          |
|                                      | 75      | 0         | 10.10                 | 9.93                  | 9.90                  |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 144 of 284                 |

**Table 8-201**  
**LTE Band 2 Conducted Powers Ant 4b - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 2 (PCS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18650<br>(1855.0 MHz) | 18900<br>(1880.0 MHz) | 19150<br>(1905.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 10.25                 | 9.89                  | 10.20                 | 0                            | 0        |
|                                      | 1       | 25        | 10.31                 | 9.96                  | 10.31                 |                              | 0        |
|                                      | 1       | 49        | 10.33                 | 9.99                  | 10.15                 |                              | 0        |
|                                      | 25      | 0         | 10.23                 | 10.19                 | 10.24                 | 0-1                          | 0        |
|                                      | 25      | 12        | 10.32                 | 10.13                 | 10.38                 |                              | 0        |
|                                      | 25      | 25        | 10.28                 | 10.07                 | 10.26                 |                              | 0        |
| 16QAM                                | 50      | 0         | 10.33                 | 10.18                 | 10.22                 | 0-1                          | 0        |
|                                      | 1       | 0         | 9.97                  | 9.91                  | 10.50                 |                              | 0        |
|                                      | 1       | 25        | 10.19                 | 10.03                 | 10.24                 |                              | 0        |
|                                      | 1       | 49        | 10.32                 | 9.94                  | 10.14                 | 0-2                          | 0        |
|                                      | 25      | 0         | 10.09                 | 10.00                 | 10.32                 |                              | 0        |
|                                      | 25      | 12        | 10.17                 | 9.97                  | 10.23                 |                              | 0        |
| 64QAM                                | 25      | 25        | 10.12                 | 9.94                  | 10.12                 | 0-2                          | 0        |
|                                      | 50      | 0         | 10.17                 | 10.01                 | 10.23                 |                              | 0        |
|                                      | 1       | 0         | 10.31                 | 9.75                  | 10.50                 |                              | 0-2      |
|                                      | 1       | 25        | 10.23                 | 10.16                 | 10.49                 | 0                            |          |
|                                      | 1       | 49        | 10.16                 | 10.03                 | 9.62                  | 0                            |          |
|                                      | 64QAM   | 25        | 0                     | 10.14                 | 9.85                  | 10.12                        | 0-3      |
| 25                                   |         | 12        | 10.23                 | 9.95                  | 10.01                 | 0                            |          |
| 25                                   |         | 25        | 10.23                 | 10.00                 | 9.86                  | 0                            |          |
| 50                                   |         | 0         | 10.20                 | 10.04                 | 10.02                 | 0                            |          |

**Table 8-202**  
**LTE Band 2 Conducted Powers Ant 4b - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 2 (PCS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 18625<br>(1852.5 MHz) | 18900<br>(1880.0 MHz) | 19175<br>(1907.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 10.13                 | 9.85                  | 10.14                 | 0                            | 0        |
|                                     | 1       | 12        | 10.09                 | 9.83                  | 10.09                 |                              | 0        |
|                                     | 1       | 24        | 10.10                 | 9.82                  | 10.07                 |                              | 0        |
|                                     | 12      | 0         | 10.12                 | 10.00                 | 10.16                 | 0-1                          | 0        |
|                                     | 12      | 6         | 10.14                 | 9.98                  | 10.13                 |                              | 0        |
|                                     | 12      | 13        | 10.14                 | 10.00                 | 10.10                 |                              | 0        |
| 16QAM                               | 25      | 0         | 10.13                 | 10.01                 | 10.15                 | 0-1                          | 0        |
|                                     | 1       | 0         | 10.32                 | 10.08                 | 10.41                 |                              | 0        |
|                                     | 1       | 12        | 10.18                 | 10.01                 | 10.31                 |                              | 0        |
|                                     | 1       | 24        | 10.26                 | 9.95                  | 10.19                 | 0-2                          | 0        |
|                                     | 12      | 0         | 10.09                 | 10.09                 | 10.17                 |                              | 0        |
|                                     | 12      | 6         | 10.09                 | 10.07                 | 10.16                 |                              | 0        |
| 64QAM                               | 12      | 13        | 10.16                 | 9.98                  | 10.04                 | 0-2                          | 0        |
|                                     | 25      | 0         | 10.11                 | 10.07                 | 10.10                 |                              | 0        |
|                                     | 1       | 0         | 10.19                 | 10.12                 | 10.50                 |                              | 0-2      |
|                                     | 1       | 12        | 10.19                 | 10.15                 | 10.31                 | 0                            |          |
|                                     | 1       | 24        | 10.30                 | 10.27                 | 9.88                  | 0                            |          |
|                                     | 64QAM   | 12        | 0                     | 10.01                 | 9.88                  | 9.95                         | 0-3      |
| 12                                  |         | 6         | 10.14                 | 9.81                  | 9.92                  | 0                            |          |
| 12                                  |         | 13        | 10.23                 | 9.90                  | 9.71                  | 0                            |          |
| 25                                  |         | 0         | 10.10                 | 9.93                  | 9.91                  |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 145 of 284                 |

**Table 8-203**  
**LTE Band 2 Conducted Powers Ant 4b - 3 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 2 (PCS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 18615<br>(1851.5 MHz) | 18900<br>(1880.0 MHz) | 19185<br>(1908.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 10.01                 | 9.87                  | 9.96                  | 0                            | 0        |
|                                     | 1       | 7         | 10.10                 | 9.88                  | 9.98                  |                              | 0        |
|                                     | 1       | 14        | 10.06                 | 9.85                  | 9.96                  |                              | 0        |
|                                     | 8       | 0         | 10.11                 | 9.96                  | 10.05                 | 0-1                          | 0        |
|                                     | 8       | 4         | 10.18                 | 9.97                  | 10.02                 |                              | 0        |
|                                     | 8       | 7         | 10.18                 | 9.99                  | 10.00                 |                              | 0        |
| 16QAM                               | 15      | 0         | 10.18                 | 9.98                  | 10.01                 | 0-1                          | 0        |
|                                     | 1       | 0         | 10.18                 | 9.76                  | 9.99                  |                              | 0        |
|                                     | 1       | 7         | 10.23                 | 9.91                  | 10.05                 |                              | 0        |
|                                     | 1       | 14        | 10.17                 | 9.92                  | 10.10                 | 0-2                          | 0        |
|                                     | 8       | 0         | 10.06                 | 9.91                  | 10.02                 |                              | 0        |
|                                     | 8       | 4         | 10.18                 | 9.87                  | 9.99                  |                              | 0        |
| 64QAM                               | 8       | 7         | 10.14                 | 9.89                  | 9.95                  | 0-2                          | 0        |
|                                     | 15      | 0         | 10.09                 | 9.93                  | 9.92                  |                              | 0        |
|                                     | 1       | 0         | 10.23                 | 9.74                  | 10.11                 |                              | 0-2      |
|                                     | 1       | 7         | 10.28                 | 9.91                  | 9.94                  | 0                            |          |
|                                     | 1       | 14        | 10.16                 | 9.98                  | 9.75                  | 0                            |          |
|                                     | 8       | 0         | 10.14                 | 9.80                  | 9.93                  | 0-3                          | 0        |
| 8                                   | 4       | 10.14     | 9.83                  | 9.69                  | 0                     |                              |          |
| 8                                   | 7       | 10.19     | 9.85                  | 9.67                  | 0                     |                              |          |
|                                     | 15      | 0         | 10.07                 | 9.83                  | 9.69                  |                              | 0        |

**Table 8-204**  
**LTE Band 2 Conducted Powers Ant 4b - 1.4 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 2 (PCS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 18607<br>(1850.7 MHz) | 18900<br>(1880.0 MHz) | 19193<br>(1909.3 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 10.17                 | 9.93                  | 10.10                 | 0                            | 0        |
|                                       | 1       | 2         | 10.12                 | 9.90                  | 10.08                 |                              | 0        |
|                                       | 1       | 5         | 10.14                 | 9.96                  | 10.06                 |                              | 0        |
|                                       | 3       | 0         | 10.05                 | 9.87                  | 9.97                  |                              | 0        |
|                                       | 3       | 2         | 10.03                 | 9.88                  | 9.98                  |                              | 0        |
|                                       | 3       | 3         | 10.01                 | 9.89                  | 9.99                  |                              | 0        |
|                                       | 6       | 0         | 10.01                 | 9.86                  | 9.93                  | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 10.39                 | 10.11                 | 10.27                 | 0-1                          | 0        |
|                                       | 1       | 2         | 10.26                 | 9.98                  | 10.22                 |                              | 0        |
|                                       | 1       | 5         | 10.31                 | 10.12                 | 10.19                 |                              | 0        |
|                                       | 3       | 0         | 10.18                 | 10.03                 | 10.07                 |                              | 0        |
|                                       | 3       | 2         | 10.12                 | 9.99                  | 10.08                 |                              | 0        |
|                                       | 3       | 3         | 10.24                 | 10.00                 | 10.13                 |                              | 0        |
|                                       | 6       | 0         | 10.11                 | 10.05                 | 9.93                  | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 10.09                 | 9.91                  | 9.65                  | 0-2                          | 0        |
|                                       | 1       | 2         | 10.17                 | 9.82                  | 9.86                  |                              | 0        |
|                                       | 1       | 5         | 10.22                 | 9.83                  | 9.65                  |                              | 0        |
|                                       | 3       | 0         | 10.08                 | 9.78                  | 9.64                  |                              | 0        |
|                                       | 3       | 2         | 10.13                 | 9.78                  | 9.58                  |                              | 0        |
|                                       | 3       | 3         | 10.15                 | 9.68                  | 9.56                  |                              | 0        |
|                                       | 6       | 0         | 10.07                 | 9.75                  | 9.54                  | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |  |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  |  | Page 146 of 284                 |

## 8.3.8

## LTE Band 25

**Table 8-205**  
**LTE Band 25 Conducted Powers Ant 2a - 20 MHz Bandwidth**

| LTE Band 25 (PCS)<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26140<br>(1860.0 MHz) | 26365<br>(1882.5 MHz) | 26590<br>(1905.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 14.77                 | 14.61                 | 14.78                 | 0                            | 0        |
|                                       | 1       | 50        | 14.88                 | 14.52                 | 14.96                 |                              | 0        |
|                                       | 1       | 99        | 14.94                 | 14.72                 | 14.88                 |                              | 0        |
|                                       | 50      | 0         | 14.75                 | 14.65                 | 14.80                 | 0-1                          | 0        |
|                                       | 50      | 25        | 14.85                 | 14.66                 | 14.91                 |                              | 0        |
|                                       | 50      | 50        | 14.95                 | 14.85                 | 14.98                 |                              | 0        |
|                                       | 100     | 0         | 14.92                 | 14.70                 | 14.95                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 14.74                 | 14.68                 | 14.77                 | 0-1                          | 0        |
|                                       | 1       | 50        | 14.90                 | 14.63                 | 14.89                 |                              | 0        |
|                                       | 1       | 99        | 15.00                 | 14.86                 | 14.87                 |                              | 0        |
|                                       | 50      | 0         | 14.45                 | 14.41                 | 14.59                 | 0-2                          | 0        |
|                                       | 50      | 25        | 14.61                 | 14.43                 | 14.66                 |                              | 0        |
|                                       | 50      | 50        | 14.71                 | 14.66                 | 14.69                 |                              | 0        |
|                                       | 100     | 0         | 14.67                 | 14.49                 | 14.73                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 14.24                 | 14.37                 | 14.47                 | 0-2                          | 0        |
|                                       | 1       | 50        | 14.28                 | 14.35                 | 14.56                 |                              | 0        |
|                                       | 1       | 99        | 14.39                 | 14.47                 | 14.45                 |                              | 0        |
|                                       | 50      | 0         | 14.35                 | 14.27                 | 14.49                 | 0-3                          | 0        |
|                                       | 50      | 25        | 14.43                 | 14.41                 | 14.68                 |                              | 0        |
|                                       | 50      | 50        | 14.44                 | 14.50                 | 14.75                 |                              | 0        |
|                                       | 100     | 0         | 14.46                 | 14.42                 | 14.76                 |                              | 0        |

**Table 8-206**  
**LTE Band 25 Conducted Powers Ant 2a - 15 MHz Bandwidth**

| LTE Band 25 (PCS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26115<br>(1857.5 MHz) | 26365<br>(1882.5 MHz) | 26615<br>(1907.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 14.36                 | 14.48                 | 14.62                 | 0                            | 0        |
|                                       | 1       | 36        | 14.50                 | 14.49                 | 14.66                 |                              | 0        |
|                                       | 1       | 74        | 14.44                 | 14.63                 | 14.62                 |                              | 0        |
|                                       | 36      | 0         | 14.47                 | 14.46                 | 14.77                 | 0-1                          | 0        |
|                                       | 36      | 18        | 14.66                 | 14.54                 | 14.90                 |                              | 0        |
|                                       | 36      | 37        | 14.61                 | 14.72                 | 14.87                 |                              | 0        |
|                                       | 75      | 0         | 14.68                 | 14.62                 | 14.99                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 14.60                 | 14.77                 | 14.84                 | 0-1                          | 0        |
|                                       | 1       | 36        | 14.82                 | 14.59                 | 15.00                 |                              | 0        |
|                                       | 1       | 74        | 14.63                 | 14.98                 | 14.97                 |                              | 0        |
|                                       | 36      | 0         | 14.38                 | 14.28                 | 14.57                 | 0-2                          | 0        |
|                                       | 36      | 18        | 14.56                 | 14.40                 | 14.87                 |                              | 0        |
|                                       | 36      | 37        | 14.49                 | 14.59                 | 14.75                 |                              | 0        |
|                                       | 75      | 0         | 14.55                 | 14.45                 | 14.85                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 14.19                 | 14.29                 | 14.32                 | 0-2                          | 0        |
|                                       | 1       | 36        | 14.37                 | 14.24                 | 14.75                 |                              | 0        |
|                                       | 1       | 74        | 14.27                 | 14.37                 | 14.52                 |                              | 0        |
|                                       | 36      | 0         | 14.35                 | 14.24                 | 14.49                 | 0-3                          | 0        |
|                                       | 36      | 18        | 14.53                 | 14.31                 | 14.79                 |                              | 0        |
|                                       | 36      | 37        | 14.47                 | 14.48                 | 14.70                 |                              | 0        |
|                                       | 75      | 0         | 14.53                 | 14.38                 | 14.84                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 147 of 284                        |

**Table 8-207**  
**LTE Band 25 Conducted Powers Ant 2a - 10 MHz Bandwidth**

| LTE Band 25 (PCS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26090<br>(1855.0 MHz) | 26365<br>(1882.5 MHz) | 26640<br>(1910.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 14.61                 | 14.42                 | 14.87                 | 0                            | 0        |
|                                       | 1       | 25        | 14.49                 | 14.47                 | 14.87                 |                              | 0        |
|                                       | 1       | 49        | 14.67                 | 14.63                 | 14.72                 |                              | 0        |
|                                       | 25      | 0         | 14.54                 | 14.41                 | 15.00                 | 0-1                          | 0        |
|                                       | 25      | 12        | 14.48                 | 14.45                 | 14.89                 |                              | 0        |
|                                       | 25      | 25        | 14.43                 | 14.41                 | 14.51                 |                              | 0        |
|                                       | 50      | 0         | 14.29                 | 14.39                 | 14.71                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 14.78                 | 14.49                 | 15.00                 | 0-1                          | 0        |
|                                       | 1       | 25        | 14.66                 | 14.49                 | 14.98                 |                              | 0        |
|                                       | 1       | 49        | 14.84                 | 14.67                 | 14.97                 |                              | 0        |
|                                       | 25      | 0         | 14.47                 | 14.25                 | 14.83                 | 0-2                          | 0        |
|                                       | 25      | 12        | 14.38                 | 14.30                 | 14.71                 |                              | 0        |
|                                       | 25      | 25        | 14.53                 | 14.46                 | 14.52                 |                              | 0        |
|                                       | 50      | 0         | 14.40                 | 14.41                 | 14.73                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 14.46                 | 14.30                 | 14.72                 | 0-2                          | 0        |
|                                       | 1       | 25        | 14.38                 | 14.34                 | 14.70                 |                              | 0        |
|                                       | 1       | 49        | 14.57                 | 14.46                 | 14.51                 |                              | 0        |
|                                       | 25      | 0         | 14.41                 | 14.28                 | 14.84                 | 0-3                          | 0        |
|                                       | 25      | 12        | 14.37                 | 14.31                 | 14.73                 |                              | 0        |
|                                       | 25      | 25        | 14.51                 | 14.45                 | 14.52                 |                              | 0        |
|                                       | 50      | 0         | 14.37                 | 14.42                 | 14.72                 |                              | 0        |

**Table 8-208**  
**LTE Band 25 Conducted Powers Ant 2a - 5 MHz Bandwidth**

| LTE Band 25 (PCS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 26065<br>(1852.5 MHz) | 26365<br>(1882.5 MHz) | 26665<br>(1912.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 14.52                 | 14.34                 | 14.69                 | 0                            | 0        |
|                                      | 1       | 12        | 14.47                 | 14.45                 | 14.52                 |                              | 0        |
|                                      | 1       | 24        | 14.43                 | 14.52                 | 14.68                 |                              | 0        |
|                                      | 12      | 0         | 14.57                 | 14.48                 | 14.63                 | 0-1                          | 0        |
|                                      | 12      | 6         | 14.55                 | 14.45                 | 14.57                 |                              | 0        |
|                                      | 12      | 13        | 14.40                 | 14.57                 | 14.64                 |                              | 0        |
|                                      | 25      | 0         | 14.57                 | 14.59                 | 14.60                 |                              | 0        |
| 16QAM                                | 1       | 0         | 14.65                 | 14.42                 | 14.75                 | 0-1                          | 0        |
|                                      | 1       | 12        | 14.58                 | 14.60                 | 14.70                 |                              | 0        |
|                                      | 1       | 24        | 14.58                 | 14.72                 | 14.68                 |                              | 0        |
|                                      | 12      | 0         | 14.37                 | 14.26                 | 14.53                 | 0-2                          | 0        |
|                                      | 12      | 6         | 14.36                 | 14.22                 | 14.42                 |                              | 0        |
|                                      | 12      | 13        | 14.24                 | 14.34                 | 14.47                 |                              | 0        |
|                                      | 25      | 0         | 14.38                 | 14.35                 | 14.43                 |                              | 0        |
| 64QAM                                | 1       | 0         | 14.71                 | 14.64                 | 14.86                 | 0-2                          | 0        |
|                                      | 1       | 12        | 14.64                 | 14.62                 | 14.60                 |                              | 0        |
|                                      | 1       | 24        | 14.58                 | 14.82                 | 14.99                 |                              | 0        |
|                                      | 12      | 0         | 14.38                 | 14.37                 | 14.57                 | 0-3                          | 0        |
|                                      | 12      | 6         | 14.38                 | 14.31                 | 14.55                 |                              | 0        |
|                                      | 12      | 13        | 14.25                 | 14.44                 | 14.56                 |                              | 0        |
|                                      | 25      | 0         | 14.41                 | 14.41                 | 14.54                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 148 of 284                        |

**Table 8-209**  
**LTE Band 25 Conducted Powers Ant 2a - 3 MHz Bandwidth**

| LTE Band 25 (PCS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 26055<br>(1851.5 MHz) | 26365<br>(1882.5 MHz) | 26675<br>(1913.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 14.55                 | 14.31                 | 14.46                 | 0                            | 0        |
|                                      | 1       | 7         | 14.60                 | 14.51                 | 14.58                 |                              | 0        |
|                                      | 1       | 14        | 14.50                 | 14.47                 | 14.57                 |                              | 0        |
|                                      | 8       | 0         | 14.50                 | 14.47                 | 14.55                 | 0-1                          | 0        |
|                                      | 8       | 4         | 14.51                 | 14.53                 | 14.56                 |                              | 0        |
|                                      | 8       | 7         | 14.51                 | 14.55                 | 14.57                 |                              | 0        |
|                                      | 15      | 0         | 14.51                 | 14.58                 | 14.61                 |                              | 0        |
| 16QAM                                | 1       | 0         | 14.79                 | 14.70                 | 14.74                 | 0-1                          | 0        |
|                                      | 1       | 7         | 14.70                 | 14.61                 | 14.96                 |                              | 0        |
|                                      | 1       | 14        | 14.52                 | 14.85                 | 14.99                 |                              | 0        |
|                                      | 8       | 0         | 14.42                 | 14.34                 | 14.49                 | 0-2                          | 0        |
|                                      | 8       | 4         | 14.41                 | 14.44                 | 14.49                 |                              | 0        |
|                                      | 8       | 7         | 14.45                 | 14.41                 | 14.53                 |                              | 0        |
|                                      | 15      | 0         | 14.39                 | 14.40                 | 14.52                 |                              | 0        |
| 64QAM                                | 1       | 0         | 14.74                 | 14.37                 | 14.91                 | 0-2                          | 0        |
|                                      | 1       | 7         | 14.90                 | 14.75                 | 14.83                 |                              | 0        |
|                                      | 1       | 14        | 14.86                 | 14.85                 | 14.95                 |                              | 0        |
|                                      | 8       | 0         | 14.34                 | 14.24                 | 14.54                 | 0-3                          | 0        |
|                                      | 8       | 4         | 14.40                 | 14.35                 | 14.55                 |                              | 0        |
|                                      | 8       | 7         | 14.44                 | 14.41                 | 14.54                 |                              | 0        |
|                                      | 15      | 0         | 14.42                 | 14.37                 | 14.58                 |                              | 0        |

**Table 8-210**  
**LTE Band 25 Conducted Powers Ant 2a - 1.4 MHz Bandwidth**

| LTE Band 25 (PCS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|----------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 26047<br>(1850.7 MHz) | 26365<br>(1882.5 MHz) | 26683<br>(1914.3 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                   | 1       | 0         | 14.58                 | 14.43                 | 14.77                 | 0                            | 0        |
|                                        | 1       | 2         | 14.49                 | 14.40                 | 14.75                 |                              | 0        |
|                                        | 1       | 5         | 14.53                 | 14.52                 | 14.83                 |                              | 0        |
|                                        | 3       | 0         | 14.46                 | 14.44                 | 14.62                 |                              | 0        |
|                                        | 3       | 2         | 14.41                 | 14.55                 | 14.63                 |                              | 0        |
|                                        | 3       | 3         | 14.42                 | 14.54                 | 14.68                 |                              | 0        |
|                                        | 6       | 0         | 14.46                 | 14.55                 | 14.65                 | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 14.89                 | 14.77                 | 14.84                 | 0-1                          | 0        |
|                                        | 1       | 2         | 14.90                 | 14.52                 | 14.98                 |                              | 0        |
|                                        | 1       | 5         | 14.75                 | 14.91                 | 14.87                 |                              | 0        |
|                                        | 3       | 0         | 14.44                 | 14.37                 | 14.55                 |                              | 0        |
|                                        | 3       | 2         | 14.36                 | 14.41                 | 14.53                 |                              | 0        |
|                                        | 3       | 3         | 14.45                 | 14.48                 | 14.61                 |                              | 0        |
|                                        | 6       | 0         | 14.38                 | 14.49                 | 14.53                 | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 14.91                 | 14.74                 | 14.98                 | 0-2                          | 0        |
|                                        | 1       | 2         | 14.93                 | 14.64                 | 14.92                 |                              | 0        |
|                                        | 1       | 5         | 14.69                 | 14.44                 | 14.81                 |                              | 0        |
|                                        | 3       | 0         | 14.45                 | 14.28                 | 14.69                 |                              | 0        |
|                                        | 3       | 2         | 14.41                 | 14.36                 | 14.63                 |                              | 0        |
|                                        | 3       | 3         | 14.41                 | 14.30                 | 14.70                 |                              | 0        |
|                                        | 6       | 0         | 14.41                 | 14.39                 | 14.65                 | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 149 of 284                 |

**Table 8-211**  
**LTE Band 25 Conducted Powers Ant 2b - 20 MHz Bandwidth**

| LTE Band 25 (PCS)<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26140<br>(1860.0 MHz) | 26365<br>(1882.5 MHz) | 26590<br>(1905.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 13.35                 | 13.18                 | 13.52                 | 0                            | 0        |
|                                       | 1       | 50        | 13.31                 | 13.22                 | 13.76                 |                              | 0        |
|                                       | 1       | 99        | 13.51                 | 13.52                 | 13.64                 |                              | 0        |
|                                       | 50      | 0         | 13.28                 | 13.24                 | 13.61                 | 0-1                          | 0        |
|                                       | 50      | 25        | 13.31                 | 13.36                 | 13.75                 |                              | 0        |
|                                       | 50      | 50        | 13.49                 | 13.52                 | 13.84                 |                              | 0        |
|                                       | 100     | 0         | 13.41                 | 13.43                 | 13.75                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 13.55                 | 13.49                 | 13.55                 | 0-1                          | 0        |
|                                       | 1       | 50        | 13.67                 | 13.62                 | 13.79                 |                              | 0        |
|                                       | 1       | 99        | 13.83                 | 13.91                 | 13.89                 |                              | 0        |
|                                       | 50      | 0         | 13.32                 | 13.23                 | 13.59                 | 0-2                          | 0        |
|                                       | 50      | 25        | 13.36                 | 13.35                 | 13.71                 |                              | 0        |
|                                       | 50      | 50        | 13.50                 | 13.57                 | 13.79                 |                              | 0        |
|                                       | 100     | 0         | 13.45                 | 13.42                 | 13.82                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 13.51                 | 13.64                 | 13.55                 | 0-2                          | 0        |
|                                       | 1       | 50        | 13.60                 | 13.55                 | 13.90                 |                              | 0        |
|                                       | 1       | 99        | 13.67                 | 13.82                 | 13.75                 |                              | 0        |
|                                       | 50      | 0         | 13.35                 | 13.29                 | 13.50                 | 0-3                          | 0        |
|                                       | 50      | 25        | 13.40                 | 13.39                 | 13.81                 |                              | 0        |
|                                       | 50      | 50        | 13.49                 | 13.48                 | 13.82                 |                              | 0        |
|                                       | 100     | 0         | 13.46                 | 13.41                 | 13.86                 |                              | 0        |

**Table 8-212**  
**LTE Band 25 Conducted Powers Ant 2b - 15 MHz Bandwidth**

| LTE Band 25 (PCS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26115<br>(1857.5 MHz) | 26365<br>(1882.5 MHz) | 26615<br>(1907.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 13.25                 | 13.47                 | 13.40                 | 0                            | 0        |
|                                       | 1       | 36        | 13.22                 | 13.47                 | 13.76                 |                              | 0        |
|                                       | 1       | 74        | 13.54                 | 13.76                 | 13.67                 |                              | 0        |
|                                       | 36      | 0         | 13.13                 | 13.38                 | 13.54                 | 0-1                          | 0        |
|                                       | 36      | 18        | 13.25                 | 13.38                 | 13.88                 |                              | 0        |
|                                       | 36      | 37        | 13.42                 | 13.57                 | 13.82                 |                              | 0        |
|                                       | 75      | 0         | 13.29                 | 13.42                 | 13.90                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 13.39                 | 13.62                 | 13.41                 | 0-1                          | 0        |
|                                       | 1       | 36        | 13.44                 | 13.47                 | 13.80                 |                              | 0        |
|                                       | 1       | 74        | 13.80                 | 13.86                 | 13.82                 |                              | 0        |
|                                       | 36      | 0         | 13.16                 | 13.42                 | 13.46                 | 0-2                          | 0        |
|                                       | 36      | 18        | 13.31                 | 13.48                 | 13.81                 |                              | 0        |
|                                       | 36      | 37        | 13.45                 | 13.61                 | 13.77                 |                              | 0        |
|                                       | 75      | 0         | 13.32                 | 13.44                 | 13.85                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 13.46                 | 13.38                 | 13.61                 | 0-2                          | 0        |
|                                       | 1       | 36        | 13.53                 | 13.55                 | 14.00                 |                              | 0        |
|                                       | 1       | 74        | 13.45                 | 13.64                 | 13.75                 |                              | 0        |
|                                       | 36      | 0         | 13.12                 | 13.18                 | 13.55                 | 0-3                          | 0        |
|                                       | 36      | 18        | 13.32                 | 13.31                 | 13.71                 |                              | 0        |
|                                       | 36      | 37        | 13.24                 | 13.37                 | 13.56                 |                              | 0        |
|                                       | 75      | 0         | 13.32                 | 13.24                 | 13.74                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 150 of 284                 |

**Table 8-213**  
**LTE Band 25 Conducted Powers Ant 2b - 10 MHz Bandwidth**

| LTE Band 25 (PCS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26090<br>(1855.0 MHz) | 26365<br>(1882.5 MHz) | 26640<br>(1910.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 13.29                 | 13.35                 | 13.52                 | 0                            | 0        |
|                                       | 1       | 25        | 13.06                 | 13.33                 | 13.72                 |                              | 0        |
|                                       | 1       | 49        | 13.24                 | 13.57                 | 13.63                 |                              | 0        |
|                                       | 25      | 0         | 13.23                 | 13.28                 | 13.81                 | 0-1                          | 0        |
|                                       | 25      | 12        | 13.14                 | 13.39                 | 13.81                 |                              | 0        |
|                                       | 25      | 25        | 13.21                 | 13.56                 | 13.68                 |                              | 0        |
|                                       | 50      | 0         | 13.17                 | 13.40                 | 13.82                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 13.40                 | 13.65                 | 13.66                 | 0-1                          | 0        |
|                                       | 1       | 25        | 13.27                 | 13.60                 | 13.78                 |                              | 0        |
|                                       | 1       | 49        | 13.51                 | 13.84                 | 13.96                 |                              | 0        |
|                                       | 25      | 0         | 13.30                 | 13.44                 | 13.80                 | 0-2                          | 0        |
|                                       | 25      | 12        | 13.21                 | 13.53                 | 13.79                 |                              | 0        |
|                                       | 25      | 25        | 13.30                 | 13.69                 | 13.72                 |                              | 0        |
|                                       | 50      | 0         | 13.23                 | 13.53                 | 13.84                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 13.41                 | 13.40                 | 13.89                 | 0-2                          | 0        |
|                                       | 1       | 25        | 13.32                 | 13.47                 | 13.89                 |                              | 0        |
|                                       | 1       | 49        | 13.52                 | 13.61                 | 13.94                 |                              | 0        |
|                                       | 25      | 0         | 13.15                 | 13.08                 | 13.71                 | 0-3                          | 0        |
|                                       | 25      | 12        | 13.11                 | 13.13                 | 13.59                 |                              | 0        |
|                                       | 25      | 25        | 13.29                 | 13.19                 | 13.43                 |                              | 0        |
|                                       | 50      | 0         | 13.19                 | 13.19                 | 13.56                 |                              | 0        |

**Table 8-214**  
**LTE Band 25 Conducted Powers Ant 2b - 5 MHz Bandwidth**

| LTE Band 25 (PCS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 26065<br>(1852.5 MHz) | 26365<br>(1882.5 MHz) | 26665<br>(1912.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 13.31                 | 13.36                 | 13.68                 | 0                            | 0        |
|                                      | 1       | 12        | 13.19                 | 13.44                 | 13.52                 |                              | 0        |
|                                      | 1       | 24        | 13.20                 | 13.62                 | 13.64                 |                              | 0        |
|                                      | 12      | 0         | 13.26                 | 13.39                 | 13.70                 | 0-1                          | 0        |
|                                      | 12      | 6         | 13.16                 | 13.42                 | 13.63                 |                              | 0        |
|                                      | 12      | 13        | 13.03                 | 13.50                 | 13.69                 |                              | 0        |
|                                      | 25      | 0         | 13.17                 | 13.43                 | 13.65                 |                              | 0        |
| 16QAM                                | 1       | 0         | 13.45                 | 13.51                 | 13.85                 | 0-1                          | 0        |
|                                      | 1       | 12        | 13.26                 | 13.66                 | 13.81                 |                              | 0        |
|                                      | 1       | 24        | 13.50                 | 13.79                 | 13.84                 |                              | 0        |
|                                      | 12      | 0         | 13.38                 | 13.46                 | 13.76                 | 0-2                          | 0        |
|                                      | 12      | 6         | 13.28                 | 13.51                 | 13.69                 |                              | 0        |
|                                      | 12      | 13        | 13.25                 | 13.58                 | 13.82                 |                              | 0        |
|                                      | 25      | 0         | 13.19                 | 13.54                 | 13.74                 |                              | 0        |
| 64QAM                                | 1       | 0         | 13.40                 | 13.51                 | 13.95                 | 0-2                          | 0        |
|                                      | 1       | 12        | 13.61                 | 13.48                 | 13.89                 |                              | 0        |
|                                      | 1       | 24        | 13.27                 | 13.53                 | 13.74                 |                              | 0        |
|                                      | 12      | 0         | 13.18                 | 13.11                 | 13.57                 | 0-3                          | 0        |
|                                      | 12      | 6         | 13.11                 | 13.22                 | 13.49                 |                              | 0        |
|                                      | 12      | 13        | 13.06                 | 13.22                 | 13.49                 |                              | 0        |
|                                      | 25      | 0         | 13.15                 | 13.20                 | 13.46                 |                              | 0        |

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 151 of 284                        |

**Table 8-215**  
**LTE Band 25 Conducted Powers Ant 2b - 3 MHz Bandwidth**

| LTE Band 25 (PCS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 26055<br>(1851.5 MHz) | 26365<br>(1882.5 MHz) | 26675<br>(1913.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 13.21                 | 13.24                 | 13.48                 | 0                            | 0        |
|                                      | 1       | 7         | 13.29                 | 13.31                 | 13.61                 |                              | 0        |
|                                      | 1       | 14        | 13.21                 | 13.35                 | 13.55                 |                              | 0        |
|                                      | 8       | 0         | 13.26                 | 13.31                 | 13.66                 | 0-1                          | 0        |
|                                      | 8       | 4         | 13.27                 | 13.34                 | 13.69                 |                              | 0        |
|                                      | 8       | 7         | 13.18                 | 13.41                 | 13.70                 |                              | 0        |
|                                      | 15      | 0         | 13.29                 | 13.37                 | 13.70                 |                              | 0        |
| 16QAM                                | 1       | 0         | 13.34                 | 13.44                 | 13.63                 | 0-1                          | 0        |
|                                      | 1       | 7         | 13.39                 | 13.45                 | 13.79                 |                              | 0        |
|                                      | 1       | 14        | 13.40                 | 13.61                 | 13.77                 |                              | 0        |
|                                      | 8       | 0         | 13.27                 | 13.38                 | 13.66                 | 0-2                          | 0        |
|                                      | 8       | 4         | 13.26                 | 13.42                 | 13.75                 |                              | 0        |
|                                      | 8       | 7         | 13.21                 | 13.45                 | 13.82                 |                              | 0        |
|                                      | 15      | 0         | 13.27                 | 13.43                 | 13.75                 |                              | 0        |
| 64QAM                                | 1       | 0         | 13.30                 | 13.32                 | 13.77                 | 0-2                          | 0        |
|                                      | 1       | 7         | 13.29                 | 13.41                 | 13.72                 |                              | 0        |
|                                      | 1       | 14        | 13.24                 | 13.43                 | 13.70                 |                              | 0        |
|                                      | 8       | 0         | 13.04                 | 13.15                 | 13.40                 | 0-3                          | 0        |
|                                      | 8       | 4         | 13.05                 | 13.12                 | 13.45                 |                              | 0        |
|                                      | 8       | 7         | 13.07                 | 13.14                 | 13.38                 |                              | 0        |
|                                      | 15      | 0         | 13.11                 | 13.18                 | 13.43                 |                              | 0        |

**Table 8-216**  
**LTE Band 25 Conducted Powers Ant 2b - 1.4 MHz Bandwidth**

| LTE Band 25 (PCS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|----------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 26047<br>(1850.7 MHz) | 26365<br>(1882.5 MHz) | 26683<br>(1914.3 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                   | 1       | 0         | 13.26                 | 13.30                 | 13.86                 | 0                            | 0        |
|                                        | 1       | 2         | 13.18                 | 13.29                 | 13.85                 |                              | 0        |
|                                        | 1       | 5         | 13.26                 | 13.29                 | 13.87                 |                              | 0        |
|                                        | 3       | 0         | 13.27                 | 13.35                 | 13.71                 |                              | 0        |
|                                        | 3       | 2         | 13.23                 | 13.34                 | 13.71                 |                              | 0        |
|                                        | 3       | 3         | 13.25                 | 13.33                 | 13.71                 |                              | 0        |
|                                        | 6       | 0         | 13.22                 | 13.35                 | 13.69                 | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 13.38                 | 13.57                 | 13.91                 | 0-1                          | 0        |
|                                        | 1       | 2         | 13.35                 | 13.47                 | 13.99                 |                              | 0        |
|                                        | 1       | 5         | 13.43                 | 13.56                 | 14.00                 |                              | 0        |
|                                        | 3       | 0         | 13.34                 | 13.45                 | 13.77                 |                              | 0        |
|                                        | 3       | 2         | 13.28                 | 13.50                 | 13.79                 |                              | 0        |
|                                        | 3       | 3         | 13.32                 | 13.46                 | 13.84                 |                              | 0        |
|                                        | 6       | 0         | 13.29                 | 13.40                 | 13.79                 | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 13.70                 | 13.50                 | 13.90                 | 0-2                          | 0        |
|                                        | 1       | 2         | 13.58                 | 13.54                 | 13.77                 |                              | 0        |
|                                        | 1       | 5         | 13.60                 | 13.58                 | 13.83                 |                              | 0        |
|                                        | 3       | 0         | 13.25                 | 13.28                 | 13.51                 |                              | 0        |
|                                        | 3       | 2         | 13.22                 | 13.24                 | 13.40                 |                              | 0        |
|                                        | 3       | 3         | 13.29                 | 13.30                 | 13.42                 |                              | 0        |
|                                        | 6       | 0         | 13.26                 | 13.17                 | 13.36                 | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 152 of 284                 |

**Table 8-217**  
**LTE Band 25 Conducted Powers Ant 4a - 20 MHz Bandwidth**

| LTE Band 25 (PCS)<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26140<br>(1860.0 MHz) | 26365<br>(1882.5 MHz) | 26590<br>(1905.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 14.63                 | 14.40                 | 14.43                 | 0                            | 0        |
|                                       | 1       | 50        | 14.46                 | 14.23                 | 14.23                 |                              | 0        |
|                                       | 1       | 99        | 14.59                 | 14.53                 | 14.66                 |                              | 0        |
|                                       | 50      | 0         | 14.33                 | 14.30                 | 14.47                 | 0-1                          | 0        |
|                                       | 50      | 25        | 14.28                 | 14.22                 | 14.31                 |                              | 0        |
|                                       | 50      | 50        | 14.30                 | 14.27                 | 14.42                 |                              | 0        |
|                                       | 100     | 0         | 14.27                 | 14.20                 | 14.34                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 14.61                 | 14.60                 | 14.65                 | 0-1                          | 0        |
|                                       | 1       | 50        | 14.52                 | 14.35                 | 14.50                 |                              | 0        |
|                                       | 1       | 99        | 14.72                 | 14.57                 | 14.80                 |                              | 0        |
|                                       | 50      | 0         | 14.00                 | 13.93                 | 14.08                 | 0-2                          | 0        |
|                                       | 50      | 25        | 13.85                 | 13.85                 | 13.99                 |                              | 0        |
|                                       | 50      | 50        | 13.95                 | 13.82                 | 13.99                 |                              | 0        |
|                                       | 100     | 0         | 13.87                 | 13.80                 | 14.00                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 14.38                 | 14.62                 | 14.60                 | 0-2                          | 0        |
|                                       | 1       | 50        | 14.28                 | 14.42                 | 14.40                 |                              | 0        |
|                                       | 1       | 99        | 14.40                 | 14.70                 | 14.70                 |                              | 0        |
|                                       | 50      | 0         | 14.18                 | 14.25                 | 14.50                 | 0-3                          | 0        |
|                                       | 50      | 25        | 14.16                 | 14.18                 | 14.30                 |                              | 0        |
|                                       | 50      | 50        | 14.20                 | 14.28                 | 14.31                 |                              | 0        |
|                                       | 100     | 0         | 14.16                 | 14.21                 | 14.29                 |                              | 0        |

**Table 8-218**  
**LTE Band 25 Conducted Powers Ant 4a - 15 MHz Bandwidth**

| LTE Band 25 (PCS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26115<br>(1857.5 MHz) | 26365<br>(1882.5 MHz) | 26615<br>(1907.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 14.18                 | 14.30                 | 14.33                 | 0                            | 0        |
|                                       | 1       | 36        | 14.05                 | 14.10                 | 14.14                 |                              | 0        |
|                                       | 1       | 74        | 14.08                 | 14.23                 | 14.45                 |                              | 0        |
|                                       | 36      | 0         | 14.10                 | 14.12                 | 14.18                 | 0-1                          | 0        |
|                                       | 36      | 18        | 14.12                 | 14.02                 | 14.17                 |                              | 0        |
|                                       | 36      | 37        | 14.07                 | 14.04                 | 14.40                 |                              | 0        |
|                                       | 75      | 0         | 14.07                 | 14.00                 | 14.17                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 14.35                 | 14.53                 | 14.46                 | 0-1                          | 0        |
|                                       | 1       | 36        | 14.18                 | 14.08                 | 14.27                 |                              | 0        |
|                                       | 1       | 74        | 14.12                 | 14.34                 | 14.55                 |                              | 0        |
|                                       | 36      | 0         | 14.10                 | 14.13                 | 14.19                 | 0-2                          | 0        |
|                                       | 36      | 18        | 14.11                 | 14.02                 | 14.20                 |                              | 0        |
|                                       | 36      | 37        | 14.06                 | 14.04                 | 14.35                 |                              | 0        |
|                                       | 75      | 0         | 14.04                 | 14.02                 | 14.15                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 14.37                 | 14.35                 | 14.63                 | 0-2                          | 0        |
|                                       | 1       | 36        | 14.33                 | 14.42                 | 14.44                 |                              | 0        |
|                                       | 1       | 74        | 14.34                 | 14.33                 | 14.58                 |                              | 0        |
|                                       | 36      | 0         | 14.12                 | 14.30                 | 14.33                 | 0-3                          | 0        |
|                                       | 36      | 18        | 14.17                 | 14.22                 | 14.29                 |                              | 0        |
|                                       | 36      | 37        | 14.16                 | 14.19                 | 14.44                 |                              | 0        |
|                                       | 75      | 0         | 14.09                 | 14.18                 | 14.23                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 153 of 284                 |

**Table 8-219**  
**LTE Band 25 Conducted Powers Ant 4a - 10 MHz Bandwidth**

| LTE Band 25 (PCS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26090<br>(1855.0 MHz) | 26365<br>(1882.5 MHz) | 26640<br>(1910.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 14.23                 | 14.13                 | 14.16                 | 0                            | 0        |
|                                       | 1       | 25        | 14.00                 | 13.93                 | 14.32                 |                              | 0        |
|                                       | 1       | 49        | 14.00                 | 13.96                 | 14.43                 |                              | 0        |
|                                       | 25      | 0         | 14.21                 | 14.03                 | 14.20                 | 0-1                          | 0        |
|                                       | 25      | 12        | 14.11                 | 14.02                 | 14.39                 |                              | 0        |
|                                       | 25      | 25        | 14.10                 | 13.95                 | 14.53                 |                              | 0        |
|                                       | 50      | 0         | 14.12                 | 14.01                 | 14.40                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 14.43                 | 14.32                 | 14.27                 | 0-1                          | 0        |
|                                       | 1       | 25        | 14.18                 | 14.04                 | 14.40                 |                              | 0        |
|                                       | 1       | 49        | 14.21                 | 14.06                 | 14.60                 |                              | 0        |
|                                       | 25      | 0         | 14.23                 | 14.03                 | 14.18                 | 0-2                          | 0        |
|                                       | 25      | 12        | 14.13                 | 14.02                 | 14.40                 |                              | 0        |
|                                       | 25      | 25        | 14.14                 | 13.96                 | 14.36                 |                              | 0        |
|                                       | 50      | 0         | 14.15                 | 14.04                 | 14.41                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 14.32                 | 14.36                 | 14.44                 | 0-2                          | 0        |
|                                       | 1       | 25        | 14.20                 | 14.17                 | 14.67                 |                              | 0        |
|                                       | 1       | 49        | 14.20                 | 14.15                 | 14.78                 |                              | 0        |
|                                       | 25      | 0         | 14.15                 | 14.07                 | 14.25                 | 0-3                          | 0        |
|                                       | 25      | 12        | 14.07                 | 14.09                 | 14.37                 |                              | 0        |
|                                       | 25      | 25        | 14.16                 | 14.06                 | 14.57                 |                              | 0        |
|                                       | 50      | 0         | 14.12                 | 14.11                 | 14.40                 |                              | 0        |

**Table 8-220**  
**LTE Band 25 Conducted Powers Ant 4a - 5 MHz Bandwidth**

| LTE Band 25 (PCS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 26065<br>(1852.5 MHz) | 26365<br>(1882.5 MHz) | 26665<br>(1912.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 14.17                 | 13.89                 | 14.38                 | 0                            | 0        |
|                                      | 1       | 12        | 14.10                 | 13.88                 | 14.40                 |                              | 0        |
|                                      | 1       | 24        | 13.99                 | 13.87                 | 14.30                 |                              | 0        |
|                                      | 12      | 0         | 14.19                 | 13.87                 | 14.47                 | 0-1                          | 0        |
|                                      | 12      | 6         | 14.12                 | 13.87                 | 14.47                 |                              | 0        |
|                                      | 12      | 13        | 14.04                 | 13.87                 | 14.45                 |                              | 0        |
|                                      | 25      | 0         | 14.12                 | 13.91                 | 14.51                 |                              | 0        |
| 16QAM                                | 1       | 0         | 14.39                 | 13.94                 | 14.54                 | 0-1                          | 0        |
|                                      | 1       | 12        | 14.31                 | 14.03                 | 14.55                 |                              | 0        |
|                                      | 1       | 24        | 14.23                 | 13.95                 | 14.53                 |                              | 0        |
|                                      | 12      | 0         | 14.23                 | 13.98                 | 14.53                 | 0-2                          | 0        |
|                                      | 12      | 6         | 14.12                 | 13.97                 | 14.44                 |                              | 0        |
|                                      | 12      | 13        | 14.04                 | 13.95                 | 14.39                 |                              | 0        |
|                                      | 25      | 0         | 14.20                 | 13.90                 | 14.41                 |                              | 0        |
| 64QAM                                | 1       | 0         | 14.36                 | 14.02                 | 14.41                 | 0-2                          | 0        |
|                                      | 1       | 12        | 14.28                 | 14.12                 | 14.61                 |                              | 0        |
|                                      | 1       | 24        | 14.14                 | 14.32                 | 14.65                 |                              | 0        |
|                                      | 12      | 0         | 14.27                 | 14.06                 | 14.40                 | 0-3                          | 0        |
|                                      | 12      | 6         | 14.18                 | 13.99                 | 14.53                 |                              | 0        |
|                                      | 12      | 13        | 14.16                 | 13.99                 | 14.46                 |                              | 0        |
|                                      | 25      | 0         | 14.18                 | 14.02                 | 14.50                 |                              | 0        |

|                                         |                                                                                                   |                              |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   | Page 154 of 284                 |

**Table 8-221**  
**LTE Band 25 Conducted Powers Ant 4a - 3 MHz Bandwidth**

| LTE Band 25 (PCS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 26055<br>(1851.5 MHz) | 26365<br>(1882.5 MHz) | 26675<br>(1913.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 14.04                 | 13.80                 | 14.34                 | 0                            | 0        |
|                                      | 1       | 7         | 14.12                 | 13.91                 | 14.43                 |                              | 0        |
|                                      | 1       | 14        | 14.04                 | 13.84                 | 14.33                 |                              | 0        |
|                                      | 8       | 0         | 14.19                 | 13.93                 | 14.49                 | 0-1                          | 0        |
|                                      | 8       | 4         | 14.18                 | 13.93                 | 14.47                 |                              | 0        |
|                                      | 8       | 7         | 14.12                 | 13.93                 | 14.47                 |                              | 0        |
|                                      | 15      | 0         | 14.18                 | 13.96                 | 14.49                 |                              | 0        |
| 16QAM                                | 1       | 0         | 14.16                 | 14.11                 | 14.53                 | 0-1                          | 0        |
|                                      | 1       | 7         | 14.28                 | 13.93                 | 14.48                 |                              | 0        |
|                                      | 1       | 14        | 14.22                 | 13.95                 | 14.40                 |                              | 0        |
|                                      | 8       | 0         | 14.25                 | 13.98                 | 14.41                 | 0-2                          | 0        |
|                                      | 8       | 4         | 14.22                 | 13.98                 | 14.42                 |                              | 0        |
|                                      | 8       | 7         | 14.19                 | 13.98                 | 14.43                 |                              | 0        |
|                                      | 15      | 0         | 14.21                 | 13.94                 | 14.41                 |                              | 0        |
| 64QAM                                | 1       | 0         | 14.17                 | 14.13                 | 14.72                 | 0-2                          | 0        |
|                                      | 1       | 7         | 14.21                 | 14.18                 | 14.80                 |                              | 0        |
|                                      | 1       | 14        | 14.17                 | 14.02                 | 14.73                 |                              | 0        |
|                                      | 8       | 0         | 14.25                 | 14.09                 | 14.63                 | 0-3                          | 0        |
|                                      | 8       | 4         | 14.20                 | 14.02                 | 14.58                 |                              | 0        |
|                                      | 8       | 7         | 14.08                 | 14.03                 | 14.43                 |                              | 0        |
|                                      | 15      | 0         | 14.17                 | 14.03                 | 14.54                 |                              | 0        |

**Table 8-222**  
**LTE Band 25 Conducted Powers Ant 4a - 1.4 MHz Bandwidth**

| LTE Band 25 (PCS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|----------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 26047<br>(1850.7 MHz) | 26365<br>(1882.5 MHz) | 26683<br>(1914.3 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                   | 1       | 0         | 14.17                 | 13.88                 | 14.59                 | 0                            | 0        |
|                                        | 1       | 2         | 14.16                 | 13.86                 | 14.57                 |                              | 0        |
|                                        | 1       | 5         | 14.17                 | 13.89                 | 14.60                 |                              | 0        |
|                                        | 3       | 0         | 14.22                 | 13.97                 | 14.43                 |                              | 0        |
|                                        | 3       | 2         | 14.21                 | 13.94                 | 14.43                 |                              | 0        |
|                                        | 3       | 3         | 14.26                 | 13.95                 | 14.45                 |                              | 0        |
|                                        | 6       | 0         | 14.24                 | 13.95                 | 14.42                 | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 14.37                 | 14.07                 | 14.75                 | 0-1                          | 0        |
|                                        | 1       | 2         | 14.31                 | 14.03                 | 14.74                 |                              | 0        |
|                                        | 1       | 5         | 14.40                 | 13.95                 | 14.75                 |                              | 0        |
|                                        | 3       | 0         | 14.33                 | 14.03                 | 14.53                 |                              | 0        |
|                                        | 3       | 2         | 14.31                 | 13.97                 | 14.40                 |                              | 0        |
|                                        | 3       | 3         | 14.38                 | 13.99                 | 14.36                 |                              | 0        |
|                                        | 6       | 0         | 14.29                 | 13.96                 | 14.32                 | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 14.45                 | 14.20                 | 14.60                 | 0-2                          | 0        |
|                                        | 1       | 2         | 14.57                 | 14.25                 | 14.59                 |                              | 0        |
|                                        | 1       | 5         | 14.53                 | 14.15                 | 14.64                 |                              | 0        |
|                                        | 3       | 0         | 14.35                 | 14.24                 | 14.62                 |                              | 0        |
|                                        | 3       | 2         | 14.30                 | 14.19                 | 14.61                 |                              | 0        |
|                                        | 3       | 3         | 14.40                 | 14.13                 | 14.67                 |                              | 0        |
|                                        | 6       | 0         | 14.32                 | 14.16                 | 14.52                 | 0-3                          | 0        |

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 155 of 284                        |

**Table 8-223**  
**LTE Band 25 Conducted Powers Ant 4b - 20 MHz Bandwidth**

| LTE Band 25 (PCS)<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26140<br>(1860.0 MHz) | 26365<br>(1882.5 MHz) | 26590<br>(1905.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 13.27                 | 13.16                 | 13.35                 | 0                            | 0        |
|                                       | 1       | 50        | 13.25                 | 13.34                 | 13.42                 |                              | 0        |
|                                       | 1       | 99        | 13.08                 | 13.33                 | 12.99                 |                              | 0        |
|                                       | 50      | 0         | 13.49                 | 13.42                 | 13.50                 | 0-1                          | 0        |
|                                       | 50      | 25        | 13.37                 | 13.45                 | 13.42                 |                              | 0        |
|                                       | 50      | 50        | 13.24                 | 13.40                 | 13.16                 |                              | 0        |
|                                       | 100     | 0         | 13.40                 | 13.40                 | 13.41                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 13.35                 | 13.18                 | 13.36                 | 0-1                          | 0        |
|                                       | 1       | 50        | 13.30                 | 13.35                 | 13.50                 |                              | 0        |
|                                       | 1       | 99        | 13.05                 | 13.23                 | 13.15                 |                              | 0        |
|                                       | 50      | 0         | 13.33                 | 13.16                 | 13.11                 | 0-2                          | 0        |
|                                       | 50      | 25        | 13.16                 | 13.17                 | 13.20                 |                              | 0        |
|                                       | 50      | 50        | 13.05                 | 13.07                 | 12.90                 |                              | 0        |
|                                       | 100     | 0         | 13.16                 | 13.18                 | 13.23                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 13.12                 | 13.00                 | 13.30                 | 0-2                          | 0        |
|                                       | 1       | 50        | 13.08                 | 13.16                 | 13.34                 |                              | 0        |
|                                       | 1       | 99        | 13.01                 | 13.16                 | 13.18                 |                              | 0        |
|                                       | 50      | 0         | 13.21                 | 13.15                 | 13.05                 | 0-3                          | 0        |
|                                       | 50      | 25        | 13.08                 | 13.19                 | 13.12                 |                              | 0        |
|                                       | 50      | 50        | 13.03                 | 13.11                 | 12.87                 |                              | 0        |
|                                       | 100     | 0         | 13.10                 | 13.20                 | 13.20                 |                              | 0        |

**Table 8-224**  
**LTE Band 25 Conducted Powers Ant 4b - 15 MHz Bandwidth**

| LTE Band 25 (PCS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26115<br>(1857.5 MHz) | 26365<br>(1882.5 MHz) | 26615<br>(1907.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 13.34                 | 13.14                 | 13.30                 | 0                            | 0        |
|                                       | 1       | 36        | 13.43                 | 13.42                 | 13.26                 |                              | 0        |
|                                       | 1       | 74        | 13.10                 | 13.02                 | 12.92                 |                              | 0        |
|                                       | 36      | 0         | 13.48                 | 13.37                 | 13.46                 | 0-1                          | 0        |
|                                       | 36      | 18        | 13.50                 | 13.48                 | 13.25                 |                              | 0        |
|                                       | 36      | 37        | 13.30                 | 13.30                 | 13.04                 |                              | 0        |
|                                       | 75      | 0         | 13.41                 | 13.37                 | 13.21                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 13.48                 | 13.43                 | 13.45                 | 0-1                          | 0        |
|                                       | 1       | 36        | 13.49                 | 13.44                 | 13.41                 |                              | 0        |
|                                       | 1       | 74        | 13.19                 | 13.41                 | 13.23                 |                              | 0        |
|                                       | 36      | 0         | 13.49                 | 13.39                 | 13.48                 | 0-2                          | 0        |
|                                       | 36      | 18        | 13.49                 | 13.49                 | 13.26                 |                              | 0        |
|                                       | 36      | 37        | 13.32                 | 13.32                 | 13.07                 |                              | 0        |
|                                       | 75      | 0         | 13.50                 | 13.39                 | 13.25                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 13.50                 | 13.40                 | 13.42                 | 0-2                          | 0        |
|                                       | 1       | 36        | 13.41                 | 13.45                 | 13.39                 |                              | 0        |
|                                       | 1       | 74        | 13.40                 | 13.23                 | 13.16                 |                              | 0        |
|                                       | 36      | 0         | 13.50                 | 13.41                 | 13.47                 | 0-3                          | 0        |
|                                       | 36      | 18        | 13.41                 | 13.42                 | 13.25                 |                              | 0        |
|                                       | 36      | 37        | 13.33                 | 13.31                 | 13.03                 |                              | 0        |
|                                       | 75      | 0         | 13.49                 | 13.39                 | 13.24                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 156 of 284                        |

**Table 8-225**  
**LTE Band 25 Conducted Powers Ant 4b - 10 MHz Bandwidth**

| LTE Band 25 (PCS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26090<br>(1855.0 MHz) | 26365<br>(1882.5 MHz) | 26640<br>(1910.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 13.34                 | 13.34                 | 13.20                 | 0                            | 0        |
|                                       | 1       | 25        | 13.48                 | 13.28                 | 13.16                 |                              | 0        |
|                                       | 1       | 49        | 13.38                 | 13.20                 | 13.07                 |                              | 0        |
|                                       | 25      | 0         | 13.39                 | 13.42                 | 13.16                 | 0-1                          | 0        |
|                                       | 25      | 12        | 13.45                 | 13.40                 | 13.07                 |                              | 0        |
|                                       | 25      | 25        | 13.46                 | 13.36                 | 12.90                 |                              | 0        |
|                                       | 50      | 0         | 13.46                 | 13.32                 | 13.06                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 13.42                 | 13.43                 | 13.46                 | 0-1                          | 0        |
|                                       | 1       | 25        | 13.46                 | 13.50                 | 13.42                 |                              | 0        |
|                                       | 1       | 49        | 13.43                 | 13.43                 | 13.49                 |                              | 0        |
|                                       | 25      | 0         | 13.41                 | 13.42                 | 13.19                 | 0-2                          | 0        |
|                                       | 25      | 12        | 13.49                 | 13.40                 | 13.07                 |                              | 0        |
|                                       | 25      | 25        | 13.49                 | 13.38                 | 12.90                 |                              | 0        |
|                                       | 50      | 0         | 13.48                 | 13.34                 | 13.09                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 13.47                 | 13.46                 | 13.37                 | 0-2                          | 0        |
|                                       | 1       | 25        | 13.40                 | 13.36                 | 13.41                 |                              | 0        |
|                                       | 1       | 49        | 13.50                 | 13.44                 | 13.42                 |                              | 0        |
|                                       | 25      | 0         | 13.36                 | 13.43                 | 13.24                 | 0-3                          | 0        |
|                                       | 25      | 12        | 13.45                 | 13.42                 | 13.08                 |                              | 0        |
|                                       | 25      | 25        | 13.43                 | 13.36                 | 12.90                 |                              | 0        |
|                                       | 50      | 0         | 13.50                 | 13.37                 | 13.04                 |                              | 0        |

**Table 8-226**  
**LTE Band 25 Conducted Powers Ant 4b - 5 MHz Bandwidth**

| LTE Band 25 (PCS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 26065<br>(1852.5 MHz) | 26365<br>(1882.5 MHz) | 26665<br>(1912.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 13.05                 | 13.03                 | 13.24                 | 0                            | 0        |
|                                      | 1       | 12        | 13.10                 | 12.92                 | 13.02                 |                              | 0        |
|                                      | 1       | 24        | 13.11                 | 12.95                 | 13.16                 |                              | 0        |
|                                      | 12      | 0         | 13.02                 | 12.99                 | 13.13                 | 0-1                          | 0        |
|                                      | 12      | 6         | 13.11                 | 13.00                 | 13.02                 |                              | 0        |
|                                      | 12      | 13        | 13.18                 | 12.92                 | 13.04                 |                              | 0        |
|                                      | 25      | 0         | 13.14                 | 12.94                 | 13.00                 |                              | 0        |
| 16QAM                                | 1       | 0         | 13.46                 | 13.44                 | 13.26                 | 0-1                          | 0        |
|                                      | 1       | 12        | 13.44                 | 13.04                 | 13.03                 |                              | 0        |
|                                      | 1       | 24        | 13.45                 | 13.39                 | 13.16                 |                              | 0        |
|                                      | 12      | 0         | 13.10                 | 13.08                 | 12.96                 | 0-2                          | 0        |
|                                      | 12      | 6         | 13.23                 | 13.02                 | 12.81                 |                              | 0        |
|                                      | 12      | 13        | 13.25                 | 12.99                 | 12.90                 |                              | 0        |
|                                      | 25      | 0         | 13.19                 | 12.94                 | 12.85                 |                              | 0        |
| 64QAM                                | 1       | 0         | 13.47                 | 13.33                 | 13.20                 | 0-2                          | 0        |
|                                      | 1       | 12        | 13.43                 | 13.06                 | 13.05                 |                              | 0        |
|                                      | 1       | 24        | 13.44                 | 13.32                 | 13.11                 |                              | 0        |
|                                      | 12      | 0         | 13.10                 | 12.98                 | 12.98                 | 0-3                          | 0        |
|                                      | 12      | 6         | 13.19                 | 13.03                 | 12.82                 |                              | 0        |
|                                      | 12      | 13        | 13.23                 | 12.93                 | 12.91                 |                              | 0        |
|                                      | 25      | 0         | 13.18                 | 12.99                 | 12.95                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 157 of 284                 |

**Table 8-227**  
**LTE Band 25 Conducted Powers Ant 4b - 3 MHz Bandwidth**

| LTE Band 25 (PCS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 26055<br>(1851.5 MHz) | 26365<br>(1882.5 MHz) | 26675<br>(1913.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 13.10                 | 13.10                 | 12.96                 | 0                            | 0        |
|                                      | 1       | 7         | 13.24                 | 13.04                 | 12.92                 |                              | 0        |
|                                      | 1       | 14        | 13.14                 | 12.96                 | 12.83                 |                              | 0        |
|                                      | 8       | 0         | 13.15                 | 13.18                 | 12.92                 | 0-1                          | 0        |
|                                      | 8       | 4         | 13.21                 | 13.16                 | 12.83                 |                              | 0        |
|                                      | 8       | 7         | 13.22                 | 13.12                 | 12.66                 |                              | 0        |
|                                      | 15      | 0         | 13.22                 | 13.08                 | 12.82                 |                              | 0        |
| 16QAM                                | 1       | 0         | 13.38                 | 13.39                 | 13.42                 | 0-1                          | 0        |
|                                      | 1       | 7         | 13.42                 | 13.36                 | 13.28                 |                              | 0        |
|                                      | 1       | 14        | 13.49                 | 13.29                 | 13.25                 |                              | 0        |
|                                      | 8       | 0         | 13.17                 | 13.18                 | 12.95                 | 0-2                          | 0        |
|                                      | 8       | 4         | 13.25                 | 13.16                 | 12.83                 |                              | 0        |
|                                      | 8       | 7         | 13.27                 | 13.14                 | 12.66                 |                              | 0        |
|                                      | 15      | 0         | 13.24                 | 13.10                 | 12.85                 |                              | 0        |
| 64QAM                                | 1       | 0         | 13.43                 | 13.32                 | 13.13                 | 0-2                          | 0        |
|                                      | 1       | 7         | 13.46                 | 13.12                 | 13.17                 |                              | 0        |
|                                      | 1       | 14        | 13.26                 | 13.20                 | 13.18                 |                              | 0        |
|                                      | 8       | 0         | 13.12                 | 13.19                 | 13.00                 | 0-3                          | 0        |
|                                      | 8       | 4         | 13.21                 | 13.18                 | 12.84                 |                              | 0        |
|                                      | 8       | 7         | 13.19                 | 13.12                 | 12.66                 |                              | 0        |
|                                      | 15      | 0         | 13.26                 | 13.13                 | 12.80                 |                              | 0        |

**Table 8-228**  
**LTE Band 25 Conducted Powers Ant 4b - 1.4 MHz Bandwidth**

| LTE Band 25 (PCS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|----------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 26047<br>(1850.7 MHz) | 26365<br>(1882.5 MHz) | 26683<br>(1914.3 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                   | 1       | 0         | 13.00                 | 12.80                 | 12.96                 | 0                            | 0        |
|                                        | 1       | 2         | 13.19                 | 13.08                 | 12.92                 |                              | 0        |
|                                        | 1       | 5         | 12.76                 | 12.68                 | 12.58                 |                              | 0        |
|                                        | 3       | 0         | 13.14                 | 13.03                 | 13.12                 |                              | 0        |
|                                        | 3       | 2         | 13.16                 | 13.14                 | 12.91                 |                              | 0        |
|                                        | 3       | 3         | 12.96                 | 12.96                 | 12.70                 |                              | 0        |
|                                        | 6       | 0         | 13.17                 | 13.03                 | 12.87                 | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 13.14                 | 13.09                 | 13.31                 | 0-1                          | 0        |
|                                        | 1       | 2         | 13.20                 | 13.06                 | 13.08                 |                              | 0        |
|                                        | 1       | 5         | 13.17                 | 13.12                 | 13.33                 |                              | 0        |
|                                        | 3       | 0         | 13.28                 | 13.43                 | 13.11                 |                              | 0        |
|                                        | 3       | 2         | 12.88                 | 13.10                 | 12.92                 |                              | 0        |
|                                        | 3       | 3         | 13.20                 | 13.08                 | 13.10                 |                              | 0        |
|                                        | 6       | 0         | 13.20                 | 13.18                 | 13.47                 | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 13.01                 | 13.01                 | 13.24                 | 0-2                          | 0        |
|                                        | 1       | 2         | 13.19                 | 13.08                 | 13.01                 |                              | 0        |
|                                        | 1       | 5         | 13.29                 | 13.09                 | 13.32                 |                              | 0        |
|                                        | 3       | 0         | 13.27                 | 13.25                 | 13.10                 |                              | 0        |
|                                        | 3       | 2         | 13.08                 | 13.08                 | 12.88                 |                              | 0        |
|                                        | 3       | 3         | 13.26                 | 13.15                 | 13.09                 |                              | 0        |
|                                        | 6       | 0         | 13.36                 | 13.16                 | 13.15                 | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 158 of 284                 |

### 8.3.9

### LTE Band 30

Table 8-229

LTE Band 30 Conducted Powers Ant 2a - 10 MHz Bandwidth

| LTE Band 30<br>10 MHz Bandwidth |         |           |                                                   |                              |          |
|---------------------------------|---------|-----------|---------------------------------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel                                       | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 27710<br>(2310.0 MHz)<br>Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 13.22                                             | 0                            | 0        |
|                                 | 1       | 25        | 13.24                                             |                              | 0        |
|                                 | 1       | 49        | 13.23                                             |                              | 0        |
|                                 | 25      | 0         | 13.41                                             | 0-1                          | 0        |
|                                 | 25      | 12        | 13.48                                             |                              | 0        |
|                                 | 25      | 25        | 13.42                                             |                              | 0        |
| 16QAM                           | 50      | 0         | 13.23                                             | 0-1                          | 0        |
|                                 | 1       | 0         | 13.29                                             |                              | 0        |
|                                 | 1       | 25        | 13.49                                             |                              | 0        |
|                                 | 1       | 49        | 13.42                                             | 0-2                          | 0        |
|                                 | 25      | 0         | 13.11                                             |                              | 0        |
|                                 | 25      | 12        | 13.16                                             |                              | 0        |
| 64QAM                           | 25      | 25        | 13.12                                             | 0-2                          | 0        |
|                                 | 50      | 0         | 13.16                                             |                              | 0        |
|                                 | 1       | 0         | 13.42                                             | 0-2                          | 0        |
|                                 | 1       | 25        | 13.45                                             |                              | 0        |
|                                 | 1       | 49        | 13.55                                             |                              | 0        |
|                                 | 25      | 0         | 13.13                                             | 0-3                          | 0        |
|                                 | 25      | 12        | 13.11                                             |                              | 0        |
|                                 | 25      | 25        | 13.17                                             |                              | 0        |
|                                 | 50      | 0         | 13.21                                             |                              | 0        |

Table 8-230

LTE Band 30 Conducted Powers Ant 2a - 5 MHz Bandwidth

| LTE Band 30<br>5 MHz Bandwidth |         |           |                                                   |                              |          |
|--------------------------------|---------|-----------|---------------------------------------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Mid Channel                                       | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 27710<br>(2310.0 MHz)<br>Conducted Power<br>[dBm] |                              |          |
| QPSK                           | 1       | 0         | 13.17                                             | 0                            | 0        |
|                                | 1       | 12        | 13.21                                             |                              | 0        |
|                                | 1       | 24        | 13.20                                             |                              | 0        |
|                                | 12      | 0         | 13.33                                             | 0-1                          | 0        |
|                                | 12      | 6         | 13.34                                             |                              | 0        |
|                                | 12      | 13        | 13.32                                             |                              | 0        |
| 16QAM                          | 25      | 0         | 13.36                                             | 0-1                          | 0        |
|                                | 1       | 0         | 13.32                                             |                              | 0        |
|                                | 1       | 12        | 13.36                                             |                              | 0        |
|                                | 1       | 24        | 13.28                                             | 0-2                          | 0        |
|                                | 12      | 0         | 13.09                                             |                              | 0        |
|                                | 12      | 6         | 13.14                                             |                              | 0        |
| 64QAM                          | 12      | 13        | 13.06                                             | 0-2                          | 0        |
|                                | 25      | 0         | 13.08                                             |                              | 0        |
|                                | 1       | 0         | 13.14                                             |                              | 0        |
|                                | 1       | 12        | 13.35                                             | 0-2                          | 0        |
|                                | 1       | 24        | 13.29                                             |                              | 0        |
|                                | 12      | 0         | 13.17                                             | 0-3                          | 0        |
|                                | 12      | 6         | 13.06                                             |                              | 0        |
|                                | 12      | 13        | 13.15                                             |                              | 0        |
|                                | 25      | 0         | 13.08                                             |                              | 0        |

**Note:** LTE Band 30 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 159 of 284                 |

**Table 8-231**  
**LTE Band 30 Conducted Powers Ant 2a - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 30<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 27710<br>(2310.0 MHz)    |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 9.70                     | 0                            | 0        |
|                                 | 1       | 25        | 10.01                    |                              | 0        |
|                                 | 1       | 49        | 9.91                     |                              | 0        |
|                                 | 25      | 0         | 9.77                     | 0-1                          | 0        |
|                                 | 25      | 12        | 9.79                     |                              | 0        |
|                                 | 25      | 25        | 9.94                     |                              | 0        |
| 16QAM                           | 50      | 0         | 9.91                     | 0-1                          | 0        |
|                                 | 1       | 0         | 9.73                     |                              | 0        |
|                                 | 1       | 25        | 10.04                    |                              | 0        |
|                                 | 1       | 49        | 9.97                     | 0-2                          | 0        |
|                                 | 25      | 0         | 9.70                     |                              | 0        |
|                                 | 25      | 12        | 9.53                     |                              | 0        |
| 64QAM                           | 25      | 25        | 9.64                     | 0-2                          | 0        |
|                                 | 50      | 0         | 9.62                     |                              | 0        |
|                                 | 1       | 0         | 9.58                     | 0-3                          | 0        |
|                                 | 1       | 25        | 9.70                     |                              | 0        |
|                                 | 1       | 49        | 9.61                     |                              | 0        |
|                                 | 25      | 0         | 9.54                     | 0-3                          | 0        |
|                                 | 25      | 12        | 9.53                     |                              | 0        |
|                                 | 25      | 25        | 9.56                     |                              | 0        |
|                                 | 50      | 0         | 9.57                     |                              | 0        |

**Table 8-232**  
**LTE Band 30 Conducted Powers Ant 2a - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 30<br>5 MHz Bandwidth |         |           |                          |                              |          |
|--------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 27710<br>(2310.0 MHz)    |                              |          |
|                                |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                           | 1       | 0         | 9.50                     | 0                            | 0        |
|                                | 1       | 12        | 9.53                     |                              | 0        |
|                                | 1       | 24        | 9.47                     |                              | 0        |
|                                | 12      | 0         | 9.68                     | 0-1                          | 0        |
|                                | 12      | 6         | 9.66                     |                              | 0        |
|                                | 12      | 13        | 9.63                     |                              | 0        |
| 16QAM                          | 25      | 0         | 9.68                     | 0-1                          | 0        |
|                                | 1       | 0         | 9.76                     |                              | 0        |
|                                | 1       | 12        | 9.71                     |                              | 0        |
|                                | 1       | 24        | 9.64                     | 0-2                          | 0        |
|                                | 12      | 0         | 9.71                     |                              | 0        |
|                                | 12      | 6         | 9.63                     |                              | 0        |
| 64QAM                          | 12      | 13        | 9.61                     | 0-2                          | 0        |
|                                | 25      | 0         | 9.66                     |                              | 0        |
|                                | 1       | 0         | 9.75                     | 0-3                          | 0        |
|                                | 1       | 12        | 10.02                    |                              | 0        |
|                                | 1       | 24        | 9.82                     |                              | 0        |
|                                | 12      | 0         | 9.70                     | 0-3                          | 0        |
|                                | 12      | 6         | 9.65                     |                              | 0        |
|                                | 12      | 13        | 9.56                     |                              | 0        |
|                                | 25      | 0         | 9.63                     |                              | 0        |

**Note:** LTE Band 30 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 160 of 284                 |

**Table 8-233**  
**LTE Band 30 Conducted Powers Ant 2b - 10 MHz Bandwidth**

| LTE Band 30<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 27710<br>(2310.0 MHz)    |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 12.39                    | 0                            | 0        |
|                                 | 1       | 25        | 12.57                    |                              | 0        |
|                                 | 1       | 49        | 12.51                    |                              | 0        |
|                                 | 25      | 0         | 12.58                    | 0-1                          | 0        |
|                                 | 25      | 12        | 12.60                    |                              | 0        |
|                                 | 25      | 25        | 12.54                    |                              | 0        |
|                                 | 50      | 0         | 12.56                    |                              | 0        |
| 16QAM                           | 1       | 0         | 12.37                    | 0-1                          | 0        |
|                                 | 1       | 25        | 12.54                    |                              | 0        |
|                                 | 1       | 49        | 12.46                    |                              | 0        |
|                                 | 25      | 0         | 12.33                    | 0-2                          | 0        |
|                                 | 25      | 12        | 12.36                    |                              | 0        |
|                                 | 25      | 25        | 12.31                    |                              | 0        |
|                                 | 50      | 0         | 12.35                    |                              | 0        |
| 64QAM                           | 1       | 0         | 12.47                    | 0-2                          | 0        |
|                                 | 1       | 25        | 12.50                    |                              | 0        |
|                                 | 1       | 49        | 12.44                    |                              | 0        |
|                                 | 25      | 0         | 12.30                    | 0-3                          | 0        |
|                                 | 25      | 12        | 12.34                    |                              | 0        |
|                                 | 25      | 25        | 12.30                    |                              | 0        |
|                                 | 50      | 0         | 12.35                    |                              | 0        |

**Table 8-234**  
**LTE Band 30 Conducted Powers Ant 2b - 5 MHz Bandwidth**

| LTE Band 30<br>5 MHz Bandwidth |         |           |                          |                              |          |
|--------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 27710<br>(2310.0 MHz)    |                              |          |
|                                |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                           | 1       | 0         | 12.28                    | 0                            | 0        |
|                                | 1       | 12        | 12.35                    |                              | 0        |
|                                | 1       | 24        | 12.30                    |                              | 0        |
|                                | 12      | 0         | 12.50                    | 0-1                          | 0        |
|                                | 12      | 6         | 12.41                    |                              | 0        |
|                                | 12      | 13        | 12.38                    |                              | 0        |
|                                | 25      | 0         | 12.51                    |                              | 0        |
| 16QAM                          | 1       | 0         | 12.47                    | 0-1                          | 0        |
|                                | 1       | 12        | 12.51                    |                              | 0        |
|                                | 1       | 24        | 12.42                    |                              | 0        |
|                                | 12      | 0         | 12.28                    | 0-2                          | 0        |
|                                | 12      | 6         | 12.23                    |                              | 0        |
|                                | 12      | 13        | 12.18                    |                              | 0        |
|                                | 25      | 0         | 12.28                    |                              | 0        |
| 64QAM                          | 1       | 0         | 12.47                    | 0-2                          | 0        |
|                                | 1       | 12        | 12.68                    |                              | 0        |
|                                | 1       | 24        | 12.41                    |                              | 0        |
|                                | 12      | 0         | 12.14                    | 0-3                          | 0        |
|                                | 12      | 6         | 12.23                    |                              | 0        |
|                                | 12      | 13        | 12.17                    |                              | 0        |
|                                | 25      | 0         | 12.22                    |                              | 0        |

**Note:** LTE Band 30 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
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| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 161 of 284                 |

**Table 8-235**  
**LTE Band 30 Conducted Powers Ant 2b - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 30<br>10 MHz Bandwidth |         |           |                                                   |                              |          |
|---------------------------------|---------|-----------|---------------------------------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel                                       | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 27710<br>(2310.0 MHz)<br>Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 9.92                                              | 0                            | 0        |
|                                 | 1       | 25        | 10.06                                             |                              | 0        |
|                                 | 1       | 49        | 9.92                                              |                              | 0        |
|                                 | 25      | 0         | 10.04                                             | 0-1                          | 0        |
|                                 | 25      | 12        | 10.02                                             |                              | 0        |
|                                 | 25      | 25        | 9.97                                              |                              | 0        |
|                                 | 50      | 0         | 10.03                                             |                              | 0        |
| 16QAM                           | 1       | 0         | 10.04                                             | 0-1                          | 0        |
|                                 | 1       | 25        | 10.08                                             |                              | 0        |
|                                 | 1       | 49        | 10.09                                             |                              | 0        |
|                                 | 25      | 0         | 9.75                                              | 0-2                          | 0        |
|                                 | 25      | 12        | 9.74                                              |                              | 0        |
|                                 | 25      | 25        | 9.67                                              |                              | 0        |
|                                 | 50      | 0         | 9.71                                              |                              | 0        |
| 64QAM                           | 1       | 0         | 9.86                                              | 0-2                          | 0        |
|                                 | 1       | 25        | 9.97                                              |                              | 0        |
|                                 | 1       | 49        | 9.68                                              |                              | 0        |
|                                 | 25      | 0         | 9.75                                              | 0-3                          | 0        |
|                                 | 25      | 12        | 9.74                                              |                              | 0        |
|                                 | 25      | 25        | 9.64                                              |                              | 0        |
|                                 | 50      | 0         | 9.73                                              |                              | 0        |

**Table 8-236**  
**LTE Band 30 Conducted Powers Ant 2b - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 30<br>5 MHz Bandwidth |         |           |                                                   |                              |          |
|--------------------------------|---------|-----------|---------------------------------------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Mid Channel                                       | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 27710<br>(2310.0 MHz)<br>Conducted Power<br>[dBm] |                              |          |
| QPSK                           | 1       | 0         | 9.81                                              | 0                            | 0        |
|                                | 1       | 12        | 9.72                                              |                              | 0        |
|                                | 1       | 24        | 9.61                                              |                              | 0        |
|                                | 12      | 0         | 9.88                                              | 0-1                          | 0        |
|                                | 12      | 6         | 9.90                                              |                              | 0        |
|                                | 12      | 13        | 9.77                                              |                              | 0        |
|                                | 25      | 0         | 9.89                                              |                              | 0        |
| 16QAM                          | 1       | 0         | 10.03                                             | 0-1                          | 0        |
|                                | 1       | 12        | 9.89                                              |                              | 0        |
|                                | 1       | 24        | 9.85                                              |                              | 0        |
|                                | 12      | 0         | 9.92                                              | 0-2                          | 0        |
|                                | 12      | 6         | 9.84                                              |                              | 0        |
|                                | 12      | 13        | 9.68                                              |                              | 0        |
|                                | 25      | 0         | 9.86                                              |                              | 0        |
| 64QAM                          | 1       | 0         | 10.10                                             | 0-2                          | 0        |
|                                | 1       | 12        | 10.09                                             |                              | 0        |
|                                | 1       | 24        | 9.93                                              |                              | 0        |
|                                | 12      | 0         | 9.92                                              | 0-3                          | 0        |
|                                | 12      | 6         | 9.85                                              |                              | 0        |
|                                | 12      | 13        | 9.68                                              |                              | 0        |
|                                | 25      | 0         | 9.88                                              |                              | 0        |

**Note: LTE Band 30 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.**

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
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**Table 8-237**  
**LTE Band 30 Conducted Powers Ant 4a - 10 MHz Bandwidth**

| LTE Band 30<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 27710<br>(2310.0 MHz)    |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 13.35                    | 0                            | 0        |
|                                 | 1       | 25        | 13.34                    |                              | 0        |
|                                 | 1       | 49        | 13.11                    |                              | 0        |
|                                 | 25      | 0         | 13.12                    | 0-1                          | 0        |
|                                 | 25      | 12        | 13.10                    |                              | 0        |
|                                 | 25      | 25        | 12.99                    |                              | 0        |
|                                 | 50      | 0         | 13.11                    |                              | 0        |
| 16QAM                           | 1       | 0         | 13.33                    | 0-1                          | 0        |
|                                 | 1       | 25        | 13.45                    |                              | 0        |
|                                 | 1       | 49        | 13.30                    |                              | 0        |
|                                 | 25      | 0         | 13.12                    | 0-2                          | 0        |
|                                 | 25      | 12        | 13.10                    |                              | 0        |
|                                 | 25      | 25        | 12.95                    |                              | 0        |
|                                 | 50      | 0         | 13.03                    |                              | 0        |
| 64QAM                           | 1       | 0         | 12.98                    | 0-2                          | 0        |
|                                 | 1       | 25        | 12.97                    |                              | 0        |
|                                 | 1       | 49        | 12.87                    |                              | 0        |
|                                 | 25      | 0         | 12.89                    | 0-3                          | 0        |
|                                 | 25      | 12        | 12.91                    |                              | 0        |
|                                 | 25      | 25        | 12.87                    |                              | 0        |
|                                 | 50      | 0         | 12.83                    |                              | 0        |

**Table 8-238**  
**LTE Band 30 Conducted Powers Ant 4a - 5 MHz Bandwidth**

| LTE Band 30<br>5 MHz Bandwidth |         |           |                          |                              |          |
|--------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 27710<br>(2310.0 MHz)    |                              |          |
|                                |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                           | 1       | 0         | 13.39                    | 0                            | 0        |
|                                | 1       | 12        | 13.40                    |                              | 0        |
|                                | 1       | 24        | 13.35                    |                              | 0        |
|                                | 12      | 0         | 13.35                    | 0-1                          | 0        |
|                                | 12      | 6         | 13.32                    |                              | 0        |
|                                | 12      | 13        | 13.20                    |                              | 0        |
|                                | 25      | 0         | 13.29                    |                              | 0        |
| 16QAM                          | 1       | 0         | 13.49                    | 0-1                          | 0        |
|                                | 1       | 12        | 13.45                    |                              | 0        |
|                                | 1       | 24        | 13.43                    |                              | 0        |
|                                | 12      | 0         | 13.03                    | 0-2                          | 0        |
|                                | 12      | 6         | 13.09                    |                              | 0        |
|                                | 12      | 13        | 12.96                    |                              | 0        |
|                                | 25      | 0         | 13.00                    |                              | 0        |
| 64QAM                          | 1       | 0         | 12.88                    | 0-2                          | 0        |
|                                | 1       | 12        | 12.87                    |                              | 0        |
|                                | 1       | 24        | 12.61                    |                              | 0        |
|                                | 12      | 0         | 12.65                    | 0-3                          | 0        |
|                                | 12      | 6         | 12.81                    |                              | 0        |
|                                | 12      | 13        | 12.87                    |                              | 0        |
|                                | 25      | 0         | 13.00                    |                              | 0        |

**Note: LTE Band 30 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.**

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
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| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 163 of 284                 |

**Table 8-239**  
**LTE Band 30 Conducted Powers Ant 4a - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 30<br>10 MHz Bandwidth |         |           |                                                   |                              |          |
|---------------------------------|---------|-----------|---------------------------------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel                                       | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 27710<br>(2310.0 MHz)<br>Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 10.27                                             | 0                            | 0        |
|                                 | 1       | 25        | 10.32                                             |                              | 0        |
|                                 | 1       | 49        | 10.26                                             |                              | 0        |
|                                 | 25      | 0         | 10.40                                             | 0-1                          | 0        |
|                                 | 25      | 12        | 10.43                                             |                              | 0        |
|                                 | 25      | 25        | 10.50                                             |                              | 0        |
|                                 | 50      | 0         | 10.31                                             |                              | 0        |
| 16QAM                           | 1       | 0         | 10.41                                             | 0-1                          | 0        |
|                                 | 1       | 25        | 10.39                                             |                              | 0        |
|                                 | 1       | 49        | 10.21                                             |                              | 0        |
|                                 | 25      | 0         | 10.29                                             | 0-2                          | 0        |
|                                 | 25      | 12        | 10.21                                             |                              | 0        |
|                                 | 25      | 25        | 10.17                                             |                              | 0        |
|                                 | 50      | 0         | 10.22                                             |                              | 0        |
| 64QAM                           | 1       | 0         | 10.24                                             | 0-2                          | 0        |
|                                 | 1       | 25        | 10.34                                             |                              | 0        |
|                                 | 1       | 49        | 10.27                                             |                              | 0        |
|                                 | 25      | 0         | 10.22                                             | 0-3                          | 0        |
|                                 | 25      | 12        | 10.20                                             |                              | 0        |
|                                 | 25      | 25        | 10.09                                             |                              | 0        |
|                                 | 50      | 0         | 10.21                                             |                              | 0        |

**Table 8-240**  
**LTE Band 30 Conducted Powers Ant 4a - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 30<br>5 MHz Bandwidth |         |           |                                                   |                              |          |
|--------------------------------|---------|-----------|---------------------------------------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Mid Channel                                       | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 27710<br>(2310.0 MHz)<br>Conducted Power<br>[dBm] |                              |          |
| QPSK                           | 1       | 0         | 9.80                                              | 0                            | 0        |
|                                | 1       | 12        | 9.74                                              |                              | 0        |
|                                | 1       | 24        | 9.71                                              |                              | 0        |
|                                | 12      | 0         | 10.04                                             | 0-1                          | 0        |
|                                | 12      | 6         | 9.96                                              |                              | 0        |
|                                | 12      | 13        | 9.88                                              |                              | 0        |
|                                | 25      | 0         | 9.99                                              |                              | 0        |
| 16QAM                          | 1       | 0         | 9.91                                              | 0-1                          | 0        |
|                                | 1       | 12        | 9.97                                              |                              | 0        |
|                                | 1       | 24        | 9.90                                              |                              | 0        |
|                                | 12      | 0         | 9.97                                              | 0-2                          | 0        |
|                                | 12      | 6         | 9.98                                              |                              | 0        |
|                                | 12      | 13        | 9.88                                              |                              | 0        |
|                                | 25      | 0         | 10.00                                             |                              | 0        |
| 64QAM                          | 1       | 0         | 9.80                                              | 0-2                          | 0        |
|                                | 1       | 12        | 9.71                                              |                              | 0        |
|                                | 1       | 24        | 9.83                                              |                              | 0        |
|                                | 12      | 0         | 9.75                                              | 0-3                          | 0        |
|                                | 12      | 6         | 9.68                                              |                              | 0        |
|                                | 12      | 13        | 9.61                                              |                              | 0        |
|                                | 25      | 0         | 9.71                                              |                              | 0        |

**Note:** LTE Band 30 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
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| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 164 of 284                        |

**Table 8-241**  
**LTE Band 30 Conducted Powers Ant 4b - 10 MHz Bandwidth**

| LTE Band 30<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 27710<br>(2310.0 MHz)    |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 13.32                    | 0                            | 0        |
|                                 | 1       | 25        | 13.20                    |                              | 0        |
|                                 | 1       | 49        | 13.16                    |                              | 0        |
|                                 | 25      | 0         | 13.25                    | 0-1                          | 0        |
|                                 | 25      | 12        | 13.19                    |                              | 0        |
|                                 | 25      | 25        | 13.24                    |                              | 0        |
|                                 | 50      | 0         | 13.24                    |                              | 0        |
| 16QAM                           | 1       | 0         | 13.50                    | 0-1                          | 0        |
|                                 | 1       | 25        | 13.43                    |                              | 0        |
|                                 | 1       | 49        | 13.46                    |                              | 0        |
|                                 | 25      | 0         | 13.28                    | 0-2                          | 0        |
|                                 | 25      | 12        | 13.20                    |                              | 0        |
|                                 | 25      | 25        | 13.27                    |                              | 0        |
|                                 | 50      | 0         | 13.28                    |                              | 0        |
| 64QAM                           | 1       | 0         | 13.47                    | 0-2                          | 0        |
|                                 | 1       | 25        | 13.36                    |                              | 0        |
|                                 | 1       | 49        | 13.42                    |                              | 0        |
|                                 | 25      | 0         | 13.29                    | 0-3                          | 0        |
|                                 | 25      | 12        | 13.21                    |                              | 0        |
|                                 | 25      | 25        | 13.28                    |                              | 0        |
|                                 | 50      | 0         | 13.26                    |                              | 0        |

**Table 8-242**  
**LTE Band 30 Conducted Powers Ant 4b - 5 MHz Bandwidth**

| LTE Band 30<br>5 MHz Bandwidth |         |           |                          |                              |          |
|--------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 27710<br>(2310.0 MHz)    |                              |          |
|                                |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                           | 1       | 0         | 13.33                    | 0                            | 0        |
|                                | 1       | 12        | 13.29                    |                              | 0        |
|                                | 1       | 24        | 13.28                    |                              | 0        |
|                                | 12      | 0         | 13.35                    | 0-1                          | 0        |
|                                | 12      | 6         | 13.30                    |                              | 0        |
|                                | 12      | 13        | 13.24                    |                              | 0        |
|                                | 25      | 0         | 13.38                    |                              | 0        |
| 16QAM                          | 1       | 0         | 13.45                    | 0-1                          | 0        |
|                                | 1       | 12        | 13.37                    |                              | 0        |
|                                | 1       | 24        | 13.38                    |                              | 0        |
|                                | 12      | 0         | 13.34                    | 0-2                          | 0        |
|                                | 12      | 6         | 13.25                    |                              | 0        |
|                                | 12      | 13        | 13.22                    |                              | 0        |
|                                | 25      | 0         | 13.37                    |                              | 0        |
| 64QAM                          | 1       | 0         | 13.42                    | 0-2                          | 0        |
|                                | 1       | 12        | 13.46                    |                              | 0        |
|                                | 1       | 24        | 13.50                    |                              | 0        |
|                                | 12      | 0         | 13.30                    | 0-3                          | 0        |
|                                | 12      | 6         | 13.23                    |                              | 0        |
|                                | 12      | 13        | 13.21                    |                              | 0        |
|                                | 25      | 0         | 13.39                    |                              | 0        |

**Note: LTE Band 30 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.**

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 165 of 284                        |

**Table 8-243**  
**LTE Band 30 Conducted Powers Ant 4b - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 30<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 27710<br>(2310.0 MHz)    |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 10.20                    | 0                            | 0        |
|                                 | 1       | 25        | 10.23                    |                              | 0        |
|                                 | 1       | 49        | 10.21                    |                              | 0        |
|                                 | 25      | 0         | 10.24                    | 0-1                          | 0        |
|                                 | 25      | 12        | 10.26                    |                              | 0        |
|                                 | 25      | 25        | 10.28                    |                              | 0        |
|                                 | 50      | 0         | 10.22                    |                              | 0        |
| 16QAM                           | 1       | 0         | 10.35                    | 0-1                          | 0        |
|                                 | 1       | 25        | 10.31                    |                              | 0        |
|                                 | 1       | 49        | 10.37                    |                              | 0        |
|                                 | 25      | 0         | 10.00                    | 0-2                          | 0        |
|                                 | 25      | 12        | 9.99                     |                              | 0        |
|                                 | 25      | 25        | 10.04                    |                              | 0        |
|                                 | 50      | 0         | 10.07                    |                              | 0        |
| 64QAM                           | 1       | 0         | 10.18                    | 0-2                          | 0        |
|                                 | 1       | 25        | 10.25                    |                              | 0        |
|                                 | 1       | 49        | 10.21                    |                              | 0        |
|                                 | 25      | 0         | 10.05                    | 0-3                          | 0        |
|                                 | 25      | 12        | 10.00                    |                              | 0        |
|                                 | 25      | 25        | 10.05                    |                              | 0        |
|                                 | 50      | 0         | 10.07                    |                              | 0        |

**Table 8-244**  
**LTE Band 30 Conducted Powers Ant 4b - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 30<br>5 MHz Bandwidth |         |           |                          |                              |          |
|--------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 27710<br>(2310.0 MHz)    |                              |          |
|                                |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                           | 1       | 0         | 9.97                     | 0                            | 0        |
|                                | 1       | 12        | 9.94                     |                              | 0        |
|                                | 1       | 24        | 9.77                     |                              | 0        |
|                                | 12      | 0         | 10.10                    | 0-1                          | 0        |
|                                | 12      | 6         | 10.06                    |                              | 0        |
|                                | 12      | 13        | 10.02                    |                              | 0        |
|                                | 25      | 0         | 10.14                    |                              | 0        |
| 16QAM                          | 1       | 0         | 10.20                    | 0-1                          | 0        |
|                                | 1       | 12        | 10.16                    |                              | 0        |
|                                | 1       | 24        | 10.11                    |                              | 0        |
|                                | 12      | 0         | 10.15                    | 0-2                          | 0        |
|                                | 12      | 6         | 10.09                    |                              | 0        |
|                                | 12      | 13        | 10.03                    |                              | 0        |
|                                | 25      | 0         | 10.14                    |                              | 0        |
| 64QAM                          | 1       | 0         | 10.00                    | 0-2                          | 0        |
|                                | 1       | 12        | 9.99                     |                              | 0        |
|                                | 1       | 24        | 9.88                     |                              | 0        |
|                                | 12      | 0         | 9.77                     | 0-3                          | 0        |
|                                | 12      | 6         | 9.73                     |                              | 0        |
|                                | 12      | 13        | 9.68                     |                              | 0        |
|                                | 25      | 0         | 9.75                     |                              | 0        |

**Note:** LTE Band 30 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                                                  |                            |                                 |
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## 8.3.10

## LTE Band 7

**Table 8-245**  
**LTE Band 7 Conducted Powers Ant 2a - 20 MHz Bandwidth**

| LTE Band 7       |         |           |                       |                       |                       |                              |          |
|------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| 20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
| Modulation       | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                  |         |           | 20850<br>(2510.0 MHz) | 21100<br>(2535.0 MHz) | 21350<br>(2560.0 MHz) |                              |          |
|                  |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK             | 1       | 0         | 14.10                 | 14.08                 | 13.67                 | 0                            | 0        |
|                  | 1       | 50        | 13.98                 | 13.88                 | 13.68                 |                              | 0        |
|                  | 1       | 99        | 14.01                 | 13.90                 | 13.75                 |                              | 0        |
|                  | 50      | 0         | 14.00                 | 13.82                 | 13.89                 | 0-1                          | 0        |
|                  | 50      | 25        | 13.94                 | 13.79                 | 13.83                 |                              | 0        |
|                  | 50      | 50        | 13.87                 | 13.71                 | 13.69                 |                              | 0        |
|                  | 100     | 0         | 13.99                 | 13.80                 | 13.80                 |                              | 0        |
| 16QAM            | 1       | 0         | 13.90                 | 13.84                 | 13.63                 | 0-1                          | 0        |
|                  | 1       | 50        | 13.71                 | 13.62                 | 13.66                 |                              | 0        |
|                  | 1       | 99        | 13.72                 | 13.72                 | 13.77                 |                              | 0        |
|                  | 50      | 0         | 13.69                 | 13.64                 | 13.76                 | 0-2                          | 0        |
|                  | 50      | 25        | 13.66                 | 13.51                 | 13.73                 |                              | 0        |
|                  | 50      | 50        | 13.72                 | 13.46                 | 13.68                 |                              | 0        |
|                  | 100     | 0         | 13.68                 | 13.53                 | 13.72                 |                              | 0        |
| 64QAM            | 1       | 0         | 14.01                 | 14.00                 | 13.73                 | 0-2                          | 0        |
|                  | 1       | 50        | 13.82                 | 13.90                 | 13.86                 |                              | 0        |
|                  | 1       | 99        | 13.62                 | 13.75                 | 13.83                 |                              | 0        |
|                  | 50      | 0         | 13.58                 | 13.52                 | 13.46                 | 0-3                          | 0        |
|                  | 50      | 25        | 13.49                 | 13.42                 | 13.50                 |                              | 0        |
|                  | 50      | 50        | 13.32                 | 13.30                 | 13.39                 |                              | 0        |
|                  | 100     | 0         | 13.46                 | 13.37                 | 13.48                 |                              | 0        |

**Table 8-246**  
**LTE Band 7 Conducted Powers Ant 2a - 15 MHz Bandwidth**

| LTE Band 7<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 20825<br>(2507.5 MHz) | 21100<br>(2535.0 MHz) | 21375<br>(2562.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 13.98                 | 13.97                 | 13.90                 | 0                            | 0        |
|                                | 1       | 36        | 13.96                 | 13.84                 | 13.88                 |                              | 0        |
|                                | 1       | 74        | 13.65                 | 13.63                 | 13.87                 |                              | 0        |
|                                | 36      | 0         | 14.08                 | 13.98                 | 13.97                 | 0-1                          | 0        |
|                                | 36      | 18        | 14.02                 | 13.88                 | 13.89                 |                              | 0        |
|                                | 36      | 37        | 13.95                 | 13.75                 | 13.88                 |                              | 0        |
|                                | 75      | 0         | 14.02                 | 13.87                 | 13.86                 |                              | 0        |
| 16QAM                          | 1       | 0         | 14.09                 | 14.08                 | 13.92                 | 0-1                          | 0        |
|                                | 1       | 36        | 13.95                 | 14.05                 | 14.00                 |                              | 0        |
|                                | 1       | 74        | 13.62                 | 13.84                 | 13.96                 |                              | 0        |
|                                | 36      | 0         | 13.81                 | 13.76                 | 13.73                 | 0-2                          | 0        |
|                                | 36      | 18        | 13.72                 | 13.68                 | 13.66                 |                              | 0        |
|                                | 36      | 37        | 13.63                 | 13.51                 | 13.66                 |                              | 0        |
|                                | 75      | 0         | 13.69                 | 13.67                 | 13.63                 |                              | 0        |
| 64QAM                          | 1       | 0         | 13.84                 | 13.77                 | 13.70                 | 0-2                          | 0        |
|                                | 1       | 36        | 13.77                 | 13.65                 | 13.74                 |                              | 0        |
|                                | 1       | 74        | 13.49                 | 13.49                 | 13.70                 |                              | 0        |
|                                | 36      | 0         | 13.56                 | 13.49                 | 13.49                 | 0-3                          | 0        |
|                                | 36      | 18        | 13.47                 | 13.37                 | 13.41                 |                              | 0        |
|                                | 36      | 37        | 13.39                 | 13.27                 | 13.39                 |                              | 0        |
|                                | 75      | 0         | 13.46                 | 13.35                 | 13.34                 |                              | 0        |

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 167 of 284                        |

**Table 8-247**  
**LTE Band 7 Conducted Powers Ant 2a - 10 MHz Bandwidth**

| LTE Band 7<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 20800<br>(2505.0 MHz) | 21100<br>(2535.0 MHz) | 21400<br>(2565.0 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 13.97                 | 13.77                 | 13.75                 | 0                            | 0        |
|                                | 1       | 25        | 13.93                 | 13.62                 | 13.62                 |                              | 0        |
|                                | 1       | 49        | 13.85                 | 13.52                 | 13.78                 |                              | 0        |
|                                | 25      | 0         | 13.93                 | 13.75                 | 13.67                 | 0-1                          | 0        |
|                                | 25      | 12        | 13.81                 | 13.66                 | 13.65                 |                              | 0        |
|                                | 25      | 25        | 13.72                 | 13.57                 | 13.67                 |                              | 0        |
|                                | 50      | 0         | 13.77                 | 13.67                 | 13.60                 |                              | 0        |
| 16QAM                          | 1       | 0         | 14.09                 | 13.89                 | 13.95                 | 0-1                          | 0        |
|                                | 1       | 25        | 13.97                 | 13.70                 | 13.70                 |                              | 0        |
|                                | 1       | 49        | 13.93                 | 13.78                 | 13.96                 |                              | 0        |
|                                | 25      | 0         | 13.59                 | 13.48                 | 13.35                 | 0-2                          | 0        |
|                                | 25      | 12        | 13.53                 | 13.36                 | 13.35                 |                              | 0        |
|                                | 25      | 25        | 13.46                 | 13.30                 | 13.40                 |                              | 0        |
|                                | 50      | 0         | 13.54                 | 13.40                 | 13.37                 |                              | 0        |
| 64QAM                          | 1       | 0         | 14.08                 | 13.86                 | 13.78                 | 0-2                          | 0        |
|                                | 1       | 25        | 13.92                 | 13.69                 | 13.71                 |                              | 0        |
|                                | 1       | 49        | 13.70                 | 13.56                 | 13.89                 |                              | 0        |
|                                | 25      | 0         | 13.58                 | 13.45                 | 13.33                 | 0-3                          | 0        |
|                                | 25      | 12        | 13.49                 | 13.34                 | 13.33                 |                              | 0        |
|                                | 25      | 25        | 13.46                 | 13.27                 | 13.36                 |                              | 0        |
|                                | 50      | 0         | 13.49                 | 13.35                 | 13.33                 |                              | 0        |

**Table 8-248**  
**LTE Band 7 Conducted Powers Ant 2a - 5 MHz Bandwidth**

| LTE Band 7<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                    | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                               |         |           | 20775<br>(2502.5 MHz) | 21100<br>(2535.0 MHz) | 21425<br>(2567.5 MHz) |                              |          |
|                               |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                          | 1       | 0         | 13.82                 | 13.72                 | 13.51                 | 0                            | 0        |
|                               | 1       | 12        | 13.88                 | 13.62                 | 13.54                 |                              | 0        |
|                               | 1       | 24        | 13.79                 | 13.58                 | 13.68                 |                              | 0        |
|                               | 12      | 0         | 13.93                 | 13.74                 | 13.58                 | 0-1                          | 0        |
|                               | 12      | 6         | 13.93                 | 13.69                 | 13.58                 |                              | 0        |
|                               | 12      | 13        | 13.90                 | 13.71                 | 13.70                 |                              | 0        |
|                               | 25      | 0         | 13.95                 | 13.68                 | 13.67                 |                              | 0        |
| 16QAM                         | 1       | 0         | 13.90                 | 13.80                 | 13.64                 | 0-1                          | 0        |
|                               | 1       | 12        | 13.91                 | 13.72                 | 13.67                 |                              | 0        |
|                               | 1       | 24        | 13.84                 | 13.65                 | 13.90                 |                              | 0        |
|                               | 12      | 0         | 13.65                 | 13.45                 | 13.48                 | 0-2                          | 0        |
|                               | 12      | 6         | 13.58                 | 13.43                 | 13.54                 |                              | 0        |
|                               | 12      | 13        | 13.58                 | 13.41                 | 13.53                 |                              | 0        |
|                               | 25      | 0         | 13.53                 | 13.42                 | 13.47                 |                              | 0        |
| 64QAM                         | 1       | 0         | 13.91                 | 13.73                 | 13.71                 | 0-2                          | 0        |
|                               | 1       | 12        | 14.03                 | 13.75                 | 13.70                 |                              | 0        |
|                               | 1       | 24        | 14.07                 | 13.77                 | 13.85                 |                              | 0        |
|                               | 12      | 0         | 13.62                 | 13.42                 | 13.43                 | 0-3                          | 0        |
|                               | 12      | 6         | 13.57                 | 13.38                 | 13.37                 |                              | 0        |
|                               | 12      | 13        | 13.64                 | 13.41                 | 13.45                 |                              | 0        |
|                               | 25      | 0         | 13.55                 | 13.42                 | 13.35                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 168 of 284                 |

**Table 8-249**  
**LTE Band 7 Conducted Powers Ant 2a - 20 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 7       |         |           |                       |                       |                       |                              |          |
|------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| 20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
| Modulation       | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                  |         |           | 20850<br>(2510.0 MHz) | 21100<br>(2535.0 MHz) | 21350<br>(2560.0 MHz) |                              |          |
|                  |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK             | 1       | 0         | 11.04                 | 10.91                 | 10.68                 | 0                            | 0        |
|                  | 1       | 50        | 10.88                 | 10.67                 | 10.72                 |                              | 0        |
|                  | 1       | 99        | 10.76                 | 10.66                 | 10.82                 |                              | 0        |
|                  | 50      | 0         | 10.89                 | 10.75                 | 10.74                 | 0-1                          | 0        |
|                  | 50      | 25        | 10.85                 | 10.64                 | 10.70                 |                              | 0        |
|                  | 50      | 50        | 10.76                 | 10.58                 | 10.63                 |                              | 0        |
|                  | 100     | 0         | 10.78                 | 10.60                 | 10.64                 |                              | 0        |
| 16QAM            | 1       | 0         | 11.06                 | 10.52                 | 10.56                 | 0-1                          | 0        |
|                  | 1       | 50        | 10.82                 | 10.59                 | 10.58                 |                              | 0        |
|                  | 1       | 99        | 10.65                 | 10.55                 | 10.71                 |                              | 0        |
|                  | 50      | 0         | 10.55                 | 10.47                 | 10.42                 | 0-2                          | 0        |
|                  | 50      | 25        | 10.53                 | 10.37                 | 10.38                 |                              | 0        |
|                  | 50      | 50        | 10.53                 | 10.28                 | 10.35                 |                              | 0        |
|                  | 100     | 0         | 10.46                 | 10.30                 | 10.36                 |                              | 0        |
| 64QAM            | 1       | 0         | 10.94                 | 11.00                 | 10.49                 | 0-2                          | 0        |
|                  | 1       | 50        | 10.74                 | 10.72                 | 10.46                 |                              | 0        |
|                  | 1       | 99        | 10.75                 | 10.67                 | 10.61                 |                              | 0        |
|                  | 50      | 0         | 10.61                 | 10.57                 | 10.43                 | 0-3                          | 0        |
|                  | 50      | 25        | 10.53                 | 10.46                 | 10.39                 |                              | 0        |
|                  | 50      | 50        | 10.46                 | 10.33                 | 10.37                 |                              | 0        |
|                  | 100     | 0         | 10.46                 | 10.36                 | 10.36                 |                              | 0        |

**Table 8-250**  
**LTE Band 7 Conducted Powers Ant 2a - 15 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 7<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 20825<br>(2507.5 MHz) | 21100<br>(2535.0 MHz) | 21375<br>(2562.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 11.02                 | 10.73                 | 10.57                 | 0                            | 0        |
|                                | 1       | 36        | 10.93                 | 10.56                 | 10.47                 |                              | 0        |
|                                | 1       | 74        | 10.73                 | 10.51                 | 10.57                 |                              | 0        |
|                                | 36      | 0         | 10.88                 | 10.69                 | 10.64                 | 0-1                          | 0        |
|                                | 36      | 18        | 10.77                 | 10.58                 | 10.57                 |                              | 0        |
|                                | 36      | 37        | 10.73                 | 10.57                 | 10.59                 |                              | 0        |
|                                | 75      | 0         | 10.78                 | 10.60                 | 10.56                 |                              | 0        |
| 16QAM                          | 1       | 0         | 11.10                 | 10.91                 | 10.70                 | 0-1                          | 0        |
|                                | 1       | 36        | 11.00                 | 10.65                 | 10.46                 |                              | 0        |
|                                | 1       | 74        | 10.79                 | 10.79                 | 10.73                 |                              | 0        |
|                                | 36      | 0         | 10.83                 | 10.70                 | 10.60                 | 0-2                          | 0        |
|                                | 36      | 18        | 10.80                 | 10.59                 | 10.53                 |                              | 0        |
|                                | 36      | 37        | 10.74                 | 10.57                 | 10.54                 |                              | 0        |
|                                | 75      | 0         | 10.76                 | 10.61                 | 10.53                 |                              | 0        |
| 64QAM                          | 1       | 0         | 10.72                 | 10.92                 | 11.10                 | 0-2                          | 0        |
|                                | 1       | 36        | 10.81                 | 10.72                 | 10.96                 |                              | 0        |
|                                | 1       | 74        | 10.56                 | 10.79                 | 10.84                 |                              | 0        |
|                                | 36      | 0         | 10.85                 | 10.69                 | 10.64                 | 0-3                          | 0        |
|                                | 36      | 18        | 10.76                 | 10.62                 | 10.57                 |                              | 0        |
|                                | 36      | 37        | 10.73                 | 10.56                 | 10.55                 |                              | 0        |
|                                | 75      | 0         | 10.74                 | 10.60                 | 10.54                 |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 169 of 284                 |

**Table 8-251**  
**LTE Band 7 Conducted Powers Ant 2a - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 7<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 20800<br>(2505.0 MHz) | 21100<br>(2535.0 MHz) | 21400<br>(2565.0 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 10.85                 | 10.76                 | 10.65                 | 0                            | 0        |
|                                | 1       | 25        | 10.89                 | 10.62                 | 10.55                 |                              | 0        |
|                                | 1       | 49        | 10.81                 | 10.57                 | 10.73                 |                              | 0        |
|                                | 25      | 0         | 11.00                 | 10.67                 | 10.62                 | 0-1                          | 0        |
|                                | 25      | 12        | 10.87                 | 10.56                 | 10.59                 |                              | 0        |
|                                | 25      | 25        | 10.78                 | 10.56                 | 10.63                 |                              | 0        |
|                                | 50      | 0         | 10.86                 | 10.59                 | 10.57                 |                              | 0        |
| 16QAM                          | 1       | 0         | 10.94                 | 10.82                 | 10.75                 | 0-1                          | 0        |
|                                | 1       | 25        | 10.93                 | 10.74                 | 10.54                 |                              | 0        |
|                                | 1       | 49        | 10.96                 | 10.76                 | 10.87                 |                              | 0        |
|                                | 25      | 0         | 10.91                 | 10.63                 | 10.57                 | 0-2                          | 0        |
|                                | 25      | 12        | 10.83                 | 10.53                 | 10.58                 |                              | 0        |
|                                | 25      | 25        | 10.78                 | 10.52                 | 10.62                 |                              | 0        |
|                                | 50      | 0         | 10.84                 | 10.55                 | 10.58                 |                              | 0        |
| 64QAM                          | 1       | 0         | 11.04                 | 10.74                 | 11.05                 | 0-2                          | 0        |
|                                | 1       | 25        | 10.98                 | 10.63                 | 10.95                 |                              | 0        |
|                                | 1       | 49        | 10.93                 | 10.72                 | 10.91                 |                              | 0        |
|                                | 25      | 0         | 10.91                 | 10.65                 | 10.61                 | 0-3                          | 0        |
|                                | 25      | 12        | 10.85                 | 10.50                 | 10.59                 |                              | 0        |
|                                | 25      | 25        | 10.79                 | 10.56                 | 10.64                 |                              | 0        |
|                                | 50      | 0         | 10.85                 | 10.56                 | 10.55                 |                              | 0        |

**Table 8-252**  
**LTE Band 7 Conducted Powers Ant 2a - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 7<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                    | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                               |         |           | 20775<br>(2502.5 MHz) | 21100<br>(2535.0 MHz) | 21425<br>(2567.5 MHz) |                              |          |
|                               |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                          | 1       | 0         | 10.89                 | 10.77                 | 10.51                 | 0                            | 0        |
|                               | 1       | 12        | 11.01                 | 10.70                 | 10.46                 |                              | 0        |
|                               | 1       | 24        | 10.99                 | 10.81                 | 10.61                 |                              | 0        |
|                               | 12      | 0         | 10.99                 | 10.72                 | 10.63                 | 0-1                          | 0        |
|                               | 12      | 6         | 11.01                 | 10.70                 | 10.58                 |                              | 0        |
|                               | 12      | 13        | 11.00                 | 10.72                 | 10.73                 |                              | 0        |
|                               | 25      | 0         | 11.00                 | 10.75                 | 10.60                 |                              | 0        |
| 16QAM                         | 1       | 0         | 11.05                 | 10.93                 | 10.77                 | 0-1                          | 0        |
|                               | 1       | 12        | 11.10                 | 10.87                 | 10.62                 |                              | 0        |
|                               | 1       | 24        | 11.06                 | 10.87                 | 10.84                 |                              | 0        |
|                               | 12      | 0         | 11.01                 | 10.78                 | 10.56                 | 0-2                          | 0        |
|                               | 12      | 6         | 10.94                 | 10.78                 | 10.59                 |                              | 0        |
|                               | 12      | 13        | 11.01                 | 10.74                 | 10.71                 |                              | 0        |
|                               | 25      | 0         | 10.97                 | 10.77                 | 10.57                 |                              | 0        |
| 64QAM                         | 1       | 0         | 11.04                 | 11.06                 | 10.80                 | 0-2                          | 0        |
|                               | 1       | 12        | 11.04                 | 11.00                 | 10.83                 |                              | 0        |
|                               | 1       | 24        | 11.10                 | 11.06                 | 10.97                 |                              | 0        |
|                               | 12      | 0         | 10.98                 | 10.68                 | 10.59                 | 0-3                          | 0        |
|                               | 12      | 6         | 10.95                 | 10.67                 | 10.65                 |                              | 0        |
|                               | 12      | 13        | 11.01                 | 10.73                 | 10.64                 |                              | 0        |
|                               | 25      | 0         | 10.91                 | 10.71                 | 10.54                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 170 of 284                 |

**Table 8-253**  
**LTE Band 7 Conducted Powers Ant 2b - 20 MHz Bandwidth**

| LTE Band 7<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 20850<br>(2510.0 MHz) | 21100<br>(2535.0 MHz) | 21350<br>(2560.0 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 11.60                 | 11.63                 | 11.35                 | 0                            | 0        |
|                                | 1       | 50        | 11.42                 | 11.43                 | 11.31                 |                              | 0        |
|                                | 1       | 99        | 11.38                 | 11.22                 | 11.40                 |                              | 0        |
|                                | 50      | 0         | 11.44                 | 11.45                 | 11.23                 | 0-1                          | 0        |
|                                | 50      | 25        | 11.31                 | 11.40                 | 11.23                 |                              | 0        |
|                                | 50      | 50        | 11.27                 | 11.20                 | 11.19                 |                              | 0        |
|                                | 100     | 0         | 11.35                 | 11.37                 | 11.22                 |                              | 0        |
| 16QAM                          | 1       | 0         | 11.50                 | 11.65                 | 11.27                 | 0-1                          | 0        |
|                                | 1       | 50        | 11.23                 | 11.40                 | 11.20                 |                              | 0        |
|                                | 1       | 99        | 11.25                 | 11.30                 | 11.25                 |                              | 0        |
|                                | 50      | 0         | 11.18                 | 11.24                 | 10.97                 | 0-2                          | 0        |
|                                | 50      | 25        | 11.04                 | 11.12                 | 10.83                 |                              | 0        |
|                                | 50      | 50        | 11.02                 | 11.00                 | 10.89                 |                              | 0        |
|                                | 100     | 0         | 11.05                 | 11.09                 | 10.94                 |                              | 0        |
| 64QAM                          | 1       | 0         | 11.61                 | 11.65                 | 11.28                 | 0-2                          | 0        |
|                                | 1       | 50        | 11.34                 | 11.30                 | 11.13                 |                              | 0        |
|                                | 1       | 99        | 11.33                 | 11.17                 | 11.21                 |                              | 0        |
|                                | 50      | 0         | 11.21                 | 11.22                 | 10.96                 | 0-3                          | 0        |
|                                | 50      | 25        | 11.17                 | 11.09                 | 10.98                 |                              | 0        |
|                                | 50      | 50        | 11.01                 | 10.95                 | 10.91                 |                              | 0        |
|                                | 100     | 0         | 11.05                 | 11.02                 | 10.97                 |                              | 0        |

**Table 8-254**  
**LTE Band 7 Conducted Powers Ant 2b - 15 MHz Bandwidth**

| LTE Band 7<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 20825<br>(2507.5 MHz) | 21100<br>(2535.0 MHz) | 21375<br>(2562.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 11.52                 | 11.63                 | 11.43                 | 0                            | 0        |
|                                | 1       | 36        | 11.63                 | 11.50                 | 11.40                 |                              | 0        |
|                                | 1       | 74        | 11.48                 | 11.21                 | 11.32                 |                              | 0        |
|                                | 36      | 0         | 11.56                 | 11.52                 | 11.28                 | 0-1                          | 0        |
|                                | 36      | 18        | 11.58                 | 11.48                 | 11.23                 |                              | 0        |
|                                | 36      | 37        | 11.54                 | 11.31                 | 11.18                 |                              | 0        |
|                                | 75      | 0         | 11.49                 | 11.44                 | 11.20                 |                              | 0        |
| 16QAM                          | 1       | 0         | 11.43                 | 11.63                 | 11.47                 | 0-1                          | 0        |
|                                | 1       | 36        | 11.51                 | 11.38                 | 11.43                 |                              | 0        |
|                                | 1       | 74        | 11.32                 | 11.32                 | 11.47                 |                              | 0        |
|                                | 36      | 0         | 11.28                 | 11.18                 | 11.02                 | 0-2                          | 0        |
|                                | 36      | 18        | 11.30                 | 11.12                 | 10.98                 |                              | 0        |
|                                | 36      | 37        | 11.21                 | 10.99                 | 10.90                 |                              | 0        |
|                                | 75      | 0         | 11.28                 | 11.05                 | 11.00                 |                              | 0        |
| 64QAM                          | 1       | 0         | 11.41                 | 11.55                 | 11.50                 | 0-2                          | 0        |
|                                | 1       | 36        | 11.43                 | 11.61                 | 11.47                 |                              | 0        |
|                                | 1       | 74        | 11.20                 | 11.26                 | 11.39                 |                              | 0        |
|                                | 36      | 0         | 11.30                 | 11.17                 | 11.01                 | 0-3                          | 0        |
|                                | 36      | 18        | 11.28                 | 11.10                 | 11.00                 |                              | 0        |
|                                | 36      | 37        | 11.21                 | 11.00                 | 10.91                 |                              | 0        |
|                                | 75      | 0         | 11.28                 | 11.08                 | 10.98                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 171 of 284                 |

**Table 8-255**  
**LTE Band 7 Conducted Powers Ant 2b - 10 MHz Bandwidth**

| LTE Band 7<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 20800<br>(2505.0 MHz) | 21100<br>(2535.0 MHz) | 21400<br>(2565.0 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 11.60                 | 11.64                 | 11.45                 | 0                            | 0        |
|                                | 1       | 25        | 11.66                 | 11.51                 | 11.38                 |                              | 0        |
|                                | 1       | 49        | 11.69                 | 11.30                 | 11.47                 |                              | 0        |
|                                | 25      | 0         | 11.59                 | 11.61                 | 11.37                 | 0-1                          | 0        |
|                                | 25      | 12        | 11.65                 | 11.48                 | 11.34                 |                              | 0        |
|                                | 25      | 25        | 11.64                 | 11.36                 | 11.29                 |                              | 0        |
|                                | 50      | 0         | 11.65                 | 11.48                 | 11.32                 |                              | 0        |
| 16QAM                          | 1       | 0         | 11.72                 | 11.67                 | 11.60                 | 0-1                          | 0        |
|                                | 1       | 25        | 11.57                 | 11.45                 | 11.52                 |                              | 0        |
|                                | 1       | 49        | 11.65                 | 11.46                 | 11.73                 |                              | 0        |
|                                | 25      | 0         | 11.26                 | 11.12                 | 11.11                 | 0-2                          | 0        |
|                                | 25      | 12        | 11.29                 | 11.08                 | 11.06                 |                              | 0        |
|                                | 25      | 25        | 11.23                 | 11.00                 | 11.09                 |                              | 0        |
|                                | 50      | 0         | 11.27                 | 11.08                 | 11.07                 |                              | 0        |
| 64QAM                          | 1       | 0         | 11.66                 | 11.51                 | 11.44                 | 0-2                          | 0        |
|                                | 1       | 25        | 11.55                 | 11.54                 | 11.55                 |                              | 0        |
|                                | 1       | 49        | 11.69                 | 11.35                 | 11.65                 |                              | 0        |
|                                | 25      | 0         | 11.26                 | 11.18                 | 11.09                 | 0-3                          | 0        |
|                                | 25      | 12        | 11.26                 | 11.05                 | 11.08                 |                              | 0        |
|                                | 25      | 25        | 11.24                 | 11.03                 | 11.10                 |                              | 0        |
|                                | 50      | 0         | 11.28                 | 11.10                 | 11.10                 |                              | 0        |

**Table 8-256**  
**LTE Band 7 Conducted Powers Ant 2b - 5 MHz Bandwidth**

| LTE Band 7<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                    | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                               |         |           | 20775<br>(2502.5 MHz) | 21100<br>(2535.0 MHz) | 21425<br>(2567.5 MHz) |                              |          |
|                               |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                          | 1       | 0         | 11.39                 | 11.44                 | 11.34                 | 0                            | 0        |
|                               | 1       | 12        | 11.34                 | 11.34                 | 11.36                 |                              | 0        |
|                               | 1       | 24        | 11.44                 | 11.25                 | 11.47                 |                              | 0        |
|                               | 12      | 0         | 11.44                 | 11.33                 | 11.24                 | 0-1                          | 0        |
|                               | 12      | 6         | 11.43                 | 11.30                 | 11.28                 |                              | 0        |
|                               | 12      | 13        | 11.54                 | 11.31                 | 11.38                 |                              | 0        |
|                               | 25      | 0         | 11.47                 | 11.33                 | 11.32                 |                              | 0        |
| 16QAM                         | 1       | 0         | 11.80                 | 11.74                 | 11.31                 | 0-1                          | 0        |
|                               | 1       | 12        | 11.69                 | 11.50                 | 11.18                 |                              | 0        |
|                               | 1       | 24        | 11.70                 | 11.60                 | 11.49                 |                              | 0        |
|                               | 12      | 0         | 11.37                 | 11.23                 | 11.00                 | 0-2                          | 0        |
|                               | 12      | 6         | 11.35                 | 11.27                 | 10.96                 |                              | 0        |
|                               | 12      | 13        | 11.41                 | 11.22                 | 11.07                 |                              | 0        |
|                               | 25      | 0         | 11.36                 | 11.21                 | 10.96                 |                              | 0        |
| 64QAM                         | 1       | 0         | 11.78                 | 11.73                 | 11.32                 | 0-2                          | 0        |
|                               | 1       | 12        | 11.76                 | 11.60                 | 11.26                 |                              | 0        |
|                               | 1       | 24        | 11.79                 | 11.61                 | 11.33                 |                              | 0        |
|                               | 12      | 0         | 11.36                 | 11.25                 | 10.97                 | 0-3                          | 0        |
|                               | 12      | 6         | 11.37                 | 11.27                 | 10.97                 |                              | 0        |
|                               | 12      | 13        | 11.45                 | 11.16                 | 11.08                 |                              | 0        |
|                               | 25      | 0         | 11.37                 | 11.21                 | 10.95                 |                              | 0        |

|                                         |                                                                                                                  |                            |  |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  |  | Page 172 of 284                 |

Table 8-257

## LTE Band 7 Conducted Powers Ant 2b - 20 MHz Bandwidth, Inter-band ULCA Active

| LTE Band 7       |         |           |                       |                       |                       |                              |          |
|------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| 20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
| Modulation       | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                  |         |           | 20850<br>(2510.0 MHz) | 21100<br>(2535.0 MHz) | 21350<br>(2560.0 MHz) |                              |          |
|                  |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK             | 1       | 0         | 8.80                  | 8.67                  | 8.51                  | 0                            | 0        |
|                  | 1       | 50        | 8.49                  | 8.34                  | 8.42                  |                              | 0        |
|                  | 1       | 99        | 8.40                  | 8.25                  | 8.46                  |                              | 0        |
|                  | 50      | 0         | 8.63                  | 8.46                  | 8.33                  | 0-1                          | 0        |
|                  | 50      | 25        | 8.51                  | 8.41                  | 8.32                  |                              | 0        |
|                  | 50      | 50        | 8.35                  | 8.28                  | 8.30                  |                              | 0        |
|                  | 100     | 0         | 8.41                  | 8.33                  | 8.29                  |                              | 0        |
| 16QAM            | 1       | 0         | 8.70                  | 8.50                  | 8.33                  | 0-1                          | 0        |
|                  | 1       | 50        | 8.24                  | 8.29                  | 8.49                  |                              | 0        |
|                  | 1       | 99        | 8.33                  | 8.31                  | 8.61                  |                              | 0        |
|                  | 50      | 0         | 8.21                  | 8.18                  | 8.06                  | 0-2                          | 0        |
|                  | 50      | 25        | 8.14                  | 8.14                  | 8.14                  |                              | 0        |
|                  | 50      | 50        | 8.10                  | 8.07                  | 8.16                  |                              | 0        |
|                  | 100     | 0         | 8.08                  | 8.14                  | 8.14                  |                              | 0        |
| 64QAM            | 1       | 0         | 8.60                  | 8.44                  | 8.30                  | 0-2                          | 0        |
|                  | 1       | 50        | 8.47                  | 8.08                  | 8.38                  |                              | 0        |
|                  | 1       | 99        | 8.48                  | 8.21                  | 8.45                  |                              | 0        |
|                  | 50      | 0         | 8.31                  | 8.19                  | 8.11                  | 0-3                          | 0        |
|                  | 50      | 25        | 8.19                  | 8.19                  | 8.14                  |                              | 0        |
|                  | 50      | 50        | 8.14                  | 8.04                  | 8.15                  |                              | 0        |
|                  | 100     | 0         | 8.16                  | 7.97                  | 8.14                  |                              | 0        |

Table 8-258

## LTE Band 7 Conducted Powers Ant 2b - 15 MHz Bandwidth, Inter-band ULCA Active

| LTE Band 7<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 20825<br>(2507.5 MHz) | 21100<br>(2535.0 MHz) | 21375<br>(2562.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 8.48                  | 8.67                  | 8.24                  | 0                            | 0        |
|                                | 1       | 36        | 8.27                  | 8.49                  | 8.23                  |                              | 0        |
|                                | 1       | 74        | 8.14                  | 8.46                  | 8.49                  |                              | 0        |
|                                | 36      | 0         | 8.47                  | 8.37                  | 8.31                  | 0-1                          | 0        |
|                                | 36      | 18        | 8.40                  | 8.37                  | 8.31                  |                              | 0        |
|                                | 36      | 37        | 8.33                  | 8.33                  | 8.45                  |                              | 0        |
|                                | 75      | 0         | 8.40                  | 8.39                  | 8.32                  |                              | 0        |
| 16QAM                          | 1       | 0         | 8.59                  | 8.75                  | 8.33                  | 0-1                          | 0        |
|                                | 1       | 36        | 8.27                  | 8.38                  | 8.39                  |                              | 0        |
|                                | 1       | 74        | 8.23                  | 8.34                  | 8.59                  |                              | 0        |
|                                | 36      | 0         | 8.46                  | 8.28                  | 8.29                  | 0-2                          | 0        |
|                                | 36      | 18        | 8.37                  | 8.22                  | 8.19                  |                              | 0        |
|                                | 36      | 37        | 8.33                  | 8.15                  | 8.43                  |                              | 0        |
|                                | 75      | 0         | 8.35                  | 8.23                  | 8.31                  |                              | 0        |
| 64QAM                          | 1       | 0         | 8.80                  | 8.49                  | 8.39                  | 0-2                          | 0        |
|                                | 1       | 36        | 8.66                  | 8.13                  | 8.55                  |                              | 0        |
|                                | 1       | 74        | 8.44                  | 8.43                  | 8.61                  |                              | 0        |
|                                | 36      | 0         | 8.42                  | 8.29                  | 8.26                  | 0-3                          | 0        |
|                                | 36      | 18        | 8.46                  | 8.24                  | 8.31                  |                              | 0        |
|                                | 36      | 37        | 8.49                  | 8.13                  | 8.34                  |                              | 0        |
|                                | 75      | 0         | 8.46                  | 8.24                  | 8.32                  |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 173 of 284                 |

**Table 8-259**  
**LTE Band 7 Conducted Powers Ant 2b - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 7       |         |           |                       |                       |                       |                              |          |
|------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| 10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
| Modulation       | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                  |         |           | 20800<br>(2505.0 MHz) | 21100<br>(2535.0 MHz) | 21400<br>(2565.0 MHz) |                              |          |
|                  |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK             | 1       | 0         | 8.48                  | 8.41                  | 8.13                  | 0                            | 0        |
|                  | 1       | 25        | 8.35                  | 8.27                  | 8.29                  |                              | 0        |
|                  | 1       | 49        | 8.43                  | 8.40                  | 8.23                  |                              | 0        |
|                  | 25      | 0         | 8.42                  | 8.35                  | 8.10                  | 0-1                          | 0        |
|                  | 25      | 12        | 8.46                  | 8.33                  | 8.25                  |                              | 0        |
|                  | 25      | 25        | 8.49                  | 8.33                  | 8.21                  |                              | 0        |
|                  | 50      | 0         | 8.46                  | 8.39                  | 8.23                  |                              | 0        |
| 16QAM            | 1       | 0         | 8.55                  | 8.64                  | 8.25                  | 0-1                          | 0        |
|                  | 1       | 25        | 8.55                  | 8.51                  | 8.37                  |                              | 0        |
|                  | 1       | 49        | 8.59                  | 8.57                  | 8.45                  |                              | 0        |
|                  | 25      | 0         | 8.36                  | 8.34                  | 8.10                  | 0-2                          | 0        |
|                  | 25      | 12        | 8.41                  | 8.29                  | 8.23                  |                              | 0        |
|                  | 25      | 25        | 8.45                  | 8.33                  | 8.21                  |                              | 0        |
|                  | 50      | 0         | 8.46                  | 8.36                  | 8.19                  |                              | 0        |
| 64QAM            | 1       | 0         | 8.56                  | 8.57                  | 8.59                  | 0-2                          | 0        |
|                  | 1       | 25        | 8.58                  | 8.44                  | 8.66                  |                              | 0        |
|                  | 1       | 49        | 8.45                  | 8.14                  | 8.80                  |                              | 0        |
|                  | 25      | 0         | 8.45                  | 8.23                  | 8.27                  | 0-3                          | 0        |
|                  | 25      | 12        | 8.39                  | 8.09                  | 8.37                  |                              | 0        |
|                  | 25      | 25        | 8.37                  | 8.06                  | 8.42                  |                              | 0        |
|                  | 50      | 0         | 8.41                  | 8.22                  | 8.36                  |                              | 0        |

**Table 8-260**  
**LTE Band 7 Conducted Powers Ant 2b - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 7<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                    | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                               |         |           | 20775<br>(2502.5 MHz) | 21100<br>(2535.0 MHz) | 21425<br>(2567.5 MHz) |                              |          |
|                               |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                          | 1       | 0         | 8.65                  | 8.41                  | 8.36                  | 0                            | 0        |
|                               | 1       | 12        | 8.54                  | 8.34                  | 8.28                  |                              | 0        |
|                               | 1       | 24        | 8.52                  | 8.42                  | 8.35                  |                              | 0        |
|                               | 12      | 0         | 8.53                  | 8.34                  | 8.40                  | 0-1                          | 0        |
|                               | 12      | 6         | 8.50                  | 8.27                  | 8.41                  |                              | 0        |
|                               | 12      | 13        | 8.49                  | 8.19                  | 8.45                  |                              | 0        |
|                               | 25      | 0         | 8.54                  | 8.31                  | 8.38                  |                              | 0        |
| 16QAM                         | 1       | 0         | 8.77                  | 8.49                  | 8.44                  | 0-1                          | 0        |
|                               | 1       | 12        | 8.65                  | 8.43                  | 8.45                  |                              | 0        |
|                               | 1       | 24        | 8.66                  | 8.54                  | 8.54                  |                              | 0        |
|                               | 12      | 0         | 8.62                  | 8.33                  | 8.42                  | 0-2                          | 0        |
|                               | 12      | 6         | 8.56                  | 8.27                  | 8.34                  |                              | 0        |
|                               | 12      | 13        | 8.55                  | 8.15                  | 8.41                  |                              | 0        |
|                               | 25      | 0         | 8.49                  | 8.26                  | 8.36                  |                              | 0        |
| 64QAM                         | 1       | 0         | 8.69                  | 8.68                  | 8.74                  | 0-2                          | 0        |
|                               | 1       | 12        | 8.65                  | 8.45                  | 8.75                  |                              | 0        |
|                               | 1       | 24        | 8.69                  | 8.59                  | 8.76                  |                              | 0        |
|                               | 12      | 0         | 8.58                  | 8.33                  | 8.36                  | 0-3                          | 0        |
|                               | 12      | 6         | 8.57                  | 8.25                  | 8.38                  |                              | 0        |
|                               | 12      | 13        | 8.51                  | 8.19                  | 8.48                  |                              | 0        |
|                               | 25      | 0         | 8.54                  | 8.29                  | 8.36                  |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 174 of 284                 |

**Table 8-261**  
**LTE Band 7 Conducted Powers Ant 4a - 20 MHz Bandwidth**

| LTE Band 7       |         |           |                       |                       |                       |                              |          |
|------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| 20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
| Modulation       | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                  |         |           | 20850<br>(2510.0 MHz) | 21100<br>(2535.0 MHz) | 21350<br>(2560.0 MHz) |                              |          |
|                  |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK             | 1       | 0         | 14.42                 | 14.34                 | 14.23                 | 0                            | 0        |
|                  | 1       | 50        | 14.50                 | 14.27                 | 14.05                 |                              | 0        |
|                  | 1       | 99        | 14.60                 | 14.46                 | 14.33                 |                              | 0        |
|                  | 50      | 0         | 14.32                 | 14.26                 | 14.20                 | 0-1                          | 0        |
|                  | 50      | 25        | 14.38                 | 14.27                 | 14.10                 |                              | 0        |
|                  | 50      | 50        | 14.53                 | 14.33                 | 14.24                 |                              | 0        |
|                  | 100     | 0         | 14.45                 | 14.29                 | 14.18                 |                              | 0        |
| 16QAM            | 1       | 0         | 14.56                 | 14.30                 | 14.53                 | 0-1                          | 0        |
|                  | 1       | 50        | 14.45                 | 14.32                 | 14.33                 |                              | 0        |
|                  | 1       | 99        | 14.60                 | 14.31                 | 14.45                 |                              | 0        |
|                  | 50      | 0         | 13.74                 | 13.85                 | 13.82                 | 0-2                          | 0        |
|                  | 50      | 25        | 13.80                 | 13.76                 | 13.75                 |                              | 0        |
|                  | 50      | 50        | 13.98                 | 13.83                 | 13.73                 |                              | 0        |
|                  | 100     | 0         | 13.85                 | 13.78                 | 13.70                 |                              | 0        |
| 64QAM            | 1       | 0         | 13.89                 | 14.28                 | 14.26                 | 0-2                          | 0        |
|                  | 1       | 50        | 13.92                 | 14.20                 | 14.11                 |                              | 0        |
|                  | 1       | 99        | 14.12                 | 14.45                 | 14.45                 |                              | 0        |
|                  | 50      | 0         | 13.76                 | 13.87                 | 13.81                 | 0-3                          | 0        |
|                  | 50      | 25        | 13.87                 | 13.78                 | 13.76                 |                              | 0        |
|                  | 50      | 50        | 14.10                 | 13.93                 | 13.90                 |                              | 0        |
|                  | 100     | 0         | 13.92                 | 13.80                 | 13.80                 |                              | 0        |

**Table 8-262**  
**LTE Band 7 Conducted Powers Ant 4a - 15 MHz Bandwidth**

| LTE Band 7<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 20825<br>(2507.5 MHz) | 21100<br>(2535.0 MHz) | 21375<br>(2562.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 14.25                 | 14.21                 | 14.17                 | 0                            | 0        |
|                                | 1       | 36        | 14.30                 | 14.24                 | 14.20                 |                              | 0        |
|                                | 1       | 74        | 14.50                 | 14.30                 | 14.27                 |                              | 0        |
|                                | 36      | 0         | 14.17                 | 14.25                 | 14.17                 | 0-1                          | 0        |
|                                | 36      | 18        | 14.16                 | 14.23                 | 14.26                 |                              | 0        |
|                                | 36      | 37        | 14.31                 | 14.31                 | 14.31                 |                              | 0        |
|                                | 75      | 0         | 14.16                 | 14.21                 | 14.25                 |                              | 0        |
| 16QAM                          | 1       | 0         | 14.14                 | 14.09                 | 14.18                 | 0-1                          | 0        |
|                                | 1       | 36        | 14.14                 | 14.13                 | 14.07                 |                              | 0        |
|                                | 1       | 74        | 14.38                 | 14.20                 | 14.15                 |                              | 0        |
|                                | 36      | 0         | 13.93                 | 14.05                 | 13.98                 | 0-2                          | 0        |
|                                | 36      | 18        | 13.97                 | 14.05                 | 14.06                 |                              | 0        |
|                                | 36      | 37        | 14.11                 | 14.11                 | 14.07                 |                              | 0        |
|                                | 75      | 0         | 13.92                 | 13.99                 | 14.01                 |                              | 0        |
| 64QAM                          | 1       | 0         | 14.16                 | 14.17                 | 14.27                 | 0-2                          | 0        |
|                                | 1       | 36        | 14.02                 | 14.26                 | 14.39                 |                              | 0        |
|                                | 1       | 74        | 14.47                 | 14.19                 | 14.47                 |                              | 0        |
|                                | 36      | 0         | 13.95                 | 14.07                 | 13.93                 | 0-3                          | 0        |
|                                | 36      | 18        | 13.96                 | 14.04                 | 14.05                 |                              | 0        |
|                                | 36      | 37        | 14.12                 | 14.12                 | 14.06                 |                              | 0        |
|                                | 75      | 0         | 13.89                 | 13.96                 | 14.01                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 175 of 284                 |

**Table 8-263**  
**LTE Band 7 Conducted Powers Ant 4a - 10 MHz Bandwidth**

| LTE Band 7<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 20800<br>(2505.0 MHz) | 21100<br>(2535.0 MHz) | 21400<br>(2565.0 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 14.10                 | 14.23                 | 14.09                 | 0                            | 0        |
|                                | 1       | 25        | 14.15                 | 14.15                 | 14.17                 |                              | 0        |
|                                | 1       | 49        | 14.23                 | 14.28                 | 14.29                 |                              | 0        |
|                                | 25      | 0         | 14.22                 | 14.26                 | 14.17                 | 0-1                          | 0        |
|                                | 25      | 12        | 14.19                 | 14.17                 | 14.26                 |                              | 0        |
|                                | 25      | 25        | 14.18                 | 14.26                 | 14.39                 |                              | 0        |
|                                | 50      | 0         | 14.21                 | 14.17                 | 14.29                 |                              | 0        |
| 16QAM                          | 1       | 0         | 13.98                 | 14.05                 | 13.89                 | 0-1                          | 0        |
|                                | 1       | 25        | 14.08                 | 14.20                 | 14.04                 |                              | 0        |
|                                | 1       | 49        | 14.22                 | 14.26                 | 14.38                 |                              | 0        |
|                                | 25      | 0         | 14.01                 | 14.04                 | 13.97                 | 0-2                          | 0        |
|                                | 25      | 12        | 13.98                 | 13.95                 | 14.04                 |                              | 0        |
|                                | 25      | 25        | 13.98                 | 14.05                 | 14.17                 |                              | 0        |
|                                | 50      | 0         | 13.97                 | 13.96                 | 14.09                 |                              | 0        |
| 64QAM                          | 1       | 0         | 14.17                 | 14.16                 | 14.33                 | 0-2                          | 0        |
|                                | 1       | 25        | 14.08                 | 14.18                 | 14.30                 |                              | 0        |
|                                | 1       | 49        | 14.20                 | 14.34                 | 14.42                 |                              | 0        |
|                                | 25      | 0         | 13.99                 | 14.00                 | 13.98                 | 0-3                          | 0        |
|                                | 25      | 12        | 13.98                 | 13.96                 | 14.04                 |                              | 0        |
|                                | 25      | 25        | 13.95                 | 14.02                 | 14.17                 |                              | 0        |
|                                | 50      | 0         | 14.03                 | 13.95                 | 14.07                 |                              | 0        |

**Table 8-264**  
**LTE Band 7 Conducted Powers Ant 4a - 5 MHz Bandwidth**

| LTE Band 7<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                    | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                               |         |           | 20775<br>(2502.5 MHz) | 21100<br>(2535.0 MHz) | 21425<br>(2567.5 MHz) |                              |          |
|                               |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                          | 1       | 0         | 14.04                 | 14.33                 | 13.97                 | 0                            | 0        |
|                               | 1       | 12        | 14.11                 | 14.22                 | 14.11                 |                              | 0        |
|                               | 1       | 24        | 14.06                 | 14.37                 | 14.11                 |                              | 0        |
|                               | 12      | 0         | 14.10                 | 14.18                 | 14.17                 | 0-1                          | 0        |
|                               | 12      | 6         | 14.08                 | 14.19                 | 14.26                 |                              | 0        |
|                               | 12      | 13        | 14.10                 | 14.20                 | 14.26                 |                              | 0        |
|                               | 25      | 0         | 14.10                 | 14.18                 | 14.26                 |                              | 0        |
| 16QAM                         | 1       | 0         | 13.96                 | 14.15                 | 14.10                 | 0-1                          | 0        |
|                               | 1       | 12        | 14.08                 | 14.05                 | 14.11                 |                              | 0        |
|                               | 1       | 24        | 14.11                 | 14.32                 | 14.25                 |                              | 0        |
|                               | 12      | 0         | 13.87                 | 14.02                 | 13.99                 | 0-2                          | 0        |
|                               | 12      | 6         | 13.96                 | 14.08                 | 14.12                 |                              | 0        |
|                               | 12      | 13        | 13.90                 | 13.99                 | 14.05                 |                              | 0        |
|                               | 25      | 0         | 13.89                 | 13.93                 | 14.07                 |                              | 0        |
| 64QAM                         | 1       | 0         | 14.12                 | 14.14                 | 14.15                 | 0-2                          | 0        |
|                               | 1       | 12        | 13.98                 | 14.09                 | 14.05                 |                              | 0        |
|                               | 1       | 24        | 13.98                 | 14.21                 | 14.25                 |                              | 0        |
|                               | 12      | 0         | 13.86                 | 13.90                 | 13.93                 | 0-3                          | 0        |
|                               | 12      | 6         | 14.00                 | 13.83                 | 14.05                 |                              | 0        |
|                               | 12      | 13        | 13.97                 | 13.94                 | 14.07                 |                              | 0        |
|                               | 25      | 0         | 13.93                 | 13.93                 | 14.04                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 176 of 284                 |

**Table 8-265**  
**LTE Band 7 Conducted Powers Ant 4a - 20 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 7<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 20850<br>(2510.0 MHz) | 21100<br>(2535.0 MHz) | 21350<br>(2560.0 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 11.22                 | 11.37                 | 11.49                 | 0                            | 0        |
|                                | 1       | 50        | 11.18                 | 11.26                 | 11.23                 |                              | 0        |
|                                | 1       | 99        | 11.48                 | 11.56                 | 11.24                 |                              | 0        |
|                                | 50      | 0         | 11.09                 | 11.35                 | 11.27                 | 0-1                          | 0        |
|                                | 50      | 25        | 11.21                 | 11.38                 | 11.17                 |                              | 0        |
|                                | 50      | 50        | 11.41                 | 11.48                 | 11.14                 |                              | 0        |
|                                | 100     | 0         | 11.30                 | 11.38                 | 11.17                 |                              | 0        |
| 16QAM                          | 1       | 0         | 11.15                 | 11.46                 | 11.43                 | 0-1                          | 0        |
|                                | 1       | 50        | 11.29                 | 11.33                 | 11.43                 |                              | 0        |
|                                | 1       | 99        | 11.31                 | 11.42                 | 11.47                 |                              | 0        |
|                                | 50      | 0         | 10.93                 | 10.95                 | 11.06                 | 0-2                          | 0        |
|                                | 50      | 25        | 10.98                 | 10.91                 | 10.98                 |                              | 0        |
|                                | 50      | 50        | 11.06                 | 11.00                 | 11.01                 |                              | 0        |
|                                | 100     | 0         | 11.21                 | 10.99                 | 10.86                 |                              | 0        |
| 64QAM                          | 1       | 0         | 11.00                 | 11.24                 | 11.31                 | 0-2                          | 0        |
|                                | 1       | 50        | 11.07                 | 11.12                 | 11.16                 |                              | 0        |
|                                | 1       | 99        | 11.25                 | 11.24                 | 11.22                 |                              | 0        |
|                                | 50      | 0         | 11.01                 | 11.08                 | 10.91                 | 0-3                          | 0        |
|                                | 50      | 25        | 11.08                 | 11.09                 | 11.07                 |                              | 0        |
|                                | 50      | 50        | 11.09                 | 11.22                 | 11.11                 |                              | 0        |
|                                | 100     | 0         | 11.13                 | 11.10                 | 11.10                 |                              | 0        |

**Table 8-266**  
**LTE Band 7 Conducted Powers Ant 4a - 15 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 7<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 20825<br>(2507.5 MHz) | 21100<br>(2535.0 MHz) | 21375<br>(2562.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 10.95                 | 11.08                 | 11.05                 | 0                            | 0        |
|                                | 1       | 36        | 11.12                 | 10.84                 | 10.88                 |                              | 0        |
|                                | 1       | 74        | 11.29                 | 11.00                 | 10.88                 |                              | 0        |
|                                | 36      | 0         | 11.13                 | 11.03                 | 11.02                 | 0-1                          | 0        |
|                                | 36      | 18        | 11.21                 | 10.91                 | 10.95                 |                              | 0        |
|                                | 36      | 37        | 11.24                 | 11.07                 | 10.98                 |                              | 0        |
|                                | 75      | 0         | 11.21                 | 11.02                 | 10.94                 |                              | 0        |
| 16QAM                          | 1       | 0         | 11.21                 | 11.04                 | 11.14                 | 0-1                          | 0        |
|                                | 1       | 36        | 11.28                 | 10.99                 | 11.00                 |                              | 0        |
|                                | 1       | 74        | 11.35                 | 11.07                 | 10.96                 |                              | 0        |
|                                | 36      | 0         | 11.14                 | 11.00                 | 11.00                 | 0-2                          | 0        |
|                                | 36      | 18        | 11.07                 | 10.87                 | 10.99                 |                              | 0        |
|                                | 36      | 37        | 11.25                 | 11.11                 | 11.02                 |                              | 0        |
|                                | 75      | 0         | 11.16                 | 10.99                 | 10.94                 |                              | 0        |
| 64QAM                          | 1       | 0         | 11.09                 | 11.29                 | 11.25                 | 0-2                          | 0        |
|                                | 1       | 36        | 11.05                 | 10.99                 | 11.14                 |                              | 0        |
|                                | 1       | 74        | 11.27                 | 11.35                 | 11.18                 |                              | 0        |
|                                | 36      | 0         | 10.88                 | 11.04                 | 11.04                 | 0-3                          | 0        |
|                                | 36      | 18        | 10.94                 | 11.05                 | 11.00                 |                              | 0        |
|                                | 36      | 37        | 11.00                 | 11.15                 | 11.06                 |                              | 0        |
|                                | 75      | 0         | 10.98                 | 11.03                 | 11.01                 |                              | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 177 of 284                 |

**Table 8-267**  
**LTE Band 7 Conducted Powers Ant 4a - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 7       |         |           |                       |                       |                       |                              |          |
|------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| 10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
| Modulation       | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                  |         |           | 20800<br>(2505.0 MHz) | 21100<br>(2535.0 MHz) | 21400<br>(2565.0 MHz) |                              |          |
|                  |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK             | 1       | 0         | 10.95                 | 11.24                 | 11.04                 | 0                            | 0        |
|                  | 1       | 25        | 10.88                 | 11.26                 | 11.04                 |                              | 0        |
|                  | 1       | 49        | 11.16                 | 11.10                 | 11.07                 |                              | 0        |
|                  | 25      | 0         | 11.11                 | 11.10                 | 10.98                 | 0-1                          | 0        |
|                  | 25      | 12        | 11.15                 | 10.96                 | 11.02                 |                              | 0        |
|                  | 25      | 25        | 11.20                 | 11.12                 | 11.15                 |                              | 0        |
|                  | 50      | 0         | 11.15                 | 11.10                 | 11.11                 |                              | 0        |
| 16QAM            | 1       | 0         | 11.14                 | 11.20                 | 11.13                 | 0-1                          | 0        |
|                  | 1       | 25        | 11.19                 | 11.12                 | 11.09                 |                              | 0        |
|                  | 1       | 49        | 11.32                 | 11.23                 | 11.11                 |                              | 0        |
|                  | 25      | 0         | 11.08                 | 11.09                 | 11.00                 | 0-2                          | 0        |
|                  | 25      | 12        | 11.12                 | 10.93                 | 11.03                 |                              | 0        |
|                  | 25      | 25        | 11.20                 | 11.11                 | 11.17                 |                              | 0        |
|                  | 50      | 0         | 11.11                 | 11.07                 | 11.10                 |                              | 0        |
| 64QAM            | 1       | 0         | 11.15                 | 11.55                 | 11.22                 | 0-2                          | 0        |
|                  | 1       | 25        | 11.18                 | 11.54                 | 11.13                 |                              | 0        |
|                  | 1       | 49        | 11.13                 | 11.52                 | 11.30                 |                              | 0        |
|                  | 25      | 0         | 10.94                 | 11.34                 | 10.99                 | 0-3                          | 0        |
|                  | 25      | 12        | 10.93                 | 11.22                 | 11.01                 |                              | 0        |
|                  | 25      | 25        | 10.97                 | 11.36                 | 11.15                 |                              | 0        |
|                  | 50      | 0         | 10.97                 | 11.33                 | 11.11                 |                              | 0        |

**Table 8-268**  
**LTE Band 7 Conducted Powers Ant 4a - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 7<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                    | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                               |         |           | 20775<br>(2502.5 MHz) | 21100<br>(2535.0 MHz) | 21425<br>(2567.5 MHz) |                              |          |
|                               |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                          | 1       | 0         | 10.91                 | 11.18                 | 10.90                 | 0                            | 0        |
|                               | 1       | 12        | 10.84                 | 11.14                 | 10.96                 |                              | 0        |
|                               | 1       | 24        | 10.94                 | 11.29                 | 10.94                 |                              | 0        |
|                               | 12      | 0         | 11.06                 | 11.08                 | 11.08                 | 0-1                          | 0        |
|                               | 12      | 6         | 11.04                 | 11.11                 | 11.08                 |                              | 0        |
|                               | 12      | 13        | 11.05                 | 11.25                 | 11.05                 |                              | 0        |
|                               | 25      | 0         | 11.07                 | 11.24                 | 11.10                 |                              | 0        |
| 16QAM                         | 1       | 0         | 11.20                 | 11.30                 | 11.10                 | 0-1                          | 0        |
|                               | 1       | 12        | 11.18                 | 11.42                 | 11.10                 |                              | 0        |
|                               | 1       | 24        | 11.16                 | 11.42                 | 11.11                 |                              | 0        |
|                               | 12      | 0         | 11.08                 | 11.13                 | 11.03                 | 0-2                          | 0        |
|                               | 12      | 6         | 11.06                 | 11.14                 | 11.06                 |                              | 0        |
|                               | 12      | 13        | 11.07                 | 11.24                 | 11.05                 |                              | 0        |
|                               | 25      | 0         | 11.05                 | 11.23                 | 11.08                 |                              | 0        |
| 64QAM                         | 1       | 0         | 11.14                 | 11.49                 | 11.27                 | 0-2                          | 0        |
|                               | 1       | 12        | 11.13                 | 11.54                 | 11.32                 |                              | 0        |
|                               | 1       | 24        | 11.25                 | 11.58                 | 11.26                 |                              | 0        |
|                               | 12      | 0         | 11.00                 | 11.13                 | 11.10                 | 0-3                          | 0        |
|                               | 12      | 6         | 10.98                 | 11.08                 | 11.22                 |                              | 0        |
|                               | 12      | 13        | 10.99                 | 11.24                 | 11.18                 |                              | 0        |
|                               | 25      | 0         | 10.97                 | 11.21                 | 11.21                 |                              | 0        |

|                                         |                                                                                                   |                              |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   | Page 178 of 284                 |

**Table 8-269**  
**LTE Band 7 Conducted Powers Ant 4b - 20 MHz Bandwidth**

| LTE Band 7       |         |           |                       |                       |                       |                              |          |
|------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| 20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
| Modulation       | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                  |         |           | 20850<br>(2510.0 MHz) | 21100<br>(2535.0 MHz) | 21350<br>(2560.0 MHz) |                              |          |
|                  |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK             | 1       | 0         | 12.44                 | 11.88                 | 12.20                 | 0                            | 0        |
|                  | 1       | 50        | 12.37                 | 12.09                 | 12.15                 |                              | 0        |
|                  | 1       | 99        | 12.22                 | 12.27                 | 12.32                 |                              | 0        |
|                  | 50      | 0         | 12.15                 | 11.92                 | 12.08                 | 0-1                          | 0        |
|                  | 50      | 25        | 12.19                 | 12.06                 | 12.12                 |                              | 0        |
|                  | 50      | 50        | 12.22                 | 12.13                 | 12.21                 |                              | 0        |
|                  | 100     | 0         | 12.21                 | 12.10                 | 12.12                 |                              | 0        |
| 16QAM            | 1       | 0         | 12.50                 | 11.77                 | 12.20                 | 0-1                          | 0        |
|                  | 1       | 50        | 12.40                 | 11.89                 | 12.29                 |                              | 0        |
|                  | 1       | 99        | 11.90                 | 12.21                 | 12.46                 |                              | 0        |
|                  | 50      | 0         | 12.09                 | 11.96                 | 11.95                 | 0-2                          | 0        |
|                  | 50      | 25        | 12.11                 | 11.94                 | 12.05                 |                              | 0        |
|                  | 50      | 50        | 11.95                 | 12.01                 | 12.10                 |                              | 0        |
|                  | 100     | 0         | 12.04                 | 12.00                 | 11.99                 |                              | 0        |
| 64QAM            | 1       | 0         | 12.33                 | 12.04                 | 12.04                 | 0-2                          | 0        |
|                  | 1       | 50        | 12.12                 | 12.16                 | 11.97                 |                              | 0        |
|                  | 1       | 99        | 11.92                 | 12.10                 | 12.19                 |                              | 0        |
|                  | 50      | 0         | 12.03                 | 12.08                 | 12.16                 | 0-3                          | 0        |
|                  | 50      | 25        | 12.08                 | 12.07                 | 12.10                 |                              | 0        |
|                  | 50      | 50        | 12.06                 | 12.10                 | 12.17                 |                              | 0        |
|                  | 100     | 0         | 12.04                 | 12.13                 | 12.16                 |                              | 0        |

**Table 8-270**  
**LTE Band 7 Conducted Powers Ant 4b - 15 MHz Bandwidth**

| LTE Band 7<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 20825<br>(2507.5 MHz) | 21100<br>(2535.0 MHz) | 21375<br>(2562.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 12.12                 | 12.13                 | 12.37                 | 0                            | 0        |
|                                | 1       | 36        | 12.13                 | 12.38                 | 12.33                 |                              | 0        |
|                                | 1       | 74        | 12.10                 | 12.36                 | 11.99                 |                              | 0        |
|                                | 36      | 0         | 12.15                 | 12.31                 | 12.34                 | 0-1                          | 0        |
|                                | 36      | 18        | 12.10                 | 12.31                 | 12.34                 |                              | 0        |
|                                | 36      | 37        | 12.20                 | 12.30                 | 12.28                 |                              | 0        |
|                                | 75      | 0         | 12.30                 | 12.30                 | 12.38                 |                              | 0        |
| 16QAM                          | 1       | 0         | 11.92                 | 12.23                 | 12.33                 | 0-1                          | 0        |
|                                | 1       | 36        | 12.38                 | 12.13                 | 12.33                 |                              | 0        |
|                                | 1       | 74        | 12.39                 | 12.30                 | 12.34                 |                              | 0        |
|                                | 36      | 0         | 12.12                 | 12.21                 | 12.23                 | 0-2                          | 0        |
|                                | 36      | 18        | 12.29                 | 12.19                 | 12.26                 |                              | 0        |
|                                | 36      | 37        | 12.23                 | 12.23                 | 12.30                 |                              | 0        |
|                                | 75      | 0         | 12.26                 | 12.28                 | 12.20                 |                              | 0        |
| 64QAM                          | 1       | 0         | 11.98                 | 12.33                 | 12.23                 | 0-2                          | 0        |
|                                | 1       | 36        | 12.36                 | 12.33                 | 12.27                 |                              | 0        |
|                                | 1       | 74        | 12.25                 | 12.31                 | 12.30                 |                              | 0        |
|                                | 36      | 0         | 12.12                 | 12.32                 | 12.37                 | 0-3                          | 0        |
|                                | 36      | 18        | 12.27                 | 12.40                 | 12.25                 |                              | 0        |
|                                | 36      | 37        | 12.24                 | 12.32                 | 12.27                 |                              | 0        |
|                                | 75      | 0         | 12.20                 | 12.35                 | 12.36                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 179 of 284                 |

**Table 8-271**  
**LTE Band 7 Conducted Powers Ant 4b - 10 MHz Bandwidth**

| LTE Band 7       |         |           |                       |                       |                       |                              |          |
|------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| 10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
| Modulation       | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                  |         |           | 20800<br>(2505.0 MHz) | 21100<br>(2535.0 MHz) | 21400<br>(2565.0 MHz) |                              |          |
|                  |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK             | 1       | 0         | 12.15                 | 12.18                 | 12.35                 | 0                            | 0        |
|                  | 1       | 25        | 12.34                 | 12.31                 | 12.36                 |                              | 0        |
|                  | 1       | 49        | 12.50                 | 12.35                 | 12.21                 |                              | 0        |
|                  | 25      | 0         | 12.01                 | 12.18                 | 12.28                 | 0-1                          | 0        |
|                  | 25      | 12        | 12.10                 | 12.24                 | 12.19                 |                              | 0        |
|                  | 25      | 25        | 12.29                 | 12.23                 | 12.15                 |                              | 0        |
|                  | 50      | 0         | 12.13                 | 12.24                 | 12.19                 |                              | 0        |
| 16QAM            | 1       | 0         | 12.00                 | 12.24                 | 12.46                 | 0-1                          | 0        |
|                  | 1       | 25        | 12.21                 | 12.30                 | 12.43                 |                              | 0        |
|                  | 1       | 49        | 12.35                 | 12.41                 | 12.37                 |                              | 0        |
|                  | 25      | 0         | 12.00                 | 12.12                 | 12.19                 | 0-2                          | 0        |
|                  | 25      | 12        | 12.12                 | 12.19                 | 12.23                 |                              | 0        |
|                  | 25      | 25        | 12.17                 | 12.22                 | 12.14                 |                              | 0        |
|                  | 50      | 0         | 12.11                 | 12.20                 | 12.00                 |                              | 0        |
| 64QAM            | 1       | 0         | 12.16                 | 12.32                 | 12.29                 | 0-2                          | 0        |
|                  | 1       | 25        | 12.46                 | 12.42                 | 12.29                 |                              | 0        |
|                  | 1       | 49        | 12.25                 | 12.42                 | 12.43                 |                              | 0        |
|                  | 25      | 0         | 11.97                 | 12.13                 | 12.28                 | 0-3                          | 0        |
|                  | 25      | 12        | 12.09                 | 12.20                 | 12.28                 |                              | 0        |
|                  | 25      | 25        | 12.29                 | 12.20                 | 12.24                 |                              | 0        |
|                  | 50      | 0         | 12.11                 | 12.00                 | 12.20                 |                              | 0        |

**Table 8-272**  
**LTE Band 7 Conducted Powers Ant 4b - 5 MHz Bandwidth**

| LTE Band 7<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                    | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                               |         |           | 20775<br>(2502.5 MHz) | 21100<br>(2535.0 MHz) | 21425<br>(2567.5 MHz) |                              |          |
|                               |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                          | 1       | 0         | 12.28                 | 12.15                 | 12.47                 | 0                            | 0        |
|                               | 1       | 12        | 12.38                 | 12.22                 | 12.40                 |                              | 0        |
|                               | 1       | 24        | 12.46                 | 12.23                 | 12.34                 |                              | 0        |
|                               | 12      | 0         | 12.12                 | 12.20                 | 12.35                 | 0-1                          | 0        |
|                               | 12      | 6         | 12.16                 | 12.21                 | 12.18                 |                              | 0        |
|                               | 12      | 13        | 12.22                 | 12.22                 | 12.13                 |                              | 0        |
|                               | 25      | 0         | 12.08                 | 12.21                 | 12.18                 |                              | 0        |
| 16QAM                         | 1       | 0         | 12.35                 | 12.19                 | 12.39                 | 0-1                          | 0        |
|                               | 1       | 12        | 12.46                 | 12.29                 | 12.49                 |                              | 0        |
|                               | 1       | 24        | 12.37                 | 12.35                 | 12.47                 |                              | 0        |
|                               | 12      | 0         | 12.06                 | 12.23                 | 12.20                 | 0-2                          | 0        |
|                               | 12      | 6         | 12.13                 | 12.22                 | 12.17                 |                              | 0        |
|                               | 12      | 13        | 12.23                 | 12.24                 | 12.14                 |                              | 0        |
|                               | 25      | 0         | 12.07                 | 12.18                 | 12.17                 |                              | 0        |
| 64QAM                         | 1       | 0         | 12.37                 | 12.32                 | 12.37                 | 0-2                          | 0        |
|                               | 1       | 12        | 12.35                 | 12.27                 | 12.29                 |                              | 0        |
|                               | 1       | 24        | 12.25                 | 12.33                 | 12.37                 |                              | 0        |
|                               | 12      | 0         | 12.00                 | 12.17                 | 12.42                 | 0-3                          | 0        |
|                               | 12      | 6         | 12.08                 | 12.28                 | 12.18                 |                              | 0        |
|                               | 12      | 13        | 12.25                 | 12.31                 | 12.17                 |                              | 0        |
|                               | 25      | 0         | 12.02                 | 12.25                 | 12.25                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 180 of 284                 |

**Table 8-273**  
**LTE Band 7 Conducted Powers Ant 4b - 20 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 7<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 20850<br>(2510.0 MHz) | 21100<br>(2535.0 MHz) | 21350<br>(2560.0 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 9.00                  | 8.76                  | 9.15                  | 0                            | 0        |
|                                | 1       | 50        | 9.07                  | 8.82                  | 9.21                  |                              | 0        |
|                                | 1       | 99        | 8.71                  | 8.92                  | 8.95                  |                              | 0        |
|                                | 50      | 0         | 8.99                  | 8.75                  | 9.15                  | 0-1                          | 0        |
|                                | 50      | 25        | 8.97                  | 8.79                  | 9.30                  |                              | 0        |
|                                | 50      | 50        | 8.88                  | 8.83                  | 9.02                  |                              | 0        |
|                                | 100     | 0         | 8.96                  | 8.87                  | 9.05                  |                              | 0        |
| 16QAM                          | 1       | 0         | 9.00                  | 9.00                  | 9.11                  | 0-1                          | 0        |
|                                | 1       | 50        | 8.88                  | 9.11                  | 9.30                  |                              | 0        |
|                                | 1       | 99        | 9.01                  | 9.05                  | 9.20                  |                              | 0        |
|                                | 50      | 0         | 8.75                  | 8.70                  | 8.86                  | 0-2                          | 0        |
|                                | 50      | 25        | 8.65                  | 8.57                  | 9.03                  |                              | 0        |
|                                | 50      | 50        | 8.70                  | 8.61                  | 8.93                  |                              | 0        |
|                                | 100     | 0         | 8.67                  | 8.60                  | 8.92                  |                              | 0        |
| 64QAM                          | 1       | 0         | 9.20                  | 8.75                  | 9.16                  | 0-2                          | 0        |
|                                | 1       | 50        | 9.16                  | 8.70                  | 9.34                  |                              | 0        |
|                                | 1       | 99        | 8.86                  | 8.80                  | 9.11                  |                              | 0        |
|                                | 50      | 0         | 8.78                  | 8.50                  | 9.00                  | 0-3                          | 0        |
|                                | 50      | 25        | 8.81                  | 8.53                  | 9.07                  |                              | 0        |
|                                | 50      | 50        | 8.80                  | 8.63                  | 8.93                  |                              | 0        |
|                                | 100     | 0         | 8.74                  | 8.62                  | 9.01                  |                              | 0        |

**Table 8-274**  
**LTE Band 7 Conducted Powers Ant 4b - 15 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 7<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 20825<br>(2507.5 MHz) | 21100<br>(2535.0 MHz) | 21375<br>(2562.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 9.06                  | 8.55                  | 9.20                  | 0                            | 0        |
|                                | 1       | 36        | 9.34                  | 8.83                  | 8.93                  |                              | 0        |
|                                | 1       | 74        | 9.27                  | 8.93                  | 8.68                  |                              | 0        |
|                                | 36      | 0         | 9.03                  | 8.81                  | 9.06                  | 0-1                          | 0        |
|                                | 36      | 18        | 9.16                  | 8.91                  | 9.04                  |                              | 0        |
|                                | 36      | 37        | 9.12                  | 8.92                  | 8.88                  |                              | 0        |
|                                | 75      | 0         | 9.12                  | 8.92                  | 9.04                  |                              | 0        |
| 16QAM                          | 1       | 0         | 9.08                  | 8.85                  | 9.13                  | 0-1                          | 0        |
|                                | 1       | 36        | 9.44                  | 8.95                  | 9.20                  |                              | 0        |
|                                | 1       | 74        | 9.39                  | 9.06                  | 8.74                  |                              | 0        |
|                                | 36      | 0         | 8.70                  | 8.79                  | 9.05                  | 0-2                          | 0        |
|                                | 36      | 18        | 8.93                  | 8.88                  | 8.99                  |                              | 0        |
|                                | 36      | 37        | 8.96                  | 8.89                  | 8.89                  |                              | 0        |
|                                | 75      | 0         | 8.92                  | 8.91                  | 9.00                  |                              | 0        |
| 64QAM                          | 1       | 0         | 8.80                  | 8.81                  | 9.09                  | 0-2                          | 0        |
|                                | 1       | 36        | 9.28                  | 9.08                  | 9.25                  |                              | 0        |
|                                | 1       | 74        | 9.31                  | 9.06                  | 9.10                  |                              | 0        |
|                                | 36      | 0         | 9.01                  | 8.96                  | 9.15                  | 0-3                          | 0        |
|                                | 36      | 18        | 9.16                  | 8.93                  | 9.03                  |                              | 0        |
|                                | 36      | 37        | 9.10                  | 8.91                  | 8.89                  |                              | 0        |
|                                | 75      | 0         | 9.06                  | 8.88                  | 8.97                  |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 181 of 284                 |

**Table 8-275**  
**LTE Band 7 Conducted Powers Ant 4b - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 7<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 20800<br>(2505.0 MHz) | 21100<br>(2535.0 MHz) | 21400<br>(2565.0 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 8.80                  | 8.68                  | 9.24                  | 0                            | 0        |
|                                | 1       | 25        | 9.09                  | 9.02                  | 9.04                  |                              | 0        |
|                                | 1       | 49        | 9.21                  | 9.02                  | 8.81                  |                              | 0        |
|                                | 25      | 0         | 9.15                  | 9.02                  | 9.18                  | 0-1                          | 0        |
|                                | 25      | 12        | 9.24                  | 9.04                  | 9.05                  |                              | 0        |
|                                | 25      | 25        | 9.27                  | 9.02                  | 8.91                  |                              | 0        |
|                                | 50      | 0         | 9.19                  | 9.07                  | 9.04                  |                              | 0        |
| 16QAM                          | 1       | 0         | 9.27                  | 9.16                  | 9.47                  | 0-1                          | 0        |
|                                | 1       | 25        | 9.36                  | 9.08                  | 9.25                  |                              | 0        |
|                                | 1       | 49        | 9.40                  | 9.14                  | 8.94                  |                              | 0        |
|                                | 25      | 0         | 9.16                  | 9.03                  | 9.21                  | 0-2                          | 0        |
|                                | 25      | 12        | 9.24                  | 9.04                  | 9.08                  |                              | 0        |
|                                | 25      | 25        | 9.25                  | 9.06                  | 8.90                  |                              | 0        |
|                                | 50      | 0         | 9.18                  | 9.09                  | 9.04                  |                              | 0        |
| 64QAM                          | 1       | 0         | 9.12                  | 9.00                  | 9.30                  | 0-2                          | 0        |
|                                | 1       | 25        | 9.30                  | 8.76                  | 9.18                  |                              | 0        |
|                                | 1       | 49        | 9.35                  | 8.77                  | 9.00                  |                              | 0        |
|                                | 25      | 0         | 8.84                  | 8.76                  | 9.13                  | 0-3                          | 0        |
|                                | 25      | 12        | 8.96                  | 8.88                  | 9.10                  |                              | 0        |
|                                | 25      | 25        | 9.09                  | 8.94                  | 8.86                  |                              | 0        |
|                                | 50      | 0         | 8.94                  | 8.88                  | 9.03                  |                              | 0        |

**Table 8-276**  
**LTE Band 7 Conducted Powers Ant 4b - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 7<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                    | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                               |         |           | 20775<br>(2502.5 MHz) | 21100<br>(2535.0 MHz) | 21425<br>(2567.5 MHz) |                              |          |
|                               |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                          | 1       | 0         | 8.90                  | 8.79                  | 9.31                  | 0                            | 0        |
|                               | 1       | 12        | 9.07                  | 8.75                  | 9.01                  |                              | 0        |
|                               | 1       | 24        | 9.33                  | 8.85                  | 8.93                  |                              | 0        |
|                               | 12      | 0         | 8.89                  | 8.73                  | 9.12                  | 0-1                          | 0        |
|                               | 12      | 6         | 9.01                  | 8.74                  | 9.06                  |                              | 0        |
|                               | 12      | 13        | 9.17                  | 8.73                  | 9.02                  |                              | 0        |
|                               | 25      | 0         | 9.05                  | 8.77                  | 9.02                  |                              | 0        |
| 16QAM                         | 1       | 0         | 9.12                  | 8.81                  | 9.35                  | 0-1                          | 0        |
|                               | 1       | 12        | 9.26                  | 8.78                  | 9.15                  |                              | 0        |
|                               | 1       | 24        | 9.49                  | 8.84                  | 9.08                  |                              | 0        |
|                               | 12      | 0         | 8.90                  | 8.76                  | 9.19                  | 0-2                          | 0        |
|                               | 12      | 6         | 9.03                  | 8.70                  | 9.05                  |                              | 0        |
|                               | 12      | 13        | 9.15                  | 8.75                  | 9.02                  |                              | 0        |
|                               | 25      | 0         | 9.03                  | 8.77                  | 9.00                  |                              | 0        |
| 64QAM                         | 1       | 0         | 9.02                  | 8.98                  | 9.48                  | 0-2                          | 0        |
|                               | 1       | 12        | 9.04                  | 8.93                  | 9.44                  |                              | 0        |
|                               | 1       | 24        | 9.26                  | 9.09                  | 9.28                  |                              | 0        |
|                               | 12      | 0         | 8.83                  | 8.75                  | 9.19                  | 0-3                          | 0        |
|                               | 12      | 6         | 8.90                  | 8.68                  | 9.06                  |                              | 0        |
|                               | 12      | 13        | 9.06                  | 8.73                  | 9.03                  |                              | 0        |
|                               | 25      | 0         | 8.86                  | 8.77                  | 9.01                  |                              | 0        |

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 182 of 284                        |

## 8.3.11

## LTE Band 41 PC3

Table 8-277

LTE Band 41 PC3 Conducted Powers Ant 2a - 20 MHz Bandwidth

| LTE Band 41<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 16.25                 | 16.30                 | 16.00                 | 16.10                 | 16.07                 | 0                            | 0        |
|                                 | 1       | 50        | 16.23                 | 16.18                 | 15.98                 | 15.98                 | 16.05                 |                              | 0        |
|                                 | 1       | 99        | 16.28                 | 16.08                 | 16.23                 | 16.01                 | 15.95                 |                              | 0        |
|                                 | 50      | 0         | 16.29                 | 16.06                 | 15.90                 | 16.08                 | 16.07                 | 0-1                          | 0        |
|                                 | 50      | 25        | 16.23                 | 16.14                 | 15.93                 | 16.01                 | 16.06                 |                              | 0        |
|                                 | 50      | 50        | 16.30                 | 16.16                 | 16.06                 | 15.94                 | 16.10                 |                              | 0        |
|                                 | 100     | 0         | 16.18                 | 16.01                 | 15.94                 | 16.00                 | 16.05                 |                              | 0        |
| 16QAM                           | 1       | 0         | 16.35                 | 16.18                 | 15.84                 | 16.24                 | 16.04                 | 0-1                          | 0        |
|                                 | 1       | 50        | 16.23                 | 16.20                 | 15.80                 | 16.05                 | 16.06                 |                              | 0        |
|                                 | 1       | 99        | 16.27                 | 16.36                 | 16.10                 | 16.09                 | 16.01                 |                              | 0        |
|                                 | 50      | 0         | 16.31                 | 16.14                 | 15.90                 | 16.09                 | 16.16                 | 0-2                          | 0        |
|                                 | 50      | 25        | 16.24                 | 16.13                 | 15.94                 | 16.02                 | 16.10                 |                              | 0        |
|                                 | 50      | 50        | 16.31                 | 16.30                 | 16.06                 | 15.96                 | 16.14                 |                              | 0        |
|                                 | 100     | 0         | 16.20                 | 16.15                 | 15.95                 | 16.03                 | 16.06                 |                              | 0        |
| 64QAM                           | 1       | 0         | 15.93                 | 16.02                 | 15.66                 | 16.00                 | 15.90                 | 0-2                          | 0        |
|                                 | 1       | 50        | 16.08                 | 16.12                 | 15.71                 | 15.87                 | 15.89                 |                              | 0        |
|                                 | 1       | 99        | 15.96                 | 16.00                 | 15.82                 | 15.80                 | 15.76                 |                              | 0        |
|                                 | 50      | 0         | 15.99                 | 16.04                 | 15.62                 | 15.88                 | 15.85                 | 0-3                          | 0        |
|                                 | 50      | 25        | 16.00                 | 16.10                 | 15.68                 | 15.83                 | 15.85                 |                              | 0        |
|                                 | 50      | 50        | 15.98                 | 16.03                 | 15.77                 | 15.71                 | 15.73                 |                              | 0        |
|                                 | 100     | 0         | 15.95                 | 16.10                 | 15.68                 | 15.81                 | 15.83                 |                              | 0        |

Table 8-278

LTE Band 41 PC3 Conducted Powers Ant 2a - 15 MHz Bandwidth

| LTE Band 41<br>15 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 16.11                 | 16.02                 | 15.59                 | 15.91                 | 15.86                 | 0                            | 0        |
|                                 | 1       | 36        | 16.17                 | 16.20                 | 15.78                 | 15.92                 | 15.94                 |                              | 0        |
|                                 | 1       | 74        | 16.02                 | 16.00                 | 15.89                 | 15.73                 | 15.85                 |                              | 0        |
|                                 | 36      | 0         | 16.03                 | 16.05                 | 15.61                 | 15.88                 | 15.88                 | 0-1                          | 0        |
|                                 | 36      | 18        | 16.04                 | 16.13                 | 15.70                 | 15.85                 | 15.87                 |                              | 0        |
|                                 | 36      | 37        | 15.96                 | 16.04                 | 15.71                 | 15.74                 | 15.81                 |                              | 0        |
|                                 | 75      | 0         | 15.91                 | 16.11                 | 15.68                 | 15.82                 | 15.87                 |                              | 0        |
| 16QAM                           | 1       | 0         | 16.26                 | 16.22                 | 15.66                 | 16.05                 | 15.98                 | 0-1                          | 0        |
|                                 | 1       | 36        | 16.29                 | 16.32                 | 15.87                 | 16.16                 | 16.10                 |                              | 0        |
|                                 | 1       | 74        | 16.19                 | 16.07                 | 16.07                 | 15.90                 | 15.92                 |                              | 0        |
|                                 | 36      | 0         | 16.04                 | 16.04                 | 15.61                 | 15.87                 | 15.88                 | 0-2                          | 0        |
|                                 | 36      | 18        | 16.05                 | 16.13                 | 15.70                 | 15.85                 | 15.86                 |                              | 0        |
|                                 | 36      | 37        | 16.00                 | 16.03                 | 15.70                 | 15.73                 | 15.80                 |                              | 0        |
|                                 | 75      | 0         | 15.97                 | 16.10                 | 15.67                 | 15.81                 | 15.86                 |                              | 0        |
| 64QAM                           | 1       | 0         | 15.98                 | 15.81                 | 15.46                 | 15.66                 | 15.74                 | 0-2                          | 0        |
|                                 | 1       | 36        | 16.01                 | 16.00                 | 15.61                 | 15.71                 | 15.77                 |                              | 0        |
|                                 | 1       | 74        | 15.82                 | 15.79                 | 15.64                 | 15.47                 | 15.63                 |                              | 0        |
|                                 | 36      | 0         | 16.01                 | 16.03                 | 15.59                 | 15.85                 | 15.87                 | 0-3                          | 0        |
|                                 | 36      | 18        | 16.04                 | 16.10                 | 15.69                 | 15.83                 | 15.86                 |                              | 0        |
|                                 | 36      | 37        | 16.00                 | 16.02                 | 15.69                 | 15.72                 | 15.80                 |                              | 0        |
|                                 | 75      | 0         | 15.96                 | 16.08                 | 15.67                 | 15.80                 | 15.85                 |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 183 of 284                 |

**Table 8-279**  
**LTE Band 41 PC3 Conducted Powers Ant 2a - 10 MHz Bandwidth**

| LTE Band 41<br>10 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |   |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|---|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |   |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |   |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |   |
| QPSK                            | 1       | 0         | 16.14                 | 16.08                 | 15.70                 | 15.93                 | 15.85                 | 0                            | 0        |   |
|                                 | 1       | 25        | 16.06                 | 16.15                 | 15.71                 | 15.85                 | 15.90                 |                              | 0-1      | 0 |
|                                 | 1       | 49        | 16.07                 | 16.11                 | 15.85                 | 15.75                 | 15.83                 |                              |          | 0 |
|                                 | 25      | 0         | 16.03                 | 16.07                 | 15.67                 | 15.85                 | 15.82                 | 0                            |          |   |
|                                 | 25      | 12        | 15.98                 | 16.07                 | 15.65                 | 15.80                 | 15.83                 | 0-1                          |          | 0 |
|                                 | 25      | 25        | 15.99                 | 16.03                 | 15.69                 | 15.73                 | 15.79                 |                              | 0        |   |
|                                 | 50      | 0         | 15.99                 | 16.08                 | 15.67                 | 15.81                 | 15.85                 |                              | 0        |   |
| 16QAM                           | 1       | 0         | 16.28                 | 16.25                 | 15.86                 | 16.08                 | 16.07                 | 0-1                          | 0        |   |
|                                 | 1       | 25        | 16.19                 | 16.27                 | 15.80                 | 15.97                 | 16.02                 |                              | 0-2      | 0 |
|                                 | 1       | 49        | 16.20                 | 16.28                 | 15.95                 | 15.93                 | 16.00                 |                              |          | 0 |
|                                 | 25      | 0         | 16.03                 | 16.08                 | 15.66                 | 15.84                 | 15.82                 | 0-2                          |          | 0 |
|                                 | 25      | 12        | 15.98                 | 16.07                 | 15.64                 | 15.79                 | 15.82                 |                              |          | 0 |
|                                 | 25      | 25        | 15.98                 | 16.04                 | 15.69                 | 15.76                 | 15.78                 |                              | 0        |   |
|                                 | 50      | 0         | 16.00                 | 16.10                 | 15.68                 | 15.81                 | 15.84                 |                              | 0        |   |
| 64QAM                           | 1       | 0         | 15.91                 | 15.99                 | 15.53                 | 15.72                 | 15.64                 | 0-2                          | 0        |   |
|                                 | 1       | 25        | 15.96                 | 15.92                 | 15.50                 | 15.74                 | 15.74                 |                              | 0-3      | 0 |
|                                 | 1       | 49        | 15.87                 | 15.99                 | 15.68                 | 15.57                 | 15.71                 |                              |          | 0 |
|                                 | 25      | 0         | 16.04                 | 16.10                 | 15.67                 | 15.87                 | 15.82                 | 0                            |          |   |
|                                 | 25      | 12        | 15.98                 | 16.08                 | 15.66                 | 15.80                 | 15.87                 | 0-3                          |          | 0 |
|                                 | 25      | 25        | 16.01                 | 16.04                 | 15.71                 | 15.74                 | 15.79                 |                              | 0        |   |
|                                 | 50      | 0         | 16.00                 | 16.09                 | 15.66                 | 15.82                 | 15.85                 |                              | 0        |   |

**Table 8-280**  
**LTE Band 41 PC3 Conducted Powers Ant 2a - 5 MHz Bandwidth**

| LTE Band 41<br>5 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |   |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|---|
| Modulation                     | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |   |
|                                |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |   |
|                                |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |   |
| QPSK                           | 1       | 0         | 16.13                 | 16.03                 | 15.78                 | 15.88                 | 15.80                 | 0                            | 0        |   |
|                                | 1       | 12        | 16.06                 | 16.08                 | 15.73                 | 15.80                 | 15.86                 |                              | 0-1      | 0 |
|                                | 1       | 24        | 16.06                 | 16.05                 | 15.78                 | 15.77                 | 15.82                 |                              |          | 0 |
|                                | 12      | 0         | 16.00                 | 16.00                 | 15.66                 | 15.77                 | 15.77                 | 0                            |          |   |
|                                | 12      | 6         | 15.98                 | 16.00                 | 15.65                 | 15.74                 | 15.77                 | 0                            |          | 0 |
|                                | 12      | 13        | 16.02                 | 15.96                 | 15.70                 | 15.71                 | 15.72                 |                              | 0        |   |
|                                | 25      | 0         | 15.99                 | 16.01                 | 15.67                 | 15.74                 | 15.78                 |                              | 0        |   |
| 16QAM                          | 1       | 0         | 16.27                 | 16.02                 | 15.60                 | 15.89                 | 15.82                 | 0-1                          | 0        |   |
|                                | 1       | 12        | 16.10                 | 16.15                 | 15.61                 | 15.72                 | 15.91                 |                              | 0-2      | 0 |
|                                | 1       | 24        | 16.05                 | 15.99                 | 15.73                 | 15.61                 | 15.88                 |                              |          | 0 |
|                                | 12      | 0         | 16.00                 | 16.03                 | 15.71                 | 15.80                 | 15.75                 | 0                            |          |   |
|                                | 12      | 6         | 15.99                 | 16.02                 | 15.68                 | 15.77                 | 15.78                 | 0                            |          | 0 |
|                                | 12      | 13        | 16.02                 | 15.98                 | 15.72                 | 15.74                 | 15.73                 |                              | 0        |   |
|                                | 25      | 0         | 16.00                 | 16.01                 | 15.70                 | 15.74                 | 15.77                 |                              | 0        |   |
| 64QAM                          | 1       | 0         | 16.19                 | 16.06                 | 15.76                 | 15.89                 | 15.84                 | 0-2                          | 0        |   |
|                                | 1       | 12        | 16.07                 | 16.03                 | 15.66                 | 15.90                 | 15.79                 |                              | 0-3      | 0 |
|                                | 1       | 24        | 16.01                 | 15.93                 | 15.71                 | 15.70                 | 15.75                 |                              |          | 0 |
|                                | 12      | 0         | 15.97                 | 16.01                 | 15.64                 | 15.80                 | 15.75                 | 0                            |          |   |
|                                | 12      | 6         | 15.97                 | 16.03                 | 15.65                 | 15.74                 | 15.79                 | 0                            |          | 0 |
|                                | 12      | 13        | 15.97                 | 15.97                 | 15.68                 | 15.74                 | 15.70                 |                              | 0        |   |
|                                | 25      | 0         | 15.97                 | 16.02                 | 15.67                 | 15.83                 | 15.80                 |                              | 0        |   |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 184 of 284                        |

**Table 8-281**  
**LTE Band 41 PC3 Conducted Powers Ant 2b - 20 MHz Bandwidth**

| LTE Band 41<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 13.06                 | 12.83                 | 12.80                 | 12.97                 | 12.84                 | 0                            | 0        |
|                                 | 1       | 50        | 13.15                 | 12.82                 | 12.81                 | 12.83                 | 12.98                 |                              | 0        |
|                                 | 1       | 99        | 13.13                 | 12.94                 | 13.01                 | 12.81                 | 13.00                 |                              | 0        |
|                                 | 50      | 0         | 13.00                 | 12.80                 | 12.80                 | 12.87                 | 12.86                 | 0-1                          | 0        |
|                                 | 50      | 25        | 13.07                 | 12.81                 | 12.81                 | 12.84                 | 12.91                 |                              | 0        |
|                                 | 50      | 50        | 13.03                 | 12.83                 | 12.92                 | 12.80                 | 12.94                 |                              | 0        |
|                                 | 100     | 0         | 13.05                 | 12.80                 | 12.86                 | 12.80                 | 12.94                 |                              | 0        |
| 16QAM                           | 1       | 0         | 13.26                 | 12.96                 | 13.01                 | 13.11                 | 12.99                 | 0-1                          | 0        |
|                                 | 1       | 50        | 13.30                 | 13.00                 | 13.11                 | 13.05                 | 13.06                 |                              | 0        |
|                                 | 1       | 99        | 13.28                 | 13.09                 | 13.37                 | 12.85                 | 13.21                 |                              | 0        |
|                                 | 50      | 0         | 13.04                 | 12.80                 | 12.81                 | 12.80                 | 12.84                 | 0-2                          | 0        |
|                                 | 50      | 25        | 13.06                 | 12.80                 | 12.80                 | 12.85                 | 12.89                 |                              | 0        |
|                                 | 50      | 50        | 13.09                 | 12.81                 | 12.94                 | 12.81                 | 12.94                 |                              | 0        |
|                                 | 100     | 0         | 13.09                 | 12.81                 | 12.88                 | 12.86                 | 12.93                 |                              | 0        |
| 64QAM                           | 1       | 0         | 13.10                 | 12.98                 | 12.84                 | 13.06                 | 13.14                 | 0-2                          | 0        |
|                                 | 1       | 50        | 13.15                 | 13.04                 | 12.81                 | 12.87                 | 13.17                 |                              | 0        |
|                                 | 1       | 99        | 13.20                 | 13.03                 | 12.90                 | 12.83                 | 13.02                 |                              | 0        |
|                                 | 50      | 0         | 13.10                 | 12.90                 | 12.80                 | 12.98                 | 13.10                 | 0-3                          | 0        |
|                                 | 50      | 25        | 13.17                 | 12.95                 | 12.80                 | 12.94                 | 13.10                 |                              | 0        |
|                                 | 50      | 50        | 13.17                 | 12.94                 | 12.81                 | 12.84                 | 12.97                 |                              | 0        |
|                                 | 100     | 0         | 13.13                 | 12.97                 | 12.80                 | 12.94                 | 13.08                 |                              | 0        |

**Table 8-282**  
**LTE Band 41 PC3 Conducted Powers Ant 2b - 15 MHz Bandwidth**

| LTE Band 41<br>15 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 13.03                 | 12.97                 | 12.84                 | 13.04                 | 13.05                 | 0                            | 0        |
|                                 | 1       | 36        | 13.15                 | 13.07                 | 12.95                 | 13.03                 | 13.14                 |                              | 0        |
|                                 | 1       | 74        | 13.08                 | 12.99                 | 13.02                 | 12.81                 | 12.93                 |                              | 0        |
|                                 | 36      | 0         | 13.03                 | 12.92                 | 12.92                 | 12.99                 | 13.16                 | 0-1                          | 0        |
|                                 | 36      | 18        | 13.16                 | 13.01                 | 12.98                 | 13.00                 | 13.15                 |                              | 0        |
|                                 | 36      | 37        | 13.15                 | 12.98                 | 12.96                 | 12.90                 | 13.09                 |                              | 0        |
|                                 | 75      | 0         | 13.14                 | 13.00                 | 12.95                 | 12.97                 | 13.12                 |                              | 0        |
| 16QAM                           | 1       | 0         | 12.89                 | 13.19                 | 12.93                 | 12.99                 | 12.82                 | 0-1                          | 0        |
|                                 | 1       | 36        | 13.11                 | 13.28                 | 12.80                 | 13.00                 | 13.08                 |                              | 0        |
|                                 | 1       | 74        | 12.99                 | 13.12                 | 12.92                 | 12.81                 | 12.82                 |                              | 0        |
|                                 | 36      | 0         | 13.05                 | 12.90                 | 12.95                 | 13.01                 | 13.15                 | 0-2                          | 0        |
|                                 | 36      | 18        | 13.14                 | 13.02                 | 12.99                 | 13.02                 | 13.16                 |                              | 0        |
|                                 | 36      | 37        | 13.18                 | 12.98                 | 12.95                 | 12.88                 | 13.08                 |                              | 0        |
|                                 | 75      | 0         | 13.16                 | 13.00                 | 12.97                 | 12.96                 | 13.12                 |                              | 0        |
| 64QAM                           | 1       | 0         | 13.04                 | 12.81                 | 12.83                 | 13.00                 | 13.10                 | 0-2                          | 0        |
|                                 | 1       | 36        | 13.18                 | 12.85                 | 12.99                 | 12.83                 | 13.22                 |                              | 0        |
|                                 | 1       | 74        | 13.06                 | 12.82                 | 13.09                 | 12.84                 | 12.89                 |                              | 0        |
|                                 | 36      | 0         | 13.02                 | 12.91                 | 12.90                 | 13.04                 | 13.15                 | 0-3                          | 0        |
|                                 | 36      | 18        | 13.17                 | 12.99                 | 12.97                 | 13.00                 | 13.14                 |                              | 0        |
|                                 | 36      | 37        | 13.12                 | 12.99                 | 12.96                 | 12.89                 | 13.07                 |                              | 0        |
|                                 | 75      | 0         | 13.12                 | 12.97                 | 12.95                 | 12.96                 | 13.12                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 185 of 284                 |

**Table 8-283**  
**LTE Band 41 PC3 Conducted Powers Ant 2b - 10 MHz Bandwidth**

| LTE Band 41<br>10 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 13.34                 | 13.10                 | 12.93                 | 13.07                 | 13.23                 | 0                            | 0        |
|                                 | 1       | 25        | 13.31                 | 13.07                 | 12.91                 | 12.99                 | 13.26                 |                              | 0        |
|                                 | 1       | 49        | 13.37                 | 13.07                 | 13.01                 | 12.91                 | 13.21                 |                              | 0        |
|                                 | 25      | 0         | 13.10                 | 13.03                 | 12.81                 | 13.00                 | 13.12                 | 0-1                          | 0        |
|                                 | 25      | 12        | 13.17                 | 13.02                 | 12.82                 | 13.00                 | 13.03                 |                              | 0        |
|                                 | 25      | 25        | 13.18                 | 13.02                 | 12.80                 | 12.95                 | 12.99                 |                              | 0        |
|                                 | 50      | 0         | 13.18                 | 13.04                 | 12.80                 | 12.99                 | 13.05                 |                              | 0        |
| 16QAM                           | 1       | 0         | 13.07                 | 13.12                 | 12.84                 | 13.01                 | 13.00                 | 0-1                          | 0        |
|                                 | 1       | 25        | 13.08                 | 13.22                 | 12.84                 | 12.84                 | 13.00                 |                              | 0        |
|                                 | 1       | 49        | 13.25                 | 13.15                 | 12.80                 | 12.84                 | 12.91                 |                              | 0        |
|                                 | 25      | 0         | 13.10                 | 12.99                 | 12.84                 | 13.00                 | 13.00                 | 0-2                          | 0        |
|                                 | 25      | 12        | 13.21                 | 13.03                 | 12.80                 | 12.98                 | 13.04                 |                              | 0        |
|                                 | 25      | 25        | 13.20                 | 13.03                 | 12.83                 | 12.94                 | 13.03                 |                              | 0        |
|                                 | 50      | 0         | 13.21                 | 13.03                 | 12.80                 | 13.00                 | 13.07                 |                              | 0        |
| 64QAM                           | 1       | 0         | 12.87                 | 13.05                 | 12.87                 | 12.85                 | 13.03                 | 0-2                          | 0        |
|                                 | 1       | 25        | 13.22                 | 12.89                 | 12.81                 | 12.90                 | 12.88                 |                              | 0        |
|                                 | 1       | 49        | 13.12                 | 12.93                 | 12.86                 | 12.80                 | 12.80                 |                              | 0        |
|                                 | 25      | 0         | 13.11                 | 13.05                 | 12.83                 | 13.03                 | 13.08                 | 0-3                          | 0        |
|                                 | 25      | 12        | 13.15                 | 13.05                 | 12.80                 | 13.01                 | 13.09                 |                              | 0        |
|                                 | 25      | 25        | 13.20                 | 13.06                 | 12.81                 | 12.90                 | 13.05                 |                              | 0        |
|                                 | 50      | 0         | 13.23                 | 13.05                 | 12.84                 | 12.99                 | 13.10                 |                              | 0        |

**Table 8-284**  
**LTE Band 41 PC3 Conducted Powers Ant 2b - 5 MHz Bandwidth**

| LTE Band 41<br>5 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                           |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per 3GPP [dB] | MPR [dB] |
|                                |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                           |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                           |          |
| QPSK                           | 1       | 0         | 13.18                 | 13.09                 | 13.05                 | 12.95                 | 13.18                 | 0                         | 0        |
|                                | 1       | 12        | 13.23                 | 13.06                 | 13.00                 | 12.89                 | 13.19                 |                           | 0        |
|                                | 1       | 24        | 13.27                 | 13.07                 | 13.08                 | 12.85                 | 13.18                 |                           | 0        |
|                                | 12      | 0         | 13.11                 | 12.96                 | 12.89                 | 12.92                 | 13.09                 | 0-1                       | 0        |
|                                | 12      | 6         | 13.08                 | 12.96                 | 12.84                 | 12.89                 | 13.06                 |                           | 0        |
|                                | 12      | 13        | 13.09                 | 12.95                 | 12.89                 | 12.86                 | 12.99                 |                           | 0        |
| 16QAM                          | 25      | 0         | 13.10                 | 12.93                 | 12.88                 | 12.89                 | 13.05                 | 0-1                       | 0        |
|                                | 1       | 0         | 13.09                 | 12.94                 | 13.03                 | 12.98                 | 13.13                 |                           | 0        |
|                                | 1       | 12        | 13.14                 | 12.92                 | 12.98                 | 13.02                 | 12.97                 |                           | 0        |
|                                | 1       | 24        | 13.15                 | 12.81                 | 13.02                 | 12.99                 | 13.16                 | 0-2                       | 0        |
|                                | 12      | 0         | 13.06                 | 12.94                 | 12.91                 | 12.91                 | 13.02                 |                           | 0        |
|                                | 12      | 6         | 13.13                 | 12.93                 | 12.89                 | 12.89                 | 13.04                 |                           | 0        |
| 64QAM                          | 12      | 13        | 13.06                 | 12.90                 | 12.90                 | 12.89                 | 13.00                 | 0-2                       | 0        |
|                                | 25      | 0         | 13.12                 | 12.97                 | 12.88                 | 12.87                 | 13.03                 |                           | 0        |
|                                | 1       | 0         | 13.10                 | 12.82                 | 12.91                 | 12.80                 | 13.11                 |                           | 0        |
|                                | 1       | 12        | 13.14                 | 12.95                 | 12.89                 | 12.98                 | 13.01                 | 0-3                       | 0        |
|                                | 1       | 24        | 13.15                 | 12.94                 | 12.99                 | 12.97                 | 12.95                 |                           | 0        |
|                                | 12      | 0         | 13.08                 | 12.96                 | 12.91                 | 12.89                 | 12.99                 |                           | 0        |
|                                | 12      | 6         | 13.09                 | 12.91                 | 12.92                 | 12.84                 | 13.04                 |                           | 0        |
|                                | 12      | 13        | 13.11                 | 12.89                 | 12.95                 | 12.83                 | 13.02                 |                           | 0        |
|                                | 25      | 0         | 13.08                 | 12.95                 | 12.89                 | 12.89                 | 13.05                 |                           | 0        |
|                                |         |           |                       |                       |                       |                       |                       |                           |          |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 186 of 284                 |

**Table 8-285**  
**LTE Band 41 PC3 Conducted Powers Ant 4a - 20 MHz Bandwidth**

| LTE Band 41<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 16.71                 | 16.72                 | 16.48                 | 16.61                 | 16.26                 | 0                            | 0        |
|                                 | 1       | 50        | 16.84                 | 16.73                 | 16.53                 | 16.55                 | 16.32                 |                              | 0        |
|                                 | 1       | 99        | 16.83                 | 16.60                 | 16.57                 | 16.40                 | 16.34                 |                              | 0        |
|                                 | 50      | 0         | 16.83                 | 16.76                 | 16.54                 | 16.58                 | 16.25                 | 0-1                          | 0        |
|                                 | 50      | 25        | 16.82                 | 16.73                 | 16.54                 | 16.59                 | 16.33                 |                              | 0        |
|                                 | 50      | 50        | 16.80                 | 16.68                 | 16.52                 | 16.44                 | 16.33                 |                              | 0        |
|                                 | 100     | 0         | 16.78                 | 16.69                 | 16.53                 | 16.56                 | 16.32                 |                              | 0        |
| 16QAM                           | 1       | 0         | 16.75                 | 16.76                 | 16.60                 | 16.57                 | 16.23                 | 0-1                          | 0        |
|                                 | 1       | 50        | 16.73                 | 16.74                 | 16.68                 | 16.44                 | 16.35                 |                              | 0        |
|                                 | 1       | 99        | 16.87                 | 16.60                 | 16.66                 | 16.29                 | 16.32                 |                              | 0        |
|                                 | 50      | 0         | 16.84                 | 16.90                 | 16.49                 | 16.54                 | 16.23                 | 0-2                          | 0        |
|                                 | 50      | 25        | 16.87                 | 16.77                 | 16.52                 | 16.52                 | 16.34                 |                              | 0        |
|                                 | 50      | 50        | 16.84                 | 16.67                 | 16.50                 | 16.43                 | 16.32                 |                              | 0        |
|                                 | 100     | 0         | 16.83                 | 16.74                 | 16.48                 | 16.53                 | 16.30                 |                              | 0        |
| 64QAM                           | 1       | 0         | 16.68                 | 16.72                 | 16.50                 | 16.64                 | 16.28                 | 0-2                          | 0        |
|                                 | 1       | 50        | 16.85                 | 16.80                 | 16.54                 | 16.60                 | 16.28                 |                              | 0        |
|                                 | 1       | 99        | 16.85                 | 16.62                 | 16.61                 | 16.41                 | 16.38                 |                              | 0        |
|                                 | 50      | 0         | 16.84                 | 16.81                 | 16.49                 | 16.54                 | 16.24                 | 0-3                          | 0        |
|                                 | 50      | 25        | 16.85                 | 16.77                 | 16.48                 | 16.53                 | 16.30                 |                              | 0        |
|                                 | 50      | 50        | 16.82                 | 16.70                 | 16.46                 | 16.43                 | 16.33                 |                              | 0        |
|                                 | 100     | 0         | 16.80                 | 16.74                 | 16.50                 | 16.53                 | 16.30                 |                              | 0        |

**Table 8-286**  
**LTE Band 41 PC3 Conducted Powers Ant 4a - 15 MHz Bandwidth**

| LTE Band 41<br>15 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 16.73                 | 16.68                 | 16.48                 | 16.41                 | 16.18                 | 0                            | 0        |
|                                 | 1       | 36        | 16.70                 | 16.65                 | 16.59                 | 16.40                 | 16.34                 |                              | 0        |
|                                 | 1       | 74        | 16.74                 | 16.43                 | 16.53                 | 16.19                 | 16.17                 |                              | 0        |
|                                 | 36      | 0         | 16.62                 | 16.73                 | 16.43                 | 16.43                 | 16.16                 | 0-1                          | 0        |
|                                 | 36      | 18        | 16.66                 | 16.68                 | 16.49                 | 16.43                 | 16.31                 |                              | 0        |
|                                 | 36      | 37        | 16.70                 | 16.53                 | 16.46                 | 16.30                 | 16.28                 |                              | 0        |
|                                 | 75      | 0         | 16.65                 | 16.61                 | 16.47                 | 16.41                 | 16.27                 |                              | 0        |
| 16QAM                           | 1       | 0         | 16.89                 | 16.62                 | 16.58                 | 16.26                 | 16.29                 | 0-1                          | 0        |
|                                 | 1       | 36        | 16.87                 | 16.58                 | 16.60                 | 16.19                 | 16.55                 |                              | 0        |
|                                 | 1       | 74        | 16.90                 | 16.32                 | 16.53                 | 16.06                 | 16.29                 |                              | 0        |
|                                 | 36      | 0         | 16.61                 | 16.73                 | 16.42                 | 16.46                 | 16.20                 | 0-2                          | 0        |
|                                 | 36      | 18        | 16.65                 | 16.66                 | 16.53                 | 16.46                 | 16.35                 |                              | 0        |
|                                 | 36      | 37        | 16.70                 | 16.55                 | 16.46                 | 16.31                 | 16.30                 |                              | 0        |
|                                 | 75      | 0         | 16.65                 | 16.63                 | 16.48                 | 16.40                 | 16.29                 |                              | 0        |
| 64QAM                           | 1       | 0         | 16.62                 | 16.60                 | 16.26                 | 16.36                 | 16.08                 | 0-2                          | 0        |
|                                 | 1       | 36        | 16.55                 | 16.57                 | 16.49                 | 16.41                 | 16.20                 |                              | 0        |
|                                 | 1       | 74        | 16.39                 | 16.21                 | 16.19                 | 16.19                 | 15.94                 |                              | 0        |
|                                 | 36      | 0         | 16.61                 | 16.70                 | 16.43                 | 16.45                 | 16.18                 | 0-3                          | 0        |
|                                 | 36      | 18        | 16.64                 | 16.70                 | 16.52                 | 16.41                 | 16.33                 |                              | 0        |
|                                 | 36      | 37        | 16.67                 | 16.54                 | 16.47                 | 16.29                 | 16.29                 |                              | 0        |
|                                 | 75      | 0         | 16.59                 | 16.63                 | 16.51                 | 16.40                 | 16.30                 |                              | 0        |

|                                         |                                                                                                   |                              |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   | Page 187 of 284                 |

**Table 8-287**  
**LTE Band 41 PC3 Conducted Powers Ant 4a - 10 MHz Bandwidth**

| LTE Band 41<br>10 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |   |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|---|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |   |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |   |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |   |
| QPSK                            | 1       | 0         | 16.76                 | 16.77                 | 16.55                 | 16.57                 | 16.25                 | 0                            | 0        |   |
|                                 | 1       | 25        | 16.67                 | 16.62                 | 16.55                 | 16.50                 | 16.27                 |                              | 0-1      | 0 |
|                                 | 1       | 49        | 16.80                 | 16.60                 | 16.54                 | 16.46                 | 16.23                 |                              |          | 0 |
|                                 | 25      | 0         | 16.61                 | 16.62                 | 16.41                 | 16.43                 | 16.28                 | 0                            |          |   |
|                                 | 25      | 12        | 16.61                 | 16.60                 | 16.44                 | 16.41                 | 16.28                 | 0-1                          |          | 0 |
|                                 | 25      | 25        | 16.68                 | 16.57                 | 16.44                 | 16.33                 | 16.29                 |                              | 0        |   |
|                                 | 50      | 0         | 16.61                 | 16.61                 | 16.44                 | 16.40                 | 16.28                 |                              | 0        |   |
| 16QAM                           | 1       | 0         | 16.88                 | 16.57                 | 16.61                 | 16.65                 | 16.30                 | 0-1                          | 0        |   |
|                                 | 1       | 25        | 16.87                 | 16.53                 | 16.62                 | 16.50                 | 16.40                 |                              | 0-2      | 0 |
|                                 | 1       | 49        | 16.90                 | 16.47                 | 16.55                 | 16.46                 | 16.35                 |                              |          | 0 |
|                                 | 25      | 0         | 16.58                 | 16.63                 | 16.40                 | 16.42                 | 16.23                 | 0-2                          |          | 0 |
|                                 | 25      | 12        | 16.60                 | 16.60                 | 16.44                 | 16.39                 | 16.23                 |                              |          | 0 |
|                                 | 25      | 25        | 16.70                 | 16.60                 | 16.45                 | 16.34                 | 16.20                 |                              | 0        |   |
|                                 | 50      | 0         | 16.63                 | 16.62                 | 16.45                 | 16.42                 | 16.25                 |                              | 0        |   |
| 64QAM                           | 1       | 0         | 16.29                 | 16.65                 | 16.31                 | 16.45                 | 16.25                 | 0-2                          | 0        |   |
|                                 | 1       | 25        | 16.50                 | 16.36                 | 16.25                 | 16.48                 | 16.32                 |                              | 0-3      | 0 |
|                                 | 1       | 49        | 16.71                 | 16.56                 | 16.39                 | 16.34                 | 16.30                 |                              |          | 0 |
|                                 | 25      | 0         | 16.60                 | 16.59                 | 16.45                 | 16.44                 | 16.20                 | 0                            |          |   |
|                                 | 25      | 12        | 16.62                 | 16.55                 | 16.44                 | 16.41                 | 16.22                 | 0-3                          |          | 0 |
|                                 | 25      | 25        | 16.72                 | 16.57                 | 16.46                 | 16.35                 | 16.24                 |                              | 0        |   |
|                                 | 50      | 0         | 16.62                 | 16.61                 | 16.47                 | 16.45                 | 16.22                 |                              | 0        |   |

**Table 8-288**  
**LTE Band 41 PC3 Conducted Powers Ant 4a - 5 MHz Bandwidth**

| LTE Band 41<br>5 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |   |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|---|
| Modulation                     | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |   |
|                                |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |   |
|                                |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |   |
| QPSK                           | 1       | 0         | 16.72                 | 16.70                 | 16.49                 | 16.32                 | 16.36                 | 0                            | 0        |   |
|                                | 1       | 12        | 16.67                 | 16.60                 | 16.51                 | 16.29                 | 16.32                 |                              | 0-1      | 0 |
|                                | 1       | 24        | 16.81                 | 16.63                 | 16.54                 | 16.19                 | 16.31                 |                              |          | 0 |
|                                | 12      | 0         | 16.52                 | 16.53                 | 16.33                 | 16.34                 | 16.20                 | 0                            |          |   |
|                                | 12      | 6         | 16.54                 | 16.50                 | 16.37                 | 16.30                 | 16.18                 | 0                            |          | 0 |
|                                | 12      | 13        | 16.64                 | 16.51                 | 16.38                 | 16.30                 | 16.17                 |                              | 0        |   |
|                                | 25      | 0         | 16.57                 | 16.53                 | 16.40                 | 16.33                 | 16.18                 |                              | 0        |   |
| 16QAM                          | 1       | 0         | 16.69                 | 16.56                 | 16.42                 | 16.41                 | 16.23                 | 0-1                          | 0        |   |
|                                | 1       | 12        | 16.57                 | 16.71                 | 16.53                 | 16.45                 | 16.04                 |                              | 0-2      | 0 |
|                                | 1       | 24        | 16.75                 | 16.55                 | 16.51                 | 16.29                 | 16.39                 |                              |          | 0 |
|                                | 12      | 0         | 16.59                 | 16.56                 | 16.36                 | 16.32                 | 16.18                 | 0                            |          |   |
|                                | 12      | 6         | 16.57                 | 16.53                 | 16.41                 | 16.34                 | 16.15                 | 0                            |          | 0 |
|                                | 12      | 13        | 16.67                 | 16.49                 | 16.41                 | 16.31                 | 16.18                 |                              | 0        |   |
|                                | 25      | 0         | 16.59                 | 16.55                 | 16.39                 | 16.34                 | 16.19                 |                              | 0        |   |
| 64QAM                          | 1       | 0         | 16.61                 | 16.41                 | 16.46                 | 16.36                 | 16.30                 | 0-2                          | 0        |   |
|                                | 1       | 12        | 16.68                 | 16.54                 | 16.53                 | 16.47                 | 16.21                 |                              | 0-3      | 0 |
|                                | 1       | 24        | 16.66                 | 16.42                 | 16.62                 | 16.19                 | 16.26                 |                              |          | 0 |
|                                | 12      | 0         | 16.56                 | 16.52                 | 16.39                 | 16.35                 | 16.21                 | 0                            |          |   |
|                                | 12      | 6         | 16.53                 | 16.43                 | 16.46                 | 16.27                 | 16.14                 | 0                            |          | 0 |
|                                | 12      | 13        | 16.64                 | 16.51                 | 16.38                 | 16.29                 | 16.22                 |                              | 0        |   |
|                                | 25      | 0         | 16.55                 | 16.58                 | 16.41                 | 16.29                 | 16.19                 |                              | 0        |   |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 188 of 284                        |

**Table 8-289**  
**LTE Band 41 PC3 Conducted Powers Ant 4b - 20 MHz Bandwidth**

| LTE Band 41<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 14.68                 | 14.48                 | 14.37                 | 14.80                 | 14.20                 | 0                            | 0        |
|                                 | 1       | 50        | 14.64                 | 14.34                 | 14.52                 | 14.65                 | 14.38                 |                              | 0        |
|                                 | 1       | 99        | 14.63                 | 14.27                 | 14.72                 | 14.51                 | 14.51                 |                              | 0        |
|                                 | 50      | 0         | 14.61                 | 14.36                 | 14.48                 | 14.75                 | 14.46                 | 0-1                          | 0        |
|                                 | 50      | 25        | 14.52                 | 14.37                 | 14.56                 | 14.72                 | 14.41                 |                              | 0        |
|                                 | 50      | 50        | 14.54                 | 14.31                 | 14.64                 | 14.61                 | 14.47                 |                              | 0        |
|                                 | 100     | 0         | 14.51                 | 14.33                 | 14.63                 | 14.70                 | 14.40                 |                              | 0        |
| 16QAM                           | 1       | 0         | 14.43                 | 14.21                 | 14.14                 | 14.67                 | 14.20                 | 0-1                          | 0        |
|                                 | 1       | 50        | 14.34                 | 14.11                 | 14.23                 | 14.61                 | 14.25                 |                              | 0        |
|                                 | 1       | 99        | 14.42                 | 13.99                 | 14.60                 | 14.34                 | 14.37                 |                              | 0        |
|                                 | 50      | 0         | 14.41                 | 14.24                 | 14.19                 | 14.52                 | 14.19                 | 0-2                          | 0        |
|                                 | 50      | 25        | 14.37                 | 14.06                 | 14.22                 | 14.44                 | 14.16                 |                              | 0        |
|                                 | 50      | 50        | 14.31                 | 14.05                 | 14.27                 | 14.28                 | 14.18                 |                              | 0        |
|                                 | 100     | 0         | 14.31                 | 14.09                 | 14.23                 | 14.38                 | 14.17                 |                              | 0        |
| 64QAM                           | 1       | 0         | 14.27                 | 14.08                 | 14.23                 | 14.11                 | 14.21                 | 0-2                          | 0        |
|                                 | 1       | 50        | 14.22                 | 14.11                 | 14.17                 | 14.13                 | 14.09                 |                              | 0        |
|                                 | 1       | 99        | 14.25                 | 14.13                 | 14.19                 | 14.15                 | 14.07                 |                              | 0        |
|                                 | 50      | 0         | 14.13                 | 14.12                 | 14.21                 | 14.17                 | 14.11                 | 0-3                          | 0        |
|                                 | 50      | 25        | 14.15                 | 14.05                 | 14.20                 | 14.25                 | 14.13                 |                              | 0        |
|                                 | 50      | 50        | 14.26                 | 14.16                 | 14.19                 | 14.21                 | 14.15                 |                              | 0        |
|                                 | 100     | 0         | 14.27                 | 14.18                 | 14.11                 | 14.20                 | 14.19                 |                              | 0        |

**Table 8-290**  
**LTE Band 41 PC3 Conducted Powers Ant 4b - 15 MHz Bandwidth**

| LTE Band 41<br>15 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |   |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|---|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |   |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |   |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |   |
| QPSK                            | 1       | 0         | 14.50                 | 14.57                 | 14.27                 | 14.38                 | 14.07                 | 0                            | 0        |   |
|                                 | 1       | 36        | 14.48                 | 14.56                 | 14.35                 | 14.39                 | 14.16                 |                              | 0-1      | 0 |
|                                 | 1       | 74        | 14.53                 | 14.32                 | 14.35                 | 14.24                 | 14.08                 |                              |          | 0 |
|                                 | 36      | 0         | 14.41                 | 14.35                 | 14.20                 | 14.33                 | 14.07                 | 0                            |          |   |
|                                 | 36      | 18        | 14.43                 | 14.35                 | 14.25                 | 14.33                 | 14.05                 | 0                            |          | 0 |
|                                 | 36      | 37        | 14.51                 | 14.20                 | 14.20                 | 14.21                 | 14.05                 |                              | 0        |   |
|                                 | 75      | 0         | 14.42                 | 14.23                 | 14.22                 | 14.31                 | 14.04                 |                              | 0        |   |
| 16QAM                           | 1       | 0         | 14.74                 | 14.66                 | 14.20                 | 14.67                 | 14.04                 | 0-1                          | 0        |   |
|                                 | 1       | 36        | 14.78                 | 14.50                 | 14.33                 | 14.61                 | 14.11                 |                              | 0-2      | 0 |
|                                 | 1       | 74        | 14.79                 | 14.45                 | 14.36                 | 14.44                 | 14.03                 |                              |          | 0 |
|                                 | 36      | 0         | 14.21                 | 14.36                 | 13.99                 | 14.15                 | 14.09                 | 0                            |          | 0 |
|                                 | 36      | 18        | 14.26                 | 14.37                 | 14.04                 | 14.15                 | 14.07                 |                              |          | 0 |
|                                 | 36      | 37        | 14.33                 | 14.18                 | 14.02                 | 14.03                 | 14.06                 |                              | 0        |   |
|                                 | 75      | 0         | 14.21                 | 14.24                 | 14.05                 | 14.13                 | 14.05                 | 0                            |          |   |
| 64QAM                           | 1       | 0         | 14.58                 | 14.53                 | 14.36                 | 14.39                 | 14.09                 | 0-2                          | 0        |   |
|                                 | 1       | 36        | 14.51                 | 14.57                 | 14.45                 | 14.40                 | 14.24                 |                              | 0-3      | 0 |
|                                 | 1       | 74        | 14.56                 | 14.36                 | 14.47                 | 14.28                 | 14.16                 |                              |          | 0 |
|                                 | 36      | 0         | 14.19                 | 14.35                 | 13.98                 | 14.16                 | 14.00                 | 0                            |          |   |
|                                 | 36      | 18        | 14.23                 | 14.36                 | 14.04                 | 14.16                 | 14.04                 | 0                            |          | 0 |
|                                 | 36      | 37        | 14.29                 | 14.17                 | 14.01                 | 14.02                 | 14.03                 |                              | 0        |   |
|                                 | 75      | 0         | 14.18                 | 14.23                 | 14.03                 | 14.11                 | 14.03                 |                              | 0        |   |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 189 of 284                        |

**Table 8-291**  
**LTE Band 41 PC3 Conducted Powers Ant 4b - 10 MHz Bandwidth**

| LTE Band 41<br>10 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                           |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per 3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                           |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                           |          |
| QPSK                            | 1       | 0         | 14.48                 | 14.54                 | 14.29                 | 14.34                 | 14.02                 | 0                         | 0        |
|                                 | 1       | 25        | 14.42                 | 14.43                 | 14.27                 | 14.26                 | 14.01                 |                           | 0        |
|                                 | 1       | 49        | 14.53                 | 14.35                 | 14.31                 | 14.18                 | 14.01                 |                           | 0        |
|                                 | 25      | 0         | 14.42                 | 14.50                 | 14.21                 | 14.33                 | 14.03                 | 0-1                       | 0        |
|                                 | 25      | 12        | 14.41                 | 14.41                 | 14.23                 | 14.29                 | 14.02                 |                           | 0        |
|                                 | 25      | 25        | 14.52                 | 14.42                 | 14.22                 | 14.21                 | 14.05                 |                           | 0        |
|                                 | 50      | 0         | 14.42                 | 14.42                 | 14.23                 | 14.29                 | 14.05                 |                           | 0        |
| 16QAM                           | 1       | 0         | 14.65                 | 14.61                 | 14.50                 | 14.54                 | 14.20                 | 0-1                       | 0        |
|                                 | 1       | 25        | 14.59                 | 14.56                 | 14.53                 | 14.45                 | 14.25                 |                           | 0        |
|                                 | 1       | 49        | 14.79                 | 14.40                 | 14.62                 | 14.34                 | 14.22                 |                           | 0        |
|                                 | 25      | 0         | 14.25                 | 14.33                 | 14.01                 | 14.13                 | 14.05                 | 0-2                       | 0        |
|                                 | 25      | 12        | 14.22                 | 14.22                 | 14.02                 | 14.10                 | 14.03                 |                           | 0        |
|                                 | 25      | 25        | 14.33                 | 14.25                 | 14.04                 | 14.03                 | 14.04                 |                           | 0        |
|                                 | 50      | 0         | 14.23                 | 14.22                 | 14.04                 | 14.12                 | 14.06                 |                           | 0        |
| 64QAM                           | 1       | 0         | 14.65                 | 14.45                 | 14.41                 | 14.43                 | 13.99                 | 0-2                       | 0        |
|                                 | 1       | 25        | 14.46                 | 14.54                 | 14.24                 | 14.47                 | 14.20                 |                           | 0        |
|                                 | 1       | 49        | 14.68                 | 14.49                 | 14.35                 | 14.30                 | 14.11                 |                           | 0        |
|                                 | 25      | 0         | 14.25                 | 14.30                 | 14.03                 | 14.12                 | 14.04                 | 0-3                       | 0        |
|                                 | 25      | 12        | 14.20                 | 14.24                 | 14.05                 | 14.10                 | 14.02                 |                           | 0        |
|                                 | 25      | 25        | 14.30                 | 14.24                 | 14.04                 | 14.03                 | 14.05                 |                           | 0        |
|                                 | 50      | 0         | 14.25                 | 14.26                 | 14.04                 | 14.14                 | 14.07                 |                           | 0        |

**Table 8-292**  
**LTE Band 41 PC3 Conducted Powers Ant 4b - 5 MHz Bandwidth**

| LTE Band 41<br>5 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 14.33                 | 14.23                 | 14.18                 | 14.27                 | 14.27                 | 0                            | 0        |
|                                | 1       | 12        | 14.28                 | 14.20                 | 14.20                 | 14.31                 | 14.18                 |                              | 0        |
|                                | 1       | 24        | 14.25                 | 14.14                 | 14.21                 | 14.20                 | 14.16                 |                              | 0        |
|                                | 12      | 0         | 14.15                 | 14.13                 | 14.07                 | 14.34                 | 14.17                 | 0-1                          | 0        |
|                                | 12      | 6         | 14.11                 | 14.11                 | 14.11                 | 14.35                 | 14.11                 |                              | 0        |
|                                | 12      | 13        | 14.12                 | 14.07                 | 14.11                 | 14.34                 | 14.11                 |                              | 0        |
|                                | 25      | 0         | 14.18                 | 14.13                 | 14.13                 | 14.36                 | 14.13                 |                              | 0        |
| 16QAM                          | 1       | 0         | 14.31                 | 14.33                 | 14.15                 | 14.34                 | 14.32                 | 0-1                          | 0        |
|                                | 1       | 12        | 14.21                 | 14.22                 | 14.19                 | 14.47                 | 14.23                 |                              | 0        |
|                                | 1       | 24        | 14.23                 | 14.11                 | 14.27                 | 14.30                 | 14.13                 |                              | 0        |
|                                | 12      | 0         | 14.16                 | 14.15                 | 14.11                 | 14.38                 | 14.15                 | 0-2                          | 0        |
|                                | 12      | 6         | 14.16                 | 14.16                 | 14.13                 | 14.33                 | 14.10                 |                              | 0        |
|                                | 12      | 13        | 14.15                 | 14.12                 | 14.09                 | 14.37                 | 14.10                 |                              | 0        |
|                                | 25      | 0         | 14.16                 | 14.11                 | 14.08                 | 14.39                 | 14.16                 |                              | 0        |
| 64QAM                          | 1       | 0         | 14.24                 | 14.04                 | 14.00                 | 14.58                 | 14.23                 | 0-2                          | 0        |
|                                | 1       | 12        | 14.31                 | 14.07                 | 14.13                 | 14.39                 | 14.13                 |                              | 0        |
|                                | 1       | 24        | 14.23                 | 14.14                 | 14.16                 | 14.46                 | 14.26                 |                              | 0        |
|                                | 12      | 0         | 14.18                 | 14.15                 | 14.07                 | 14.40                 | 14.17                 | 0-3                          | 0        |
|                                | 12      | 6         | 14.18                 | 14.11                 | 14.10                 | 14.42                 | 14.08                 |                              | 0        |
|                                | 12      | 13        | 14.19                 | 14.09                 | 14.13                 | 14.37                 | 14.04                 |                              | 0        |
|                                | 25      | 0         | 14.18                 | 14.19                 | 14.16                 | 14.38                 | 14.12                 |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 190 of 284                 |

## 8.3.12

## LTE Band 41 PC2

Table 8-293

LTE Band 41 PC2 Conducted Powers Ant 2a - 20 MHz Bandwidth

| LTE Band 41<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 16.23                 | 16.04                 | 15.91                 | 16.34                 | 16.25                 | 0                            | 0        |
|                                 | 1       | 50        | 16.21                 | 16.28                 | 15.91                 | 16.18                 | 16.23                 |                              | 0        |
|                                 | 1       | 99        | 16.27                 | 16.39                 | 16.16                 | 16.20                 | 16.14                 |                              | 0        |
|                                 | 50      | 0         | 16.28                 | 16.06                 | 15.92                 | 16.08                 | 16.12                 | 0-1                          | 0        |
|                                 | 50      | 25        | 16.21                 | 16.15                 | 15.96                 | 16.02                 | 16.06                 |                              | 0        |
|                                 | 50      | 50        | 16.34                 | 16.16                 | 16.08                 | 15.96                 | 16.11                 |                              | 0        |
|                                 | 100     | 0         | 16.17                 | 16.12                 | 15.95                 | 16.02                 | 16.07                 |                              | 0        |
| 16QAM                           | 1       | 0         | 16.25                 | 16.09                 | 16.03                 | 16.31                 | 16.15                 | 0-1                          | 0        |
|                                 | 1       | 50        | 16.12                 | 16.20                 | 16.02                 | 16.18                 | 16.20                 |                              | 0        |
|                                 | 1       | 99        | 16.23                 | 16.29                 | 16.33                 | 16.17                 | 16.10                 |                              | 0        |
|                                 | 50      | 0         | 15.80                 | 15.62                 | 15.44                 | 15.69                 | 15.68                 | 0-2                          | 0        |
|                                 | 50      | 25        | 15.73                 | 15.73                 | 15.46                 | 15.60                 | 15.64                 |                              | 0        |
|                                 | 50      | 50        | 15.81                 | 15.77                 | 15.61                 | 15.50                 | 15.58                 |                              | 0        |
|                                 | 100     | 0         | 15.71                 | 15.73                 | 15.46                 | 15.60                 | 15.61                 |                              | 0        |
| 64QAM                           | 1       | 0         | 16.36                 | 16.39                 | 16.05                 | 16.29                 | 16.39                 | 0-2                          | 0        |
|                                 | 1       | 50        | 16.39                 | 16.40                 | 16.12                 | 16.19                 | 16.33                 |                              | 0        |
|                                 | 1       | 99        | 16.39                 | 16.36                 | 16.26                 | 16.09                 | 16.23                 |                              | 0        |
|                                 | 50      | 0         | 16.00                 | 16.07                 | 15.64                 | 15.90                 | 15.86                 | 0-3                          | 0        |
|                                 | 50      | 25        | 16.02                 | 16.13                 | 15.71                 | 15.86                 | 15.87                 |                              | 0        |
|                                 | 50      | 50        | 15.98                 | 16.06                 | 15.80                 | 15.73                 | 15.76                 |                              | 0        |
|                                 | 100     | 0         | 15.96                 | 16.12                 | 15.67                 | 15.81                 | 15.85                 |                              | 0        |

Table 8-294

LTE Band 41 PC2 Conducted Powers Ant 2a - 15 MHz Bandwidth

| LTE Band 41      |         |           |                       |                       |                       |                       |                       |                           |          |     |
|------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------------|----------|-----|
| 15 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                           |          |     |
| Modulation       | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per 3GPP [dB] | MPR [dB] |     |
|                  |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                           |          |     |
|                  |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                           |          |     |
| QPSK             | 1       | 0         | 16.09                 | 16.03                 | 15.59                 | 15.90                 | 15.85                 | 0                         | 0        |     |
|                  | 1       | 36        | 16.15                 | 16.21                 | 15.77                 | 15.90                 | 15.95                 |                           | 0-1      | 0   |
|                  | 1       | 74        | 16.02                 | 16.00                 | 15.89                 | 15.74                 | 15.83                 |                           |          | 0   |
|                  | 36      | 0         | 16.03                 | 16.03                 | 15.58                 | 15.84                 | 15.86                 | 0-1                       |          | 0   |
|                  | 36      | 18        | 16.05                 | 16.10                 | 15.67                 | 15.83                 | 15.86                 |                           | 0        |     |
|                  | 36      | 37        | 16.00                 | 16.02                 | 15.68                 | 15.72                 | 15.79                 |                           | 0        |     |
| 16QAM            | 75      | 0         | 15.96                 | 16.08                 | 15.65                 | 15.78                 | 15.84                 | 0-1                       | 0        |     |
|                  | 1       | 0         | 16.37                 | 16.38                 | 15.78                 | 16.40                 | 16.35                 |                           | 0-1      | 0   |
|                  | 1       | 36        | 16.38                 | 16.40                 | 15.97                 | 16.39                 | 16.38                 |                           |          | 0   |
|                  | 1       | 74        | 16.36                 | 16.39                 | 16.06                 | 16.18                 | 16.30                 | 0-2                       |          | 0   |
|                  | 36      | 0         | 16.03                 | 16.04                 | 15.61                 | 15.86                 | 15.88                 |                           | 0        |     |
|                  | 36      | 18        | 16.07                 | 16.11                 | 15.71                 | 15.86                 | 15.87                 |                           | 0        |     |
| 64QAM            | 36      | 37        | 16.02                 | 16.04                 | 15.70                 | 15.74                 | 15.80                 | 0-2                       | 0        |     |
|                  | 75      | 0         | 15.99                 | 16.11                 | 15.68                 | 15.82                 | 15.85                 |                           | 0-3      | 0   |
|                  | 1       | 0         | 16.38                 | 16.33                 | 15.89                 | 16.24                 | 16.10                 |                           |          | 0-2 |
|                  | 1       | 36        | 16.40                 | 16.37                 | 16.08                 | 16.22                 | 16.18                 | 0-3                       |          |     |
|                  | 1       | 74        | 16.37                 | 16.26                 | 16.16                 | 16.03                 | 16.13                 |                           | 0        |     |
|                  | 36      | 0         | 16.04                 | 16.03                 | 15.61                 | 15.84                 | 15.88                 |                           | 0        |     |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 191 of 284                 |

**Table 8-295**  
**LTE Band 41 PC2 Conducted Powers Ant 2a - 10 MHz Bandwidth**

| LTE Band 41<br>10 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |   |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|---|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |   |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |   |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |   |
| QPSK                            | 1       | 0         | 16.11                 | 16.09                 | 15.65                 | 15.90                 | 15.84                 | 0                            | 0        |   |
|                                 | 1       | 25        | 16.03                 | 16.11                 | 15.66                 | 15.82                 | 15.92                 |                              | 0-1      | 0 |
|                                 | 1       | 49        | 16.02                 | 16.07                 | 15.79                 | 15.72                 | 15.85                 |                              |          | 0 |
|                                 | 25      | 0         | 16.03                 | 16.08                 | 15.66                 | 15.84                 | 15.81                 | 0                            |          |   |
|                                 | 25      | 12        | 15.97                 | 16.07                 | 15.63                 | 15.80                 | 15.82                 | 0-1                          |          | 0 |
|                                 | 25      | 25        | 15.98                 | 16.02                 | 15.68                 | 15.74                 | 15.77                 |                              | 0        |   |
|                                 | 50      | 0         | 15.99                 | 16.08                 | 15.66                 | 15.80                 | 15.84                 |                              | 0        |   |
| 16QAM                           | 1       | 0         | 16.37                 | 16.39                 | 16.13                 | 16.34                 | 16.38                 | 0-1                          | 0        |   |
|                                 | 1       | 25        | 16.40                 | 16.40                 | 16.21                 | 16.20                 | 16.38                 |                              | 0-2      | 0 |
|                                 | 1       | 49        | 16.40                 | 16.39                 | 16.31                 | 16.13                 | 16.26                 |                              |          | 0 |
|                                 | 25      | 0         | 16.06                 | 16.08                 | 15.68                 | 15.86                 | 15.82                 | 0                            |          |   |
|                                 | 25      | 12        | 16.00                 | 16.07                 | 15.66                 | 15.82                 | 15.85                 | 0-2                          |          | 0 |
|                                 | 25      | 25        | 16.02                 | 16.03                 | 15.71                 | 15.77                 | 15.80                 |                              | 0        |   |
|                                 | 50      | 0         | 16.00                 | 16.08                 | 15.67                 | 15.82                 | 15.85                 |                              | 0        |   |
| 64QAM                           | 1       | 0         | 16.38                 | 16.39                 | 15.99                 | 16.25                 | 16.18                 | 0-2                          | 0        |   |
|                                 | 1       | 25        | 16.25                 | 16.38                 | 15.95                 | 16.21                 | 16.20                 |                              | 0-3      | 0 |
|                                 | 1       | 49        | 16.37                 | 16.37                 | 16.18                 | 16.09                 | 16.08                 |                              |          | 0 |
|                                 | 25      | 0         | 16.08                 | 16.11                 | 15.68                 | 15.88                 | 15.83                 | 0                            |          |   |
|                                 | 25      | 12        | 16.03                 | 16.09                 | 15.66                 | 15.82                 | 15.86                 | 0-3                          |          | 0 |
|                                 | 25      | 25        | 16.01                 | 16.07                 | 15.69                 | 15.75                 | 15.81                 |                              | 0        |   |
|                                 | 50      | 0         | 16.02                 | 16.10                 | 15.70                 | 15.81                 | 15.85                 |                              | 0        |   |

**Table 8-296**  
**LTE Band 41 PC2 Conducted Powers Ant 2a - 5 MHz Bandwidth**

| LTE Band 41<br>5 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 16.08                 | 16.03                 | 15.74                 | 15.84                 | 15.81                 | 0                            | 0        |
|                                | 1       | 12        | 16.00                 | 16.04                 | 15.70                 | 15.76                 | 15.81                 |                              | 0        |
|                                | 1       | 24        | 16.01                 | 16.01                 | 15.76                 | 15.72                 | 15.77                 |                              | 0        |
|                                | 12      | 0         | 15.98                 | 16.00                 | 15.66                 | 15.76                 | 15.77                 | 0-1                          | 0        |
|                                | 12      | 6         | 15.96                 | 16.00                 | 15.65                 | 15.73                 | 15.77                 |                              | 0        |
|                                | 12      | 13        | 15.99                 | 15.95                 | 15.69                 | 15.70                 | 15.72                 |                              | 0        |
|                                | 25      | 0         | 15.97                 | 16.01                 | 15.67                 | 15.73                 | 15.80                 |                              | 0        |
| 16QAM                          | 1       | 0         | 16.38                 | 16.01                 | 15.96                 | 16.23                 | 15.82                 | 0-1                          | 0        |
|                                | 1       | 12        | 16.40                 | 16.39                 | 15.88                 | 16.07                 | 16.36                 |                              | 0        |
|                                | 1       | 24        | 16.37                 | 16.37                 | 16.15                 | 16.06                 | 16.27                 |                              | 0        |
|                                | 12      | 0         | 16.05                 | 16.09                 | 15.65                 | 15.83                 | 15.80                 | 0-2                          | 0        |
|                                | 12      | 6         | 16.01                 | 16.06                 | 15.64                 | 15.79                 | 15.82                 |                              | 0        |
|                                | 12      | 13        | 16.02                 | 16.01                 | 15.69                 | 15.77                 | 15.78                 |                              | 0        |
|                                | 25      | 0         | 16.02                 | 16.02                 | 15.65                 | 15.81                 | 15.81                 |                              | 0        |
| 64QAM                          | 1       | 0         | 16.40                 | 16.04                 | 16.08                 | 16.33                 | 15.84                 | 0-2                          | 0        |
|                                | 1       | 12        | 16.39                 | 16.39                 | 16.01                 | 16.21                 | 16.25                 |                              | 0        |
|                                | 1       | 24        | 16.37                 | 16.38                 | 16.11                 | 16.18                 | 16.20                 |                              | 0        |
|                                | 12      | 0         | 15.99                 | 16.02                 | 15.64                 | 15.82                 | 15.79                 | 0-3                          | 0        |
|                                | 12      | 6         | 15.98                 | 16.03                 | 15.63                 | 15.82                 | 15.76                 |                              | 0        |
|                                | 12      | 13        | 16.06                 | 16.01                 | 15.67                 | 15.78                 | 15.74                 |                              | 0        |
|                                | 25      | 0         | 16.00                 | 16.00                 | 15.63                 | 15.76                 | 15.84                 |                              | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 192 of 284                 |

**Table 8-297**  
**LTE Band 41 PC2 Conducted Powers Ant 2b - 20 MHz Bandwidth**

| LTE Band 41<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 13.04                 | 12.80                 | 12.81                 | 13.01                 | 12.85                 | 0                            | 0        |
|                                 | 1       | 50        | 13.13                 | 12.81                 | 12.82                 | 12.87                 | 12.87                 |                              | 0        |
|                                 | 1       | 99        | 13.12                 | 12.82                 | 13.09                 | 12.81                 | 12.91                 |                              | 0        |
|                                 | 50      | 0         | 12.97                 | 12.82                 | 12.83                 | 12.84                 | 12.82                 | 0-1                          | 0        |
|                                 | 50      | 25        | 13.08                 | 12.86                 | 12.88                 | 12.82                 | 12.86                 |                              | 0        |
|                                 | 50      | 50        | 13.03                 | 12.89                 | 12.90                 | 12.80                 | 12.90                 |                              | 0        |
|                                 | 100     | 0         | 13.07                 | 12.88                 | 12.86                 | 12.80                 | 12.88                 |                              | 0        |
| 16QAM                           | 1       | 0         | 13.11                 | 12.91                 | 13.00                 | 13.05                 | 13.05                 | 0-1                          | 0        |
|                                 | 1       | 50        | 13.25                 | 13.10                 | 13.02                 | 12.92                 | 13.15                 |                              | 0        |
|                                 | 1       | 99        | 13.18                 | 13.08                 | 13.30                 | 12.89                 | 13.30                 |                              | 0        |
|                                 | 50      | 0         | 13.02                 | 12.85                 | 12.87                 | 12.85                 | 12.85                 | 0-2                          | 0        |
|                                 | 50      | 25        | 13.01                 | 12.83                 | 12.86                 | 12.83                 | 12.85                 |                              | 0        |
|                                 | 50      | 50        | 13.02                 | 12.84                 | 12.86                 | 12.80                 | 12.90                 |                              | 0        |
|                                 | 100     | 0         | 13.02                 | 12.86                 | 12.83                 | 12.81                 | 12.89                 |                              | 0        |
| 64QAM                           | 1       | 0         | 13.38                 | 13.20                 | 13.20                 | 13.48                 | 13.22                 | 0-2                          | 0        |
|                                 | 1       | 50        | 13.35                 | 13.25                 | 13.21                 | 13.40                 | 13.34                 |                              | 0        |
|                                 | 1       | 99        | 13.38                 | 13.27                 | 13.38                 | 13.32                 | 13.32                 |                              | 0        |
|                                 | 50      | 0         | 12.98                 | 12.86                 | 12.91                 | 12.90                 | 12.90                 | 0-3                          | 0        |
|                                 | 50      | 25        | 13.06                 | 12.90                 | 12.96                 | 12.87                 | 12.97                 |                              | 0        |
|                                 | 50      | 50        | 13.09                 | 12.90                 | 12.87                 | 12.82                 | 12.89                 |                              | 0        |
|                                 | 100     | 0         | 13.06                 | 12.88                 | 12.83                 | 12.80                 | 12.94                 |                              | 0        |

**Table 8-298**  
**LTE Band 41 PC2 Conducted Powers Ant 2b - 15 MHz Bandwidth**

| LTE Band 41<br>15 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |   |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|---|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |   |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |   |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |   |
| QPSK                            | 1       | 0         | 13.02                 | 13.05                 | 12.87                 | 13.12                 | 12.85                 | 0                            | 0        |   |
|                                 | 1       | 36        | 13.15                 | 13.18                 | 12.99                 | 13.09                 | 13.03                 |                              | 0-1      | 0 |
|                                 | 1       | 74        | 13.09                 | 13.15                 | 13.10                 | 12.86                 | 12.89                 |                              |          | 0 |
|                                 | 36      | 0         | 12.93                 | 12.99                 | 12.87                 | 13.03                 | 12.87                 | 0                            |          |   |
|                                 | 36      | 18        | 13.05                 | 13.10                 | 12.93                 | 13.01                 | 12.92                 | 0                            |          | 0 |
|                                 | 36      | 37        | 13.06                 | 13.08                 | 12.99                 | 12.89                 | 12.88                 |                              | 0        |   |
|                                 | 75      | 0         | 13.04                 | 13.09                 | 12.90                 | 12.97                 | 12.91                 |                              | 0        |   |
| 16QAM                           | 1       | 0         | 13.45                 | 13.32                 | 13.14                 | 13.13                 | 13.08                 | 0-1                          | 0        |   |
|                                 | 1       | 36        | 13.40                 | 13.42                 | 13.23                 | 13.22                 | 13.24                 |                              | 0-2      | 0 |
|                                 | 1       | 74        | 13.41                 | 13.29                 | 13.38                 | 12.89                 | 13.00                 |                              |          | 0 |
|                                 | 36      | 0         | 12.91                 | 13.00                 | 12.90                 | 13.00                 | 12.91                 | 0                            |          |   |
|                                 | 36      | 18        | 13.04                 | 12.90                 | 12.90                 | 13.00                 | 12.94                 | 0                            |          | 0 |
|                                 | 36      | 37        | 13.06                 | 12.87                 | 12.96                 | 12.92                 | 12.93                 |                              | 0        |   |
|                                 | 75      | 0         | 13.01                 | 12.86                 | 12.92                 | 12.98                 | 12.94                 |                              | 0        |   |
| 64QAM                           | 1       | 0         | 13.36                 | 12.91                 | 12.96                 | 13.08                 | 13.09                 | 0-2                          | 0        |   |
|                                 | 1       | 36        | 13.30                 | 13.25                 | 13.05                 | 13.17                 | 13.34                 |                              | 0-3      | 0 |
|                                 | 1       | 74        | 13.32                 | 13.13                 | 13.00                 | 13.07                 | 13.29                 |                              |          | 0 |
|                                 | 36      | 0         | 12.90                 | 12.99                 | 12.88                 | 13.04                 | 12.86                 | 0                            |          |   |
|                                 | 36      | 18        | 13.03                 | 13.10                 | 12.93                 | 13.02                 | 12.92                 | 0                            |          | 0 |
|                                 | 36      | 37        | 13.04                 | 13.08                 | 12.96                 | 12.87                 | 12.90                 |                              | 0        |   |
|                                 | 75      | 0         | 13.01                 | 13.08                 | 12.92                 | 12.99                 | 12.91                 |                              | 0        |   |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 193 of 284                        |

**Table 8-299**  
**LTE Band 41 PC2 Conducted Powers Ant 2b - 10 MHz Bandwidth**

| LTE Band 41<br>10 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |   |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|---|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |   |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |   |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |   |
| QPSK                            | 1       | 0         | 13.06                 | 12.81                 | 12.92                 | 13.12                 | 12.97                 | 0                            | 0        |   |
|                                 | 1       | 25        | 13.11                 | 12.85                 | 12.93                 | 13.05                 | 13.00                 |                              | 0-1      | 0 |
|                                 | 1       | 49        | 13.19                 | 12.88                 | 13.10                 | 12.97                 | 12.95                 |                              |          | 0 |
|                                 | 25      | 0         | 12.95                 | 12.85                 | 12.91                 | 13.00                 | 12.89                 | 0                            |          |   |
|                                 | 25      | 12        | 13.04                 | 12.83                 | 12.90                 | 12.97                 | 12.92                 | 0-1                          |          | 0 |
|                                 | 25      | 25        | 13.06                 | 12.86                 | 12.97                 | 12.92                 | 12.92                 |                              | 0        |   |
|                                 | 50      | 0         | 13.04                 | 12.86                 | 12.92                 | 12.98                 | 12.93                 |                              | 0        |   |
| 16QAM                           | 1       | 0         | 13.42                 | 13.23                 | 13.17                 | 13.21                 | 13.43                 | 0-1                          | 0        |   |
|                                 | 1       | 25        | 13.42                 | 13.24                 | 13.17                 | 13.16                 | 13.36                 |                              | 0-2      | 0 |
|                                 | 1       | 49        | 13.41                 | 13.26                 | 13.20                 | 13.06                 | 13.40                 |                              |          | 0 |
|                                 | 25      | 0         | 12.92                 | 12.87                 | 12.94                 | 12.99                 | 12.92                 | 0-2                          |          | 0 |
|                                 | 25      | 12        | 13.02                 | 12.87                 | 12.91                 | 12.97                 | 12.94                 |                              |          | 0 |
|                                 | 25      | 25        | 13.05                 | 12.90                 | 12.98                 | 12.94                 | 12.92                 |                              | 0        |   |
|                                 | 50      | 0         | 13.05                 | 12.82                 | 12.91                 | 12.96                 | 12.95                 |                              | 0        |   |
| 64QAM                           | 1       | 0         | 13.34                 | 13.13                 | 13.18                 | 13.10                 | 13.28                 | 0-2                          | 0        |   |
|                                 | 1       | 25        | 13.39                 | 12.99                 | 13.19                 | 13.01                 | 13.27                 |                              | 0-3      | 0 |
|                                 | 1       | 49        | 13.47                 | 13.23                 | 13.28                 | 12.90                 | 13.38                 |                              |          | 0 |
|                                 | 25      | 0         | 12.96                 | 12.82                 | 12.94                 | 12.99                 | 12.89                 | 0                            |          |   |
|                                 | 25      | 12        | 13.07                 | 12.86                 | 12.94                 | 12.95                 | 12.95                 | 0-3                          |          | 0 |
|                                 | 25      | 25        | 13.09                 | 12.89                 | 13.01                 | 12.89                 | 12.94                 |                              | 0        |   |
|                                 | 50      | 0         | 13.05                 | 12.94                 | 12.95                 | 12.98                 | 12.95                 |                              | 0        |   |

**Table 8-300**  
**LTE Band 41 PC2 Conducted Powers Ant 2b - 5 MHz Bandwidth**

| LTE Band 41<br>5 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |   |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|---|
| Modulation                     | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |   |
|                                |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |   |
|                                |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |   |
| QPSK                           | 1       | 0         | 12.98                 | 12.87                 | 12.82                 | 13.00                 | 12.90                 | 0                            | 0        |   |
|                                | 1       | 12        | 13.03                 | 12.83                 | 12.80                 | 12.92                 | 12.89                 |                              | 0-1      | 0 |
|                                | 1       | 24        | 13.06                 | 12.84                 | 12.86                 | 12.88                 | 12.87                 |                              |          | 0 |
|                                | 12      | 0         | 12.97                 | 12.84                 | 12.81                 | 12.91                 | 12.85                 | 0                            |          |   |
|                                | 12      | 6         | 12.96                 | 12.81                 | 12.82                 | 12.91                 | 12.87                 | 0-1                          |          | 0 |
|                                | 12      | 13        | 13.01                 | 12.82                 | 12.88                 | 12.93                 | 12.84                 |                              | 0        |   |
|                                | 25      | 0         | 13.01                 | 12.83                 | 12.82                 | 12.92                 | 12.88                 |                              | 0        |   |
| 16QAM                          | 1       | 0         | 13.45                 | 13.35                 | 13.11                 | 13.08                 | 13.19                 | 0-1                          | 0        |   |
|                                | 1       | 12        | 13.35                 | 13.22                 | 13.18                 | 12.95                 | 13.25                 |                              | 0-2      | 0 |
|                                | 1       | 24        | 13.47                 | 13.32                 | 13.22                 | 12.94                 | 13.32                 |                              |          | 0 |
|                                | 12      | 0         | 12.98                 | 12.85                 | 12.86                 | 12.97                 | 12.86                 | 0                            |          |   |
|                                | 12      | 6         | 13.03                 | 12.84                 | 12.86                 | 12.97                 | 12.91                 | 0-2                          |          | 0 |
|                                | 12      | 13        | 13.03                 | 12.85                 | 12.87                 | 12.92                 | 12.88                 |                              | 0        |   |
|                                | 25      | 0         | 12.99                 | 12.87                 | 12.89                 | 12.96                 | 12.88                 |                              | 0        |   |
| 64QAM                          | 1       | 0         | 13.35                 | 13.29                 | 13.22                 | 13.13                 | 13.32                 | 0-2                          | 0        |   |
|                                | 1       | 12        | 13.40                 | 13.28                 | 13.13                 | 13.17                 | 13.29                 |                              | 0-3      | 0 |
|                                | 1       | 24        | 13.43                 | 13.24                 | 13.08                 | 13.08                 | 13.33                 |                              |          | 0 |
|                                | 12      | 0         | 13.03                 | 12.81                 | 12.84                 | 12.96                 | 12.88                 | 0                            |          |   |
|                                | 12      | 6         | 13.06                 | 12.82                 | 12.80                 | 12.94                 | 12.93                 | 0-3                          |          | 0 |
|                                | 12      | 13        | 13.04                 | 12.87                 | 12.91                 | 12.87                 | 12.90                 |                              | 0        |   |
|                                | 25      | 0         | 13.01                 | 12.84                 | 12.84                 | 12.95                 | 12.88                 |                              | 0        |   |

|                                         |                                                                                                                  |                            |  |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  |  | Page 194 of 284                 |

**Table 8-301**  
**LTE Band 41 PC2 Conducted Powers Ant 4a - 20 MHz Bandwidth**

| LTE Band 41      |         |           |                       |                       |                       |                       |                       |                           |          |
|------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------------|----------|
| 20 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                           |          |
| Modulation       | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per 3GPP [dB] | MPR [dB] |
|                  |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                           |          |
|                  |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                           |          |
| QPSK             | 1       | 0         | 16.49                 | 16.71                 | 16.25                 | 16.41                 | 16.23                 | 0                         | 0        |
|                  | 1       | 50        | 16.60                 | 16.74                 | 16.28                 | 16.32                 | 16.29                 |                           | 0        |
|                  | 1       | 99        | 16.60                 | 16.64                 | 16.34                 | 16.30                 | 16.31                 |                           | 0        |
|                  | 50      | 0         | 16.65                 | 16.58                 | 16.31                 | 16.35                 | 16.04                 | 0-1                       | 0        |
|                  | 50      | 25        | 16.64                 | 16.57                 | 16.31                 | 16.35                 | 16.13                 |                           | 0        |
|                  | 50      | 50        | 16.64                 | 16.50                 | 16.32                 | 16.25                 | 16.13                 |                           | 0        |
|                  | 100     | 0         | 16.57                 | 16.56                 | 16.31                 | 16.34                 | 16.12                 |                           | 0        |
| 16QAM            | 1       | 0         | 16.70                 | 16.86                 | 16.52                 | 16.55                 | 16.39                 | 0-1                       | 0        |
|                  | 1       | 50        | 16.75                 | 16.90                 | 16.58                 | 16.50                 | 16.44                 |                           | 0        |
|                  | 1       | 99        | 16.80                 | 16.75                 | 16.55                 | 16.35                 | 16.47                 |                           | 0        |
|                  | 50      | 0         | 16.42                 | 16.33                 | 16.11                 | 16.13                 | 15.92                 | 0-2                       | 0        |
|                  | 50      | 25        | 16.41                 | 16.31                 | 16.10                 | 16.12                 | 15.90                 |                           | 0        |
|                  | 50      | 50        | 16.40                 | 16.23                 | 16.10                 | 16.02                 | 15.91                 |                           | 0        |
|                  | 100     | 0         | 16.35                 | 16.28                 | 16.09                 | 16.08                 | 15.90                 |                           | 0        |
| 64QAM            | 1       | 0         | 16.89                 | 16.90                 | 16.57                 | 16.70                 | 16.45                 | 0-2                       | 0        |
|                  | 1       | 50        | 16.86                 | 16.89                 | 16.70                 | 16.66                 | 16.60                 |                           | 0        |
|                  | 1       | 99        | 16.88                 | 16.80                 | 16.82                 | 16.79                 | 16.49                 |                           | 0        |
|                  | 50      | 0         | 16.43                 | 16.45                 | 16.11                 | 16.59                 | 16.00                 | 0-3                       | 0        |
|                  | 50      | 25        | 16.40                 | 16.37                 | 16.19                 | 16.18                 | 16.07                 |                           | 0        |
|                  | 50      | 50        | 16.46                 | 16.27                 | 16.18                 | 16.04                 | 16.04                 |                           | 0        |
|                  | 100     | 0         | 16.38                 | 16.33                 | 16.15                 | 16.12                 | 16.05                 |                           | 0        |

**Table 8-302**  
**LTE Band 41 PC2 Conducted Powers Ant 4a - 15 MHz Bandwidth**

| LTE Band 41<br>15 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 16.71                 | 16.72                 | 16.48                 | 16.43                 | 16.24                 | 0                            | 0        |
|                                 | 1       | 36        | 16.68                 | 16.67                 | 16.55                 | 16.44                 | 16.38                 |                              | 0        |
|                                 | 1       | 74        | 16.70                 | 16.46                 | 16.51                 | 16.23                 | 16.22                 |                              | 0        |
|                                 | 36      | 0         | 16.63                 | 16.71                 | 16.40                 | 16.37                 | 16.19                 | 0-1                          | 0        |
|                                 | 36      | 18        | 16.59                 | 16.68                 | 16.46                 | 16.37                 | 16.28                 |                              | 0        |
|                                 | 36      | 37        | 16.65                 | 16.50                 | 16.43                 | 16.27                 | 16.25                 |                              | 0        |
|                                 | 75      | 0         | 16.59                 | 16.54                 | 16.45                 | 16.34                 | 16.27                 |                              | 0        |
| 16QAM                           | 1       | 0         | 16.61                 | 16.87                 | 16.42                 | 16.53                 | 16.13                 | 0-1                          | 0        |
|                                 | 1       | 36        | 16.58                 | 16.88                 | 16.35                 | 16.50                 | 16.30                 |                              | 0        |
|                                 | 1       | 74        | 16.80                 | 16.53                 | 16.51                 | 16.21                 | 16.09                 |                              | 0        |
|                                 | 36      | 0         | 16.36                 | 16.44                 | 16.15                 | 16.14                 | 15.93                 | 0-2                          | 0        |
|                                 | 36      | 18        | 16.40                 | 16.44                 | 16.22                 | 16.12                 | 16.03                 |                              | 0        |
|                                 | 36      | 37        | 16.45                 | 16.26                 | 16.18                 | 16.00                 | 15.97                 |                              | 0        |
|                                 | 75      | 0         | 16.37                 | 16.32                 | 16.19                 | 16.13                 | 16.01                 |                              | 0        |
| 64QAM                           | 1       | 0         | 16.86                 | 16.54                 | 16.50                 | 16.43                 | 16.26                 | 0-2                          | 0        |
|                                 | 1       | 36        | 16.76                 | 16.65                 | 16.61                 | 16.42                 | 16.34                 |                              | 0        |
|                                 | 1       | 74        | 16.79                 | 16.47                 | 16.63                 | 16.27                 | 16.37                 |                              | 0        |
|                                 | 36      | 0         | 16.38                 | 16.47                 | 16.14                 | 16.11                 | 15.93                 | 0-3                          | 0        |
|                                 | 36      | 18        | 16.37                 | 16.42                 | 16.21                 | 16.16                 | 16.05                 |                              | 0        |
|                                 | 36      | 37        | 16.45                 | 16.26                 | 16.16                 | 16.02                 | 16.00                 |                              | 0        |
|                                 | 75      | 0         | 16.35                 | 16.31                 | 16.18                 | 16.13                 | 16.00                 |                              | 0        |

|                                         |                                                                                                   |                              |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   | Page 195 of 284                 |

**Table 8-303**  
**LTE Band 41 PC2 Conducted Powers Ant 4a - 10 MHz Bandwidth**

| LTE Band 41<br>10 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |   |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|---|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |   |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |   |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |   |
| QPSK                            | 1       | 0         | 16.66                 | 16.78                 | 16.46                 | 16.47                 | 16.24                 | 0                            | 0        |   |
|                                 | 1       | 25        | 16.57                 | 16.63                 | 16.47                 | 16.40                 | 16.25                 |                              | 0-1      | 0 |
|                                 | 1       | 49        | 16.71                 | 16.58                 | 16.47                 | 16.31                 | 16.20                 |                              |          | 0 |
|                                 | 25      | 0         | 16.59                 | 16.63                 | 16.39                 | 16.35                 | 16.26                 | 0                            |          |   |
|                                 | 25      | 12        | 16.57                 | 16.53                 | 16.42                 | 16.33                 | 16.26                 | 0-1                          |          | 0 |
|                                 | 25      | 25        | 16.67                 | 16.53                 | 16.43                 | 16.26                 | 16.26                 |                              | 0        |   |
|                                 | 50      | 0         | 16.58                 | 16.55                 | 16.45                 | 16.33                 | 16.26                 |                              | 0        |   |
| 16QAM                           | 1       | 0         | 16.90                 | 16.87                 | 16.59                 | 16.54                 | 16.40                 | 0-1                          | 0        |   |
|                                 | 1       | 25        | 16.80                 | 16.77                 | 16.65                 | 16.50                 | 16.33                 |                              | 0-2      | 0 |
|                                 | 1       | 49        | 16.87                 | 16.81                 | 16.58                 | 16.28                 | 16.29                 |                              |          | 0 |
|                                 | 25      | 0         | 16.38                 | 16.40                 | 16.14                 | 16.14                 | 16.00                 | 0-2                          |          | 0 |
|                                 | 25      | 12        | 16.37                 | 16.33                 | 16.17                 | 16.06                 | 15.99                 |                              |          | 0 |
|                                 | 25      | 25        | 16.46                 | 16.34                 | 16.20                 | 15.96                 | 15.99                 |                              | 0        |   |
|                                 | 50      | 0         | 16.38                 | 16.34                 | 16.23                 | 16.11                 | 16.00                 |                              | 0        |   |
| 64QAM                           | 1       | 0         | 16.85                 | 16.83                 | 16.53                 | 16.61                 | 16.43                 | 0-2                          | 0        |   |
|                                 | 1       | 25        | 16.61                 | 16.47                 | 16.55                 | 16.47                 | 16.35                 |                              | 0-3      | 0 |
|                                 | 1       | 49        | 16.83                 | 16.53                 | 16.67                 | 16.28                 | 16.44                 |                              |          | 0 |
|                                 | 25      | 0         | 16.35                 | 16.41                 | 16.17                 | 16.14                 | 16.03                 | 0                            |          |   |
|                                 | 25      | 12        | 16.33                 | 16.35                 | 16.16                 | 16.04                 | 16.01                 | 0-3                          |          | 0 |
|                                 | 25      | 25        | 16.40                 | 16.35                 | 16.17                 | 15.98                 | 16.02                 |                              | 0        |   |
|                                 | 50      | 0         | 16.40                 | 16.29                 | 16.22                 | 16.13                 | 16.04                 |                              | 0        |   |

**Table 8-304**  
**LTE Band 41 PC2 Conducted Powers Ant 4a - 5 MHz Bandwidth**

| LTE Band 41<br>5 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 16.63                 | 16.64                 | 16.49                 | 16.28                 | 16.20                 | 0                            | 0        |
|                                | 1       | 12        | 16.59                 | 16.52                 | 16.52                 | 16.25                 | 16.17                 |                              | 0        |
|                                | 1       | 24        | 16.69                 | 16.58                 | 16.52                 | 16.19                 | 16.19                 |                              | 0        |
|                                | 12      | 0         | 16.54                 | 16.62                 | 16.43                 | 16.32                 | 16.15                 | 0-1                          | 0        |
|                                | 12      | 6         | 16.56                 | 16.52                 | 16.45                 | 16.29                 | 16.15                 |                              | 0        |
|                                | 12      | 13        | 16.63                 | 16.53                 | 16.47                 | 16.26                 | 16.15                 |                              | 0        |
|                                | 25      | 0         | 16.59                 | 16.52                 | 16.50                 | 16.30                 | 16.17                 |                              | 0        |
| 16QAM                          | 1       | 0         | 16.86                 | 16.69                 | 16.72                 | 16.55                 | 16.27                 | 0-1                          | 0        |
|                                | 1       | 12        | 16.84                 | 16.57                 | 16.66                 | 16.43                 | 16.37                 |                              | 0        |
|                                | 1       | 24        | 16.82                 | 16.68                 | 16.64                 | 16.45                 | 16.37                 |                              | 0        |
|                                | 12      | 0         | 16.33                 | 16.41                 | 16.20                 | 16.13                 | 15.96                 | 0-2                          | 0        |
|                                | 12      | 6         | 16.33                 | 16.25                 | 16.22                 | 16.09                 | 15.92                 |                              | 0        |
|                                | 12      | 13        | 16.36                 | 16.28                 | 16.21                 | 16.07                 | 15.94                 |                              | 0        |
|                                | 25      | 0         | 16.31                 | 16.34                 | 16.27                 | 16.08                 | 15.91                 |                              | 0        |
| 64QAM                          | 1       | 0         | 16.86                 | 16.75                 | 16.60                 | 16.30                 | 16.49                 | 0-2                          | 0        |
|                                | 1       | 12        | 16.71                 | 16.69                 | 16.56                 | 16.54                 | 16.44                 |                              | 0        |
|                                | 1       | 24        | 16.86                 | 16.71                 | 16.76                 | 16.22                 | 16.32                 |                              | 0        |
|                                | 12      | 0         | 16.35                 | 16.36                 | 16.25                 | 16.11                 | 15.92                 | 0-3                          | 0        |
|                                | 12      | 6         | 16.34                 | 16.25                 | 16.27                 | 16.10                 | 16.03                 |                              | 0        |
|                                | 12      | 13        | 16.47                 | 16.34                 | 16.22                 | 16.10                 | 16.01                 |                              | 0        |
|                                | 25      | 0         | 16.36                 | 16.34                 | 16.18                 | 16.15                 | 15.99                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 196 of 284                        |

**Table 8-305**  
**LTE Band 41 PC2 Conducted Powers Ant 4b - 20 MHz Bandwidth**

| LTE Band 41<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 14.61                 | 14.39                 | 14.35                 | 14.80                 | 14.65                 | 0                            | 0        |
|                                 | 1       | 50        | 14.52                 | 14.36                 | 14.49                 | 14.66                 | 14.37                 |                              | 0        |
|                                 | 1       | 99        | 14.56                 | 14.27                 | 14.71                 | 14.55                 | 14.50                 |                              | 0        |
|                                 | 50      | 0         | 14.70                 | 14.43                 | 14.45                 | 14.79                 | 14.41                 | 0-1                          | 0        |
|                                 | 50      | 25        | 14.53                 | 14.41                 | 14.53                 | 14.74                 | 14.43                 |                              | 0        |
|                                 | 50      | 50        | 14.57                 | 14.35                 | 14.59                 | 14.65                 | 14.47                 |                              | 0        |
|                                 | 100     | 0         | 14.55                 | 14.35                 | 14.58                 | 14.70                 | 14.45                 |                              | 0        |
| 16QAM                           | 1       | 0         | 14.75                 | 14.58                 | 14.35                 | 14.80                 | 14.51                 | 0-1                          | 0        |
|                                 | 1       | 50        | 14.64                 | 14.43                 | 14.66                 | 14.77                 | 14.54                 |                              | 0        |
|                                 | 1       | 99        | 14.61                 | 14.33                 | 14.72                 | 14.62                 | 14.48                 |                              | 0        |
|                                 | 50      | 0         | 14.16                 | 13.98                 | 13.99                 | 14.25                 | 13.97                 | 0-2                          | 0        |
|                                 | 50      | 25        | 14.11                 | 13.91                 | 14.07                 | 14.18                 | 13.94                 |                              | 0        |
|                                 | 50      | 50        | 14.11                 | 13.86                 | 14.11                 | 14.14                 | 13.97                 |                              | 0        |
|                                 | 100     | 0         | 14.10                 | 13.87                 | 14.12                 | 14.18                 | 13.91                 |                              | 0        |
| 64QAM                           | 1       | 0         | 14.26                 | 14.13                 | 14.11                 | 14.25                 | 14.14                 | 0-2                          | 0        |
|                                 | 1       | 50        | 14.26                 | 14.21                 | 14.26                 | 14.16                 | 14.23                 |                              | 0        |
|                                 | 1       | 99        | 14.34                 | 14.37                 | 14.21                 | 14.27                 | 13.97                 |                              | 0        |
|                                 | 50      | 0         | 14.51                 | 14.25                 | 14.25                 | 13.99                 | 14.15                 | 0-3                          | 0        |
|                                 | 50      | 25        | 14.56                 | 14.26                 | 14.27                 | 13.97                 | 14.12                 |                              | 0        |
|                                 | 50      | 50        | 14.65                 | 14.21                 | 14.16                 | 14.14                 | 14.13                 |                              | 0        |
|                                 | 100     | 0         | 14.61                 | 14.26                 | 14.15                 | 14.25                 | 14.11                 |                              | 0        |

**Table 8-306**  
**LTE Band 41 PC2 Conducted Powers Ant 4b - 15 MHz Bandwidth**

| LTE Band 41<br>15 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |   |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|---|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |   |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |   |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |   |
| QPSK                            | 1       | 0         | 14.56                 | 14.61                 | 14.33                 | 14.43                 | 14.07                 | 0                            | 0        |   |
|                                 | 1       | 36        | 14.55                 | 14.59                 | 14.40                 | 14.44                 | 14.16                 |                              | 0-1      | 0 |
|                                 | 1       | 74        | 14.59                 | 14.38                 | 14.42                 | 14.29                 | 14.09                 |                              |          | 0 |
|                                 | 36      | 0         | 14.50                 | 14.62                 | 14.29                 | 14.42                 | 14.06                 | 0                            |          |   |
|                                 | 36      | 18        | 14.52                 | 14.62                 | 14.33                 | 14.42                 | 14.14                 | 0                            |          |   |
|                                 | 36      | 37        | 14.58                 | 14.46                 | 14.30                 | 14.30                 | 14.11                 |                              | 0        |   |
|                                 | 75      | 0         | 14.48                 | 14.50                 | 14.29                 | 14.40                 | 14.12                 |                              | 0        |   |
| 16QAM                           | 1       | 0         | 14.72                 | 14.77                 | 14.48                 | 14.57                 | 14.27                 | 0-1                          | 0        |   |
|                                 | 1       | 36        | 14.71                 | 14.74                 | 14.52                 | 14.52                 | 14.28                 |                              | 0-2      | 0 |
|                                 | 1       | 74        | 14.70                 | 14.39                 | 14.59                 | 14.39                 | 14.23                 |                              |          | 0 |
|                                 | 36      | 0         | 14.48                 | 14.62                 | 14.27                 | 14.41                 | 14.09                 | 0                            |          |   |
|                                 | 36      | 18        | 14.51                 | 14.63                 | 14.32                 | 14.42                 | 14.13                 | 0                            |          |   |
|                                 | 36      | 37        | 14.57                 | 14.46                 | 14.31                 | 14.28                 | 14.11                 |                              | 0        |   |
|                                 | 75      | 0         | 14.50                 | 14.52                 | 14.30                 | 14.39                 | 14.12                 |                              | 0        |   |
| 64QAM                           | 1       | 0         | 14.45                 | 14.41                 | 14.15                 | 14.25                 | 14.06                 | 0-2                          | 0        |   |
|                                 | 1       | 36        | 14.38                 | 14.49                 | 14.22                 | 14.33                 | 14.07                 |                              | 0-3      | 0 |
|                                 | 1       | 74        | 14.38                 | 14.22                 | 14.26                 | 14.10                 | 14.08                 |                              |          | 0 |
|                                 | 36      | 0         | 14.46                 | 14.62                 | 14.27                 | 14.42                 | 14.07                 | 0                            |          |   |
|                                 | 36      | 18        | 14.51                 | 14.62                 | 14.33                 | 14.42                 | 14.14                 | 0                            |          |   |
|                                 | 36      | 37        | 14.55                 | 14.46                 | 14.30                 | 14.28                 | 14.11                 |                              | 0        |   |
|                                 | 75      | 0         | 14.44                 | 14.50                 | 14.31                 | 14.39                 | 14.12                 |                              | 0        |   |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 197 of 284                 |

**Table 8-307**  
**LTE Band 41 PC2 Conducted Powers Ant 4b - 10 MHz Bandwidth**

| LTE Band 41<br>10 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 14.61                 | 14.46                 | 14.49                 | 14.77                 | 14.36                 | 0                            | 0        |
|                                 | 1       | 25        | 14.54                 | 14.41                 | 14.49                 | 14.77                 | 14.35                 |                              | 0        |
|                                 | 1       | 49        | 14.55                 | 14.42                 | 14.54                 | 14.66                 | 14.30                 |                              | 0        |
|                                 | 25      | 0         | 14.52                 | 14.44                 | 14.40                 | 14.64                 | 14.53                 | 0-1                          | 0        |
|                                 | 25      | 12        | 14.45                 | 14.44                 | 14.45                 | 14.64                 | 14.56                 |                              | 0        |
|                                 | 25      | 25        | 14.46                 | 14.40                 | 14.46                 | 14.55                 | 14.26                 |                              | 0        |
|                                 | 50      | 0         | 14.45                 | 14.44                 | 14.48                 | 14.53                 | 14.28                 |                              | 0        |
| 16QAM                           | 1       | 0         | 14.80                 | 14.39                 | 14.52                 | 14.50                 | 14.56                 | 0-1                          | 0        |
|                                 | 1       | 25        | 14.78                 | 14.41                 | 14.53                 | 14.62                 | 14.36                 |                              | 0        |
|                                 | 1       | 49        | 14.59                 | 14.33                 | 14.64                 | 14.58                 | 14.37                 |                              | 0        |
|                                 | 25      | 0         | 14.52                 | 14.43                 | 14.42                 | 14.46                 | 14.51                 | 0-2                          | 0        |
|                                 | 25      | 12        | 14.47                 | 14.41                 | 14.43                 | 14.63                 | 14.46                 |                              | 0        |
|                                 | 25      | 25        | 14.43                 | 14.39                 | 14.47                 | 14.44                 | 14.58                 |                              | 0        |
|                                 | 50      | 0         | 14.46                 | 14.40                 | 14.46                 | 14.49                 | 14.56                 |                              | 0        |
| 64QAM                           | 1       | 0         | 14.70                 | 14.44                 | 14.67                 | 14.75                 | 14.51                 | 0-2                          | 0        |
|                                 | 1       | 25        | 14.66                 | 14.39                 | 14.53                 | 14.76                 | 14.46                 |                              | 0        |
|                                 | 1       | 49        | 14.63                 | 14.29                 | 14.62                 | 14.56                 | 14.50                 |                              | 0        |
|                                 | 25      | 0         | 14.50                 | 14.42                 | 14.43                 | 14.71                 | 14.51                 | 0-3                          | 0        |
|                                 | 25      | 12        | 14.44                 | 14.43                 | 14.45                 | 14.56                 | 14.52                 |                              | 0        |
|                                 | 25      | 25        | 14.46                 | 14.49                 | 14.48                 | 14.55                 | 14.44                 |                              | 0        |
|                                 | 50      | 0         | 14.48                 | 14.49                 | 14.50                 | 14.46                 | 14.43                 |                              | 0        |

**Table 8-308**  
**LTE Band 41 PC2 Conducted Powers Ant 4b - 5 MHz Bandwidth**

| LTE Band 41<br>5 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |   |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|---|
| Modulation                     | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |   |
|                                |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |   |
|                                |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |   |
| QPSK                           | 1       | 0         | 14.52                 | 14.63                 | 14.38                 | 14.44                 | 14.13                 | 0                            | 0        |   |
|                                | 1       | 12        | 14.48                 | 14.52                 | 14.37                 | 14.36                 | 14.11                 |                              | 0-1      | 0 |
|                                | 1       | 24        | 14.58                 | 14.51                 | 14.40                 | 14.33                 | 14.15                 |                              |          | 0 |
|                                | 12      | 0         | 14.38                 | 14.51                 | 14.28                 | 14.35                 | 14.07                 | 0                            |          |   |
|                                | 12      | 6         | 14.41                 | 14.45                 | 14.33                 | 14.30                 | 14.06                 | 0                            |          | 0 |
|                                | 12      | 13        | 14.48                 | 14.45                 | 14.31                 | 14.30                 | 14.07                 |                              | 0        |   |
|                                | 25      | 0         | 14.44                 | 14.45                 | 14.34                 | 14.32                 | 14.08                 |                              | 0        |   |
| 16QAM                          | 1       | 0         | 14.57                 | 14.54                 | 14.45                 | 14.39                 | 14.12                 | 0-1                          | 0        |   |
|                                | 1       | 12        | 14.44                 | 14.45                 | 14.53                 | 14.38                 | 14.15                 |                              | 0-2      | 0 |
|                                | 1       | 24        | 14.73                 | 14.50                 | 14.37                 | 14.30                 | 14.16                 |                              |          | 0 |
|                                | 12      | 0         | 14.41                 | 14.54                 | 14.30                 | 14.35                 | 14.06                 | 0                            |          |   |
|                                | 12      | 6         | 14.43                 | 14.48                 | 14.34                 | 14.33                 | 14.05                 | 0                            |          | 0 |
|                                | 12      | 13        | 14.51                 | 14.47                 | 14.33                 | 14.30                 | 14.07                 |                              | 0        |   |
|                                | 25      | 0         | 14.45                 | 14.45                 | 14.34                 | 14.34                 | 14.09                 |                              | 0        |   |
| 64QAM                          | 1       | 0         | 14.52                 | 14.53                 | 14.29                 | 14.33                 | 14.06                 | 0-2                          | 0        |   |
|                                | 1       | 12        | 14.42                 | 14.46                 | 14.32                 | 14.26                 | 14.08                 |                              | 0-3      | 0 |
|                                | 1       | 24        | 14.53                 | 14.48                 | 14.31                 | 14.15                 | 14.06                 |                              |          | 0 |
|                                | 12      | 0         | 14.39                 | 14.52                 | 14.30                 | 14.34                 | 14.06                 | 0                            |          |   |
|                                | 12      | 6         | 14.39                 | 14.44                 | 14.34                 | 14.30                 | 14.07                 | 0                            |          | 0 |
|                                | 12      | 13        | 14.48                 | 14.45                 | 14.35                 | 14.26                 | 14.05                 |                              | 0        |   |
|                                | 25      | 0         | 14.45                 | 14.48                 | 14.37                 | 14.36                 | 14.05                 |                              | 0        |   |

|                                         |                                                                                                                  |                            |  |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  |  | Page 198 of 284                 |

## 8.3.13

## LTE Band 48

**Table 8-309**  
**LTE Band 48 Conducted Powers Ant 1 - 20 MHz Bandwidth**

| LTE Band 48<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 55340<br>(3560.0 MHz) | 55773<br>(3603.3 MHz) | 56207<br>(3646.7 MHz) | 56640<br>(3690.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 15.40                 | 15.03                 | 15.23                 | 14.74                 | 0                            | 0        |
|                                 | 1       | 50        | 15.11                 | 14.92                 | 15.01                 | 14.63                 |                              | 0        |
|                                 | 1       | 99        | 15.22                 | 15.22                 | 15.05                 | 14.90                 |                              | 0        |
|                                 | 50      | 0         | 15.23                 | 14.97                 | 15.21                 | 14.59                 | 0-1                          | 0        |
|                                 | 50      | 25        | 15.17                 | 14.92                 | 15.07                 | 14.58                 |                              | 0        |
|                                 | 50      | 50        | 15.15                 | 15.00                 | 14.96                 | 14.61                 |                              | 0        |
|                                 | 100     | 0         | 15.22                 | 15.01                 | 15.14                 | 14.66                 |                              | 0        |
| 16QAM                           | 1       | 0         | 15.30                 | 15.20                 | 15.30                 | 14.65                 | 0-1                          | 0        |
|                                 | 1       | 50        | 15.01                 | 14.95                 | 14.96                 | 14.52                 |                              | 0        |
|                                 | 1       | 99        | 15.12                 | 15.25                 | 15.00                 | 14.73                 |                              | 0        |
|                                 | 50      | 0         | 15.05                 | 14.80                 | 15.00                 | 14.50                 | 0-2                          | 0        |
|                                 | 50      | 25        | 14.97                 | 14.77                 | 14.91                 | 14.51                 |                              | 0        |
|                                 | 50      | 50        | 14.93                 | 14.80                 | 14.80                 | 14.52                 |                              | 0        |
|                                 | 100     | 0         | 15.06                 | 14.87                 | 15.00                 | 14.50                 |                              | 0        |
| 64QAM                           | 1       | 0         | 15.34                 | 15.10                 | 15.30                 | 14.80                 | 0-2                          | 0        |
|                                 | 1       | 50        | 15.17                 | 14.83                 | 15.10                 | 14.55                 |                              | 0        |
|                                 | 1       | 99        | 15.22                 | 15.12                 | 15.05                 | 14.81                 |                              | 0        |
|                                 | 50      | 0         | 15.02                 | 14.79                 | 14.97                 | 14.50                 | 0-3                          | 0        |
|                                 | 50      | 25        | 14.95                 | 14.75                 | 14.90                 | 14.51                 |                              | 0        |
|                                 | 50      | 50        | 14.95                 | 14.81                 | 14.79                 | 14.50                 |                              | 0        |
|                                 | 100     | 0         | 15.07                 | 14.88                 | 15.00                 | 14.53                 |                              | 0        |

**Table 8-310**  
**LTE Band 48 Conducted Powers Ant 1 - 15 MHz Bandwidth**

| LTE Band 48<br>15 MHz Bandwidth |         |           |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 55315<br>(3557.5 MHz) | 55765<br>(3602.5 MHz) | 56215<br>(3647.5 MHz) | 56665<br>(3692.5 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 15.35                 | 14.98                 | 15.18                 | 14.67                 | 0                            | 0        |
|                                 | 1       | 36        | 15.06                 | 14.87                 | 14.96                 | 14.56                 |                              | 0        |
|                                 | 1       | 74        | 15.17                 | 15.17                 | 15.00                 | 14.83                 |                              | 0        |
|                                 | 36      | 0         | 15.18                 | 14.92                 | 15.16                 | 14.52                 | 0-1                          | 0        |
|                                 | 36      | 18        | 15.12                 | 14.87                 | 15.02                 | 14.51                 |                              | 0        |
|                                 | 36      | 37        | 15.10                 | 14.95                 | 14.91                 | 14.54                 |                              | 0        |
|                                 | 75      | 0         | 15.17                 | 14.96                 | 15.09                 | 14.59                 |                              | 0        |
| 16QAM                           | 1       | 0         | 15.25                 | 15.15                 | 15.25                 | 14.58                 | 0-1                          | 0        |
|                                 | 1       | 36        | 14.96                 | 14.90                 | 14.91                 | 14.51                 |                              | 0        |
|                                 | 1       | 74        | 15.05                 | 15.18                 | 14.93                 | 14.66                 |                              | 0        |
|                                 | 36      | 0         | 14.98                 | 14.73                 | 14.93                 | 14.61                 | 0-2                          | 0        |
|                                 | 36      | 18        | 14.90                 | 14.70                 | 14.84                 | 14.64                 |                              | 0        |
|                                 | 36      | 37        | 14.86                 | 14.73                 | 14.73                 | 14.61                 |                              | 0        |
|                                 | 75      | 0         | 14.99                 | 14.80                 | 14.93                 | 14.62                 |                              | 0        |
| 64QAM                           | 1       | 0         | 15.32                 | 15.08                 | 15.28                 | 14.78                 | 0-2                          | 0        |
|                                 | 1       | 36        | 15.15                 | 14.81                 | 15.08                 | 14.53                 |                              | 0        |
|                                 | 1       | 74        | 15.20                 | 15.10                 | 15.03                 | 14.79                 |                              | 0        |
|                                 | 36      | 0         | 15.00                 | 14.77                 | 14.95                 | 14.61                 | 0-3                          | 0        |
|                                 | 36      | 18        | 14.93                 | 14.73                 | 14.88                 | 14.62                 |                              | 0        |
|                                 | 36      | 37        | 14.93                 | 14.79                 | 14.77                 | 14.63                 |                              | 0        |
|                                 | 75      | 0         | 15.05                 | 14.86                 | 14.98                 | 14.51                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 199 of 284                 |

**Table 8-311**  
**LTE Band 48 Conducted Powers Ant 1 - 10 MHz Bandwidth**

| LTE Band 48<br>10 MHz Bandwidth |         |           |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 55290<br>(3555.0 MHz) | 55757<br>(3601.7 MHz) | 56223<br>(3648.3 MHz) | 56690<br>(3695.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 15.34                 | 14.95                 | 15.20                 | 14.68                 | 0                            | 0        |
|                                 | 1       | 25        | 15.05                 | 14.84                 | 14.98                 | 14.57                 |                              | 0        |
|                                 | 1       | 49        | 15.16                 | 15.14                 | 15.02                 | 14.84                 |                              | 0        |
|                                 | 25      | 0         | 15.17                 | 14.89                 | 15.18                 | 14.53                 | 0-1                          | 0        |
|                                 | 25      | 12        | 15.11                 | 14.84                 | 15.04                 | 14.52                 |                              | 0        |
|                                 | 25      | 25        | 15.09                 | 14.92                 | 14.93                 | 14.55                 |                              | 0        |
|                                 | 50      | 0         | 15.16                 | 14.93                 | 15.11                 | 14.60                 |                              | 0        |
| 16QAM                           | 1       | 0         | 15.24                 | 15.12                 | 15.27                 | 14.59                 | 0-1                          | 0        |
|                                 | 1       | 25        | 14.95                 | 14.87                 | 14.93                 | 14.54                 |                              | 0        |
|                                 | 1       | 49        | 15.04                 | 15.15                 | 14.95                 | 14.67                 |                              | 0        |
|                                 | 25      | 0         | 14.97                 | 14.70                 | 14.95                 | 14.56                 | 0-2                          | 0        |
|                                 | 25      | 12        | 14.89                 | 14.67                 | 14.86                 | 14.67                 |                              | 0        |
|                                 | 25      | 25        | 14.85                 | 14.70                 | 14.75                 | 14.68                 |                              | 0        |
|                                 | 50      | 0         | 14.98                 | 14.77                 | 14.95                 | 14.61                 |                              | 0        |
| 64QAM                           | 1       | 0         | 15.26                 | 15.05                 | 15.30                 | 14.79                 | 0-2                          | 0        |
|                                 | 1       | 25        | 15.09                 | 14.78                 | 15.10                 | 14.54                 |                              | 0        |
|                                 | 1       | 49        | 15.14                 | 15.07                 | 15.05                 | 14.62                 |                              | 0        |
|                                 | 25      | 0         | 14.94                 | 14.74                 | 14.97                 | 14.67                 | 0-3                          | 0        |
|                                 | 25      | 12        | 14.87                 | 14.70                 | 14.90                 | 14.50                 |                              | 0        |
|                                 | 25      | 25        | 14.87                 | 14.76                 | 14.79                 | 14.61                 |                              | 0        |
|                                 | 50      | 0         | 14.99                 | 14.83                 | 15.00                 | 14.52                 |                              | 0        |

**Table 8-312**  
**LTE Band 48 Conducted Powers Ant 1 - 5 MHz Bandwidth**

| LTE Band 48<br>5 MHz Bandwidth |         |           |                       |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 55265<br>(3552.5 MHz) | 55748<br>(3600.8 MHz) | 56232<br>(3649.2 MHz) | 56715<br>(3697.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 15.29                 | 14.90                 | 15.15                 | 14.63                 | 0                            | 0        |
|                                | 1       | 12        | 15.00                 | 14.79                 | 14.93                 | 14.52                 |                              | 0        |
|                                | 1       | 24        | 15.11                 | 15.09                 | 14.97                 | 14.79                 |                              | 0        |
|                                | 12      | 0         | 15.12                 | 14.84                 | 15.13                 | 14.52                 | 0-1                          | 0        |
|                                | 12      | 6         | 15.06                 | 14.79                 | 14.99                 | 14.56                 |                              | 0        |
|                                | 12      | 13        | 15.04                 | 14.87                 | 14.88                 | 14.50                 |                              | 0        |
|                                | 25      | 0         | 15.11                 | 14.88                 | 15.06                 | 14.55                 |                              | 0        |
| 16QAM                          | 1       | 0         | 15.19                 | 15.07                 | 15.22                 | 14.54                 | 0-1                          | 0        |
|                                | 1       | 12        | 14.90                 | 14.82                 | 14.88                 | 14.51                 |                              | 0        |
|                                | 1       | 24        | 14.99                 | 15.10                 | 14.90                 | 14.62                 |                              | 0        |
|                                | 12      | 0         | 14.92                 | 14.65                 | 14.90                 | 14.55                 | 0-2                          | 0        |
|                                | 12      | 6         | 14.84                 | 14.62                 | 14.81                 | 14.56                 |                              | 0        |
|                                | 12      | 13        | 14.80                 | 14.65                 | 14.70                 | 14.54                 |                              | 0        |
|                                | 25      | 0         | 14.93                 | 14.72                 | 14.90                 | 14.59                 |                              | 0        |
| 64QAM                          | 1       | 0         | 15.21                 | 15.00                 | 15.25                 | 14.74                 | 0-2                          | 0        |
|                                | 1       | 12        | 15.04                 | 14.73                 | 15.05                 | 14.51                 |                              | 0        |
|                                | 1       | 24        | 15.09                 | 15.02                 | 15.00                 | 14.75                 |                              | 0        |
|                                | 12      | 0         | 14.89                 | 14.69                 | 14.92                 | 14.54                 | 0-3                          | 0        |
|                                | 12      | 6         | 14.82                 | 14.65                 | 14.85                 | 14.55                 |                              | 0        |
|                                | 12      | 13        | 14.82                 | 14.71                 | 14.74                 | 14.55                 |                              | 0        |
|                                | 25      | 0         | 14.94                 | 14.78                 | 14.95                 | 14.56                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 200 of 284                 |

**Table 8-313**  
**LTE Band 48 Conducted Powers Ant 3 - 20 MHz Bandwidth**

| LTE Band 48<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 55340<br>(3560.0 MHz) | 55773<br>(3603.3 MHz) | 56207<br>(3646.7 MHz) | 56640<br>(3690.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 17.01                 | 17.10                 | 17.32                 | 17.17                 | 0                            | 0        |
|                                 | 1       | 50        | 16.88                 | 16.95                 | 17.05                 | 16.91                 |                              | 0        |
|                                 | 1       | 99        | 17.10                 | 17.21                 | 17.27                 | 17.11                 |                              | 0        |
|                                 | 50      | 0         | 16.98                 | 16.97                 | 17.15                 | 16.98                 | 0-1                          | 0        |
|                                 | 50      | 25        | 16.80                 | 16.95                 | 17.06                 | 16.93                 |                              | 0        |
|                                 | 50      | 50        | 16.82                 | 17.00                 | 17.12                 | 16.90                 |                              | 0        |
|                                 | 100     | 0         | 16.88                 | 17.04                 | 17.14                 | 17.01                 |                              | 0        |
| 16QAM                           | 1       | 0         | 17.23                 | 17.06                 | 17.35                 | 17.19                 | 0-1                          | 0        |
|                                 | 1       | 50        | 17.18                 | 16.97                 | 17.03                 | 16.89                 |                              | 0        |
|                                 | 1       | 99        | 17.32                 | 17.22                 | 17.30                 | 17.07                 |                              | 0        |
|                                 | 50      | 0         | 16.80                 | 16.93                 | 17.07                 | 16.92                 | 0-2                          | 0        |
|                                 | 50      | 25        | 16.75                 | 16.93                 | 17.02                 | 16.86                 |                              | 0        |
|                                 | 50      | 50        | 16.83                 | 16.96                 | 17.04                 | 16.83                 |                              | 0        |
|                                 | 100     | 0         | 16.86                 | 17.02                 | 17.12                 | 16.92                 |                              | 0        |
| 64QAM                           | 1       | 0         | 16.80                 | 16.95                 | 17.30                 | 17.04                 | 0-2                          | 0        |
|                                 | 1       | 50        | 16.57                 | 16.95                 | 17.10                 | 16.88                 |                              | 0        |
|                                 | 1       | 99        | 16.87                 | 17.12                 | 17.21                 | 16.94                 |                              | 0        |
|                                 | 50      | 0         | 16.53                 | 16.67                 | 16.81                 | 16.64                 | 0-3                          | 0        |
|                                 | 50      | 25        | 16.47                 | 16.64                 | 16.73                 | 16.55                 |                              | 0        |
|                                 | 50      | 50        | 16.52                 | 16.70                 | 16.80                 | 16.56                 |                              | 0        |
|                                 | 100     | 0         | 16.60                 | 16.75                 | 16.84                 | 16.66                 |                              | 0        |

**Table 8-314**  
**LTE Band 48 Conducted Powers Ant 3 - 15 MHz Bandwidth**

| LTE Band 48<br>15 MHz Bandwidth |         |           |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 55315<br>(3557.5 MHz) | 55765<br>(3602.5 MHz) | 56215<br>(3647.5 MHz) | 56665<br>(3692.5 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 16.96                 | 17.05                 | 17.27                 | 17.19                 | 0                            | 0        |
|                                 | 1       | 36        | 16.83                 | 16.90                 | 17.00                 | 16.93                 |                              | 0        |
|                                 | 1       | 74        | 17.05                 | 17.16                 | 17.22                 | 17.13                 |                              | 0        |
|                                 | 36      | 0         | 16.79                 | 16.92                 | 17.10                 | 17.00                 | 0-1                          | 0        |
|                                 | 36      | 18        | 16.75                 | 16.90                 | 17.01                 | 16.95                 |                              | 0        |
|                                 | 36      | 37        | 16.77                 | 16.95                 | 17.07                 | 16.92                 |                              | 0        |
|                                 | 75      | 0         | 16.83                 | 16.99                 | 17.09                 | 17.03                 |                              | 0        |
| 16QAM                           | 1       | 0         | 17.18                 | 17.01                 | 17.30                 | 17.21                 | 0-1                          | 0        |
|                                 | 1       | 36        | 17.13                 | 16.92                 | 16.98                 | 16.91                 |                              | 0        |
|                                 | 1       | 74        | 17.27                 | 17.17                 | 17.25                 | 17.09                 |                              | 0        |
|                                 | 36      | 0         | 16.75                 | 16.88                 | 17.02                 | 16.94                 | 0-2                          | 0        |
|                                 | 36      | 18        | 16.70                 | 16.88                 | 16.97                 | 16.88                 |                              | 0        |
|                                 | 36      | 37        | 16.81                 | 16.94                 | 17.00                 | 16.85                 |                              | 0        |
|                                 | 75      | 0         | 16.84                 | 17.19                 | 17.27                 | 16.94                 |                              | 0        |
| 64QAM                           | 1       | 0         | 16.78                 | 16.90                 | 17.04                 | 17.06                 | 0-2                          | 0        |
|                                 | 1       | 36        | 16.55                 | 16.90                 | 16.99                 | 16.90                 |                              | 0        |
|                                 | 1       | 74        | 16.85                 | 16.93                 | 17.01                 | 16.96                 |                              | 0        |
|                                 | 36      | 0         | 16.51                 | 16.99                 | 17.09                 | 16.66                 | 0-3                          | 0        |
|                                 | 36      | 18        | 16.45                 | 16.92                 | 17.10                 | 16.57                 |                              | 0        |
|                                 | 36      | 37        | 16.50                 | 16.92                 | 17.07                 | 16.58                 |                              | 0        |
|                                 | 75      | 0         | 16.58                 | 17.09                 | 17.18                 | 16.68                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 201 of 284                 |

**Table 8-315**  
**LTE Band 48 Conducted Powers Ant 3 - 10 MHz Bandwidth**

| LTE Band 48<br>10 MHz Bandwidth |         |           |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 55290<br>(3555.0 MHz) | 55757<br>(3601.7 MHz) | 56223<br>(3648.3 MHz) | 56690<br>(3695.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 16.93                 | 17.02                 | 17.24                 | 17.16                 | 0                            | 0        |
|                                 | 1       | 25        | 16.80                 | 16.87                 | 16.97                 | 16.90                 |                              | 0        |
|                                 | 1       | 49        | 17.02                 | 17.13                 | 17.19                 | 17.10                 |                              | 0        |
|                                 | 25      | 0         | 16.76                 | 16.89                 | 17.07                 | 16.97                 | 0-1                          | 0        |
|                                 | 25      | 12        | 16.72                 | 16.87                 | 16.98                 | 16.92                 |                              | 0        |
|                                 | 25      | 25        | 16.74                 | 16.92                 | 17.04                 | 16.89                 |                              | 0        |
|                                 | 50      | 0         | 16.80                 | 16.96                 | 17.06                 | 17.00                 |                              | 0        |
| 16QAM                           | 1       | 0         | 17.15                 | 16.98                 | 17.27                 | 17.18                 | 0-1                          | 0        |
|                                 | 1       | 25        | 17.10                 | 16.89                 | 16.95                 | 16.88                 |                              | 0        |
|                                 | 1       | 49        | 17.24                 | 17.14                 | 17.22                 | 17.06                 |                              | 0        |
|                                 | 25      | 0         | 16.72                 | 16.85                 | 16.99                 | 16.91                 | 0-2                          | 0        |
|                                 | 25      | 12        | 16.67                 | 16.85                 | 16.94                 | 16.85                 |                              | 0        |
|                                 | 25      | 25        | 16.78                 | 16.91                 | 16.97                 | 16.82                 |                              | 0        |
|                                 | 50      | 0         | 16.81                 | 17.16                 | 17.24                 | 16.91                 |                              | 0        |
| 64QAM                           | 1       | 0         | 16.75                 | 16.87                 | 17.01                 | 17.03                 | 0-2                          | 0        |
|                                 | 1       | 25        | 16.52                 | 16.87                 | 16.96                 | 16.87                 |                              | 0        |
|                                 | 1       | 49        | 16.82                 | 16.90                 | 16.98                 | 16.93                 |                              | 0        |
|                                 | 25      | 0         | 16.48                 | 16.96                 | 17.06                 | 16.63                 | 0-3                          | 0        |
|                                 | 25      | 12        | 16.42                 | 16.89                 | 17.12                 | 16.54                 |                              | 0        |
|                                 | 25      | 25        | 16.47                 | 16.89                 | 17.04                 | 16.55                 |                              | 0        |
|                                 | 50      | 0         | 16.55                 | 17.06                 | 17.15                 | 16.65                 |                              | 0        |

**Table 8-316**  
**LTE Band 48 Conducted Powers Ant 3 - 5 MHz Bandwidth**

| LTE Band 48<br>5 MHz Bandwidth |         |           |                       |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 55265<br>(3552.5 MHz) | 55748<br>(3600.8 MHz) | 56232<br>(3649.2 MHz) | 56715<br>(3697.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 17.00                 | 17.09                 | 17.31                 | 17.23                 | 0                            | 0        |
|                                | 1       | 12        | 16.87                 | 16.94                 | 17.04                 | 16.97                 |                              | 0        |
|                                | 1       | 24        | 17.09                 | 17.20                 | 17.26                 | 17.17                 |                              | 0        |
|                                | 12      | 0         | 16.83                 | 16.96                 | 17.14                 | 17.04                 | 0-1                          | 0        |
|                                | 12      | 6         | 16.79                 | 16.94                 | 17.05                 | 16.99                 |                              | 0        |
|                                | 12      | 13        | 16.81                 | 16.99                 | 17.11                 | 16.96                 |                              | 0        |
|                                | 25      | 0         | 16.87                 | 17.03                 | 17.13                 | 17.07                 |                              | 0        |
| 16QAM                          | 1       | 0         | 17.22                 | 17.05                 | 17.34                 | 17.25                 | 0-1                          | 0        |
|                                | 1       | 12        | 17.17                 | 16.96                 | 17.02                 | 16.95                 |                              | 0        |
|                                | 1       | 24        | 17.31                 | 17.21                 | 17.29                 | 17.13                 |                              | 0        |
|                                | 12      | 0         | 16.79                 | 16.92                 | 17.06                 | 16.98                 | 0-2                          | 0        |
|                                | 12      | 6         | 16.74                 | 16.92                 | 17.01                 | 16.92                 |                              | 0        |
|                                | 12      | 13        | 16.85                 | 16.98                 | 17.04                 | 16.89                 |                              | 0        |
|                                | 25      | 0         | 16.88                 | 17.23                 | 17.31                 | 16.98                 |                              | 0        |
| 64QAM                          | 1       | 0         | 16.82                 | 16.94                 | 17.08                 | 17.10                 | 0-2                          | 0        |
|                                | 1       | 12        | 16.59                 | 16.94                 | 17.03                 | 16.94                 |                              | 0        |
|                                | 1       | 24        | 16.89                 | 16.97                 | 17.05                 | 17.00                 |                              | 0        |
|                                | 12      | 0         | 16.55                 | 17.03                 | 17.13                 | 16.70                 | 0-3                          | 0        |
|                                | 12      | 6         | 16.49                 | 16.96                 | 17.20                 | 16.61                 |                              | 0        |
|                                | 12      | 13        | 16.54                 | 16.96                 | 17.11                 | 16.62                 |                              | 0        |
|                                | 25      | 0         | 16.62                 | 17.13                 | 17.22                 | 16.72                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 202 of 284                 |

**Table 8-317**  
**LTE Band 48 Conducted Powers Ant 2b - 20 MHz Bandwidth**

| LTE Band 48<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 55340<br>(3560.0 MHz) | 55773<br>(3603.3 MHz) | 56207<br>(3646.7 MHz) | 56640<br>(3690.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 14.49                 | 14.60                 | 14.74                 | 14.43                 | 0                            | 0        |
|                                 | 1       | 50        | 14.45                 | 14.50                 | 14.53                 | 14.24                 |                              | 0        |
|                                 | 1       | 99        | 14.56                 | 14.74                 | 14.80                 | 14.23                 |                              | 0        |
|                                 | 50      | 0         | 14.47                 | 14.57                 | 14.60                 | 14.32                 | 0-1                          | 0        |
|                                 | 50      | 25        | 14.47                 | 14.55                 | 14.55                 | 14.25                 |                              | 0        |
|                                 | 50      | 50        | 14.45                 | 14.65                 | 14.63                 | 14.23                 |                              | 0        |
|                                 | 100     | 0         | 14.55                 | 14.51                 | 14.62                 | 14.31                 |                              | 0        |
| 16QAM                           | 1       | 0         | 14.38                 | 14.57                 | 14.48                 | 14.16                 | 0-1                          | 0        |
|                                 | 1       | 50        | 14.33                 | 14.43                 | 14.33                 | 14.00                 |                              | 0        |
|                                 | 1       | 99        | 14.50                 | 14.58                 | 14.57                 | 14.04                 |                              | 0        |
|                                 | 50      | 0         | 14.19                 | 14.15                 | 14.55                 | 14.07                 | 0-2                          | 0        |
|                                 | 50      | 25        | 14.21                 | 14.12                 | 14.28                 | 13.99                 |                              | 0        |
|                                 | 50      | 50        | 14.17                 | 14.18                 | 14.33                 | 13.97                 |                              | 0        |
|                                 | 100     | 0         | 14.32                 | 14.23                 | 14.30                 | 14.09                 |                              | 0        |
| 64QAM                           | 1       | 0         | 14.37                 | 14.52                 | 14.60                 | 14.36                 | 0-2                          | 0        |
|                                 | 1       | 50        | 14.40                 | 14.35                 | 14.46                 | 14.15                 |                              | 0        |
|                                 | 1       | 99        | 14.47                 | 14.66                 | 14.57                 | 14.16                 |                              | 0        |
|                                 | 50      | 0         | 14.20                 | 14.13                 | 14.31                 | 14.04                 | 0-3                          | 0        |
|                                 | 50      | 25        | 14.20                 | 14.10                 | 14.25                 | 13.97                 |                              | 0        |
|                                 | 50      | 50        | 14.19                 | 14.15                 | 14.32                 | 13.95                 |                              | 0        |
|                                 | 100     | 0         | 14.30                 | 14.22                 | 14.34                 | 14.05                 |                              | 0        |

**Table 8-318**  
**LTE Band 48 Conducted Powers Ant 2b - 15 MHz Bandwidth**

| LTE Band 48<br>15 MHz Bandwidth |         |           |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 55315<br>(3557.5 MHz) | 55765<br>(3602.5 MHz) | 56215<br>(3647.5 MHz) | 56665<br>(3692.5 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 14.50                 | 14.47                 | 14.73                 | 14.59                 | 0                            | 0        |
|                                 | 1       | 36        | 14.49                 | 14.33                 | 14.70                 | 14.58                 |                              | 0        |
|                                 | 1       | 74        | 14.55                 | 14.40                 | 14.59                 | 14.41                 |                              | 0        |
|                                 | 36      | 0         | 14.42                 | 14.44                 | 14.51                 | 14.48                 | 0-1                          | 0        |
|                                 | 36      | 18        | 14.51                 | 14.45                 | 14.53                 | 14.51                 |                              | 0        |
|                                 | 36      | 37        | 14.51                 | 14.44                 | 14.51                 | 14.40                 |                              | 0        |
|                                 | 75      | 0         | 14.58                 | 14.49                 | 14.59                 | 14.58                 |                              | 0        |
| 16QAM                           | 1       | 0         | 14.17                 | 14.65                 | 14.39                 | 14.29                 | 0-1                          | 0        |
|                                 | 1       | 36        | 14.30                 | 14.56                 | 14.43                 | 14.25                 |                              | 0        |
|                                 | 1       | 74        | 14.46                 | 14.65                 | 14.39                 | 14.24                 |                              | 0        |
|                                 | 36      | 0         | 14.17                 | 14.16                 | 14.19                 | 14.21                 | 0-2                          | 0        |
|                                 | 36      | 18        | 14.24                 | 14.15                 | 14.19                 | 14.22                 |                              | 0        |
|                                 | 36      | 37        | 14.23                 | 14.15                 | 14.17                 | 14.11                 |                              | 0        |
|                                 | 75      | 0         | 14.29                 | 14.23                 | 14.30                 | 14.30                 |                              | 0        |
| 64QAM                           | 1       | 0         | 14.08                 | 14.33                 | 14.39                 | 14.20                 | 0-2                          | 0        |
|                                 | 1       | 36        | 14.31                 | 14.36                 | 14.31                 | 14.23                 |                              | 0        |
|                                 | 1       | 74        | 14.27                 | 14.56                 | 14.38                 | 14.17                 |                              | 0        |
|                                 | 36      | 0         | 14.18                 | 14.12                 | 14.21                 | 14.23                 | 0-3                          | 0        |
|                                 | 36      | 18        | 14.18                 | 14.13                 | 14.19                 | 14.21                 |                              | 0        |
|                                 | 36      | 37        | 14.19                 | 14.12                 | 14.16                 | 14.17                 |                              | 0        |
|                                 | 75      | 0         | 14.30                 | 14.22                 | 14.30                 | 14.31                 |                              | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 203 of 284                 |

**Table 8-319**  
**LTE Band 48 Conducted Powers Ant 2b - 10 MHz Bandwidth**

| LTE Band 48<br>10 MHz Bandwidth |         |           |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 55290<br>(3555.0 MHz) | 55757<br>(3601.7 MHz) | 56223<br>(3648.3 MHz) | 56690<br>(3695.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 14.60                 | 14.42                 | 14.48                 | 14.42                 | 0                            | 0        |
|                                 | 1       | 25        | 14.38                 | 14.25                 | 14.28                 | 14.40                 |                              | 0        |
|                                 | 1       | 49        | 14.80                 | 14.51                 | 14.53                 | 14.53                 |                              | 0        |
|                                 | 25      | 0         | 14.25                 | 14.38                 | 14.45                 | 14.47                 | 0-1                          | 0        |
|                                 | 25      | 12        | 14.23                 | 14.28                 | 14.34                 | 14.28                 |                              | 0        |
|                                 | 25      | 25        | 14.38                 | 14.36                 | 14.45                 | 14.22                 |                              | 0        |
|                                 | 50      | 0         | 14.37                 | 14.37                 | 14.47                 | 14.37                 |                              | 0        |
| 16QAM                           | 1       | 0         | 14.14                 | 14.57                 | 14.46                 | 14.21                 | 0-1                          | 0        |
|                                 | 1       | 25        | 14.02                 | 14.34                 | 14.24                 | 13.83                 |                              | 0        |
|                                 | 1       | 49        | 14.34                 | 14.53                 | 14.39                 | 14.13                 |                              | 0        |
|                                 | 25      | 0         | 13.96                 | 14.02                 | 14.02                 | 14.10                 | 0-2                          | 0        |
|                                 | 25      | 12        | 13.94                 | 13.96                 | 13.97                 | 13.93                 |                              | 0        |
|                                 | 25      | 25        | 14.09                 | 14.02                 | 14.03                 | 13.96                 |                              | 0        |
|                                 | 50      | 0         | 14.12                 | 14.10                 | 14.20                 | 14.10                 |                              | 0        |
| 64QAM                           | 1       | 0         | 14.06                 | 14.43                 | 14.30                 | 14.32                 | 0-2                          | 0        |
|                                 | 1       | 25        | 13.89                 | 14.23                 | 14.02                 | 13.85                 |                              | 0        |
|                                 | 1       | 49        | 14.28                 | 14.43                 | 14.18                 | 13.90                 |                              | 0        |
|                                 | 25      | 0         | 13.91                 | 14.03                 | 14.05                 | 14.12                 | 0-3                          | 0        |
|                                 | 25      | 12        | 13.91                 | 13.98                 | 14.00                 | 13.90                 |                              | 0        |
|                                 | 25      | 25        | 14.06                 | 14.04                 | 14.04                 | 13.85                 |                              | 0        |
|                                 | 50      | 0         | 14.12                 | 14.12                 | 14.17                 | 14.08                 |                              | 0        |

**Table 8-320**  
**LTE Band 48 Conducted Powers Ant 2b - 5 MHz Bandwidth**

| LTE Band 48<br>5 MHz Bandwidth |         |           |                       |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 55265<br>(3552.5 MHz) | 55748<br>(3600.8 MHz) | 56232<br>(3649.2 MHz) | 56715<br>(3697.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 14.38                 | 14.51                 | 14.62                 | 14.45                 | 0                            | 0        |
|                                | 1       | 12        | 14.20                 | 14.43                 | 14.45                 | 14.22                 |                              | 0        |
|                                | 1       | 24        | 14.42                 | 14.70                 | 14.67                 | 14.32                 |                              | 0        |
|                                | 12      | 0         | 14.34                 | 14.42                 | 14.51                 | 14.46                 | 0-1                          | 0        |
|                                | 12      | 6         | 14.28                 | 14.36                 | 14.39                 | 14.30                 |                              | 0        |
|                                | 12      | 13        | 14.44                 | 14.41                 | 14.49                 | 14.33                 |                              | 0        |
|                                | 25      | 0         | 14.45                 | 14.52                 | 14.61                 | 14.48                 |                              | 0        |
| 16QAM                          | 1       | 0         | 14.22                 | 14.34                 | 14.50                 | 14.25                 | 0-1                          | 0        |
|                                | 1       | 12        | 13.95                 | 14.28                 | 14.56                 | 14.06                 |                              | 0        |
|                                | 1       | 24        | 14.50                 | 14.51                 | 14.76                 | 14.14                 |                              | 0        |
|                                | 12      | 0         | 13.95                 | 14.16                 | 14.26                 | 14.02                 | 0-2                          | 0        |
|                                | 12      | 6         | 14.04                 | 14.14                 | 14.21                 | 13.96                 |                              | 0        |
|                                | 12      | 13        | 14.04                 | 14.13                 | 14.36                 | 13.97                 |                              | 0        |
|                                | 25      | 0         | 14.22                 | 14.35                 | 14.54                 | 14.25                 |                              | 0        |
| 64QAM                          | 1       | 0         | 14.34                 | 14.60                 | 14.57                 | 14.28                 | 0-2                          | 0        |
|                                | 1       | 12        | 14.00                 | 14.19                 | 14.29                 | 14.28                 |                              | 0        |
|                                | 1       | 24        | 14.62                 | 14.40                 | 14.64                 | 14.21                 |                              | 0        |
|                                | 12      | 0         | 13.98                 | 14.19                 | 14.28                 | 14.17                 | 0-3                          | 0        |
|                                | 12      | 6         | 14.05                 | 14.15                 | 14.15                 | 14.00                 |                              | 0        |
|                                | 12      | 13        | 14.08                 | 14.16                 | 14.25                 | 13.95                 |                              | 0        |
|                                | 25      | 0         | 14.29                 | 14.39                 | 14.49                 | 14.24                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 204 of 284                 |

**Table 8-321**  
**LTE Band 48 Conducted Powers Ant 4b - 20 MHz Bandwidth**

| LTE Band 48<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 55340<br>(3560.0 MHz) | 55773<br>(3603.3 MHz) | 56207<br>(3646.7 MHz) | 56640<br>(3690.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 16.17                 | 16.08                 | 16.21                 | 16.02                 | 0                            | 0        |
|                                 | 1       | 50        | 16.11                 | 15.98                 | 16.00                 | 15.78                 |                              | 0        |
|                                 | 1       | 99        | 16.18                 | 16.28                 | 16.26                 | 16.12                 |                              | 0        |
|                                 | 50      | 0         | 16.24                 | 15.88                 | 16.00                 | 15.90                 | 0-1                          | 0        |
|                                 | 50      | 25        | 16.04                 | 15.93                 | 15.96                 | 15.84                 |                              | 0        |
|                                 | 50      | 50        | 15.97                 | 16.03                 | 16.02                 | 15.96                 |                              | 0        |
|                                 | 100     | 0         | 16.07                 | 16.03                 | 16.08                 | 15.94                 |                              | 0        |
| 16QAM                           | 1       | 0         | 15.90                 | 16.13                 | 16.10                 | 15.86                 | 0-1                          | 0        |
|                                 | 1       | 50        | 15.90                 | 15.90                 | 15.77                 | 15.61                 |                              | 0        |
|                                 | 1       | 99        | 16.04                 | 16.30                 | 16.21                 | 16.00                 |                              | 0        |
|                                 | 50      | 0         | 15.75                 | 15.64                 | 15.75                 | 15.61                 | 0-2                          | 0        |
|                                 | 50      | 25        | 15.76                 | 15.67                 | 15.72                 | 15.54                 |                              | 0        |
|                                 | 50      | 50        | 15.70                 | 15.78                 | 15.76                 | 15.65                 |                              | 0        |
|                                 | 100     | 0         | 15.87                 | 15.82                 | 15.83                 | 15.64                 |                              | 0        |
| 64QAM                           | 1       | 0         | 16.09                 | 15.85                 | 16.35                 | 15.84                 | 0-2                          | 0        |
|                                 | 1       | 50        | 15.96                 | 16.00                 | 16.10                 | 15.72                 |                              | 0        |
|                                 | 1       | 99        | 16.04                 | 16.11                 | 16.23                 | 15.91                 |                              | 0        |
|                                 | 50      | 0         | 15.78                 | 15.65                 | 15.76                 | 15.57                 | 0-3                          | 0        |
|                                 | 50      | 25        | 15.78                 | 15.70                 | 15.74                 | 15.52                 |                              | 0        |
|                                 | 50      | 50        | 15.72                 | 15.78                 | 15.78                 | 15.61                 |                              | 0        |
|                                 | 100     | 0         | 15.88                 | 15.82                 | 15.86                 | 15.64                 |                              | 0        |

**Table 8-322**  
**LTE Band 48 Conducted Powers Ant 4b - 15 MHz Bandwidth**

| LTE Band 48<br>15 MHz Bandwidth |         |           |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 55315<br>(3557.5 MHz) | 55765<br>(3602.5 MHz) | 56215<br>(3647.5 MHz) | 56665<br>(3692.5 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 15.78                 | 16.11                 | 16.13                 | 15.96                 | 0                            | 0        |
|                                 | 1       | 36        | 15.76                 | 16.09                 | 16.05                 | 15.87                 |                              | 0        |
|                                 | 1       | 74        | 15.80                 | 16.17                 | 16.12                 | 15.92                 |                              | 0        |
|                                 | 36      | 0         | 15.93                 | 15.90                 | 15.99                 | 15.90                 | 0-1                          | 0        |
|                                 | 36      | 18        | 15.99                 | 15.99                 | 16.00                 | 15.97                 |                              | 0        |
|                                 | 36      | 37        | 16.03                 | 16.01                 | 15.98                 | 15.95                 |                              | 0        |
|                                 | 75      | 0         | 16.04                 | 16.06                 | 16.06                 | 16.03                 |                              | 0        |
| 16QAM                           | 1       | 0         | 15.59                 | 16.07                 | 15.96                 | 15.68                 | 0-1                          | 0        |
|                                 | 1       | 36        | 15.74                 | 16.15                 | 15.86                 | 15.62                 |                              | 0        |
|                                 | 1       | 74        | 15.72                 | 16.19                 | 16.04                 | 15.55                 |                              | 0        |
|                                 | 36      | 0         | 15.65                 | 15.65                 | 15.79                 | 15.59                 | 0-2                          | 0        |
|                                 | 36      | 18        | 15.72                 | 15.72                 | 15.73                 | 15.62                 |                              | 0        |
|                                 | 36      | 37        | 15.79                 | 15.72                 | 15.76                 | 15.60                 |                              | 0        |
|                                 | 75      | 0         | 15.83                 | 15.78                 | 15.87                 | 15.72                 |                              | 0        |
| 64QAM                           | 1       | 0         | 15.77                 | 16.10                 | 15.92                 | 15.60                 | 0-2                          | 0        |
|                                 | 1       | 36        | 15.59                 | 16.01                 | 15.93                 | 15.62                 |                              | 0        |
|                                 | 1       | 74        | 15.81                 | 16.30                 | 15.94                 | 15.59                 |                              | 0        |
|                                 | 36      | 0         | 15.67                 | 15.58                 | 15.72                 | 15.57                 | 0-3                          | 0        |
|                                 | 36      | 18        | 15.74                 | 15.68                 | 15.71                 | 15.64                 |                              | 0        |
|                                 | 36      | 37        | 15.81                 | 15.71                 | 15.68                 | 15.65                 |                              | 0        |
|                                 | 75      | 0         | 15.83                 | 15.80                 | 15.82                 | 15.74                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 205 of 284                 |

**Table 8-323**  
**LTE Band 48 Conducted Powers Ant 4b - 10 MHz Bandwidth**

| LTE Band 48<br>10 MHz Bandwidth |         |           |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 55290<br>(3555.0 MHz) | 55757<br>(3601.7 MHz) | 56223<br>(3648.3 MHz) | 56690<br>(3695.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 16.27                 | 16.13                 | 16.18                 | 16.10                 | 0                            | 0        |
|                                 | 1       | 25        | 16.03                 | 16.06                 | 15.94                 | 15.97                 |                              | 0        |
|                                 | 1       | 49        | 16.00                 | 16.22                 | 16.21                 | 16.25                 |                              | 0        |
|                                 | 25      | 0         | 15.95                 | 16.06                 | 16.15                 | 16.04                 | 0-1                          | 0        |
|                                 | 25      | 12        | 15.91                 | 16.01                 | 16.08                 | 15.98                 |                              | 0        |
|                                 | 25      | 25        | 16.03                 | 16.10                 | 16.16                 | 16.04                 |                              | 0        |
|                                 | 50      | 0         | 16.02                 | 16.13                 | 16.18                 | 16.11                 |                              | 0        |
| 16QAM                           | 1       | 0         | 15.62                 | 16.24                 | 16.23                 | 15.81                 | 0-1                          | 0        |
|                                 | 1       | 25        | 15.40                 | 15.98                 | 16.02                 | 15.50                 |                              | 0        |
|                                 | 1       | 49        | 15.86                 | 16.34                 | 16.11                 | 15.92                 |                              | 0        |
|                                 | 25      | 0         | 15.54                 | 15.73                 | 15.76                 | 15.66                 | 0-2                          | 0        |
|                                 | 25      | 12        | 15.55                 | 15.67                 | 15.68                 | 15.59                 |                              | 0        |
|                                 | 25      | 25        | 15.67                 | 15.76                 | 15.72                 | 15.64                 |                              | 0        |
|                                 | 50      | 0         | 15.73                 | 15.86                 | 15.89                 | 15.76                 |                              | 0        |
| 64QAM                           | 1       | 0         | 15.95                 | 16.13                 | 15.99                 | 15.86                 | 0-2                          | 0        |
|                                 | 1       | 25        | 15.47                 | 16.09                 | 16.00                 | 15.68                 |                              | 0        |
|                                 | 1       | 49        | 16.01                 | 16.37                 | 16.07                 | 15.97                 |                              | 0        |
|                                 | 25      | 0         | 15.51                 | 15.72                 | 15.72                 | 15.70                 | 0-3                          | 0        |
|                                 | 25      | 12        | 15.51                 | 15.69                 | 15.66                 | 15.62                 |                              | 0        |
|                                 | 25      | 25        | 15.66                 | 15.76                 | 15.72                 | 15.67                 |                              | 0        |
|                                 | 50      | 0         | 15.75                 | 15.86                 | 15.86                 | 15.76                 |                              | 0        |

**Table 8-324**  
**LTE Band 48 Conducted Powers Ant 4b - 5 MHz Bandwidth**

| LTE Band 48<br>5 MHz Bandwidth |         |           |                       |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 55265<br>(3552.5 MHz) | 55748<br>(3600.8 MHz) | 56232<br>(3649.2 MHz) | 56715<br>(3697.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 15.85                 | 16.08                 | 16.13                 | 16.04                 | 0                            | 0        |
|                                | 1       | 12        | 15.70                 | 16.00                 | 16.02                 | 15.71                 |                              | 0        |
|                                | 1       | 24        | 15.95                 | 16.30                 | 16.18                 | 15.93                 |                              | 0        |
|                                | 12      | 0         | 15.85                 | 15.96                 | 16.07                 | 15.98                 | 0-1                          | 0        |
|                                | 12      | 6         | 15.76                 | 15.89                 | 15.96                 | 15.86                 |                              | 0        |
|                                | 12      | 13        | 15.88                 | 15.98                 | 16.04                 | 15.95                 |                              | 0        |
|                                | 25      | 0         | 15.92                 | 16.09                 | 16.14                 | 16.05                 |                              | 0        |
| 16QAM                          | 1       | 0         | 15.78                 | 15.72                 | 15.82                 | 15.65                 | 0-1                          | 0        |
|                                | 1       | 12        | 15.41                 | 15.40                 | 15.96                 | 15.41                 |                              | 0        |
|                                | 1       | 24        | 15.77                 | 15.88                 | 15.94                 | 15.46                 |                              | 0        |
|                                | 12      | 0         | 15.40                 | 15.56                 | 15.57                 | 15.40                 | 0-2                          | 0        |
|                                | 12      | 6         | 15.40                 | 15.46                 | 15.60                 | 15.51                 |                              | 0        |
|                                | 12      | 13        | 15.44                 | 15.51                 | 15.77                 | 15.44                 |                              | 0        |
|                                | 25      | 0         | 15.54                 | 15.78                 | 15.84                 | 15.67                 |                              | 0        |
| 64QAM                          | 1       | 0         | 15.69                 | 16.15                 | 15.71                 | 15.76                 | 0-2                          | 0        |
|                                | 1       | 12        | 15.47                 | 15.53                 | 15.89                 | 15.60                 |                              | 0        |
|                                | 1       | 24        | 15.74                 | 15.84                 | 16.00                 | 15.40                 |                              | 0        |
|                                | 12      | 0         | 15.44                 | 15.53                 | 15.77                 | 15.45                 | 0-3                          | 0        |
|                                | 12      | 6         | 15.41                 | 15.49                 | 15.72                 | 15.41                 |                              | 0        |
|                                | 12      | 13        | 15.48                 | 15.48                 | 15.76                 | 15.40                 |                              | 0        |
|                                | 25      | 0         | 15.56                 | 15.77                 | 15.85                 | 15.67                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 206 of 284                        |

### 8.3.14 LTE Uplink Carrier Aggregation Conducted Powers

Table 8-325

LTE Uplink Carrier Aggregation Conducted Powers – Antenna 1

|             | PCC      |                     |                |                        |                |                        |            |            |                  | SCC      |                     |                |                        |                |                        |            |            |                  | Power                                 |                                   |
|-------------|----------|---------------------|----------------|------------------------|----------------|------------------------|------------|------------|------------------|----------|---------------------|----------------|------------------------|----------------|------------------------|------------|------------|------------------|---------------------------------------|-----------------------------------|
| Combination | PCC Band | PCC Bandwidth [MHz] | PCC UL Channel | PCC UL Frequency [MHz] | PCC DL Channel | PCC DL Frequency [MHz] | Modulation | PCC UL# RB | PCC UL RB Offset | SCC Band | SCC Bandwidth [MHz] | SCC UL Channel | SCC UL Frequency [MHz] | SCC DL Channel | SCC DL Frequency [MHz] | Modulation | SCC UL# RB | SCC UL RB Offset | LTE Tx Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |
| CA_5B       | LTE B5   | 10                  | 20525          | 836.5                  | 2525           | 881.5                  | QPSK       | 50         | 0                | LTE B5   | 5                   | 20453          | 829.3                  | 2453           | 874.3                  | QPSK       | 25         | 0                | 20.45                                 | 20.60                             |

Table 8-326

LTE Uplink Carrier Aggregation Conducted Powers – Antenna 3

| Combination | PCC Band | PCC Bandwidth [MHz] | PCC UL Channel | PCC                    |                |                        |            |            |                  | SCC      |                     |                |                        |                |                        |            | Power      |                  |                                       |                                   |
|-------------|----------|---------------------|----------------|------------------------|----------------|------------------------|------------|------------|------------------|----------|---------------------|----------------|------------------------|----------------|------------------------|------------|------------|------------------|---------------------------------------|-----------------------------------|
|             |          |                     |                | PCC UL Frequency [MHz] | PCC DL Channel | PCC DL Frequency [MHz] | Modulation | PCC UL# RB | PCC UL RB Offset | SCC Band | SCC Bandwidth [MHz] | SCC UL Channel | SCC UL Frequency [MHz] | SCC DL Channel | SCC DL Frequency [MHz] | Modulation | SCC UL# RB | SCC UL RB Offset | LTE Tx Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |
|             |          |                     |                |                        |                |                        |            |            |                  |          |                     |                |                        |                |                        |            |            |                  |                                       |                                   |
| CA_5B       | LTE B5   | 10                  | 20525          | 836.5                  | 2525           | 881.5                  | QPSK       | 50         | 0                | LTE B5   | 5                   | 20453          | 829.3                  | 2453           | 874.3                  | QPSK       | 25         | 0                | 21.00                                 | 20.83                             |

Table 8-327

LTE Uplink Carrier Aggregation Conducted Powers – Antenna 2a

|             | PCC         |                     |                     |                             |                |                        |                  |             |                     |                     | SCC                         |                |                        |                  |                                       |                                   |            |                  |                                       |                                   | Power |  |
|-------------|-------------|---------------------|---------------------|-----------------------------|----------------|------------------------|------------------|-------------|---------------------|---------------------|-----------------------------|----------------|------------------------|------------------|---------------------------------------|-----------------------------------|------------|------------------|---------------------------------------|-----------------------------------|-------|--|
| Combination | PCC Band    | PCC Bandwidth [MHz] | PCC UL Channel      | PCC UL Frequency [MHz]      | PCC DL Channel | PCC DL Frequency [MHz] | Modulation       | PCC UL# RB  | PCC UL RB Offset    | SCC Band            | SCC Bandwidth [MHz]         | SCC UL Channel | SCC UL Frequency [MHz] | SCC DL Channel   | SCC DL Frequency [MHz]                | Modulation                        | SCC UL# RB | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |       |  |
| CA_7C       | LTE B7      | 20                  | 21100               | 2535.0                      | 3100           | 2655.0                 | QPSK             | 50          | 0                   | LTE B7              | 20                          | 20902          | 2515.2                 | 2902             | 2635.2                                | QPSK                              | 50         | 50               | 13.70                                 | 13.82                             |       |  |
|             | PCC         |                     |                     |                             |                |                        |                  |             |                     |                     | SCC                         |                |                        |                  |                                       |                                   |            |                  |                                       |                                   | Power |  |
| Combination | PCC Band    | PCC Bandwidth [MHz] | PCC (UL/DL) Channel | PCC (UL/DL) Frequency [MHz] | Modulation     | PCC UL# RB             | PCC UL RB Offset | SCC Band    | SCC Bandwidth [MHz] | SCC (UL/DL) Channel | SCC (UL/DL) Frequency [MHz] | Modulation     | SCC UL# RB             | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |            |                  |                                       |                                   |       |  |
| CA_41C      | LTE B41     | 20                  | 40185               | 2549.5                      | QPSK           | 1                      | 0                | LTE B41     | 20                  | 39987               | 2529.7                      | QPSK           | 1                      | 99               | 15.58                                 | 16.30                             |            |                  |                                       |                                   |       |  |
|             | PCC         |                     |                     |                             |                |                        |                  |             |                     |                     | SCC                         |                |                        |                  |                                       |                                   |            |                  |                                       |                                   | Power |  |
| Combination | PCC Band    | PCC Bandwidth [MHz] | PCC (UL/DL) Channel | PCC (UL/DL) Frequency [MHz] | Modulation     | PCC UL# RB             | PCC UL RB Offset | SCC Band    | SCC Bandwidth [MHz] | SCC (UL/DL) Channel | SCC (UL/DL) Frequency [MHz] | Modulation     | SCC UL# RB             | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |            |                  |                                       |                                   |       |  |
| CA_41C      | LTE B41 PC2 | 20                  | 40185               | 2549.5                      | QPSK           | 1                      | 0                | LTE B41 PC2 | 20                  | 39987               | 2529.7                      | QPSK           | 1                      | 99               | 15.77                                 | 16.04                             |            |                  |                                       |                                   |       |  |

Table 8-328

LTE Uplink Carrier Aggregation Conducted Powers – Antenna 2b

| PCC         |             |                     |                     |                             |                |                        |                  |             |                     |                     | SCC                         |                |                        |                  |                                       |                                   |            | Power            |                                       |                                   |
|-------------|-------------|---------------------|---------------------|-----------------------------|----------------|------------------------|------------------|-------------|---------------------|---------------------|-----------------------------|----------------|------------------------|------------------|---------------------------------------|-----------------------------------|------------|------------------|---------------------------------------|-----------------------------------|
| Combination | PCC Band    | PCC Bandwidth [MHz] | PCC UL Channel      | PCC UL Frequency [MHz]      | PCC DL Channel | PCC DL Frequency [MHz] | Modulation       | PCC UL# RB  | PCC UL RB Offset    | SCC Band            | SCC Bandwidth [MHz]         | SCC UL Channel | SCC UL Frequency [MHz] | SCC DL Channel   | SCC DL Frequency [MHz]                | Modulation                        | SCC UL# RB | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |
| CA_7C       | LTE B7      | 20                  | 21350               | 2560.0                      | 3350           | 2680.0                 | QPSK             | 50          | 0                   | LTE B7              | 20                          | 21152          | 2540.2                 | 3152             | 2660.2                                | QPSK                              | 50         | 0                | 11.14                                 | 11.23                             |
| PCC         |             |                     |                     |                             |                |                        |                  |             |                     |                     | SCC                         |                |                        |                  |                                       |                                   |            | Power            |                                       |                                   |
| Combination | PCC Band    | PCC Bandwidth [MHz] | PCC (UL/DL) Channel | PCC (UL/DL) Frequency [MHz] | Modulation     | PCC UL# RB             | PCC UL RB Offset | SCC Band    | SCC Bandwidth [MHz] | SCC (UL/DL) Channel | SCC (UL/DL) Frequency [MHz] | Modulation     | SCC UL# RB             | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |            |                  |                                       |                                   |
| CA_41C      | LTE B41     | 20                  | 40185               | 2549.5                      | QPSK           | 50                     | 50               | LTE B41     | 20                  | 40383               | 2569.3                      | QPSK           | 50                     | 0                | 12.10                                 | 12.83                             |            |                  |                                       |                                   |
| PCC         |             |                     |                     |                             |                |                        |                  |             |                     |                     | SCC                         |                |                        |                  |                                       |                                   |            | Power            |                                       |                                   |
| Combination | PCC Band    | PCC Bandwidth [MHz] | PCC (UL/DL) Channel | PCC (UL/DL) Frequency [MHz] | Modulation     | PCC UL# RB             | PCC UL RB Offset | SCC Band    | SCC Bandwidth [MHz] | SCC (UL/DL) Channel | SCC (UL/DL) Frequency [MHz] | Modulation     | SCC UL# RB             | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |            |                  |                                       |                                   |
| CA_41C      | LTE B41 PC2 | 20                  | 40185               | 2549.5                      | QPSK           | 50                     | 50               | LTE B41 PC2 | 20                  | 40383               | 2569.3                      | QPSK           | 50                     | 0                | 12.26                                 | 12.89                             |            |                  |                                       |                                   |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 207 of 284                 |

**Table 8-329**  
**LTE Uplink Carrier Aggregation Conducted Powers – Antenna 4a**

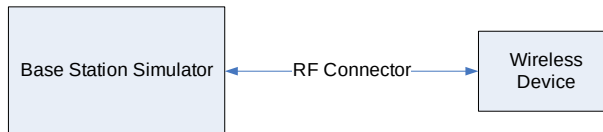
|             | PCC         |                     |                     |                             |                |                        |                  |             |                     |                     | SCC                         |                |                        |                  |                                       |                                   |            |               |                                       |                                   | Power |  |
|-------------|-------------|---------------------|---------------------|-----------------------------|----------------|------------------------|------------------|-------------|---------------------|---------------------|-----------------------------|----------------|------------------------|------------------|---------------------------------------|-----------------------------------|------------|---------------|---------------------------------------|-----------------------------------|-------|--|
| Combination | PCC Band    | PCC Bandwidth [MHz] | PCC UL Channel      | PCC UL Frequency [MHz]      | PCC DL Channel | PCC DL Frequency [MHz] | Modulation       | PCC UL# RB  | PCC UL Offset       | SCC Band            | SCC Bandwidth [MHz]         | SCC UL Channel | SCC UL Frequency [MHz] | SCC DL Channel   | SCC DL Frequency [MHz]                | Modulation                        | SCC UL# RB | SCC UL Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |       |  |
| CA_7C       | LTE B7      | 20                  | 20850               | 2510.0                      | 2850           | 2630.0                 | QPSK             | 50          | 50                  | LTE B7              | 20                          | 21048          | 2529.8                 | 3048             | 2649.8                                | QPSK                              | 50         | 0             | 14.42                                 | 14.53                             |       |  |
|             | PCC         |                     |                     |                             |                |                        |                  |             |                     |                     | SCC                         |                |                        |                  |                                       |                                   |            |               |                                       |                                   | Power |  |
| Combination | PCC Band    | PCC Bandwidth [MHz] | PCC (UL/DL) Channel | PCC (UL/DL) Frequency [MHz] | Modulation     | PCC UL# RB             | PCC UL RB Offset | SCC Band    | SCC Bandwidth [MHz] | SCC (UL/DL) Channel | SCC (UL/DL) Frequency [MHz] | Modulation     | SCC UL# RB             | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |            |               |                                       |                                   |       |  |
| CA_41C      | LTE B41     | 20                  | 40185               | 2549.5                      | QPSK           | 50                     | 0                | LTE B41     | 20                  | 39987               | 2529.7                      | QPSK           | 50                     | 50               | 16.48                                 | 16.76                             |            |               |                                       |                                   |       |  |
|             | PCC         |                     |                     |                             |                |                        |                  |             |                     |                     | SCC                         |                |                        |                  |                                       |                                   |            |               |                                       |                                   | Power |  |
| Combination | PCC Band    | PCC Bandwidth [MHz] | PCC (UL/DL) Channel | PCC (UL/DL) Frequency [MHz] | Modulation     | PCC UL# RB             | PCC UL RB Offset | SCC Band    | SCC Bandwidth [MHz] | SCC (UL/DL) Channel | SCC (UL/DL) Frequency [MHz] | Modulation     | SCC UL# RB             | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |            |               |                                       |                                   |       |  |
| CA_41C      | LTE B41 PC2 | 20                  | 40185               | 2549.5                      | QPSK           | 50                     | 0                | LTE B41 PC2 | 20                  | 39987               | 2529.7                      | QPSK           | 50                     | 50               | 16.70                                 | 16.58                             |            |               |                                       |                                   |       |  |

**Table 8-330**  
**LTE Uplink Carrier Aggregation Conducted Powers – Antenna 4b**

|             | PCC         |                     |                     |                             |                |                        |                  |             |                     |                     | SCC                         |                |                        |                  |                                       |                                   |            |                  | Power                                 |                                   |
|-------------|-------------|---------------------|---------------------|-----------------------------|----------------|------------------------|------------------|-------------|---------------------|---------------------|-----------------------------|----------------|------------------------|------------------|---------------------------------------|-----------------------------------|------------|------------------|---------------------------------------|-----------------------------------|
| Combination | PCC Band    | PCC Bandwidth [MHz] | PCC UL Channel      | PCC UL Frequency [MHz]      | PCC DL Channel | PCC DL Frequency [MHz] | Modulation       | PCC UL# RB  | PCC UL RB Offset    | SCC Band            | SCC Bandwidth [MHz]         | SCC UL Channel | SCC UL Frequency [MHz] | SCC DL Channel   | SCC DL Frequency [MHz]                | Modulation                        | SCC UL# RB | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |
| CA_7C       | LTE B7      | 20                  | 21100               | 2535.0                      | 3100           | 2655.0                 | QPSK             | 50          | 50                  | LTE B7              | 20                          | 21298          | 2554.8                 | 3298             | 2674.8                                | QPSK                              | 50         | 0                | 12.10                                 | 12.13                             |
|             | PCC         |                     |                     |                             |                |                        |                  |             |                     | SCC                 |                             |                |                        |                  |                                       |                                   | Power      |                  |                                       |                                   |
| Combination | PCC Band    | PCC Bandwidth [MHz] | PCC (UL/DL) Channel | PCC (UL/DL) Frequency [MHz] | Modulation     | PCC UL# RB             | PCC UL RB Offset | SCC Band    | SCC Bandwidth [MHz] | SCC (UL/DL) Channel | SCC (UL/DL) Frequency [MHz] | Modulation     | SCC UL# RB             | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |            |                  |                                       |                                   |
| CA_41C      | LTE B41     | 20                  | 41490               | 2680.0                      | QPSK           | 1                      | 0                | LTE B41     | 20                  | 41292               | 2660.2                      | QPSK           | 1                      | 99               | 13.75                                 | 14.31                             |            |                  |                                       |                                   |
|             | PCC         |                     |                     |                             |                |                        |                  |             |                     |                     | SCC                         |                |                        |                  |                                       |                                   |            | Power            |                                       |                                   |
| Combination | PCC Band    | PCC Bandwidth [MHz] | PCC (UL/DL) Channel | PCC (UL/DL) Frequency [MHz] | Modulation     | PCC UL# RB             | PCC UL RB Offset | SCC Band    | SCC Bandwidth [MHz] | SCC (UL/DL) Channel | SCC (UL/DL) Frequency [MHz] | Modulation     | SCC UL# RB             | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |            |                  |                                       |                                   |
| CA_41C      | LTE B41 PC2 | 20                  | 41490               | 2680.0                      | QPSK           | 1                      | 0                | LTE B41 PC2 | 20                  | 41292               | 2660.2                      | QPSK           | 1                      | 99               | 14.22                                 | 14.65                             |            |                  |                                       |                                   |

**Notes:**

1. This device supports uplink carrier aggregation for LTE CA\_7C, LTE CA\_5B and LTE CA\_41C with a maximum of two component carriers. For intraband contiguous carrier aggregation scenarios, 3GPP 36.101 Table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when non-contiguous RB allocation is implemented. The conducted powers and MPR settings in this device are permanently implemented per the above 3GPP requirements.
2. Per FCC Guidance, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.



**Figure 8-3**  
**Power Measurement Setup**

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 208 of 284                 |

## 8.4 WLAN Maximum Conducted Powers

### 8.4.1 Variant 1

**Table 8-331**  
**2.4 GHz WLAN Maximum Average RF Power – Ant 2A**

| 2.4GHz Conducted Power [dBm] |         |                        |         |         |
|------------------------------|---------|------------------------|---------|---------|
| Freq [MHz]                   | Channel | IEEE Transmission Mode |         |         |
|                              |         | 802.11b                | 802.11g | 802.11n |
|                              |         | Average                | Average | Average |
| 2412                         | 1       | 13.06                  | 13.98   | 14.00   |
| 2437                         | 6       | 13.01                  | 14.00   | 13.95   |
| 2462                         | 11      | 13.20                  | 13.99   | 13.96   |

**Table 8-332**  
**2.4 GHz WLAN Maximum Average RF Power – Ant 4A**

| 2.4GHz Conducted Power [dBm] |         |                        |         |         |
|------------------------------|---------|------------------------|---------|---------|
| Freq [MHz]                   | Channel | IEEE Transmission Mode |         |         |
|                              |         | 802.11b                | 802.11g | 802.11n |
|                              |         | Average                | Average | Average |
| 2412                         | 1       | 12.78                  | 13.70   | 13.75   |
| 2437                         | 6       | 12.76                  | 13.74   | 13.74   |
| 2462                         | 11      | 12.79                  | 13.73   | 13.67   |

**Table 8-333**  
**5 GHz WLAN Maximum Average RF Power – 5GHz ANTlower**

| 5GHz (40MHz) Conducted Power [dBm] |         |                        |          | 5GHz (80MHz) Conducted Power [dBm] |         |                        |
|------------------------------------|---------|------------------------|----------|------------------------------------|---------|------------------------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |          | Freq [MHz]                         | Channel | IEEE Transmission Mode |
|                                    |         | 802.11n                | 802.11ac |                                    |         | 802.11ac               |
|                                    |         | Average                | Average  |                                    |         | Average                |
| 5190                               | 38      | 12.66                  | 12.16    | 5530                               | 106     | 11.03                  |
| 5230                               | 46      | 16.20                  | 16.21    | 5610                               | 122     | 14.54                  |
| 5270                               | 54      | 15.80                  | 15.79    | 5690                               | 138     | 14.50                  |
| 5310                               | 62      | 13.66                  | 12.41    | 5775                               | 155     | 14.54                  |

**Table 8-334**  
**5 GHz WLAN Maximum Average RF Power – 5GHz ANTupper**

| 5GHz (40MHz) Conducted Power [dBm] |         |                        |          | 5GHz (80MHz) Conducted Power [dBm] |         |                        |
|------------------------------------|---------|------------------------|----------|------------------------------------|---------|------------------------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |          | Freq [MHz]                         | Channel | IEEE Transmission Mode |
|                                    |         | 802.11n                | 802.11ac |                                    |         | 802.11ac               |
|                                    |         | Average                | Average  |                                    |         | Average                |
| 5190                               | 38      | 12.60                  | 12.10    | 5530                               | 106     | 11.18                  |
| 5230                               | 46      | 16.00                  | 16.01    | 5610                               | 122     | 14.51                  |
| 5270                               | 54      | 15.75                  | 15.75    | 5690                               | 138     | 14.50                  |
| 5310                               | 62      | 13.58                  | 12.33    | 5775                               | 155     | 14.79                  |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 209 of 284                 |

## 8.4.2 Variant 2

**Table 8-335**  
**2.4 GHz WLAN Maximum Average RF Power – Ant 2A**

| 2.4GHz Conducted Power [dBm] |         |                        |         |         |
|------------------------------|---------|------------------------|---------|---------|
| Freq [MHz]                   | Channel | IEEE Transmission Mode |         |         |
|                              |         | 802.11b                | 802.11g | 802.11n |
|                              |         | Average                | Average | Average |
| 2412                         | 1       | 13.04                  | 13.08   | 13.05   |
| 2437                         | 6       | 13.07                  | 13.10   | 13.05   |
| 2462                         | 11      | 13.01                  | 13.02   | 13.04   |

**Table 8-336**  
**2.4 GHz WLAN Maximum Average RF Power – Ant 4A**

| 2.4GHz Conducted Power [dBm] |         |                        |         |         |
|------------------------------|---------|------------------------|---------|---------|
| Freq [MHz]                   | Channel | IEEE Transmission Mode |         |         |
|                              |         | 802.11b                | 802.11g | 802.11n |
|                              |         | Average                | Average | Average |
| 2412                         | 1       | 12.87                  | 12.91   | 12.84   |
| 2437                         | 6       | 12.82                  | 12.84   | 12.80   |
| 2462                         | 11      | 12.95                  | 12.93   | 12.96   |

**Table 8-337**  
**5 GHz WLAN Maximum Average RF Power – 5GHz ANTlower**

| 5GHz (40MHz) Conducted Power [dBm] |         |                        |          | 5GHz (80MHz) Conducted Power [dBm] |         |                        |
|------------------------------------|---------|------------------------|----------|------------------------------------|---------|------------------------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |          | Freq [MHz]                         | Channel | IEEE Transmission Mode |
|                                    |         | 802.11n                | 802.11ac |                                    |         | 802.11ac               |
|                                    |         | Average                | Average  |                                    |         | Average                |
| 5190                               | 38      | 12.50                  | 12.26    | 5530                               | 106     | 11.12                  |
| 5230                               | 46      | 16.09                  | 16.11    | 5610                               | 122     | 14.57                  |
| 5270                               | 54      | 15.78                  | 15.83    | 5690                               | 138     | 14.51                  |
| 5310                               | 62      | 13.62                  | 12.37    | 5775                               | 155     | 14.50                  |

**Table 8-338**  
**5 GHz WLAN Maximum Average RF Power – 5GHz ANTupper**

| 5GHz (40MHz) Conducted Power [dBm] |         |                        |          | 5GHz (80MHz) Conducted Power [dBm] |         |                        |
|------------------------------------|---------|------------------------|----------|------------------------------------|---------|------------------------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |          | Freq [MHz]                         | Channel | IEEE Transmission Mode |
|                                    |         | 802.11n                | 802.11ac |                                    |         | 802.11ac               |
|                                    |         | Average                | Average  |                                    |         | Average                |
| 5190                               | 38      | 12.55                  | 12.20    | 5530                               | 106     | 11.06                  |
| 5230                               | 46      | 16.20                  | 16.30    | 5610                               | 122     | 14.64                  |
| 5270                               | 54      | 15.70                  | 15.79    | 5690                               | 138     | 14.57                  |
| 5310                               | 62      | 13.64                  | 12.39    | 5775                               | 155     | 14.93                  |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 210 of 284                 |

## 8.5 WLAN Reduced Conducted Powers

### 8.5.1 Variant 1

Table 8-339  
2.4 GHz WLAN Reduced Average RF Power – Ant 2A

| 2.4GHz Conducted Power [dBm] |         |                        |         |         |
|------------------------------|---------|------------------------|---------|---------|
| Freq [MHz]                   | Channel | IEEE Transmission Mode |         |         |
|                              |         | 802.11b                | 802.11g | 802.11n |
|                              |         | Average                | Average | Average |
| 2412                         | 1       | 6.07                   | 6.02    | 6.10    |
| 2437                         | 6       | 6.05                   | 6.04    | 6.06    |
| 2462                         | 11      | 6.03                   | 6.06    | 6.07    |

Table 8-340  
2.4 GHz WLAN Reduced Average RF Power – Ant 4A

| 2.4GHz Conducted Power [dBm] |         |                        |         |         |
|------------------------------|---------|------------------------|---------|---------|
| Freq [MHz]                   | Channel | IEEE Transmission Mode |         |         |
|                              |         | 802.11b                | 802.11g | 802.11n |
|                              |         | Average                | Average | Average |
| 2412                         | 1       | 5.94                   | 6.00    | 5.96    |
| 2437                         | 6       | 5.87                   | 5.91    | 5.84    |
| 2462                         | 11      | 5.80                   | 5.81    | 5.79    |

Table 8-341  
5 GHz WLAN Reduced Average RF Power – 5GHz ANTlower

| 5GHz (80MHz) Conducted Power [dBm] |         |                        |
|------------------------------------|---------|------------------------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |
|                                    |         | 802.11ac               |
|                                    |         | Average                |
| 5210                               | 42      | 12.06                  |
| 5290                               | 58      | 11.92                  |
| 5530                               | 106     | 10.75                  |
| 5610                               | 122     | 10.69                  |
| 5690                               | 138     | 10.71                  |
| 5775                               | 155     | 10.80                  |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 211 of 284                 |

**Table 8-342**  
**5 GHz WLAN Reduced Average RF Power – 5GHz ANTupper**

| 5GHz (80MHz) Conducted Power [dBm] |         |                        |
|------------------------------------|---------|------------------------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |
|                                    |         | 802.11ac               |
|                                    |         | Average                |
| 5210                               | 42      | 11.14                  |
| 5290                               | 58      | 10.85                  |
| 5530                               | 106     | 9.52                   |
| 5610                               | 122     | 9.68                   |
| 5690                               | 138     | 9.61                   |
| 5775                               | 155     | 9.86                   |

## 8.5.2 Variant 2

**Table 8-343**  
**2.4 GHz WLAN Reduced Average RF Power – Ant 2A**

| 2.4GHz Conducted Power [dBm] |         |                        |         |         |
|------------------------------|---------|------------------------|---------|---------|
| Freq [MHz]                   | Channel | IEEE Transmission Mode |         |         |
|                              |         | 802.11b                | 802.11g | 802.11n |
|                              |         | Average                | Average | Average |
| 2412                         | 1       | 6.14                   | 6.18    | 6.20    |
| 2437                         | 6       | 6.09                   | 6.11    | 6.05    |
| 2462                         | 11      | 6.18                   | 6.12    | 6.11    |

**Table 8-344**  
**2.4 GHz WLAN Reduced Average RF Power – Ant 4A**

| 2.4GHz Conducted Power [dBm] |         |                        |         |         |
|------------------------------|---------|------------------------|---------|---------|
| Freq [MHz]                   | Channel | IEEE Transmission Mode |         |         |
|                              |         | 802.11b                | 802.11g | 802.11n |
|                              |         | Average                | Average | Average |
| 2412                         | 1       | 5.90                   | 5.92    | 5.89    |
| 2437                         | 6       | 5.82                   | 5.85    | 5.84    |
| 2462                         | 11      | 5.79                   | 5.84    | 5.78    |

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 212 of 284                        |

**Table 8-345**  
**5 GHz WLAN Reduced Average RF Power – 5GHz ANTlower**

| 5GHz (80MHz) Conducted Power [dBm] |         |                        |
|------------------------------------|---------|------------------------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |
|                                    |         | 802.11ac               |
|                                    |         | Average                |
| 5210                               | 42      | 12.11                  |
| 5290                               | 58      | 11.88                  |
| 5530                               | 106     | 10.66                  |
| 5610                               | 122     | 10.57                  |
| 5690                               | 138     | 10.62                  |
| 5775                               | 155     | 10.51                  |

**Table 8-346**  
**5 GHz WLAN Reduced Average RF Power – 5GHz ANTupper**

| 5GHz (80MHz) Conducted Power [dBm] |         |                        |
|------------------------------------|---------|------------------------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |
|                                    |         | 802.11ac               |
|                                    |         | Average                |
| 5210                               | 42      | 11.06                  |
| 5290                               | 58      | 10.79                  |
| 5530                               | 106     | 9.62                   |
| 5610                               | 122     | 9.69                   |
| 5690                               | 138     | 9.51                   |
| 5775                               | 155     | 9.87                   |

### 8.5.3 WLAN Power Reduction Verification Summary

**Table 8-347**  
**WLAN Power Reduction Verification**

| Mode/Band    | Condition (s)      | Maximum Scenario                    | Reduced Scenario                    | Maximum Target Power      | Reduced Target Power      | Maximum              | Reduced              | Verdict |
|--------------|--------------------|-------------------------------------|-------------------------------------|---------------------------|---------------------------|----------------------|----------------------|---------|
|              |                    | Maximum Allowed Tune Up Power [dBm] | Maximum Allowed Tune Up Power [dBm] | [dBm]<br>(Tolerance [dB]) | [dBm]<br>(Tolerance [dB]) | Measured Power [dBm] | Measured Power [dBm] |         |
| 2.4 GHz WLAN | Main Band 2a/2b ON | 14                                  | 7                                   | 12.50 (± 1.5)             | 5.50 (± 1.5)              | 11.07                | 5.35                 | PASS    |
|              | Interband ULCA ON  | 14                                  | 7                                   | 12.50 (± 1.5)             | 5.50 (± 1.5)              | 11.07                | 6.10                 | PASS    |
|              | Main Band 4a/4b ON | 13.75                               | 6.75                                | 12.25 (± 1.5)             | 5.25 (± 1.5)              | 11.41                | 6.39                 | PASS    |
|              | Interband ULCA ON  | 13.75                               | 6.75                                | 12.25 (± 1.5)             | 5.25 (± 1.5)              | 11.41                | 6.37                 | PASS    |
| 5 GHz WLAN   | Main Band 2a ON    | 17                                  | 13                                  | 15.50 (± 1.5)             | 11.50 (± 1.5)             | 14.31                | 11.94                | PASS    |
|              | Interband ULCA ON  | 17                                  | 13                                  | 15.50 (± 1.5)             | 11.50 (± 1.5)             | 14.31                | 10.4                 | PASS    |
|              | Main Band 3 ON     | 17                                  | 12                                  | 15.50 (± 1.5)             | 10.50 (± 1.5)             | 16.41                | 10.76                | PASS    |
|              | Interband ULCA ON  | 17                                  | 12                                  | 15.50 (± 1.5)             | 10.50 (± 1.5)             | 16.41                | 11.7                 | PASS    |

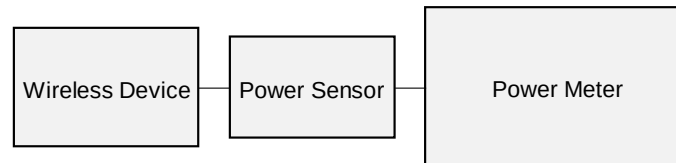
Conducted powers were measured for each Mode/Band and applied condition. All conducted power measurements were verified to be within tolerance.

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
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| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 213 of 284                 |

### 8.5.4 Notes for WLAN

Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02:

- Power measurements were performed for the transmission mode configuration with the highest maximum output power specified for production units.
- For transmission modes with the same maximum output power specification, powers were measured for the largest channel bandwidth, lowest order modulation and lowest data rate.
- For transmission modes with identical maximum specified output power, channel bandwidth, modulation and data rates, power measurements were required for all identical configurations.
- For each transmission mode configuration, powers were measured for the highest and lowest channels; and at the mid-band channel(s) when there were at least 3 channels supported. For configurations with multiple mid-band channels, due to an even number of channels, both channels were measured.
- The WLAN chipset in this device is produced by two different suppliers. The electrically identical modules are manufactured with the identical mechanical structure to meet the same specifications and functions. Two device variants are referenced as Variant 1 and Variant 2 in this report.
- The WLAN SAR worst case configuration was spotchecked on Variant 1 and Variant 2. The variant with the highest reported SAR value was evaluated for the remaining WLAN configurations.



**Figure 8-4**  
**Power Measurement Setup**

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 214 of 284                 |

## 8.6 Bluetooth Conducted Powers

**Table 8-348**  
**Maximum Bluetooth Average RF Power – Ant 2a – Variant 1**

| Frequency [MHz] | Modulation | Data Rate [Mbps] | Channel No. | Avg Conducted Power |        |
|-----------------|------------|------------------|-------------|---------------------|--------|
|                 |            |                  |             | [dBm]               | [mW]   |
| 2402            | GFSK       | 1.0              | 0           | 14.19               | 26.242 |
| 2441            | GFSK       | 1.0              | 39          | <b>14.30</b>        | 26.915 |
| 2480            | GFSK       | 1.0              | 78          | 14.12               | 25.823 |

**Table 8-349**  
**Maximum Bluetooth Average RF Power – Ant 4a – Variant 1**

| Frequency [MHz] | Modulation | Data Rate [Mbps] | Channel No. | Avg Conducted Power |        |
|-----------------|------------|------------------|-------------|---------------------|--------|
|                 |            |                  |             | [dBm]               | [mW]   |
| 2402            | GFSK       | 1.0              | 0           | 14.83               | 30.409 |
| 2441            | GFSK       | 1.0              | 39          | <b>14.92</b>        | 31.046 |
| 2480            | GFSK       | 1.0              | 78          | 14.73               | 29.717 |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
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| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 215 of 284                 |

**Table 8-350**  
**Maximum Bluetooth Average RF Power – Ant 2a – Variant 2**

| Frequency<br>[MHz] | Modulation | Data<br>Rate<br>[Mbps] | Channel<br>No. | Avg Conducted<br>Power |        |
|--------------------|------------|------------------------|----------------|------------------------|--------|
|                    |            |                        |                | [dBm]                  | [mW]   |
| 2402               | GFSK       | 1.0                    | 0              | 14.07                  | 25.527 |
| 2441               | GFSK       | 1.0                    | 39             | 14.15                  | 26.002 |
| 2480               | GFSK       | 1.0                    | 78             | 14.02                  | 25.235 |

**Table 8-351**  
**Maximum Bluetooth Average RF Power – Ant 4a – Variant 2**

| Frequency<br>[MHz] | Modulation | Data<br>Rate<br>[Mbps] | Channel<br>No. | Avg Conducted<br>Power |        |
|--------------------|------------|------------------------|----------------|------------------------|--------|
|                    |            |                        |                | [dBm]                  | [mW]   |
| 2402               | GFSK       | 1.0                    | 0              | 14.58                  | 28.708 |
| 2441               | GFSK       | 1.0                    | 39             | 14.05                  | 25.410 |
| 2480               | GFSK       | 1.0                    | 78             | 14.41                  | 27.606 |

**Table 8-352**  
**Reduced Power Level 1 Bluetooth Average RF Power – Ant 2a – Variant 1**

| Frequency<br>[MHz] | Modulation | Data<br>Rate<br>[Mbps] | Channel<br>No. | Avg Conducted<br>Power |        |
|--------------------|------------|------------------------|----------------|------------------------|--------|
|                    |            |                        |                | [dBm]                  | [mW]   |
| 2402               | GFSK       | 1.0                    | 0              | 11.50                  | 14.125 |
| 2441               | GFSK       | 1.0                    | 39             | 11.29                  | 13.459 |
| 2480               | GFSK       | 1.0                    | 78             | 11.01                  | 12.618 |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 216 of 284                 |

**Table 8-353**  
**Reduced Power Level 2 Bluetooth Average RF Power – Ant 2a – Variant 1**

| Frequency<br>[MHz] | Modulation | Data<br>Rate<br>[Mbps] | Channel<br>No. | Avg Conducted<br>Power |       |
|--------------------|------------|------------------------|----------------|------------------------|-------|
|                    |            |                        |                | [dBm]                  | [mW]  |
| 2402               | GFSK       | 1.0                    | 0              | 7.23                   | 5.284 |
| 2441               | GFSK       | 1.0                    | 39             | 7.41                   | 5.508 |
| 2480               | GFSK       | 1.0                    | 78             | 7.12                   | 5.152 |

**Table 8-354**  
**Reduced Bluetooth Average RF Power – Ant 2a – Variant 1**

| Frequency<br>[MHz] | Modulation | Data<br>Rate<br>[Mbps] | Channel<br>No. | Avg Conducted<br>Power |       |
|--------------------|------------|------------------------|----------------|------------------------|-------|
|                    |            |                        |                | [dBm]                  | [mW]  |
| 2402               | GFSK       | 1.0                    | 0              | 7.53                   | 5.662 |
| 2441               | GFSK       | 1.0                    | 39             | 7.71                   | 5.902 |
| 2480               | GFSK       | 1.0                    | 78             | 7.97                   | 6.266 |

**Table 8-355**  
**Reduced Power Level 1 Bluetooth Average RF Power – Ant 2a – Variant 2**

| Frequency<br>[MHz] | Modulation | Data<br>Rate<br>[Mbps] | Channel<br>No. | Avg Conducted<br>Power |        |
|--------------------|------------|------------------------|----------------|------------------------|--------|
|                    |            |                        |                | [dBm]                  | [mW]   |
| 2402               | GFSK       | 1.0                    | 0              | 11.32                  | 13.552 |
| 2441               | GFSK       | 1.0                    | 39             | 11.50                  | 14.125 |
| 2480               | GFSK       | 1.0                    | 78             | 10.88                  | 12.246 |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
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| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 217 of 284                 |

**Table 8-356**  
**Reduced Power Level 2 Bluetooth Average RF Power – Ant 2a – Variant 2**

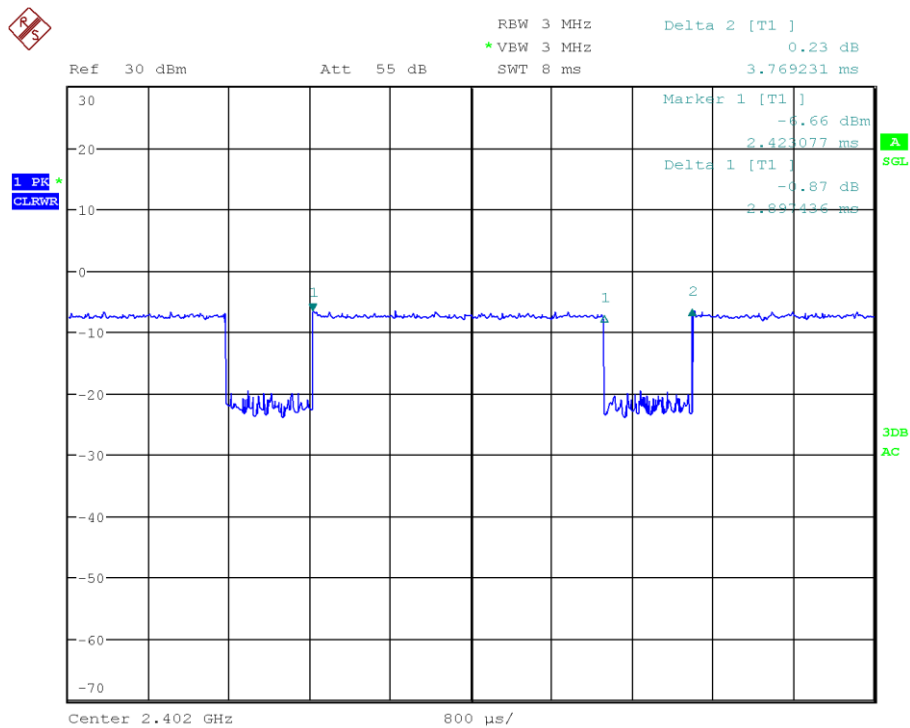
| Frequency<br>[MHz] | Modulation | Data<br>Rate<br>[Mbps] | Channel<br>No. | Avg Conducted<br>Power |       |
|--------------------|------------|------------------------|----------------|------------------------|-------|
|                    |            |                        |                | [dBm]                  | [mW]  |
| 2402               | GFSK       | 1.0                    | 0              | 7.43                   | 5.534 |
| 2441               | GFSK       | 1.0                    | 39             | 7.33                   | 5.408 |
| 2480               | GFSK       | 1.0                    | 78             | 7.23                   | 5.284 |

**Table 8-357**  
**Reduced Bluetooth Average RF Power – Ant 2a – Variant 2**

| Frequency<br>[MHz] | Modulation | Data<br>Rate<br>[Mbps] | Channel<br>No. | Avg Conducted<br>Power |       |
|--------------------|------------|------------------------|----------------|------------------------|-------|
|                    |            |                        |                | [dBm]                  | [mW]  |
| 2402               | GFSK       | 1.0                    | 0              | 7.63                   | 5.794 |
| 2441               | GFSK       | 1.0                    | 39             | 8.00                   | 6.310 |
| 2480               | GFSK       | 1.0                    | 78             | 7.75                   | 5.957 |

Note: The bolded data rates and channel above were tested for SAR.

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
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| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 218 of 284                        |



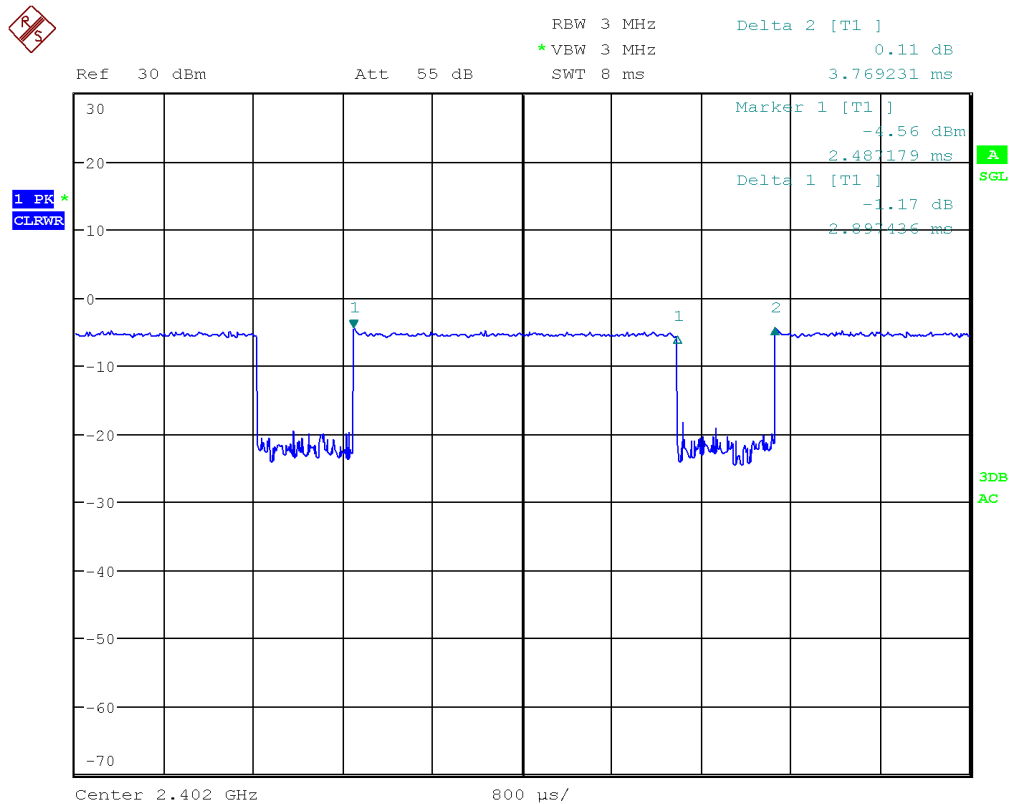
Date: 6.JAN.2020 13:58:51

**Figure 8-5**  
**Bluetooth Transmission Plot – Ant 2a – Variant 1**

**Equation 8-1**  
**Bluetooth Duty Cycle Calculation – Ant 2a – Variant 1**

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.8974 \text{ ms}}{3.7692 \text{ ms}} * 100\% = 76.9\%$$

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 219 of 284                 |



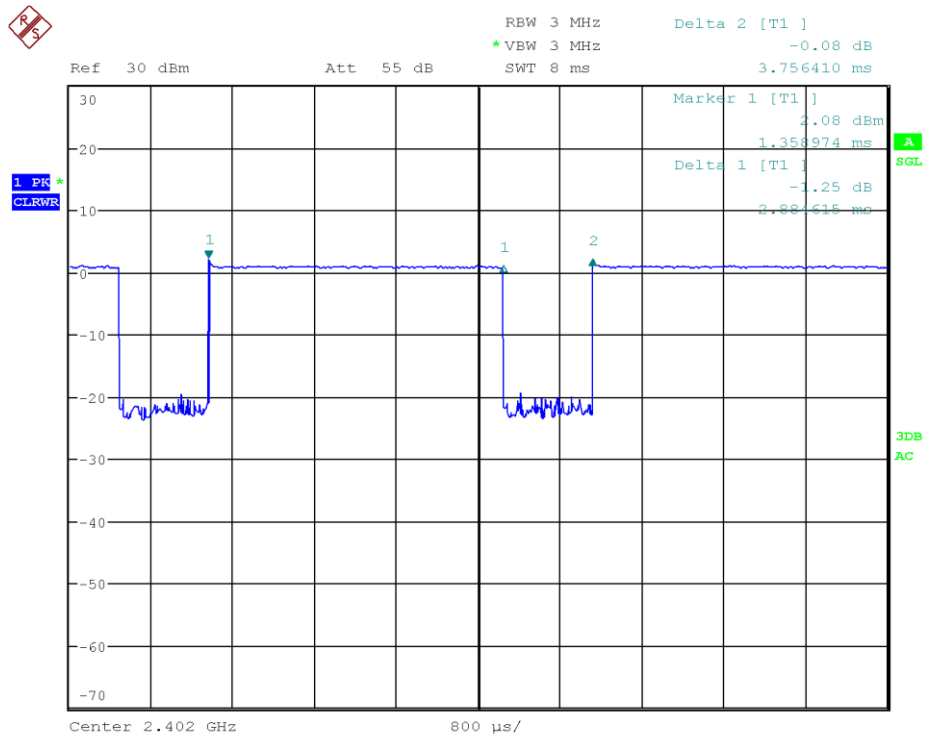
Date: 6.JAN.2020 13:48:52

**Figure 8-6**  
**Bluetooth Transmission Plot – Ant 2a – Variant 2**

**Equation 8-2**  
**Bluetooth Duty Cycle Calculation – Ant 2a – Variant 2**

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.8974 \text{ ms}}{3.7692 \text{ ms}} * 100\% = 76.9\%$$

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 220 of 284                 |



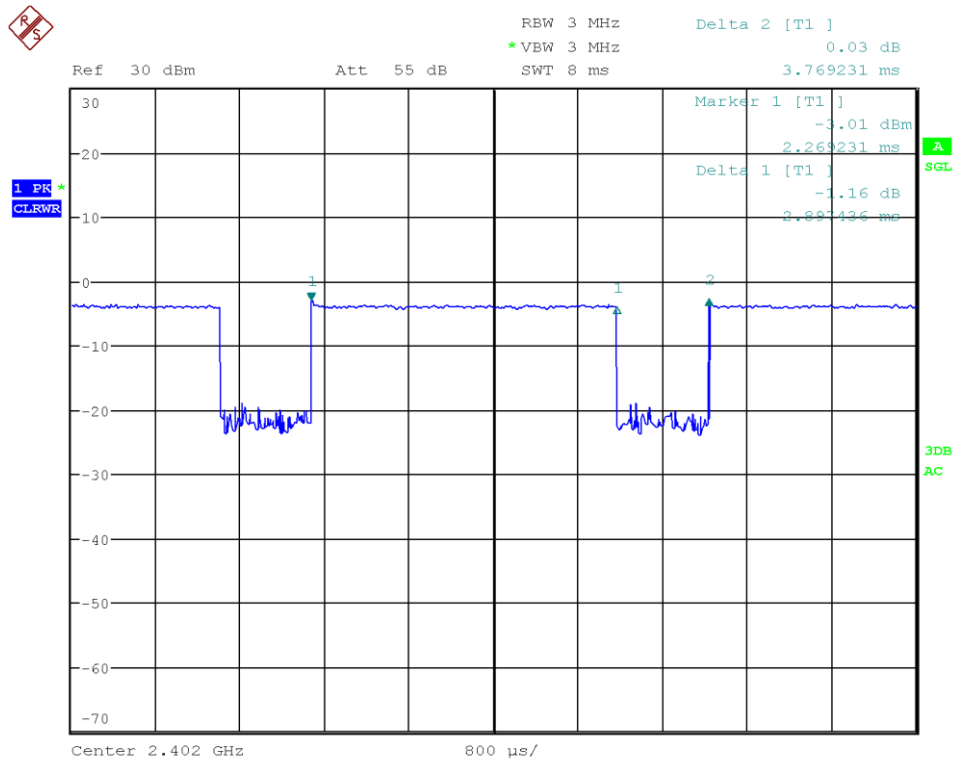
Date: 6.JAN.2020 14:02:14

**Figure 8-7**  
**Bluetooth Transmission Plot – Ant 4a – Variant 1**

**Equation 8-3**  
**Bluetooth Duty Cycle Calculation – Ant 4a – Variant 1**

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.8846 \text{ ms}}{3.7564 \text{ ms}} * 100\% = 76.8\%$$

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 221 of 284                 |



Date: 6.JAN.2020 13:50:35

**Figure 8-8**  
**Bluetooth Transmission Plot – Ant 4a – Variant 2**

**Equation 8-4**  
**Bluetooth Duty Cycle Calculation – Ant 4a – Variant 2**

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.8974 \text{ ms}}{3.7692 \text{ ms}} * 100\% = 76.9\%$$

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 222 of 284                 |

## 8.6.1 Bluetooth Power Reduction Verification Summary

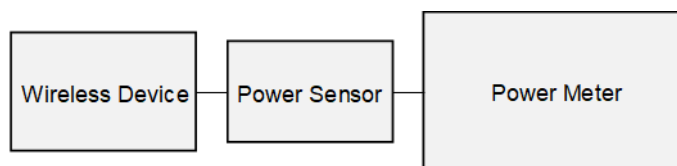
**Table 8-358**  
**Bluetooth Power Reduction Verification**

| Antenna | Mode/Band         | Condition (s)                          | Maximum Scenario<br>Maximum Allowed Tune<br>Up Power [dBm] | Reduced Scenario<br>Maximum Allowed<br>Tune Up Power [dBm] | Maximum Target Power<br>[dBm] | Reduced Target Power<br>[dBm] | Maximum<br>Measured Power<br>[dBm] | Reduced<br>Measured Power<br>[dBm] | Verdict |
|---------|-------------------|----------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-------------------------------|-------------------------------|------------------------------------|------------------------------------|---------|
|         |                   |                                        |                                                            |                                                            | (Tolerance [dB])              | (Tolerance [dB])              |                                    |                                    |         |
| ANT4a   | 2.4 GHz Bluetooth | Main Band ANT3/4a/4b ON                | 15                                                         | 8                                                          | 13.50 (+1.5/-2)               | 6.50 (+1.5/-2)                | 14.51                              | 7.97                               | PASS    |
|         | 2.4 GHz Bluetooth | Interband ULCA ON                      | 15                                                         | 8                                                          | 13.50 (+1.5/-2)               | 6.50 (+1.5/-2)                | 14.51                              | 7.71                               | PASS    |
| ANT2a   | 2.4 GHz Bluetooth | 5 GHz WLAN ON                          | 14.5                                                       | 11.5                                                       | 13.00 (+1.5/-2)               | 10.00 (+1.5/-2)               | 13.76                              | 10.36                              | PASS    |
|         | 2.4 GHz Bluetooth | Main Band ANT1/2a/2b ON                | 14.5                                                       | 7.5                                                        | 13.00 (+1.5/-2)               | 6.00 (+1.5/-2)                | 13.76                              | 6.72                               | PASS    |
|         | 2.4 GHz Bluetooth | 5 GHz WLAN ON, Main Band ANT1/2a/2b ON | 14.5                                                       | 7.5                                                        | 13.00 (+1.5/-2)               | 6.00 (+1.5/-2)                | 13.76                              | 6.11                               | PASS    |
|         | 2.4 GHz Bluetooth | Interband ULCA ON                      | 14.5                                                       | 7.5                                                        | 13.00 (+1.5/-2)               | 6.00 (+1.5/-2)                | 13.76                              | 6.3                                | PASS    |
|         | 2.4 GHz Bluetooth | 5 GHz WLAN ON, Interband ULCA ON       | 14.5                                                       | 7.5                                                        | 13.00 (+1.5/-2)               | 6.00 (+1.5/-2)                | 13.76                              | 6.44                               | PASS    |
|         | 2.4 GHz Bluetooth |                                        |                                                            |                                                            |                               |                               |                                    |                                    |         |

Conducted powers were measured for each Mode/Band applied condition. All conducted power measurements were verified to be within tolerance.

## 8.6.2 Notes for Bluetooth

- The Bluetooth chipset in this device is produced by two different suppliers. The electrically identical modules are manufactured with the identical mechanical structure to meet the same specifications and functions. Two device variants are referenced as Variant 1 and Variant 2 in this report.
- Bluetooth SAR worst case configuration was evaluated for both Variant 1 and Variant 2. The variant with the highest reported SAR value was selected for the remaining test configurations.
- Full power measurements were performed for Variant 1 and Variant 2 per FCC KDB Procedures 248227.



**Figure 8-9**  
**Power Measurement Setup**

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 223 of 284                 |

# 9 SYSTEM VERIFICATION

## 9.1 Tissue Verification

**Table 9-1**  
**Measured Tissue Properties**

| Calibrated for Tests Performed on: | Tissue Type | Tissue Temp During Calibration (°C) | Measured Frequency (MHz) | Measured Conductivity, $\sigma$ (S/m) | Measured Dielectric Constant, $\epsilon'$ | TARGET Conductivity, $\sigma$ (S/m) | TARGET Dielectric Constant, $\epsilon'$ | % dev $\sigma$ | % dev $\epsilon'$ |
|------------------------------------|-------------|-------------------------------------|--------------------------|---------------------------------------|-------------------------------------------|-------------------------------------|-----------------------------------------|----------------|-------------------|
| 1/18/2020                          | 750B        | 23.0                                | 680                      | 0.913                                 | 54.878                                    | 0.958                               | 55.804                                  | -4.70%         | -1.66%            |
|                                    |             |                                     | 695                      | 0.922                                 | 54.878                                    | 0.959                               | 55.745                                  | -3.86%         | -1.56%            |
|                                    |             |                                     | 700                      | 0.924                                 | 54.850                                    | 0.959                               | 55.726                                  | -3.65%         | -1.57%            |
|                                    |             |                                     | 710                      | 0.928                                 | 54.721                                    | 0.960                               | 55.687                                  | -3.33%         | -1.72%            |
|                                    |             |                                     | 720                      | 0.933                                 | 54.528                                    | 0.961                               | 55.648                                  | -2.81%         | -2.01%            |
|                                    |             |                                     | 725                      | 0.936                                 | 54.420                                    | 0.961                               | 55.629                                  | -2.39%         | -2.17%            |
|                                    |             |                                     | 740                      | 0.956                                 | 54.090                                    | 0.963                               | 55.570                                  | -0.73%         | -2.66%            |
|                                    |             |                                     | 755                      | 0.978                                 | 53.909                                    | 0.964                               | 55.512                                  | 1.45%          | -2.89%            |
|                                    |             |                                     | 770                      | 0.997                                 | 53.686                                    | 0.965                               | 55.453                                  | 3.32%          | -2.83%            |
|                                    |             |                                     | 785                      | 1.008                                 | 53.911                                    | 0.966                               | 55.395                                  | 4.35%          | -2.68%            |
|                                    |             |                                     | 800                      | 1.015                                 | 53.807                                    | 0.967                               | 55.336                                  | 4.96%          | -2.76%            |
|                                    |             |                                     | 820                      | 0.961                                 | 54.784                                    | 0.969                               | 55.258                                  | -0.83%         | -0.86%            |
| 1/16/2020                          | 835B        | 18.8                                | 835                      | 0.978                                 | 54.548                                    | 0.970                               | 55.200                                  | 0.82%          | -1.18%            |
| 1/19/2020                          | 835B        | 20.0                                | 850                      | 0.996                                 | 54.348                                    | 0.968                               | 55.154                                  | 0.81%          | -1.46%            |
|                                    |             |                                     | 860                      | 0.979                                 | 53.419                                    | 0.967                               | 55.336                                  | 1.24%          | -3.46%            |
|                                    |             |                                     | 820                      | 1.001                                 | 53.279                                    | 0.969                               | 55.258                                  | 3.30%          | -3.58%            |
|                                    |             |                                     | 835                      | 1.015                                 | 53.152                                    | 0.970                               | 55.200                                  | 4.64%          | -3.71%            |
| 1/21/2020                          | 1750B       | 18.4                                | 850                      | 1.028                                 | 52.975                                    | 0.988                               | 55.154                                  | 4.05%          | -3.95%            |
|                                    |             |                                     | 1710                     | 1.447                                 | 52.452                                    | 1.483                               | 53.507                                  | -1.09%         | -2.03%            |
|                                    |             |                                     | 1750                     | 1.484                                 | 52.302                                    | 1.488                               | 53.432                                  | -0.27%         | -2.11%            |
|                                    |             |                                     | 1790                     | 1.525                                 | 52.205                                    | 1.514                               | 53.326                                  | 0.73%          | -2.10%            |
| 1/23/2020                          | 1750B       | 19.8                                | 1710                     | 1.478                                 | 51.887                                    | 1.463                               | 53.537                                  | 1.03%          | -3.08%            |
|                                    |             |                                     | 1750                     | 1.514                                 | 51.756                                    | 1.488                               | 53.432                                  | 1.75%          | -3.14%            |
|                                    |             |                                     | 1790                     | 1.564                                 | 51.593                                    | 1.514                               | 53.326                                  | 2.64%          | -3.25%            |
|                                    |             |                                     | 1850                     | 1.537                                 | 52.801                                    | 1.520                               | 53.300                                  | 1.12%          | -0.94%            |
| 1/16/2020                          | 1900B       | 19.2                                | 1880                     | 1.562                                 | 52.801                                    | 1.520                               | 53.300                                  | 2.76%          | -0.94%            |
|                                    |             |                                     | 1910                     | 1.579                                 | 52.852                                    | 1.520                               | 53.300                                  | 3.88%          | -0.84%            |
|                                    |             |                                     | 1850                     | 1.549                                 | 51.688                                    | 1.520                               | 53.300                                  | 1.91%          | -3.02%            |
|                                    |             |                                     | 1880                     | 1.567                                 | 51.629                                    | 1.520                               | 53.300                                  | 3.09%          | -3.14%            |
| 1/22/2020                          | 1900B       | 21.6                                | 1910                     | 1.587                                 | 51.584                                    | 1.520                               | 53.300                                  | 4.41%          | -2.22%            |
|                                    |             |                                     | 2300                     | 1.832                                 | 51.591                                    | 1.809                               | 52.900                                  | 1.27%          | -2.47%            |
|                                    |             |                                     | 2310                     | 1.849                                 | 51.560                                    | 1.816                               | 52.887                                  | 1.82%          | -2.51%            |
|                                    |             |                                     | 2320                     | 1.866                                 | 51.550                                    | 1.826                               | 52.873                                  | 2.19%          | -2.50%            |
| 13/20/2019                         | 2450B       | 20.7                                | 2400                     | 1.974                                 | 51.276                                    | 1.902                               | 52.767                                  | 3.79%          | -2.83%            |
|                                    |             |                                     | 2450                     | 2.098                                 | 51.076                                    | 1.950                               | 52.700                                  | 4.41%          | -1.08%            |
|                                    |             |                                     | 2500                     | 2.106                                 | 50.870                                    | 2.021                               | 52.636                                  | 4.30%          | -3.36%            |
|                                    |             |                                     | 2400                     | 1.886                                 | 50.952                                    | 1.902                               | 52.767                                  | -0.84%         | -3.44%            |
| 1/14/2020                          | 2450B       | 23.0                                | 2450                     | 1.948                                 | 50.877                                    | 1.950                               | 52.700                                  | -0.10%         | -3.46%            |
|                                    |             |                                     | 2500                     | 2.022                                 | 50.597                                    | 2.021                               | 52.636                                  | 0.05%          | -3.87%            |
|                                    |             |                                     | 2450                     | 1.938                                 | 51.027                                    | 1.902                               | 52.767                                  | 1.89%          | -3.30%            |
|                                    |             |                                     | 2450                     | 2.006                                 | 50.845                                    | 1.950                               | 52.700                                  | 2.82%          | -3.52%            |
| 1/29/2020                          | 2450B-2600B | 22.1                                | 2500                     | 2.075                                 | 50.661                                    | 2.021                               | 52.636                                  | 2.67%          | -3.75%            |
|                                    |             |                                     | 2550                     | 2.142                                 | 50.477                                    | 2.092                               | 52.573                                  | 2.39%          | -3.99%            |
|                                    |             |                                     | 2600                     | 2.216                                 | 50.297                                    | 2.163                               | 52.509                                  | 2.45%          | -4.21%            |
|                                    |             |                                     | 2650                     | 2.286                                 | 50.086                                    | 2.234                               | 52.445                                  | 2.32%          | -4.50%            |
| 24/02/2020                         | 2450B-2600B | 21.8                                | 2700                     | 2.350                                 | 49.900                                    | 2.305                               | 52.382                                  | 2.39%          | -4.74%            |
|                                    |             |                                     | 2400                     | 1.991                                 | 51.190                                    | 1.902                               | 52.767                                  | 4.68%          | -2.99%            |
|                                    |             |                                     | 2450                     | 2.038                                 | 51.000                                    | 1.950                               | 52.700                                  | 4.51%          | -3.23%            |
|                                    |             |                                     | 2500                     | 2.104                                 | 50.884                                    | 2.021                               | 52.636                                  | 4.11%          | -3.33%            |
| 1/20/2020                          | 3500B-3700B | 21.5                                | 2550                     | 2.185                                 | 50.680                                    | 2.092                               | 52.573                                  | 3.01%          | -3.60%            |
|                                    |             |                                     | 2600                     | 2.223                                 | 50.587                                    | 2.163                               | 52.509                                  | 2.77%          | -3.66%            |
|                                    |             |                                     | 2650                     | 2.280                                 | 50.354                                    | 2.234                               | 52.445                                  | 2.08%          | -3.99%            |
|                                    |             |                                     | 2700                     | 2.344                                 | 50.267                                    | 2.305                               | 52.382                                  | 1.69%          | -4.04%            |
| 01/07/2020                         | 5200B-5800B | 18.1                                | 3500                     | 3.361                                 | 49.551                                    | 3.314                               | 51.321                                  | 1.42%          | -3.45%            |
|                                    |             |                                     | 3550                     | 3.420                                 | 49.436                                    | 3.372                               | 51.254                                  | 1.72%          | -3.55%            |
|                                    |             |                                     | 3600                     | 3.452                                 | 49.272                                    | 3.431                               | 51.186                                  | 1.78%          | -3.74%            |
|                                    |             |                                     | 3645                     | 3.561                                 | 49.174                                    | 3.483                               | 51.125                                  | 2.24%          | -3.82%            |
|                                    |             |                                     | 3685                     | 3.603                                 | 49.041                                    | 3.530                               | 51.070                                  | 2.07%          | -3.97%            |
|                                    |             |                                     | 3725                     | 3.670                                 | 48.914                                    | 3.577                               | 51.016                                  | 2.60%          | -4.12%            |
|                                    |             |                                     | 5180                     | 5.025                                 | 48.507                                    | 5.276                               | 49.041                                  | -4.76%         | -1.09%            |
|                                    |             |                                     | 5200                     | 5.057                                 | 48.451                                    | 5.299                               | 49.014                                  | -4.57%         | -1.15%            |
|                                    |             |                                     | 5220                     | 5.091                                 | 48.421                                    | 5.323                               | 48.987                                  | -4.36%         | -1.16%            |
|                                    |             |                                     | 5240                     | 5.115                                 | 48.419                                    | 5.346                               | 48.960                                  | -4.32%         | -1.10%            |
|                                    |             |                                     | 5260                     | 5.127                                 | 48.348                                    | 5.369                               | 48.933                                  | -4.51%         | -1.20%            |
|                                    |             |                                     | 5280                     | 5.156                                 | 48.286                                    | 5.393                               | 48.906                                  | -4.39%         | -1.27%            |
|                                    |             |                                     | 5300                     | 5.200                                 | 48.244                                    | 5.416                               | 48.879                                  | -3.99%         | -1.30%            |
|                                    |             |                                     | 5320                     | 5.230                                 | 48.242                                    | 5.439                               | 48.851                                  | -3.84%         | -1.25%            |
|                                    |             |                                     | 5500                     | 5.479                                 | 47.880                                    | 5.650                               | 48.607                                  | -3.03%         | -1.50%            |
|                                    |             |                                     | 5520                     | 5.508                                 | 47.893                                    | 5.673                               | 48.580                                  | -2.91%         | -1.41%            |
|                                    |             |                                     | 5540                     | 5.533                                 | 47.853                                    | 5.696                               | 48.553                                  | -2.88%         | -1.44%            |
|                                    |             |                                     | 5560                     | 5.553                                 | 47.790                                    | 5.720                               | 48.526                                  | -2.92%         | -1.52%            |
|                                    |             |                                     | 5580                     | 5.590                                 | 47.728                                    | 5.743                               | 48.499                                  | -2.66%         | -1.59%            |
|                                    |             |                                     | 5600                     | 5.629                                 | 47.689                                    | 5.766                               | 48.471                                  | -2.38%         | -1.61%            |
|                                    |             |                                     | 5620                     | 5.656                                 | 47.696                                    | 5.790                               | 48.444                                  | -2.31%         | -1.54%            |
|                                    |             |                                     | 5640                     | 5.678                                 | 47.651                                    | 5.813                               | 48.417                                  | -2.38%         | -1.58%            |
|                                    |             |                                     | 5660                     | 5.703                                 | 47.587                                    | 5.837                               | 48.390                                  | -2.30%         | -1.65%            |
|                                    |             |                                     | 5680                     | 5.740                                 | 47.550                                    | 5.860                               | 48.363                                  | -2.05%         | -1.68%            |
|                                    |             |                                     | 5700                     | 5.772                                 | 47.512                                    | 5.883                               | 48.336                                  | -1.89%         | -1.70%            |
|                                    |             |                                     | 5745                     | 5.821                                 | 47.423                                    | 5.936                               | 48.275                                  | -1.84%         | -1.76%            |
|                                    |             |                                     | 5765                     | 5.869                                 | 47.347                                    | 5.959                               | 48.248                                  | -1.88%         | -1.87%            |
|                                    |             |                                     | 5785                     | 5.901                                 | 47.343                                    | 5.982                               | 48.220                                  | -1.35%         | -1.82%            |
|                                    |             |                                     | 5800                     | 5.920                                 | 47.340                                    | 6.000                               | 48.200                                  | -1.33%         | -1.78%            |
|                                    |             |                                     | 5805                     | 5.925                                 | 47.334                                    | 6.006                               | 48.193                                  | -1.35%         | -1.78%            |
|                                    |             |                                     | 5825                     | 5.946                                 | 47.302                                    | 6.029                               | 48.166                                  | -1.38%         | -1.79%            |

The above measured tissue parameters were used in the DASY software. The DASY software was used to perform interpolation to determine the dielectric parameters at the SAR test device frequencies (per KDB Publication 865664 D01v01r04 and IEEE 1528-2013 6.6.1.2). The tissue parameters listed in the SAR test plots may slightly differ from the table above due to significant digit rounding in the software.

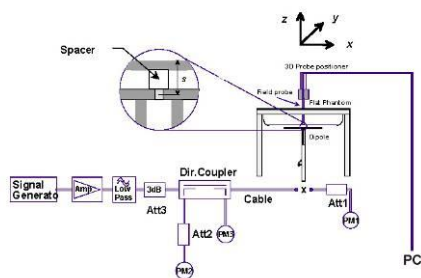
|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 224 of 284                 |

## 9.2 Test System Verification

Prior to SAR assessment, the system is verified to  $\pm 10\%$  of the SAR measurement on the reference dipole at the time of calibration by the calibration facility. Full system validation status and result summary can be found in Appendix D.

**Table 9-2**  
**System Verification Results**

| System Verification<br>TARGET & MEASURED |                        |             |            |                |                  |                 |           |          |                                   |                                     |                                         |                             |
|------------------------------------------|------------------------|-------------|------------|----------------|------------------|-----------------|-----------|----------|-----------------------------------|-------------------------------------|-----------------------------------------|-----------------------------|
| SAR System #                             | Tissue Frequency (MHz) | Tissue Type | Date       | Amb. Temp (°C) | Liquid Temp (°C) | Input Power (W) | Source SN | Probe SN | Measured SAR <sub>1g</sub> (W/kg) | 1 W Target SAR <sub>1g</sub> (W/kg) | 1 W Normalized SAR <sub>1g</sub> (W/kg) | Deviation <sub>1g</sub> (%) |
| AM1                                      | 750                    | BODY        | 01/18/2020 | 21.1           | 21.0             | 0.200           | 1097      | 7421     | 1.830                             | 8.560                               | 9.150                                   | 6.89%                       |
| AM6                                      | 835                    | BODY        | 01/16/2020 | 20.4           | 18.8             | 0.200           | 4d040     | 7427     | 1.770                             | 9.530                               | 8.850                                   | -7.14%                      |
| AM6                                      | 835                    | BODY        | 01/19/2020 | 20.4           | 20.0             | 0.200           | 4d040     | 7427     | 1.950                             | 9.530                               | 9.750                                   | 2.31%                       |
| AM6                                      | 1750                   | BODY        | 01/21/2020 | 23.8           | 18.4             | 0.100           | 1083      | 7427     | 3.420                             | 37.100                              | 34.200                                  | -7.82%                      |
| AM6                                      | 1750                   | BODY        | 01/23/2020 | 23.0           | 19.8             | 0.100           | 1083      | 7427     | 3.700                             | 37.100                              | 37.000                                  | -0.27%                      |
| AM2                                      | 1900                   | BODY        | 01/16/2020 | 20.7           | 19.5             | 0.100           | 5d026     | 7420     | 4.180                             | 39.900                              | 41.800                                  | 4.76%                       |
| AM2                                      | 1900                   | BODY        | 01/22/2020 | 21.1           | 20.0             | 0.100           | 5d026     | 7420     | 4.080                             | 39.900                              | 40.800                                  | 2.26%                       |
| AM4                                      | 2300                   | BODY        | 02/05/2020 | 21.0           | 20.9             | 0.100           | 1038      | 7532     | 4.430                             | 46.700                              | 44.300                                  | -5.14%                      |
| AM4                                      | 2450                   | BODY        | 12/20/2019 | 21.0           | 20.0             | 0.100           | 921       | 7532     | 5.360                             | 50.800                              | 53.600                                  | 5.51%                       |
| AM4                                      | 2450                   | BODY        | 01/14/2020 | 22.1           | 21.0             | 0.100           | 921       | 7532     | 5.120                             | 50.800                              | 51.200                                  | 0.79%                       |
| AM4                                      | 2450                   | BODY        | 01/29/2020 | 22.1           | 20.1             | 0.100           | 921       | 7532     | 4.920                             | 50.800                              | 49.200                                  | -3.15%                      |
| AM3                                      | 2450                   | BODY        | 02/04/2020 | 22.2           | 20.5             | 0.100           | 945       | 3949     | 5.210                             | 49.400                              | 52.100                                  | 5.47%                       |
| AM4                                      | 2600                   | BODY        | 01/29/2020 | 22.1           | 20.1             | 0.100           | 1069      | 7532     | 5.250                             | 55.300                              | 52.500                                  | -5.06%                      |
| AM3                                      | 2600                   | BODY        | 02/04/2020 | 22.2           | 20.5             | 0.100           | 1009      | 3949     | 5.550                             | 55.500                              | 55.500                                  | 0.00%                       |
| AM3                                      | 3500                   | BODY        | 01/20/2020 | 21.4           | 20.8             | 0.100           | 1068      | 3949     | 6.160                             | 65.300                              | 61.600                                  | -5.67%                      |
| AM3                                      | 3700                   | BODY        | 01/20/2020 | 21.4           | 20.8             | 0.100           | 1029      | 3949     | 6.280                             | 64.900                              | 62.800                                  | -3.24%                      |
| AM5                                      | 5250                   | BODY        | 01/07/2020 | 22.1           | 19.2             | 0.050           | 1163      | 7491     | 3.660                             | 77.700                              | 73.200                                  | -5.79%                      |
| AM5                                      | 5600                   | BODY        | 01/07/2020 | 22.1           | 19.2             | 0.050           | 1163      | 7491     | 3.780                             | 80.100                              | 75.600                                  | -5.62%                      |
| AM5                                      | 5750                   | BODY        | 01/07/2020 | 22.1           | 19.2             | 0.050           | 1163      | 7491     | 3.590                             | 77.800                              | 71.800                                  | -7.71%                      |



**Figure 9-1**  
**System Verification Setup Diagram**



**Figure 9-2**  
**System Verification Setup Photo**

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 225 of 284                 |

# 10 SAR DATA SUMMARY

## 10.1 Standalone Hotspot SAR Data

**Table 10-1**  
**GPRS 850 MHz Ant 1 Body SAR**

| MEASUREMENT RESULTS                      |     |         |         |                             |                       |                  |          |         |                 |                      |                 |            |        |          |                |                   |           |                    |        |
|------------------------------------------|-----|---------|---------|-----------------------------|-----------------------|------------------|----------|---------|-----------------|----------------------|-----------------|------------|--------|----------|----------------|-------------------|-----------|--------------------|--------|
| FREQUENCY                                |     | Mode    | Service | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Drift (dB) | Position | Spacing | Antenna Config. | Device Serial Number | # of Time Slots | Duty Cycle | Side   | SAR (1g) | Scaling Factor | Reported SAR (1g) | SAR (10g) | Reported SAR (10g) | Plot # |
| MHz                                      | Ch. |         |         |                             |                       |                  |          |         |                 |                      |                 |            |        | (mW/kg)  |                | (mW/kg)           | (mW/kg)   |                    |        |
| 836.60                                   | 190 | GSM 850 | GPRS    | 26.70                       | 26.57                 | 0.05             | Body     | 0 mm    | Ant 1           | DLXZV004PQM6         | 2               | 1:4.15     | back   | 0.648    | 1.030          | 0.667             | 0.273     | 0.281              |        |
| 836.60                                   | 190 | GSM 850 | GPRS    | 26.70                       | 26.57                 | 0.08             | Body     | 0 mm    | Ant 1           | DLXZV004PQM6         | 2               | 1:4.15     | top    | 0.020    | 1.030          | 0.031             | 0.017     | 0.018              |        |
| 836.60                                   | 190 | GSM 850 | GPRS    | 26.70                       | 26.57                 | -0.14            | Body     | 0 mm    | Ant 1           | DLXZV004PQM6         | 2               | 1:4.15     | bottom | 0.304    | 1.030          | 0.313             | 0.101     | 0.104              |        |
| 836.60                                   | 190 | GSM 850 | GPRS    | 26.70                       | 26.57                 | -0.08            | Body     | 0 mm    | Ant 1           | DLXZV004PQM6         | 2               | 1:4.15     | right  | 0.006    | 1.030          | 0.006             | 0.002     | 0.002              |        |
| 824.20                                   | 128 | GSM 850 | GPRS    | 26.70                       | 26.64                 | 0.18             | Body     | 0 mm    | Ant 1           | DLXZV004PQM6         | 2               | 1:4.15     | left   | 1.110    | 1.014          | 1.126             | 0.358     | 0.363              | A1     |
| 836.60                                   | 190 | GSM 850 | GPRS    | 26.70                       | 26.57                 | 0.02             | Body     | 0 mm    | Ant 1           | DLXZV004PQM6         | 2               | 1:4.15     | left   | 1.010    | 1.030          | 1.040             | 0.339     | 0.349              |        |
| 848.80                                   | 251 | GSM 850 | GPRS    | 26.70                       | 26.58                 | -0.14            | Body     | 0 mm    | Ant 1           | DLXZV004PQM6         | 2               | 1:4.15     | left   | 0.977    | 1.028          | 1.004             | 0.325     | 0.334              |        |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT    |     |         |         |                             |                       |                  |          |         |                 |                      |                 |            |        |          |                |                   |           |                    |        |
| Spatial Peak                             |     |         |         |                             |                       |                  |          |         |                 | 1.6 W/kg (mW/g)      |                 |            |        |          |                |                   |           |                    |        |
| Uncontrolled Exposure/General Population |     |         |         |                             |                       |                  |          |         |                 | averaged over 1 gram |                 |            |        |          |                |                   |           |                    |        |

**Table 10-2**  
**GPRS 850 MHz Ant 3 Body SAR**

| MEASUREMENT RESULTS                      |     |         |         |                             |                       |                  |          |         |                 |                      |                 |            |        |                      |                |                   |           |                    |        |
|------------------------------------------|-----|---------|---------|-----------------------------|-----------------------|------------------|----------|---------|-----------------|----------------------|-----------------|------------|--------|----------------------|----------------|-------------------|-----------|--------------------|--------|
| FREQUENCY                                |     | Mode    | Service | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Drift (dB) | Position | Spacing | Antenna Config. | Device Serial Number | # of Time Slots | Duty Cycle | Side   | SAR (1g)             | Scaling Factor | Reported SAR (1g) | SAR (10g) | Reported SAR (10g) | Plot # |
| MHz                                      | Ch. |         |         |                             |                       |                  |          |         |                 |                      |                 |            |        | (W/kg)               |                | (W/kg)            | (W/kg)    |                    |        |
| 824.20                                   | 128 | GSM 850 | GPRS    | 28.00                       | 26.85                 | -0.11            | Body     | 0 mm    | Ant 3           | DLXZV002PQM6         | 2               | 1:4.15     | back   | 0.801                | 1.303          | 1.044             | 0.410     | 0.534              |        |
| 836.60                                   | 190 | GSM 850 | GPRS    | 28.00                       | 26.77                 | 0.01             | Body     | 0 mm    | Ant 3           | DLXZV002PQM6         | 2               | 1:4.15     | back   | 0.778                | 1.327          | 1.032             | 0.400     | 0.531              |        |
| 848.80                                   | 251 | GSM 850 | GPRS    | 28.00                       | 26.67                 | -0.04            | Body     | 0 mm    | Ant 3           | DLXZV002PQM6         | 2               | 1:4.15     | back   | 0.751                | 1.358          | 1.020             | 0.387     | 0.526              |        |
| 836.60                                   | 190 | GSM 850 | GPRS    | 28.00                       | 26.77                 | -0.16            | Body     | 0 mm    | Ant 3           | DLXZV002PQM6         | 2               | 1:4.15     | top    | 0.336                | 1.327          | 0.446             | 0.107     | 0.142              |        |
| 836.60                                   | 190 | GSM 850 | GPRS    | 28.00                       | 26.77                 | -0.21            | Body     | 0 mm    | Ant 3           | DLXZV002PQM6         | 2               | 1:4.15     | bottom | 0.021                | 1.327          | 0.028             | 0.010     | 0.013              |        |
| 824.20                                   | 128 | GSM 850 | GPRS    | 28.00                       | 26.85                 | -0.02            | Body     | 0 mm    | Ant 3           | DLXZV002PQM6         | 2               | 1:4.15     | right  | 0.886                | 1.303          | 1.154             | 0.321     | 0.418              |        |
| 836.60                                   | 190 | GSM 850 | GPRS    | 28.00                       | 26.77                 | 0.02             | Body     | 0 mm    | Ant 3           | DLXZV002PQM6         | 2               | 1:4.15     | right  | 0.815                | 1.327          | 1.082             | 0.302     | 0.401              |        |
| 848.80                                   | 251 | GSM 850 | GPRS    | 28.00                       | 26.67                 | -0.09            | Body     | 0 mm    | Ant 3           | DLXZV002PQM6         | 2               | 1:4.15     | right  | 0.746                | 1.358          | 1.013             | 0.280     | 0.380              |        |
| 836.60                                   | 190 | GSM 850 | GPRS    | 28.00                       | 26.77                 | -0.21            | Body     | 0 mm    | Ant 3           | DLXZV002PQM6         | 2               | 1:4.15     | left   | 0.006                | 1.327          | 0.008             | 0.003     | 0.004              |        |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT    |     |         |         |                             |                       |                  |          |         |                 |                      |                 |            |        | Body                 |                |                   |           |                    |        |
| Spatial Peak                             |     |         |         |                             |                       |                  |          |         |                 |                      |                 |            |        | 1.6 W/kg (mW/g)      |                |                   |           |                    |        |
| Uncontrolled Exposure/General Population |     |         |         |                             |                       |                  |          |         |                 |                      |                 |            |        | averaged over 1 gram |                |                   |           |                    |        |

**Table 10-3**  
**GPRS 1900 MHz Ant 2a Body SAR**

| MEASUREMENT RESULTS                      |     |          |         |                             |                       |                  |          |         |                 |                      |                 |            |        |          |                |                   |           |                    |        |
|------------------------------------------|-----|----------|---------|-----------------------------|-----------------------|------------------|----------|---------|-----------------|----------------------|-----------------|------------|--------|----------|----------------|-------------------|-----------|--------------------|--------|
| FREQUENCY                                |     | Mode     | Service | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Drift (dB) | Position | Spacing | Antenna Config. | Device Serial Number | # of Time Slots | Duty Cycle | Side   | SAR (1g) | Scaling Factor | Reported SAR (1g) | SAR (10g) | Reported SAR (10g) | Plot # |
| MHz                                      | Ch. |          |         |                             |                       |                  |          |         |                 |                      |                 |            |        | (W/kg)   |                | (W/kg)            | (W/kg)    |                    |        |
| 1850.20                                  | 512 | GSM 1900 | GPRS    | 21.00                       | 20.70                 | -0.06            | Body     | 0 mm    | Ant 2a          | DLXZT004P57G         | 2               | 1:4.15     | back   | 0.873    | 1.072          | 0.936             | 0.418     | 0.448              |        |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 21.00                       | 20.68                 | -0.01            | Body     | 0 mm    | Ant 2a          | DLXZT004P57G         | 2               | 1:4.15     | back   | 0.907    | 1.076          | 0.976             | 0.433     | 0.466              |        |
| 1909.80                                  | 810 | GSM 1900 | GPRS    | 21.00                       | 20.90                 | -0.08            | Body     | 0 mm    | Ant 2a          | DLXZT004P57G         | 2               | 1:4.15     | back   | 0.980    | 1.023          | 1.003             | 0.463     | 0.474              |        |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 21.00                       | 20.68                 | 0.20             | Body     | 0 mm    | Ant 2a          | DLXZT004P57G         | 2               | 1:4.15     | top    | 0.009    | 1.076          | 0.010             | 0.003     | 0.003              |        |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 21.00                       | 20.68                 | -0.09            | Body     | 0 mm    | Ant 2a          | DLXZT004P57G         | 2               | 1:4.15     | bottom | 0.262    | 1.076          | 0.282             | 0.095     | 0.102              |        |
| 1850.20                                  | 512 | GSM 1900 | GPRS    | 21.00                       | 20.70                 | 0.03             | Body     | 0 mm    | Ant 2a          | DLXZT004P57G         | 2               | 1:4.15     | right  | 0.802    | 1.072          | 0.880             | 0.314     | 0.337              |        |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 21.00                       | 20.68                 | -0.02            | Body     | 0 mm    | Ant 2a          | DLXZT004P57G         | 2               | 1:4.15     | right  | 0.809    | 1.076          | 0.870             | 0.316     | 0.340              |        |
| 1909.80                                  | 810 | GSM 1900 | GPRS    | 21.00                       | 20.90                 | 0.03             | Body     | 0 mm    | Ant 2a          | DLXZT004P57G         | 2               | 1:4.15     | right  | 0.890    | 1.023          | 0.910             | 0.346     | 0.354              |        |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 21.00                       | 20.68                 | 0.21             | Body     | 0 mm    | Ant 2a          | DLXZT004P57G         | 2               | 1:4.15     | left   | 0.000    | 1.076          | 0.000             | 0.000     | 0.000              |        |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT    |     |          |         |                             |                       |                  |          |         |                 |                      |                 |            |        |          |                |                   |           |                    |        |
| Spatial Peak                             |     |          |         |                             |                       |                  |          |         |                 | Body                 |                 |            |        |          |                |                   |           |                    |        |
| Uncontrolled Exposure/General Population |     |          |         |                             |                       |                  |          |         |                 | 1.6 W/kg (mW/g)      |                 |            |        |          |                |                   |           |                    |        |
|                                          |     |          |         |                             |                       |                  |          |         |                 | averaged over 1 gram |                 |            |        |          |                |                   |           |                    |        |

|                                         |                                                                                     |                            |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  | SAR EVALUATION REPORT      | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                              | DUT Type:<br>Tablet Device | Page 226 of 284                 |

**Table 10-4**  
**GPRS 1900 MHz Ant 2b Body SAR**

| MEASUREMENT RESULTS                                   |     |          |         |                             |                       |                  |          |                                                 |                 |                      |                 |            |        |                    |                |                             |                    |                             |        |
|-------------------------------------------------------|-----|----------|---------|-----------------------------|-----------------------|------------------|----------|-------------------------------------------------|-----------------|----------------------|-----------------|------------|--------|--------------------|----------------|-----------------------------|--------------------|-----------------------------|--------|
| FREQUENCY                                             |     | Mode     | Service | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Drift (dB) | Position | Spacing                                         | Antenna Config. | Device Serial Number | # of Time Slots | Duty Cycle | Side   | SAR (lg)<br>(W/kg) | Scaling Factor | Reported SAR (lg)<br>(W/kg) | SAR (lg)<br>(W/kg) | Reported SAR (lg)<br>(W/kg) | Plot # |
| MHz                                                   | Ch. |          |         |                             |                       |                  |          |                                                 |                 |                      |                 |            |        |                    |                |                             |                    |                             |        |
| 1850.20                                               | 512 | GSM 1900 | GPRS    | 20.00                       | 19.78                 | -0.20            | Body     | 0 mm                                            | Ant 2b          | DLXZV00LPQKX         | 2               | 1:4.15     | back   | 0.921              | 1.052          | 0.969                       | 0.376              | 0.396                       |        |
| 1880.00                                               | 661 | GSM 1900 | GPRS    | 20.00                       | 19.84                 | -0.14            | Body     | 0 mm                                            | Ant 2b          | DLXZV00LPQKX         | 2               | 1:4.15     | back   | 0.904              | 1.038          | 0.938                       | 0.367              | 0.381                       |        |
| 1909.80                                               | 810 | GSM 1900 | GPRS    | 20.00                       | 19.90                 | -0.21            | Body     | 0 mm                                            | Ant 2b          | DLXZV00LPQKX         | 2               | 1:4.15     | back   | 0.963              | 1.023          | 1.006                       | 0.397              | 0.406                       | A2     |
| 1880.00                                               | 661 | GSM 1900 | GPRS    | 20.00                       | 19.84                 | 0.20             | Body     | 0 mm                                            | Ant 2b          | DLXZV00LPQKX         | 2               | 1:4.15     | top    | 0.001              | 1.038          | 0.001                       | 0.001              | 0.001                       |        |
| 1880.00                                               | 661 | GSM 1900 | GPRS    | 20.00                       | 19.84                 | -0.09            | Body     | 0 mm                                            | Ant 2b          | DLXZV00LPQKX         | 2               | 1:4.15     | bottom | 0.535              | 1.038          | 0.555                       | 0.218              | 0.226                       |        |
| 1880.00                                               | 661 | GSM 1900 | GPRS    | 20.00                       | 19.84                 | 0.14             | Body     | 0 mm                                            | Ant 2b          | DLXZV00LPQKX         | 2               | 1:4.15     | right  | 0.023              | 1.038          | 0.024                       | 0.011              | 0.011                       |        |
| 1880.00                                               | 661 | GSM 1900 | GPRS    | 20.00                       | 19.84                 | 0.21             | Body     | 0 mm                                            | Ant 2b          | DLXZV00LPQKX         | 2               | 1:4.15     | left   | 0.010              | 1.038          | 0.010                       | 0.005              | 0.005                       |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |     |          |         |                             |                       |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |                      |                 |            |        |                    |                |                             |                    |                             |        |
| Uncontrolled Exposure/General Population              |     |          |         |                             |                       |                  |          |                                                 |                 |                      |                 |            |        |                    |                |                             |                    |                             |        |

**Table 10-5**  
**GPRS 1900 MHz Ant 4a Body SAR**

| MEASUREMENT RESULTS                      |     |          |         |                             |                       |                  |          |                      |                 |                      |                 |            |        |                 |                |                          |                  |                           |        |
|------------------------------------------|-----|----------|---------|-----------------------------|-----------------------|------------------|----------|----------------------|-----------------|----------------------|-----------------|------------|--------|-----------------|----------------|--------------------------|------------------|---------------------------|--------|
| FREQUENCY                                |     | Mode     | Service | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Drift (dB) | Position | Spacing              | Antenna Config. | Device Serial Number | # of Time Slots | Duty Cycle | Side   | SAR (1g) (W/kg) | Scaling Factor | Reported SAR (1g) (W/kg) | SAR (10g) (W/kg) | Reported SAR (10g) (W/kg) | Plot # |
| MHz                                      | Ch. |          |         |                             |                       |                  |          |                      |                 |                      |                 |            |        |                 |                |                          |                  |                           |        |
| 1850.20                                  | 512 | GSM 1900 | GPRS    | 20.30                       | 20.07                 | -0.12            | Body     | 0 mm                 | Ant 4a          | DLXZV01JPQKX         | 2               | 1:4.15     | back   | 0.951           | 1.054          | 1.002                    | 0.449            | 0.473                     |        |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 20.30                       | 20.11                 | -0.03            | Body     | 0 mm                 | Ant 4a          | DLXZV01JPQKX         | 2               | 1:4.15     | back   | 0.891           | 1.045          | 0.931                    | 0.424            | 0.443                     |        |
| 1909.80                                  | 810 | GSM 1900 | GPRS    | 20.30                       | 20.30                 | -0.04            | Body     | 0 mm                 | Ant 4a          | DLXZV01JPQKX         | 2               | 1:4.15     | back   | 0.897           | 1.000          | 0.897                    | 0.420            | 0.420                     |        |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 20.30                       | 20.11                 | 0.00             | Body     | 0 mm                 | Ant 4a          | DLXZV01JPQKX         | 2               | 1:4.15     | top    | 0.188           | 1.045          | 0.196                    | 0.071            | 0.074                     |        |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 20.30                       | 20.11                 | -0.11            | Body     | 0 mm                 | Ant 4a          | DLXZV01JPQKX         | 2               | 1:4.15     | bottom | 0.010           | 1.045          | 0.010                    | 0.004            | 0.004                     |        |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 20.30                       | 20.11                 | 0.21             | Body     | 0 mm                 | Ant 4a          | DLXZV01JPQKX         | 2               | 1:4.15     | right  | 0.000           | 1.045          | 0.000                    | 0.000            | 0.000                     |        |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 20.30                       | 20.11                 | 0.00             | Body     | 0 mm                 | Ant 4a          | DLXZV01JPQKX         | 2               | 1:4.15     | left   | 0.752           | 1.045          | 0.786                    | 0.298            | 0.311                     |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |          |         |                             |                       |                  |          | Body                 |                 |                      |                 |            |        |                 |                |                          |                  |                           |        |
| Spatial Peak                             |     |          |         |                             |                       |                  |          | 1.6 W/kg (mW/g)      |                 |                      |                 |            |        |                 |                |                          |                  |                           |        |
| Uncontrolled Exposure/General Population |     |          |         |                             |                       |                  |          | averaged over 1 gram |                 |                      |                 |            |        |                 |                |                          |                  |                           |        |

**Table 10-6**  
**GPRS 1900 MHz Ant 4b Body SAR**

| MEASUREMENT RESULTS                      |     |          |         |                             |                       |                  |          |                      |                 |                      |                 |            |        |                 |                |                          |                  |                           |        |
|------------------------------------------|-----|----------|---------|-----------------------------|-----------------------|------------------|----------|----------------------|-----------------|----------------------|-----------------|------------|--------|-----------------|----------------|--------------------------|------------------|---------------------------|--------|
| FREQUENCY                                |     | Mode     | Service | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Drift (dB) | Position | Spacing              | Antenna Config. | Device Serial Number | # of Time Slots | Duty Cycle | Side   | SAR (1g) (W/kg) | Scaling Factor | Reported SAR (1g) (W/kg) | SAR (10g) (W/kg) | Reported SAR (10g) (W/kg) | Plot # |
| MHz                                      | Ch. |          |         |                             |                       |                  |          |                      |                 |                      |                 |            |        |                 |                |                          |                  |                           |        |
| 1850.20                                  | 512 | GSM 1900 | GPRS    | 19.50                       | 19.46                 | -0.12            | Body     | 0 mm                 | Ant 4b          | DLXZV00BPQKX         | 2               | 1:4.15     | back   | 0.879           | 1.009          | 0.887                    | 0.341            | 0.344                     |        |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 19.50                       | 19.11                 | -0.18            | Body     | 0 mm                 | Ant 4b          | DLXZV00BPQKX         | 2               | 1:4.15     | back   | 0.860           | 1.094          | 0.941                    | 0.331            | 0.362                     |        |
| 1909.80                                  | 810 | GSM 1900 | GPRS    | 19.50                       | 19.07                 | -0.21            | Body     | 0 mm                 | Ant 4b          | DLXZV00BPQKX         | 2               | 1:4.15     | back   | 0.852           | 1.104          | 0.941                    | 0.325            | 0.359                     |        |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 19.50                       | 19.11                 | -0.04            | Body     | 0 mm                 | Ant 4b          | DLXZV00BPQKX         | 2               | 1:4.15     | top    | 0.400           | 1.094          | 0.438                    | 0.162            | 0.177                     |        |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 19.50                       | 19.11                 | 0.21             | Body     | 0 mm                 | Ant 4b          | DLXZV00BPQKX         | 2               | 1:4.15     | bottom | 0.000           | 1.094          | 0.000                    | 0.000            | 0.000                     |        |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 19.50                       | 19.11                 | 0.21             | Body     | 0 mm                 | Ant 4b          | DLXZV00BPQKX         | 2               | 1:4.15     | right  | 0.004           | 1.094          | 0.004                    | 0.001            | 0.001                     |        |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 19.50                       | 19.11                 | 0.21             | Body     | 0 mm                 | Ant 4b          | DLXZV00BPQKX         | 2               | 1:4.15     | left   | 0.017           | 1.094          | 0.019                    | 0.007            | 0.008                     |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |          |         |                             |                       |                  |          | Body                 |                 |                      |                 |            |        |                 |                |                          |                  |                           |        |
| Spatial Peak                             |     |          |         |                             |                       |                  |          | 1.6 W/kg (mW/g)      |                 |                      |                 |            |        |                 |                |                          |                  |                           |        |
| Uncontrolled Exposure/General Population |     |          |         |                             |                       |                  |          | averaged over 1 gram |                 |                      |                 |            |        |                 |                |                          |                  |                           |        |

**Table 10-7**  
**UMTS 850 MHz Ant 1 Body SAR**

| MEASUREMENT RESULTS                      |      |          |         |                             |                       |                  |          |                      |                 |                      |            |        |          |                |                   |          |                   |        |
|------------------------------------------|------|----------|---------|-----------------------------|-----------------------|------------------|----------|----------------------|-----------------|----------------------|------------|--------|----------|----------------|-------------------|----------|-------------------|--------|
| FREQUENCY                                |      | Mode     | Service | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Drift (dB) | Position | Spacing              | Antenna Config. | Device Serial Number | Duty Cycle | Side   | SAR (lg) | Scaling Factor | Reported SAR (lg) | SAR (lg) | Reported SAR (lg) | Plot # |
| MHz                                      | Ch.  |          |         |                             |                       |                  |          |                      |                 |                      |            |        | (W/kg)   |                | (W/kg)            | (W/kg)   | (W/kg)            |        |
| 826.40                                   | 4132 | UMTS 850 | RMC     | 20.70                       | 20.49                 | -0.20            | Body     | 0 mm                 | Ant 1           | DLXZV004PQM6         | 1:1        | back   | 0.980    | 1.050          | 1.029             | 0.359    | 0.377             |        |
| 836.60                                   | 4183 | UMTS 850 | RMC     | 20.70                       | 20.68                 | -0.20            | Body     | 0 mm                 | Ant 1           | DLXZV004PQM6         | 1:1        | back   | 1.010    | 1.005          | 1.015             | 0.376    | 0.378             |        |
| 846.60                                   | 4233 | UMTS 850 | RMC     | 20.70                       | 20.55                 | -0.18            | Body     | 0 mm                 | Ant 1           | DLXZV004PQM6         | 1:1        | back   | 0.964    | 1.035          | 0.998             | 0.356    | 0.368             |        |
| 836.60                                   | 4183 | UMTS 850 | RMC     | 20.70                       | 20.68                 | -0.12            | Body     | 0 mm                 | Ant 1           | DLXZV004PQM6         | 1:1        | top    | 0.042    | 1.005          | 0.042             | 0.019    | 0.019             |        |
| 836.60                                   | 4183 | UMTS 850 | RMC     | 20.70                       | 20.68                 | -0.06            | Body     | 0 mm                 | Ant 1           | DLXZV004PQM6         | 1:1        | bottom | 0.454    | 1.005          | 0.456             | 0.151    | 0.152             |        |
| 836.60                                   | 4183 | UMTS 850 | RMC     | 20.70                       | 20.68                 | 0.04             | Body     | 0 mm                 | Ant 1           | DLXZV004PQM6         | 1:1        | right  | 0.008    | 1.005          | 0.008             | 0.004    | 0.004             |        |
| 826.40                                   | 4132 | UMTS 850 | RMC     | 20.70                       | 20.49                 | 0.20             | Body     | 0 mm                 | Ant 1           | DLXZV004PQM6         | 1:1        | left   | 1.120    | 1.050          | 1.176             | 0.417    | 0.438             | A3     |
| 836.60                                   | 4183 | UMTS 850 | RMC     | 20.70                       | 20.68                 | -0.10            | Body     | 0 mm                 | Ant 1           | DLXZV004PQM6         | 1:1        | left   | 1.110    | 1.005          | 1.116             | 0.418    | 0.418             |        |
| 846.60                                   | 4233 | UMTS 850 | RMC     | 20.70                       | 20.55                 | 0.19             | Body     | 0 mm                 | Ant 1           | DLXZV004PQM6         | 1:1        | left   | 1.060    | 1.035          | 1.097             | 0.401    | 0.415             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |      |          |         |                             |                       |                  |          | Body                 |                 |                      |            |        |          |                |                   |          |                   |        |
| Spatial Peak                             |      |          |         |                             |                       |                  |          | 1.6 W/kg (mW/g)      |                 |                      |            |        |          |                |                   |          |                   |        |
| Uncontrolled Exposure/General Population |      |          |         |                             |                       |                  |          | averaged over 1 gram |                 |                      |            |        |          |                |                   |          |                   |        |

|                                         |                                                                                     |                            |                 |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------|---------------------------------|
| FCC ID: BCGA2232                        |  | SAR EVALUATION REPORT      |                 | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                              | DUT Type:<br>Tablet Device | Page 227 of 284 |                                 |

**Table 10-8**  
**UMTS 850 MHz Ant 3 Body SAR**

| MEASUREMENT RESULTS                                                                               |      |          |         |                             |                       |                 |          |         |                 |                      |            |                                                 |          |                |                   |           |                    |        |
|---------------------------------------------------------------------------------------------------|------|----------|---------|-----------------------------|-----------------------|-----------------|----------|---------|-----------------|----------------------|------------|-------------------------------------------------|----------|----------------|-------------------|-----------|--------------------|--------|
| FREQUENCY                                                                                         |      | Mode     | Service | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Dntr (dB) | Position | Spacing | Antenna Config. | Device Serial Number | Duty Cycle | Side                                            | SAR (lg) | Scaling Factor | Reported SAR (lg) | SAR (10g) | Reported SAR (10g) | Plot # |
| MHz                                                                                               | Ch.  |          |         |                             |                       |                 |          |         |                 |                      |            |                                                 | (W/kg)   |                | (W/kg)            | (W/kg)    |                    |        |
| 826.40                                                                                            | 4132 | UMTS 850 | RMC     | 21.80                       | 20.85                 | 0.06            | Body     | 0 mm    | Ant 3           | DLXZT004P57G         | 1:1        | back                                            | 0.856    | 1.245          | 1.066             | 0.458     | 0.570              |        |
| 836.60                                                                                            | 4183 | UMTS 850 | RMC     | 21.80                       | 20.80                 | 0.05            | Body     | 0 mm    | Ant 3           | DLXZT004P57G         | 1:1        | back                                            | 0.750    | 1.259          | 0.944             | 0.400     | 0.504              |        |
| 846.60                                                                                            | 4233 | UMTS 850 | RMC     | 21.80                       | 20.81                 | 0.04            | Body     | 0 mm    | Ant 3           | DLXZT004P57G         | 1:1        | back                                            | 0.736    | 1.256          | 0.924             | 0.391     | 0.491              |        |
| 836.60                                                                                            | 4183 | UMTS 850 | RMC     | 21.80                       | 20.80                 | -0.09           | Body     | 0 mm    | Ant 3           | DLXZT004P57G         | 1:1        | top                                             | 0.434    | 1.259          | 0.546             | 0.148     | 0.186              |        |
| 836.60                                                                                            | 4183 | UMTS 850 | RMC     | 21.80                       | 20.80                 | -0.20           | Body     | 0 mm    | Ant 3           | DLXZT004P57G         | 1:1        | bottom                                          | 0.028    | 1.259          | 0.035             | 0.013     | 0.016              |        |
| 826.40                                                                                            | 4132 | UMTS 850 | RMC     | 21.80                       | 20.85                 | -0.04           | Body     | 0 mm    | Ant 3           | DLXZT004P57G         | 1:1        | right                                           | 0.824    | 1.245          | 1.026             | 0.322     | 0.401              |        |
| 836.60                                                                                            | 4183 | UMTS 850 | RMC     | 21.80                       | 20.80                 | -0.05           | Body     | 0 mm    | Ant 3           | DLXZT004P57G         | 1:1        | right                                           | 0.886    | 1.259          | 1.115             | 0.333     | 0.419              |        |
| 846.60                                                                                            | 4233 | UMTS 850 | RMC     | 21.80                       | 20.81                 | -0.03           | Body     | 0 mm    | Ant 3           | DLXZT004P57G         | 1:1        | right                                           | 0.879    | 1.256          | 1.104             | 0.334     | 0.420              |        |
| 836.60                                                                                            | 4183 | UMTS 850 | RMC     | 21.80                       | 20.80                 | -0.20           | Body     | 0 mm    | Ant 3           | DLXZT004P57G         | 1:1        | left                                            | 0.008    | 1.259          | 0.010             | 0.004     | 0.005              |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |      |          |         |                             |                       |                 |          |         |                 |                      |            | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |          |                |                   |           |                    |        |

**Table 10-9**  
**UMTS 1750 MHz Ant 2a Body SAR**

| MEASUREMENT RESULTS                      |      |           |         |                             |                       |                 |          |         |                 |                      |            |        |          |                |                   |                  |                    |        |
|------------------------------------------|------|-----------|---------|-----------------------------|-----------------------|-----------------|----------|---------|-----------------|----------------------|------------|--------|----------|----------------|-------------------|------------------|--------------------|--------|
| FREQUENCY                                |      | Mode      | Service | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Dntr (dB) | Position | Spacing | Antenna Config. | Device Serial Number | Duty Cycle | Side   | SAR (lg) | Scaling Factor | Reported SAR (lg) | SAR (10g) (W/kg) | Reported SAR (10g) | Plot # |
| MHz                                      | Ch.  |           |         |                             |                       |                 |          |         |                 |                      |            |        | (W/kg)   |                | (W/kg)            |                  | (W/kg)             |        |
| 1712.40                                  | 1312 | UMTS 1750 | RMC     | 15.90                       | 15.62                 | -0.01           | Body     | 0 mm    | Ant 2a          | DLXZT004P57G         | 1:1        | back   | 0.905    | 1.067          | 0.966             | 0.416            | 0.444              |        |
| 1732.40                                  | 1412 | UMTS 1750 | RMC     | 15.90                       | 15.41                 | -0.05           | Body     | 0 mm    | Ant 2a          | DLXZT004P57G         | 1:1        | back   | 0.885    | 1.119          | 0.990             | 0.409            | 0.458              |        |
| 1752.60                                  | 1513 | UMTS 1750 | RMC     | 15.90                       | 15.58                 | -0.03           | Body     | 0 mm    | Ant 2a          | DLXZT004P57G         | 1:1        | back   | 0.989    | 1.076          | 1.064             | 0.452            | 0.486              |        |
| 1732.40                                  | 1412 | UMTS 1750 | RMC     | 15.90                       | 15.41                 | 0.00            | Body     | 0 mm    | Ant 2a          | DLXZT004P57G         | 1:1        | top    | 0.011    | 1.119          | 0.012             | 0.004            | 0.004              |        |
| 1732.40                                  | 1412 | UMTS 1750 | RMC     | 15.90                       | 15.41                 | -0.08           | Body     | 0 mm    | Ant 2a          | DLXZT004P57G         | 1:1        | bottom | 0.209    | 1.119          | 0.234             | 0.081            | 0.091              |        |
| 1712.40                                  | 1312 | UMTS 1750 | RMC     | 15.90                       | 15.62                 | 0.11            | Body     | 0 mm    | Ant 2a          | DLXZT004P57G         | 1:1        | right  | 0.866    | 1.067          | 0.924             | 0.360            | 0.384              |        |
| 1732.40                                  | 1412 | UMTS 1750 | RMC     | 15.90                       | 15.41                 | 0.12            | Body     | 0 mm    | Ant 2a          | DLXZT004P57G         | 1:1        | right  | 0.812    | 1.119          | 0.909             | 0.337            | 0.377              |        |
| 1752.60                                  | 1513 | UMTS 1750 | RMC     | 15.90                       | 15.58                 | 0.09            | Body     | 0 mm    | Ant 2a          | DLXZT004P57G         | 1:1        | right  | 0.912    | 1.076          | 0.981             | 0.373            | 0.401              |        |
| 1732.40                                  | 1412 | UMTS 1750 | RMC     | 15.90                       | 15.41                 | -0.13           | Body     | 0 mm    | Ant 2a          | DLXZT004P57G         | 1:1        | left   | 0.000    | 1.119          | 0.000             | 0.000            | 0.000              |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |      |           |         |                             |                       |                 |          |         |                 | Body                 |            |        |          |                |                   |                  |                    |        |
| Spatial Peak                             |      |           |         |                             |                       |                 |          |         |                 | 1.6 W/kg (mW/g)      |            |        |          |                |                   |                  |                    |        |
| Uncontrolled Exposure/General Population |      |           |         |                             |                       |                 |          |         |                 | averaged over 1 gram |            |        |          |                |                   |                  |                    |        |

**Table 10-10**  
**UMTS 1750 MHz Ant 2b Body SAR**

| MEASUREMENT RESULTS                      |      |           |         |                             |                       |                 |          |         |                 |                      |            |        |                      |                |                   |           |                    |        |
|------------------------------------------|------|-----------|---------|-----------------------------|-----------------------|-----------------|----------|---------|-----------------|----------------------|------------|--------|----------------------|----------------|-------------------|-----------|--------------------|--------|
| FREQUENCY                                |      | Mode      | Service | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Dntr (dB) | Position | Spacing | Antenna Config. | Device Serial Number | Duty Cycle | Side   | SAR (lg)             | Scaling Factor | Reported SAR (lg) | SAR (10g) | Reported SAR (10g) | Plot # |
| MHz                                      | Ch.  |           |         |                             |                       |                 |          |         |                 |                      |            |        | (W/kg)               |                | (W/kg)            | (W/kg)    |                    |        |
| 1712.40                                  | 1312 | UMTS 1750 | RMC     | 15.10                       | 14.90                 | -0.05           | Body     | 0 mm    | Ant 2b          | DLXZT004P57G         | 1:1        | back   | 1.080                | 1.047          | 1.131             | 0.425     | 0.445              | A4     |
| 1732.40                                  | 1412 | UMTS 1750 | RMC     | 15.10                       | 14.94                 | -0.04           | Body     | 0 mm    | Ant 2b          | DLXZT004P57G         | 1:1        | back   | 0.978                | 1.038          | 1.015             | 0.383     | 0.398              |        |
| 1752.60                                  | 1513 | UMTS 1750 | RMC     | 15.10                       | 14.64                 | -0.02           | Body     | 0 mm    | Ant 2b          | DLXZT004P57G         | 1:1        | back   | 0.989                | 1.112          | 1.100             | 0.387     | 0.430              |        |
| 1732.40                                  | 1412 | UMTS 1750 | RMC     | 15.10                       | 14.94                 | 0.20            | Body     | 0 mm    | Ant 2b          | DLXZT004P57G         | 1:1        | top    | 0.003                | 1.038          | 0.003             | 0.001     | 0.001              |        |
| 1732.40                                  | 1412 | UMTS 1750 | RMC     | 15.10                       | 14.94                 | 0.02            | Body     | 0 mm    | Ant 2b          | DLXZT004P57G         | 1:1        | bottom | 0.609                | 1.038          | 0.632             | 0.236     | 0.245              |        |
| 1732.40                                  | 1412 | UMTS 1750 | RMC     | 15.10                       | 14.94                 | 0.05            | Body     | 0 mm    | Ant 2b          | DLXZT004P57G         | 1:1        | right  | 0.073                | 1.038          | 0.076             | 0.028     | 0.029              |        |
| 1732.40                                  | 1412 | UMTS 1750 | RMC     | 15.10                       | 14.94                 | 0.21            | Body     | 0 mm    | Ant 2b          | DLXZT004P57G         | 1:1        | left   | 0.010                | 1.038          | 0.010             | 0.005     | 0.005              |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |      |           |         |                             |                       |                 |          |         |                 |                      |            |        | Body                 |                |                   |           |                    |        |
| Spatial Peak                             |      |           |         |                             |                       |                 |          |         |                 |                      |            |        | 1.6 W/kg (mW/g)      |                |                   |           |                    |        |
| Uncontrolled Exposure/General Population |      |           |         |                             |                       |                 |          |         |                 |                      |            |        | averaged over 1 gram |                |                   |           |                    |        |

**Table 10-11**  
**UMTS 1750 MHz Ant 4a Body SAR**

| MEASUREMENT RESULTS                      |      |           |         |                             |                       |                 |          |         |                 |                      |            |                      |          |                |              |           |              |        |
|------------------------------------------|------|-----------|---------|-----------------------------|-----------------------|-----------------|----------|---------|-----------------|----------------------|------------|----------------------|----------|----------------|--------------|-----------|--------------|--------|
| FREQUENCY                                |      | Mode      | Service | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Dntr (dB) | Position | Spacing | Antenna Config. | Device Serial Number | Duty Cycle | Side                 | SAR (lg) | Scaling Factor | Reported SAR | SAR (10g) | Reported SAR | Plot # |
| MHz                                      | Ch.  |           |         |                             |                       |                 |          |         |                 |                      |            |                      | (W/kg)   |                | (lg)         | (W/kg)    | (lg)         |        |
| 1712.40                                  | 1312 | UMTS 1750 | RMC     | 14.80                       | 14.58                 | -0.12           | Body     | 0 mm    | Ant 4a          | DLXZV00BPQKX         | 1:1        | back                 | 1.070    | 1.052          | 1.126        | 0.508     | 0.534        |        |
| 1732.40                                  | 1412 | UMTS 1750 | RMC     | 14.80                       | 14.69                 | -0.12           | Body     | 0 mm    | Ant 4a          | DLXZV00BPQKX         | 1:1        | back                 | 1.070    | 1.026          | 1.098        | 0.509     | 0.522        |        |
| 1752.60                                  | 1513 | UMTS 1750 | RMC     | 14.80                       | 14.53                 | -0.13           | Body     | 0 mm    | Ant 4a          | DLXZV00BPQKX         | 1:1        | back                 | 1.060    | 1.064          | 1.128        | 0.500     | 0.532        |        |
| 1732.40                                  | 1412 | UMTS 1750 | RMC     | 14.80                       | 14.69                 | -0.15           | Body     | 0 mm    | Ant 4a          | DLXZV00BPQKX         | 1:1        | top                  | 0.258    | 1.026          | 0.265        | 0.096     | 0.098        |        |
| 1732.40                                  | 1412 | UMTS 1750 | RMC     | 14.80                       | 14.69                 | 0.12            | Body     | 0 mm    | Ant 4a          | DLXZV00BPQKX         | 1:1        | bottom               | 0.012    | 1.026          | 0.012        | 0.005     | 0.005        |        |
| 1732.40                                  | 1412 | UMTS 1750 | RMC     | 14.80                       | 14.69                 | 0.21            | Body     | 0 mm    | Ant 4a          | DLXZV00BPQKX         | 1:1        | right                | 0.000    | 1.026          | 0.000        | 0.000     | 0.000        |        |
| 1712.40                                  | 1312 | UMTS 1750 | RMC     | 14.80                       | 14.58                 | 0.02            | Body     | 0 mm    | Ant 4a          | DLXZV00BPQKX         | 1:1        | left                 | 0.791    | 1.052          | 0.832        | 0.326     | 0.343        |        |
| 1732.40                                  | 1412 | UMTS 1750 | RMC     | 14.80                       | 14.69                 | -0.03           | Body     | 0 mm    | Ant 4a          | DLXZV00BPQKX         | 1:1        | left                 | 0.921    | 1.026          | 0.945        | 0.365     | 0.374        |        |
| 1752.60                                  | 1513 | UMTS 1750 | RMC     | 14.80                       | 14.53                 | 0.20            | Body     | 0 mm    | Ant 4a          | DLXZV00BPQKX         | 1:1        | left                 | 0.873    | 1.064          | 0.929        | 0.357     | 0.380        |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |      |           |         |                             |                       |                 |          |         |                 |                      |            | Body                 |          |                |              |           |              |        |
| Spatial Peak                             |      |           |         |                             |                       |                 |          |         |                 |                      |            | 1.6 W/kg (mW/g)      |          |                |              |           |              |        |
| Uncontrolled Exposure/General Population |      |           |         |                             |                       |                 |          |         |                 |                      |            | averaged over 1 gram |          |                |              |           |              |        |

|                                         |                                                                                     |                            |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  | SAR EVALUATION REPORT      | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                              | DUT Type:<br>Tablet Device | Page 228 of 284                 |

**Table 10-12**  
**UMTS 1750 MHz Ant 4b Body SAR**

| MEASUREMENT RESULTS                      |      |           |         |                             |                       |                 |          |         |                      |                      |            |        |          |                |                   |          |                   |        |
|------------------------------------------|------|-----------|---------|-----------------------------|-----------------------|-----------------|----------|---------|----------------------|----------------------|------------|--------|----------|----------------|-------------------|----------|-------------------|--------|
| FREQUENCY                                |      | Mode      | Service | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Diff (dB) | Position | Spacing | Antenna Config.      | Device Serial Number | Duty Cycle | Side   | SAR (Ia) | Scaling Factor | Reported SAR (Ia) | SAR (Ia) | Reported SAR (Ia) | Plot # |
| MHz                                      | Ch.  |           |         |                             |                       |                 |          |         |                      |                      |            |        | (W/kg)   |                | (W/kg)            | (W/kg)   |                   |        |
| 1712.40                                  | 1312 | UMTS 1750 | RMC     | 13.50                       | 13.30                 | -0.08           | Body     | 0 mm    | Ant 4b               | DLXZ00BPQKX          | 1:1        | back   | 0.869    | 1.047          | 0.910             | 0.338    | 0.354             |        |
| 1732.40                                  | 1412 | UMTS 1750 | RMC     | 13.50                       | 13.31                 | -0.07           | Body     | 0 mm    | Ant 4b               | DLXZ00BPQKX          | 1:1        | back   | 0.872    | 1.045          | 0.911             | 0.337    | 0.352             |        |
| 1752.60                                  | 1513 | UMTS 1750 | RMC     | 13.50                       | 13.27                 | -0.06           | Body     | 0 mm    | Ant 4b               | DLXZ00BPQKX          | 1:1        | back   | 0.917    | 1.054          | 0.967             | 0.354    | 0.373             |        |
| 1732.40                                  | 1412 | UMTS 1750 | RMC     | 13.50                       | 13.31                 | -0.07           | Body     | 0 mm    | Ant 4b               | DLXZ00BPQKX          | 1:1        | top    | 0.620    | 1.045          | 0.648             | 0.243    | 0.254             |        |
| 1732.40                                  | 1412 | UMTS 1750 | RMC     | 13.50                       | 13.31                 | -0.21           | Body     | 0 mm    | Ant 4b               | DLXZ00BPQKX          | 1:1        | bottom | 0.000    | 1.045          | 0.000             | 0.000    | 0.000             |        |
| 1732.40                                  | 1412 | UMTS 1750 | RMC     | 13.50                       | 13.31                 | -0.21           | Body     | 0 mm    | Ant 4b               | DLXZ00BPQKX          | 1:1        | right  | 0.002    | 1.045          | 0.002             | 0.000    | 0.000             |        |
| 1732.40                                  | 1412 | UMTS 1750 | RMC     | 13.50                       | 13.31                 | 0.21            | Body     | 0 mm    | Ant 4b               | DLXZ00BPQKX          | 1:1        | left   | 0.028    | 1.045          | 0.029             | 0.011    | 0.011             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |      |           |         |                             |                       |                 |          |         | Body                 |                      |            |        |          |                |                   |          |                   |        |
| Spatial Peak                             |      |           |         |                             |                       |                 |          |         | 1.6 W/kg (mW/g)      |                      |            |        |          |                |                   |          |                   |        |
| Uncontrolled Exposure/General Population |      |           |         |                             |                       |                 |          |         | averaged over 1 gram |                      |            |        |          |                |                   |          |                   |        |

**Table 10-13**  
**UMTS 1900 MHz Ant 2a Body SAR**

| MEASUREMENT RESULTS                      |      |           |         |                                   |                          |                    |          |         |                    |                         |               |        |          |                   |              |          |              |        |  |
|------------------------------------------|------|-----------|---------|-----------------------------------|--------------------------|--------------------|----------|---------|--------------------|-------------------------|---------------|--------|----------|-------------------|--------------|----------|--------------|--------|--|
| FREQUENCY                                |      | Mode      | Service | Maximum<br>Allowed<br>Power (dBm) | Conducted<br>Power (dBm) | Power<br>Diff (dB) | Position | Spacing | Antenna<br>Config. | Device Serial<br>Number | Duty<br>Cycle | Side   | SAR (Ia) | Scaling<br>Factor | Reported SAR | SAR (Ia) | Reported SAR | Plot # |  |
| Mhz                                      | Ch.  |           |         |                                   |                          |                    |          |         |                    |                         |               |        | (W/kg)   |                   | (W/kg)       | (W/kg)   |              |        |  |
| 1852.40                                  | 9262 | UMTS 1900 | RMC     | 15.00                             | 14.63                    | -0.02              | Body     | 0 mm    | Ant 2a             | DLXZT004P57G            | 1:1           | back   | 1.010    | 1.089             | 1.100        | 0.498    | 0.542        |        |  |
| 1880.00                                  | 9400 | UMTS 1900 | RMC     | 15.00                             | 14.62                    | -0.01              | Body     | 0 mm    | Ant 2a             | DLXZT004P57G            | 1:1           | back   | 1.040    | 1.091             | 1.135        | 0.506    | 0.552        |        |  |
| 1907.60                                  | 9538 | UMTS 1900 | RMC     | 15.00                             | 14.93                    | -0.06              | Body     | 0 mm    | Ant 2a             | DLXZT004P57G            | 1:1           | back   | 1.140    | 1.016             | 1.158        | 0.552    | 0.561        |        |  |
| 1880.00                                  | 9400 | UMTS 1900 | RMC     | 15.00                             | 14.62                    | -0.05              | Body     | 0 mm    | Ant 2a             | DLXZT004P57G            | 1:1           | top    | 0.014    | 1.091             | 0.015        | 0.006    | 0.007        |        |  |
| 1880.00                                  | 9400 | UMTS 1900 | RMC     | 15.00                             | 14.62                    | -0.10              | Body     | 0 mm    | Ant 2a             | DLXZT004P57G            | 1:1           | bottom | 0.367    | 1.091             | 0.400        | 0.138    | 0.151        |        |  |
| 1852.40                                  | 9262 | UMTS 1900 | RMC     | 15.00                             | 14.63                    | -0.04              | Body     | 0 mm    | Ant 2a             | DLXZT004P57G            | 1:1           | right  | 0.837    | 1.089             | 0.911        | 0.337    | 0.367        |        |  |
| 1880.00                                  | 9400 | UMTS 1900 | RMC     | 15.00                             | 14.62                    | -0.03              | Body     | 0 mm    | Ant 2a             | DLXZT004P57G            | 1:1           | right  | 0.857    | 1.091             | 0.935        | 0.349    | 0.381        |        |  |
| 1907.60                                  | 9538 | UMTS 1900 | RMC     | 15.00                             | 14.93                    | -0.02              | Body     | 0 mm    | Ant 2a             | DLXZT004P57G            | 1:1           | right  | 0.929    | 1.016             | 0.944        | 0.371    | 0.377        |        |  |
| 1880.00                                  | 9400 | UMTS 1900 | RMC     | 15.00                             | 14.62                    | -0.20              | Body     | 0 mm    | Ant 2a             | DLXZT004P57G            | 1:1           | left   | 0.000    | 1.091             | 0.000        | 0.000    | 0.000        |        |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |      |           |         |                                   |                          |                    |          |         |                    | Body                    |               |        |          |                   |              |          |              |        |  |
| Spatial Peak                             |      |           |         |                                   |                          |                    |          |         |                    | 1.6 W/kg (mW/g)         |               |        |          |                   |              |          |              |        |  |
| Uncontrolled Exposure/General Population |      |           |         |                                   |                          |                    |          |         |                    | averaged over 1 gram    |               |        |          |                   |              |          |              |        |  |

**Table 10-14**  
**UMTS 1900 MHz Ant 2b Body SAR**

| MEASUREMENT RESULTS                      |      |           |         |                             |                       |                 |          |         |                 |                      |                 |            |        |                      |                |                          |                  |                           |        |
|------------------------------------------|------|-----------|---------|-----------------------------|-----------------------|-----------------|----------|---------|-----------------|----------------------|-----------------|------------|--------|----------------------|----------------|--------------------------|------------------|---------------------------|--------|
| FREQUENCY                                |      | Mode      | Service | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Diff (dB) | Position | Spacing | Antenna Config. | Device Serial Number | # of Time Slots | Duty Cycle | Side   | SAR (1g)             | Scaling Factor | Reported SAR (1g) (W/kg) | SAR (10g) (W/kg) | Reported SAR (10g) (W/kg) | Plot # |
| MHz                                      | Ch.  |           |         |                             |                       |                 |          |         |                 |                      |                 |            |        | (W/kg)               |                |                          |                  |                           |        |
| 1852.40                                  | 9262 | UMTS 1900 | RMC     | 14.00                       | 13.65                 | -0.16           | Body     | 0 mm    | Ant 2b          | DLXZV00WPQKX         | N/A             | 1:1        | back   | 1.080                | 1.084          | 1.171                    | 0.430            | 0.466                     |        |
| 1880.00                                  | 9400 | UMTS 1900 | RMC     | 14.00                       | 13.80                 | -0.13           | Body     | 0 mm    | Ant 2b          | DLXZV00WPQKX         | N/A             | 1:1        | back   | 1.100                | 1.047          | 1.152                    | 0.436            | 0.456                     |        |
| 1907.60                                  | 9538 | UMTS 1900 | RMC     | 14.00                       | 13.90                 | -0.15           | Body     | 0 mm    | Ant 2b          | DLXZV00WPQKX         | N/A             | 1:1        | back   | 1.160                | 1.023          | 1.187                    | 0.457            | 0.468                     | AS     |
| 1880.00                                  | 9400 | UMTS 1900 | RMC     | 14.00                       | 13.80                 | 0.21            | Body     | 0 mm    | Ant 2b          | DLXZV00WPQKX         | N/A             | 1:1        | top    | 0.000                | 1.047          | 0.000                    | 0.000            | 0.000                     |        |
| 1880.00                                  | 9400 | UMTS 1900 | RMC     | 14.00                       | 13.80                 | 0.01            | Body     | 0 mm    | Ant 2b          | DLXZV00WPQKX         | N/A             | 1:1        | bottom | 0.688                | 1.047          | 0.720                    | 0.269            | 0.282                     |        |
| 1880.00                                  | 9400 | UMTS 1900 | RMC     | 14.00                       | 13.80                 | -0.02           | Body     | 0 mm    | Ant 2b          | DLXZV00WPQKX         | N/A             | 1:1        | right  | 0.026                | 1.047          | 0.027                    | 0.010            | 0.010                     |        |
| 1880.00                                  | 9400 | UMTS 1900 | RMC     | 14.00                       | 13.80                 | 0.17            | Body     | 0 mm    | Ant 2b          | DLXZV00WPQKX         | N/A             | 1:1        | left   | 0.006                | 1.047          | 0.006                    | 0.002            | 0.002                     |        |
| 1907.60                                  | 9538 | UMTS 1900 | RMC     | 14.00                       | 13.90                 | -0.05           | Body     | 0 mm    | Ant 2b          | DLXZV00WPQKX         | N/A             | 1:1        | back   | 1.050                | 1.023          | 1.074                    | 0.426            | 0.436                     |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |      |           |         |                             |                       |                 |          |         |                 |                      |                 |            |        | Body                 |                |                          |                  |                           |        |
| Spatial Peak                             |      |           |         |                             |                       |                 |          |         |                 |                      |                 |            |        | 1.6 W/kg (mW/g)      |                |                          |                  |                           |        |
| Uncontrolled Exposure/General Population |      |           |         |                             |                       |                 |          |         |                 |                      |                 |            |        | averaged over 1 gram |                |                          |                  |                           |        |

Note: Blue entry represents variability measurement.

**Table 10-15**  
**UMTS 1900 MHz Ant 4a Body SAR**

| MEASUREMENT RESULTS                                                                               |      |           |         |                             |                       |                 |          |         |                                                 |                      |            |        |          |                |                   |          |                   |        |
|---------------------------------------------------------------------------------------------------|------|-----------|---------|-----------------------------|-----------------------|-----------------|----------|---------|-------------------------------------------------|----------------------|------------|--------|----------|----------------|-------------------|----------|-------------------|--------|
| FREQUENCY                                                                                         |      | Mode      | Service | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Diff (dB) | Position | Spacing | Antenna Config.                                 | Device Serial Number | Duty Cycle | Side   | SAR (Ia) | Scaling Factor | Reported SAR (Ia) | SAR (Ia) | Reported SAR (Ia) | Plot # |
| MHz                                                                                               | Ch.  |           |         |                             |                       |                 |          |         |                                                 |                      |            |        | (W/kg)   |                | (W/kg)            | (W/kg)   | (W/kg)            |        |
| 1852.40                                                                                           | 9262 | UMTS 1900 | RMC     | 14.80                       | 14.67                 | 0.01            | Body     | 0 mm    | Ant 4a                                          | DLXZV00WPQKX         | 1:1        | back   | 1.150    | 1.030          | 1.185             | 0.556    | 0.573             |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 14.80                       | 14.63                 | 0.01            | Body     | 0 mm    | Ant 4a                                          | DLXZV00WPQKX         | 1:1        | back   | 1.140    | 1.040          | 1.186             | 0.544    | 0.566             |        |
| 1907.60                                                                                           | 9538 | UMTS 1900 | RMC     | 14.80                       | 14.46                 | 0.01            | Body     | 0 mm    | Ant 4a                                          | DLXZV00WPQKX         | 1:1        | back   | 1.100    | 1.076          | 1.184             | 0.522    | 0.562             |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 14.80                       | 14.63                 | -0.01           | Body     | 0 mm    | Ant 4a                                          | DLXZV00WPQKX         | 1:1        | top    | 0.294    | 1.040          | 0.306             | 0.108    | 0.112             |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 14.80                       | 14.63                 | 0.20            | Body     | 0 mm    | Ant 4a                                          | DLXZV00WPQKX         | 1:1        | bottom | 0.014    | 1.040          | 0.015             | 0.006    | 0.006             |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 14.80                       | 14.63                 | 0.21            | Body     | 0 mm    | Ant 4a                                          | DLXZV00WPQKX         | 1:1        | right  | 0.000    | 1.040          | 0.000             | 0.000    | 0.000             |        |
| 1852.40                                                                                           | 9262 | UMTS 1900 | RMC     | 14.80                       | 14.67                 | 0.01            | Body     | 0 mm    | Ant 4a                                          | DLXZV00WPQKX         | 1:1        | left   | 0.836    | 1.030          | 0.861             | 0.350    | 0.361             |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 14.80                       | 14.63                 | 0.02            | Body     | 0 mm    | Ant 4a                                          | DLXZV00WPQKX         | 1:1        | left   | 0.826    | 1.040          | 0.859             | 0.343    | 0.357             |        |
| 1907.60                                                                                           | 9538 | UMTS 1900 | RMC     | 14.80                       | 14.48                 | 0.01            | Body     | 0 mm    | Ant 4a                                          | DLXZV00WPQKX         | 1:1        | left   | 0.863    | 1.076          | 0.929             | 0.355    | 0.382             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |      |           |         |                             |                       |                 |          |         | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |            |        |          |                |                   |          |                   |        |

|                                         |                                                                                     |                            |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  | SAR EVALUATION REPORT      | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                              | DUT Type:<br>Tablet Device | Page 229 of 284                 |

**Table 10-16**  
**UMTS 1900 MHz Ant 4b Body SAR**

| MEASUREMENT RESULTS                                                                               |      |           |         |                             |                       |                 |          |         |                                                 |                      |            |        |            |                |                     |                  |                           |        |
|---------------------------------------------------------------------------------------------------|------|-----------|---------|-----------------------------|-----------------------|-----------------|----------|---------|-------------------------------------------------|----------------------|------------|--------|------------|----------------|---------------------|------------------|---------------------------|--------|
| FREQUENCY                                                                                         |      | Mode      | Service | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Diff (dB) | Position | Spacing | Antenna Config.                                 | Device Serial Number | Duty Cycle | Side   | SAR (W/kg) | Scaling Factor | Reported SAR (W/kg) | SAR (10g) (W/kg) | Reported SAR (10g) (W/kg) | Plot # |
| MHz                                                                                               | Ch.  |           |         |                             |                       |                 |          |         |                                                 |                      |            |        | (W/kg)     |                | (W/kg)              | (W/kg)           |                           |        |
| 1852.40                                                                                           | 9262 | UMTS 1900 | RMC     | 13.50                       | 13.26                 | -0.20           | Body     | 0 mm    | Ant 4b                                          | DLXZV00BPQKX         | 1:1        | back   | 0.991      | 1.057          | 1.047               | 0.338            | 0.357                     |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 13.50                       | 13.19                 | -0.20           | Body     | 0 mm    | Ant 4b                                          | DLXZV00BPQKX         | 1:1        | back   | 1.020      | 1.074          | 1.095               | 0.395            | 0.424                     |        |
| 1907.60                                                                                           | 9538 | UMTS 1900 | RMC     | 13.50                       | 13.11                 | -0.21           | Body     | 0 mm    | Ant 4b                                          | DLXZV00BPQKX         | 1:1        | back   | 1.040      | 1.094          | 1.138               | 0.403            | 0.441                     |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 13.50                       | 13.19                 | 0.02            | Body     | 0 mm    | Ant 4b                                          | DLXZV00BPQKX         | 1:1        | top    | 0.544      | 1.074          | 0.584               | 0.212            | 0.228                     |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 13.50                       | 13.19                 | -0.21           | Body     | 0 mm    | Ant 4b                                          | DLXZV00BPQKX         | 1:1        | bottom | 0.000      | 1.074          | 0.000               | 0.000            | 0.000                     |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 13.50                       | 13.19                 | 0.19            | Body     | 0 mm    | Ant 4b                                          | DLXZV00BPQKX         | 1:1        | right  | 0.007      | 1.074          | 0.008               | 0.002            | 0.002                     |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 13.50                       | 13.19                 | 0.21            | Body     | 0 mm    | Ant 4b                                          | DLXZV00BPQKX         | 1:1        | left   | 0.024      | 1.074          | 0.026               | 0.010            | 0.011                     |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |      |           |         |                             |                       |                 |          |         | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |            |        |            |                |                     |                  |                           |        |

**Table 10-17**  
**LTE Band 12 Ant 1 Body SAR**

| MEASUREMENT RESULTS                                                                               |       |      |                 |                             |                       |                  |          |                 |                      |                                                 |         |           |         |      |            |            |                |                     |                           |                           |        |    |
|---------------------------------------------------------------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|------------------|----------|-----------------|----------------------|-------------------------------------------------|---------|-----------|---------|------|------------|------------|----------------|---------------------|---------------------------|---------------------------|--------|----|
| FREQUENCY                                                                                         |       | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Diff [dBm] | MPR [dB] | Antenna Config. | Device Serial Number | Modulation                                      | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR [W/kg] | Scaling Factor | Reported SAR [W/kg] | SAR [10g] [W/kg]          | Reported SAR [10g] [W/kg] | Plot # |    |
| MHz                                                                                               | Ch.   |      |                 |                             |                       |                  |          |                 |                      |                                                 |         |           |         |      |            | SAR [W/kg] |                | SAR [10g] [W/kg]    | Reported SAR [10g] [W/kg] |                           |        |    |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 21.05            | 0.02     | 0               | Ant 1                | DLXZV0LPQKX                                     | QPSK    | 1         | 0       | 0 mm | back       | 1:1        | 0.826          | 1.059               | 0.875                     | 0.422                     | 0.447  |    |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 21.15            | -0.01    | 0               | Ant 1                | DLXZV0LPQKX                                     | QPSK    | 25        | 25      | 0 mm | back       | 1:1        | 0.782          | 1.035               | 0.809                     | 0.397                     | 0.411  |    |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 21.02            | -0.01    | 0               | Ant 1                | DLXZV0LPQKX                                     | QPSK    | 50        | 0       | 0 mm | back       | 1:1        | 0.778          | 1.067               | 0.830                     | 0.396                     | 0.421  |    |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12     | 10                          | 18.30                 | 18.13            | -0.20    | 0               | Ant 1                | DLXZV0LPQKX                                     | QPSK    | 1         | 49      | 0 mm | back       | 1:1        | 0.340          | 1.040               | 0.354                     | 0.126                     | 0.131  |    |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12     | 10                          | 18.30                 | 17.99            | -0.20    | 0               | Ant 1                | DLXZV0LPQKX                                     | QPSK    | 25        | 25      | 0 mm | back       | 1:1        | 0.363          | 1.074               | 0.379                     | 0.129                     | 0.139  |    |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 21.05            | 0.10     | 0               | Ant 1                | DLXZV0LPQKX                                     | QPSK    | 1         | 0       | 0 mm | top        | 1:1        | 0.024          | 1.059               | 0.025                     | 0.011                     | 0.012  |    |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 21.15            | -0.05    | 0               | Ant 1                | DLXZV0LPQKX                                     | QPSK    | 25        | 25      | 0 mm | top        | 1:1        | 0.028          | 1.035               | 0.029                     | 0.013                     | 0.013  |    |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 21.05            | -0.05    | 0               | Ant 1                | DLXZV0LPQKX                                     | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1        | 0.551          | 1.059               | 0.584                     | 0.198                     | 0.210  |    |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 21.15            | 0.01     | 0               | Ant 1                | DLXZV0LPQKX                                     | QPSK    | 25        | 25      | 0 mm | bottom     | 1:1        | 0.542          | 1.035               | 0.561                     | 0.194                     | 0.201  |    |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 21.05            | 0.20     | 0               | Ant 1                | DLXZV0LPQKX                                     | QPSK    | 1         | 0       | 0 mm | right      | 1:1        | 0.006          | 1.059               | 0.006                     | 0.004                     | 0.004  |    |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 21.15            | -0.01    | 0               | Ant 1                | DLXZV0LPQKX                                     | QPSK    | 25        | 25      | 0 mm | right      | 1:1        | 0.005          | 1.035               | 0.005                     | 0.002                     | 0.002  |    |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 21.05            | -0.20    | 0               | Ant 1                | DLXZV0LPQKX                                     | QPSK    | 1         | 0       | 0 mm | left       | 1:1        | 1.080          | 1.059               | 1.144                     | 0.326                     | 0.345  | A6 |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 21.15            | -0.18    | 0               | Ant 1                | DLXZV0LPQKX                                     | QPSK    | 25        | 25      | 0 mm | left       | 1:1        | 1.040          | 1.035               | 1.076                     | 0.310                     | 0.321  |    |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 21.02            | -0.19    | 0               | Ant 1                | DLXZV0LPQKX                                     | QPSK    | 50        | 0       | 0 mm | left       | 1:1        | 1.050          | 1.067               | 1.120                     | 0.314                     | 0.335  |    |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12     | 10                          | 18.30                 | 18.13            | 0.08     | 0               | Ant 1                | DLXZV0LPQKX                                     | QPSK    | 1         | 49      | 0 mm | left       | 1:1        | 0.585          | 1.040               | 0.608                     | 0.166                     | 0.173  |    |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12     | 10                          | 18.30                 | 17.99            | 0.05     | 0               | Ant 1                | DLXZV0LPQKX                                     | QPSK    | 25        | 25      | 0 mm | left       | 1:1        | 0.579          | 1.074               | 0.622                     | 0.163                     | 0.175  |    |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 21.05            | 0.00     | 0               | Ant 1                | DLXZV0LPQKX                                     | QPSK    | 1         | 0       | 0 mm | left       | 1:1        | 1.000          | 1.059               | 1.059                     | 0.338                     | 0.353  |    |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |                 |                             |                       |                  |          |                 |                      | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |         |           |         |      |            |            |                |                     |                           |                           |        |    |

Note: Blue entry represents variability measurement.

**Table 10-18**  
**LTE Band 12 Ant 3 Body SAR**

| MEASUREMENT RESULTS                                                                               |       |      |                    |                                   |                          |                    |          |                    |                         |                                                 |         |           |         |      |            |          |                   |                      |                    |                                |        |  |
|---------------------------------------------------------------------------------------------------|-------|------|--------------------|-----------------------------------|--------------------------|--------------------|----------|--------------------|-------------------------|-------------------------------------------------|---------|-----------|---------|------|------------|----------|-------------------|----------------------|--------------------|--------------------------------|--------|--|
| FREQUENCY                                                                                         |       | Mode | Bandwidth<br>(MHz) | Maximum<br>Allowed<br>Power (dBm) | Conducted<br>Power (dBm) | Power<br>Diff (dB) | MPR (dB) | Antenna<br>Config. | Device Serial<br>Number | Modulation                                      | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (dB) | Scaling<br>Factor | Reported SAR<br>(dB) | SAR (10g)<br>(dBm) | Reported SAR<br>(10g)<br>(dBm) | Plot # |  |
| MHz                                                                                               | Ch.   |      |                    |                                   |                          |                    |          |                    |                         |                                                 |         |           |         |      |            | (W/kg)   |                   | (dBm)                | (dBm)              |                                |        |  |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12        | 10                                | 21.80                    | 21.57              | 0.08     | 0                  | Ant 3                   | DLXZT003P57G                                    | QPSK    | 1         | 49      | 0 mm | back       | 1:1      | 0.978             | 1.054                | 1.031              | 0.517                          | 0.545  |  |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12        | 10                                | 21.80                    | 21.49              | 0.07     | 0                  | Ant 3                   | DLXZT003P57G                                    | QPSK    | 25        | 25      | 0 mm | back       | 1:1      | 0.929             | 1.074                | 0.988              | 0.490                          | 0.526  |  |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12        | 10                                | 21.80                    | 21.45              | 0.09     | 0                  | Ant 3                   | DLXZT003P57G                                    | QPSK    | 50        | 0       | 0 mm | back       | 1:1      | 0.956             | 1.084                | 1.036              | 0.502                          | 0.544  |  |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12        | 10                                | 18.80                    | 18.68              | -0.10    | 0                  | Ant 3                   | DLXZT003P57G                                    | QPSK    | 1         | 49      | 0 mm | back       | 1:1      | 0.408             | 1.028                | 0.419              | 0.211                          | 0.217  |  |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12        | 10                                | 18.80                    | 18.49              | -0.15    | 0                  | Ant 3                   | DLXZT003P57G                                    | QPSK    | 25        | 25      | 0 mm | back       | 1:1      | 0.403             | 1.074                | 0.433              | 0.208                          | 0.223  |  |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12        | 10                                | 21.80                    | 21.57              | -0.05    | 0                  | Ant 3                   | DLXZT003P57G                                    | QPSK    | 1         | 49      | 0 mm | top        | 1:1      | 0.686             | 1.054                | 0.723              | 0.254                          | 0.268  |  |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12        | 10                                | 21.80                    | 21.49              | -0.20    | 0                  | Ant 3                   | DLXZT003P57G                                    | QPSK    | 25        | 25      | 0 mm | top        | 1:1      | 0.680             | 1.074                | 0.730              | 0.244                          | 0.262  |  |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12        | 10                                | 21.80                    | 21.57              | -0.14    | 0                  | Ant 3                   | DLXZT003P57G                                    | QPSK    | 1         | 49      | 0 mm | bottom     | 1:1      | 0.026             | 1.054                | 0.027              | 0.014                          | 0.015  |  |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12        | 10                                | 21.80                    | 21.49              | 0.20     | 0                  | Ant 3                   | DLXZT003P57G                                    | QPSK    | 25        | 25      | 0 mm | bottom     | 1:1      | 0.027             | 1.074                | 0.029              | 0.015                          | 0.016  |  |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12        | 10                                | 21.80                    | 21.57              | 0.14     | 0                  | Ant 3                   | DLXZT003P57G                                    | QPSK    | 1         | 49      | 0 mm | right      | 1:1      | 0.851             | 1.054                | 0.887              | 0.313                          | 0.330  |  |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12        | 10                                | 21.80                    | 21.49              | 0.02     | 0                  | Ant 3                   | DLXZT003P57G                                    | QPSK    | 25        | 25      | 0 mm | right      | 1:1      | 0.813             | 1.074                | 0.873              | 0.300                          | 0.322  |  |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12        | 10                                | 21.80                    | 21.45              | 0.04     | 0                  | Ant 3                   | DLXZT003P57G                                    | QPSK    | 50        | 0       | 0 mm | right      | 1:1      | 0.826             | 1.084                | 0.895              | 0.303                          | 0.328  |  |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12        | 10                                | 18.80                    | 18.68              | 0.04     | 0                  | Ant 3                   | DLXZT003P57G                                    | QPSK    | 1         | 49      | 0 mm | right      | 1:1      | 0.442             | 1.028                | 0.454              | 0.142                          | 0.146  |  |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12        | 10                                | 18.80                    | 18.49              | 0.08     | 0                  | Ant 3                   | DLXZT003P57G                                    | QPSK    | 25        | 25      | 0 mm | right      | 1:1      | 0.436             | 1.074                | 0.468              | 0.140                          | 0.150  |  |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12        | 10                                | 21.80                    | 21.57              | -0.20    | 0                  | Ant 3                   | DLXZT003P57G                                    | QPSK    | 1         | 49      | 0 mm | left       | 1:1      | 0.006             | 1.054                | 0.006              | 0.002                          | 0.002  |  |
| 707.50                                                                                            | 23095 | Md   | LTE Band 12        | 10                                | 21.80                    | 21.49              | -0.21    | 0                  | Ant 3                   | DLXZT003P57G                                    | QPSK    | 25        | 25      | 0 mm | left       | 1:1      | 0.004             | 1.074                | 0.004              | 0.002                          | 0.002  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |                    |                                   |                          |                    |          |                    |                         | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |         |           |         |      |            |          |                   |                      |                    |                                |        |  |

|                                         |                                                                                     |                            |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  | SAR EVALUATION REPORT      | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                              | DUT Type:<br>Tablet Device | Page 230 of 284                 |

**Table 10-19**  
**LTE Band 13 Ant 1 Body SAR**

| MEASUREMENT RESULTS                      |       |      |                 |                             |                       |                 |          |                 |                      |              |         |           |         |      |            |                      |        |                |                          |                 |                          |        |
|------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|-----------------|----------|-----------------|----------------------|--------------|---------|-----------|---------|------|------------|----------------------|--------|----------------|--------------------------|-----------------|--------------------------|--------|
| FREQUENCY                                |       | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Dens [dB] | MPR [dB] | Antenna Config. | Device Serial Number | Modulation   | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (dB)             |        | Scaling Factor | Reported SAR (dB) [W/kg] | SAR (dB) [W/kg] | Reported SAR (dB) [W/kg] | Plot # |
| MHz                                      | Ch.   |      |                 |                             |                       |                 |          |                 |                      |              |         |           |         |      |            | (W/kg)               | (W/kg) |                |                          |                 |                          |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 21.22           | 0.06     | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 1         | 0       | 0 mm | back       | 1:1                  | 0.799  | 1.067          | 0.853                    | 0.412           | 0.440                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 21.07           | -0.04    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 25        | 25      | 0 mm | back       | 1:1                  | 0.761  | 1.104          | 0.940                    | 0.389           | 0.429                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 21.02           | -0.01    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 50        | 0       | 0 mm | back       | 1:1                  | 0.750  | 1.117          | 0.938                    | 0.385           | 0.430                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 18.50                 | 18.44           | -0.20    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 1         | 49      | 0 mm | back       | 1:1                  | 0.345  | 1.014          | 0.350                    | 0.134           | 0.136                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 18.50                 | 18.32           | -0.18    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 25        | 25      | 0 mm | back       | 1:1                  | 0.367  | 1.042          | 0.382                    | 0.141           | 0.147                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 21.22           | 0.20     | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 1         | 0       | 0 mm | top        | 1:1                  | 0.047  | 1.067          | 0.050                    | 0.022           | 0.023                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 21.07           | -0.13    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 25        | 25      | 0 mm | top        | 1:1                  | 0.042  | 1.104          | 0.046                    | 0.021           | 0.023                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 21.22           | -0.11    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1                  | 0.500  | 1.067          | 0.534                    | 0.212           | 0.225                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 21.07           | -0.07    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 25        | 25      | 0 mm | bottom     | 1:1                  | 0.469  | 1.104          | 0.518                    | 0.198           | 0.219                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 21.22           | 0.20     | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 1         | 0       | 0 mm | right      | 1:1                  | 0.005  | 1.067          | 0.005                    | 0.002           | 0.002                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 21.07           | 0.20     | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 25        | 25      | 0 mm | right      | 1:1                  | 0.006  | 1.104          | 0.007                    | 0.002           | 0.002                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 21.22           | -0.15    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 1         | 0       | 0 mm | left       | 1:1                  | 1.080  | 1.067          | 1.152                    | 0.371           | 0.396                    | A7     |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 21.07           | -0.06    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 25        | 25      | 0 mm | left       | 1:1                  | 0.983  | 1.104          | 1.085                    | 0.337           | 0.372                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 21.02           | -0.01    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 50        | 0       | 0 mm | left       | 1:1                  | 0.965  | 1.117          | 1.078                    | 0.335           | 0.374                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 18.50                 | 18.44           | 0.03     | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 1         | 49      | 0 mm | left       | 1:1                  | 0.815  | 1.014          | 0.824                    | 0.177           | 0.179                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 18.50                 | 18.32           | 0.02     | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 25        | 25      | 0 mm | left       | 1:1                  | 0.665  | 1.042          | 0.693                    | 0.190           | 0.198                    |        |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT    |       |      |                 |                             |                       |                 |          |                 |                      |              |         |           |         |      |            | Body                 |        |                |                          |                 |                          |        |
| Spatial Peak                             |       |      |                 |                             |                       |                 |          |                 |                      |              |         |           |         |      |            | 1.6 W/kg (mW/g)      |        |                |                          |                 |                          |        |
| Uncontrolled Exposure/General Population |       |      |                 |                             |                       |                 |          |                 |                      |              |         |           |         |      |            | averaged over 1 gram |        |                |                          |                 |                          |        |

**Table 10-20**  
**LTE Band 13 Ant 3 Body SAR**

| MEASUREMENT RESULTS                      |       |      |                 |                             |                       |                 |          |                      |                      |              |         |           |         |      |            |          |        |                |                          |                 |                          |        |
|------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|-----------------|----------|----------------------|----------------------|--------------|---------|-----------|---------|------|------------|----------|--------|----------------|--------------------------|-----------------|--------------------------|--------|
| FREQUENCY                                |       | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Dens [dB] | MPR [dB] | Antenna Config.      | Device Serial Number | Modulation   | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (dB) |        | Scaling Factor | Reported SAR (dB) [W/kg] | SAR (dB) [W/kg] | Reported SAR (dB) [W/kg] | Plot # |
| MHz                                      | Ch.   |      |                 |                             |                       |                 |          |                      |                      |              |         |           |         |      |            | (W/kg)   | (W/kg) |                |                          |                 |                          |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.64           | 0.06     | 0                    | Ant 3                | DLX2000WPQKX | QPSK    | 1         | 0       | 0 mm | back       | 1:1      | 1.000  | 1.038          | 1.038                    | 0.534           | 0.564                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.43           | -0.01    | 0                    | Ant 3                | DLX2000WPQKX | QPSK    | 25        | 12      | 0 mm | back       | 1:1      | 0.876  | 1.089          | 0.954                    | 0.464           | 0.505                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.37           | -0.06    | 0                    | Ant 3                | DLX2000WPQKX | QPSK    | 50        | 0       | 0 mm | back       | 1:1      | 0.909  | 1.104          | 1.004                    | 0.477           | 0.527                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 18.80                 | 18.71           | -0.10    | 0                    | Ant 3                | DLX2000WPQKX | QPSK    | 1         | 25      | 0 mm | back       | 1:1      | 0.462  | 1.021          | 0.461                    | 0.236           | 0.241                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 18.80                 | 18.62           | -0.01    | 0                    | Ant 3                | DLX2000WPQKX | QPSK    | 25        | 12      | 0 mm | back       | 1:1      | 0.463  | 1.042          | 0.472                    | 0.236           | 0.246                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.64           | -0.09    | 0                    | Ant 3                | DLX2000WPQKX | QPSK    | 1         | 0       | 0 mm | top        | 1:1      | 0.590  | 1.038          | 0.612                    | 0.213           | 0.221                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.43           | 0.20     | 0                    | Ant 3                | DLX2000WPQKX | QPSK    | 25        | 12      | 0 mm | top        | 1:1      | 0.550  | 1.089          | 0.599                    | 0.200           | 0.218                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.64           | 0.20     | 0                    | Ant 3                | DLX2000WPQKX | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1      | 0.040  | 1.038          | 0.042                    | 0.019           | 0.020                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.43           | -0.12    | 0                    | Ant 3                | DLX2000WPQKX | QPSK    | 25        | 12      | 0 mm | bottom     | 1:1      | 0.034  | 1.089          | 0.037                    | 0.017           | 0.019                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.64           | -0.05    | 0                    | Ant 3                | DLX2000WPQKX | QPSK    | 1         | 0       | 0 mm | right      | 1:1      | 0.895  | 1.038          | 0.930                    | 0.309           | 0.321                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.43           | -0.04    | 0                    | Ant 3                | DLX2000WPQKX | QPSK    | 25        | 12      | 0 mm | right      | 1:1      | 0.809  | 1.089          | 0.881                    | 0.280           | 0.305                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.37           | -0.02    | 0                    | Ant 3                | DLX2000WPQKX | QPSK    | 50        | 0       | 0 mm | right      | 1:1      | 0.813  | 1.104          | 0.898                    | 0.281           | 0.310                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 18.80                 | 18.71           | -0.11    | 0                    | Ant 3                | DLX2000WPQKX | QPSK    | 1         | 25      | 0 mm | right      | 1:1      | 0.526  | 1.021          | 0.546                    | 0.179           | 0.183                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 18.80                 | 18.62           | -0.06    | 0                    | Ant 3                | DLX2000WPQKX | QPSK    | 25        | 12      | 0 mm | right      | 1:1      | 0.531  | 1.042          | 0.553                    | 0.176           | 0.183                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.64           | 0.20     | 0                    | Ant 3                | DLX2000WPQKX | QPSK    | 1         | 0       | 0 mm | left       | 1:1      | 0.006  | 1.038          | 0.006                    | 0.003           | 0.003                    |        |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.43           | 0.12     | 0                    | Ant 3                | DLX2000WPQKX | QPSK    | 25        | 12      | 0 mm | left       | 1:1      | 0.006  | 1.089          | 0.007                    | 0.002           | 0.002                    |        |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT    |       |      |                 |                             |                       |                 |          | Body                 |                      |              |         |           |         |      |            |          |        |                |                          |                 |                          |        |
| Spatial Peak                             |       |      |                 |                             |                       |                 |          | 1.6 W/kg (mW/g)      |                      |              |         |           |         |      |            |          |        |                |                          |                 |                          |        |
| Uncontrolled Exposure/General Population |       |      |                 |                             |                       |                 |          | averaged over 1 gram |                      |              |         |           |         |      |            |          |        |                |                          |                 |                          |        |

**Table 10-21**  
**LTE Band 5 Ant 1 Body SAR**

| MEASUREMENT RESULTS                      |                   |           |       |      |                  |                             |                       |                 |          |                 |                      |              |         |           |         |      |                      |                 |                |                          |                 |                          |        |     |
|------------------------------------------|-------------------|-----------|-------|------|------------------|-----------------------------|-----------------------|-----------------|----------|-----------------|----------------------|--------------|---------|-----------|---------|------|----------------------|-----------------|----------------|--------------------------|-----------------|--------------------------|--------|-----|
| # CC Uplink                              | Component Carrier | FREQUENCY |       | Mode | Bandwidth [MHz]  | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Dens [dB] | MPR [dB] | Antenna Config. | Device Serial Number | Modulation   | RB Size | RB Offset | Spacing | Side | Duty Cycle           | SAR (dB) (W/kg) | Scaling Factor | Reported SAR (dB) (W/kg) | SAR (dB) (W/kg) | Reported SAR (dB) (W/kg) | Plot # |     |
| 1 CC Uplink                              | NA                | 836.50    | 20525 | Md   | LTE Band 5 (C-0) | 10                          | 20.70                 | 20.62           | -0.20    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 1         | 25      | 0 mm | back                 | 1:1             | 0.915          | 1.019                    | 0.932           | 0.356                    | 0.363  |     |
| 1 CC Uplink                              | NA                | 836.50    | 20525 | Md   | LTE Band 5 (C-0) | 10                          | 20.70                 | 20.61           | -0.20    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 25        | 12      | 0 mm | back                 | 1:1             | 0.905          | 1.021                    | 0.944           | 0.360                    | 0.362  |     |
| 1 CC Uplink                              | NA                | 836.50    | 20525 | Md   | LTE Band 5 (C-0) | 10                          | 20.70                 | 20.60           | -0.20    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 50        | 0       | 0 mm | back                 | 1:1             | 0.951          | 1.023                    | 0.973           | 0.365                    | 0.373  |     |
| 1 CC Uplink                              | NA                | 836.50    | 20525 | Md   | LTE Band 5 (C-0) | 10                          | 17.70                 | 17.50           | 0.02     | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 1         | 25      | 0 mm | back                 | 1:1             | 0.230          | 1.047                    | 0.246           | 0.146                    | 0.153  |     |
| 1 CC Uplink                              | NA                | 836.50    | 20525 | Md   | LTE Band 5 (C-0) | 10                          | 17.70                 | 17.46           | 0.02     | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 25        | 12      | 0 mm | back                 | 1:1             | 0.324          | 1.057                    | 0.342           | 0.145                    | 0.153  |     |
| 1 CC Uplink                              | NA                | 836.50    | 20525 | Md   | LTE Band 5 (C-0) | 10                          | 20.70                 | 20.62           | 0.16     | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 1         | 25      | 0 mm | top                  | 1:1             | 0.038          | 1.019                    | 0.039           | 0.018                    | 0.018  |     |
| 1 CC Uplink                              | NA                | 836.50    | 20525 | Md   | LTE Band 5 (C-0) | 10                          | 20.70                 | 20.61           | 0.20     | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 25        | 12      | 0 mm | top                  | 1:1             | 0.038          | 1.021                    | 0.039           | 0.018                    | 0.018  |     |
| 1 CC Uplink                              | NA                | 836.50    | 20525 | Md   | LTE Band 5 (C-0) | 10                          | 20.70                 | 20.62           | -0.20    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 1         | 25      | 0 mm | bottom               | 1:1             | 0.482          | 1.019                    | 0.491           | 0.164                    | 0.167  |     |
| 1 CC Uplink                              | NA                | 836.50    | 20525 | Md   | LTE Band 5 (C-0) | 10                          | 20.70                 | 20.61           | -0.20    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 25        | 12      | 0 mm | bottom               | 1:1             | 0.489          | 1.021                    | 0.499           | 0.164                    | 0.167  |     |
| 1 CC Uplink                              | NA                | 836.50    | 20525 | Md   | LTE Band 5 (C-0) | 10                          | 20.70                 | 20.62           | 0.20     | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 1         | 25      | 0 mm | right                | 1:1             | 0.005          | 1.019                    | 0.005           | 0.002                    | 0.002  |     |
| 1 CC Uplink                              | NA                | 836.50    | 20525 | Md   | LTE Band 5 (C-0) | 10                          | 20.70                 | 20.61           | 0.13     | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 25        | 12      | 0 mm | right                | 1:1             | 0.004          | 1.021                    | 0.004           | 0.002                    | 0.002  |     |
| 1 CC Uplink                              | NA                | 836.50    | 20525 | Md   | LTE Band 5 (C-0) | 10                          | 20.70                 | 20.62           | -0.09    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 1         | 25      | 0 mm | left                 | 1:1             | 1.060          | 1.019                    | 1.111           | 0.363                    | 0.369  |     |
| 1 CC Uplink                              | NA                | 836.50    | 20525 | Md   | LTE Band 5 (C-0) | 10                          | 20.70                 | 20.61           | -0.20    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 25        | 12      | 0 mm | left                 | 1:1             | 1.150          | 1.021                    | 1.174           | 0.366                    | 0.404  |     |
| 1 CC Uplink                              | NA                | 836.50    | 20525 | Md   | LTE Band 5 (C-0) | 10                          | 20.70                 | 20.60           | -0.10    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 50        | 0       | 0 mm | left                 | 1:1             | 1.160          | 1.023                    | 1.187           | 0.366                    | 0.407  | All |
| 1 CC Uplink                              | NA                | 836.50    | 20525 | Md   | LTE Band 5 (C-0) | 10                          | 17.70                 | 17.50           | -0.04    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 1         | 25      | 0 mm | left                 | 1:1             | 0.509          | 1.047                    | 0.533           | 0.146                    | 0.153  |     |
| 1 CC Uplink                              | NA                | 836.50    | 20525 | Md   | LTE Band 5 (C-0) | 10                          | 17.70                 | 17.46           | -0.02    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 25        | 12      | 0 mm | left                 | 1:1             | 0.515          | 1.057                    | 0.544           | 0.145                    | 0.156  |     |
| 2 CC Uplink                              | PCC               | 836.50    | 20525 | Md   | LTE Band 5 (C-0) | 5                           | 20.70                 | 20.45           | -0.20    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 50        | 0       | 0 mm | left                 | 1:1             | 1.080          | 1.059                    | 1.144           | 0.362                    | 0.406  |     |
| 2 CC Uplink                              | SCC               | 839.30    | 20463 | Md   | LTE Band 5 (C-0) | 5                           | 20.70                 | 20.45           | -0.20    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 25        | 0       | 0 mm | left                 | 1:1             | 1.130          | 1.023                    | 1.156           | 0.404                    | 0.413  |     |
| 1 CC Uplink                              | NA                | 836.50    | 20525 | Md   | LTE Band 5 (C-0) | 10                          | 20.70                 | 20.60           | -0.03    | 0               | Ant 1                | DLX2000WPQKX | QPSK    | 50        | 0       | 0 mm | left                 | 1:1             | 1.130          | 1.023                    | 1.156           | 0.404                    | 0.413  |     |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT    |                   |           |       |      |                  |                             |                       |                 |          |                 |                      |              |         |           |         |      | Body                 |                 |                |                          |                 |                          |        |     |
| Spatial Peak                             |                   |           |       |      |                  |                             |                       |                 |          |                 |                      |              |         |           |         |      | 1.6 W/kg (avg/pt)    |                 |                |                          |                 |                          |        |     |
| Uncontrolled Exposure/General Population |                   |           |       |      |                  |                             |                       |                 |          |                 |                      |              |         |           |         |      | averaged over 1 gram |                 |                |                          |                 |                          |        |     |

Table 10-22  
LTE Band 5 Ant 3 Body SAR

| MEASUREMENT RESULTS                      |                   |           |       |      |                   |                             |                       |                 |          |                                                 |                      |             |         |           |         |       |            |                 |                |                          |                 |                          |        |
|------------------------------------------|-------------------|-----------|-------|------|-------------------|-----------------------------|-----------------------|-----------------|----------|-------------------------------------------------|----------------------|-------------|---------|-----------|---------|-------|------------|-----------------|----------------|--------------------------|-----------------|--------------------------|--------|
| # CC Uplink                              | Component Carrier | FREQUENCY |       | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Dens [dB] | MPR [dB] | Antenna Config.                                 | Device Serial Number | Modulation  | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) [W/kg] | Scaling Factor | Reported SAR (1g) [W/kg] | SAR (1g) [W/kg] | Reported SAR (1g) [W/kg] | Plot # |
|                                          |                   | MHz       | CS    |      |                   |                             |                       |                 |          |                                                 |                      |             |         |           |         |       |            |                 |                |                          |                 |                          |        |
| 1 CC Uplink                              | N/A               | 836.50    | 20525 | Mtd  | LTE Band 5 (Cat4) | 10                          | 21.50                 | 20.93           | 0.20     | 0                                               | Ant 3                | DLX200WPOKX | QPSK    | 1         | 49      | 0 mm  | back       | 1:1             | 0.855          | 1.140                    | 0.975           | 0.442                    | 0.504  |
| 1 CC Uplink                              | N/A               | 836.50    | 20525 | Mtd  | LTE Band 5 (Cat4) | 10                          | 21.50                 | 20.95           | -0.10    | 0                                               | Ant 3                | DLX200WPOKX | QPSK    | 25        | 25      | 0 mm  | back       | 1:1             | 0.863          | 1.135                    | 0.968           | 0.439                    | 0.498  |
| 1 CC Uplink                              | N/A               | 836.50    | 20525 | Mtd  | LTE Band 5 (Cat4) | 10                          | 21.50                 | 20.93           | -0.10    | 0                                               | Ant 3                | DLX200WPOKX | QPSK    | 50        | 0       | 0 mm  | back       | 1:1             | 0.873          | 1.167                    | 1.019           | 0.440                    | 0.504  |
| 1 CC Uplink                              | N/A               | 836.50    | 20525 | Mtd  | LTE Band 5 (Cat4) | 10                          | 18.50                 | 18.28           | -0.05    | 0                                               | Ant 3                | DLX200WPOKX | QPSK    | 1         | 49      | 0 mm  | back       | 1:1             | 0.482          | 1.052                    | 0.507           | 0.254                    | 0.267  |
| 1 CC Uplink                              | N/A               | 836.50    | 20525 | Mtd  | LTE Band 5 (Cat4) | 10                          | 18.50                 | 18.24           | -0.06    | 0                                               | Ant 3                | DLX200WPOKX | QPSK    | 25        | 25      | 0 mm  | back       | 1:1             | 0.479          | 1.062                    | 0.509           | 0.251                    | 0.267  |
| 1 CC Uplink                              | N/A               | 836.50    | 20525 | Mtd  | LTE Band 5 (Cat4) | 10                          | 21.50                 | 20.93           | -0.17    | 0                                               | Ant 3                | DLX200WPOKX | QPSK    | 1         | 49      | 0 mm  | top        | 1:1             | 0.514          | 1.140                    | 0.588           | 0.177                    | 0.202  |
| 1 CC Uplink                              | N/A               | 836.50    | 20525 | Mtd  | LTE Band 5 (Cat4) | 10                          | 21.50                 | 20.95           | -0.14    | 0                                               | Ant 3                | DLX200WPOKX | QPSK    | 25        | 25      | 0 mm  | top        | 1:1             | 0.526          | 1.135                    | 0.597           | 0.179                    | 0.203  |
| 1 CC Uplink                              | N/A               | 836.50    | 20525 | Mtd  | LTE Band 5 (Cat4) | 10                          | 21.50                 | 20.93           | -0.20    | 0                                               | Ant 3                | DLX200WPOKX | QPSK    | 1         | 49      | 0 mm  | bottom     | 1:1             | 0.025          | 1.140                    | 0.029           | 0.011                    | 0.013  |
| 1 CC Uplink                              | N/A               | 836.50    | 20525 | Mtd  | LTE Band 5 (Cat4) | 10                          | 21.50                 | 20.95           | 0.18     | 0                                               | Ant 3                | DLX200WPOKX | QPSK    | 25        | 25      | 0 mm  | bottom     | 1:1             | 0.031          | 1.135                    | 0.035           | 0.014                    | 0.016  |
| 1 CC Uplink                              | N/A               | 836.50    | 20525 | Mtd  | LTE Band 5 (Cat4) | 10                          | 21.50                 | 20.93           | -0.01    | 0                                               | Ant 3                | DLX200WPOKX | QPSK    | 1         | 49      | 0 mm  | right      | 1:1             | 0.921          | 1.140                    | 1.050           | 0.358                    | 0.408  |
| 1 CC Uplink                              | N/A               | 836.50    | 20525 | Mtd  | LTE Band 5 (Cat4) | 10                          | 21.50                 | 20.95           | 0.03     | 0                                               | Ant 3                | DLX200WPOKX | QPSK    | 25        | 25      | 0 mm  | right      | 1:1             | 0.940          | 1.135                    | 1.077           | 0.367                    | 0.417  |
| 1 CC Uplink                              | N/A               | 836.50    | 20525 | Mtd  | LTE Band 5 (Cat4) | 10                          | 21.50                 | 20.93           | 0.20     | 0                                               | Ant 3                | DLX200WPOKX | QPSK    | 50        | 0       | 0 mm  | right      | 1:1             | 0.937          | 1.167                    | 1.093           | 0.363                    | 0.421  |
| 1 CC Uplink                              | N/A               | 836.50    | 20525 | Mtd  | LTE Band 5 (Cat4) | 10                          | 18.50                 | 18.28           | -0.05    | 0                                               | Ant 3                | DLX200WPOKX | QPSK    | 1         | 49      | 0 mm  | right      | 1:1             | 0.612          | 1.052                    | 0.644           | 0.214                    | 0.225  |
| 1 CC Uplink                              | N/A               | 836.50    | 20525 | Mtd  | LTE Band 5 (Cat4) | 10                          | 18.50                 | 18.24           | -0.04    | 0                                               | Ant 3                | DLX200WPOKX | QPSK    | 25        | 25      | 0 mm  | right      | 1:1             | 0.609          | 1.062                    | 0.647           | 0.214                    | 0.227  |
| 2 CC Uplink                              | PCC               | 836.50    | 20525 | Mtd  | LTE Band 5 (Cat4) | 10                          | 21.50                 | 21.00           | -0.20    | 0                                               | Ant 3                | DLX200WPOKX | QPSK    | 50        | 0       | 0 mm  | right      | 1:1             | 0.963          | 1.122                    | 1.080           | 0.375                    | 0.421  |
| 2 CC Uplink                              | SCC               | 820.30    | 20453 | Mtd  | LTE Band 5 (Cat4) | 5                           |                       |                 |          |                                                 |                      |             | 25      | 0         | 0 mm    | right | 1:1        | 0.003           | 1.140          | 0.003                    | 0.003           | 0.003                    |        |
| 1 CC Uplink                              | N/A               | 836.50    | 20525 | Mtd  | LTE Band 5 (Cat4) | 10                          | 21.50                 | 20.93           | 0.20     | 0                                               | Ant 3                | DLX200WPOKX | QPSK    | 1         | 49      | 0 mm  | left       | 1:1             | 0.007          | 1.140                    | 0.008           | 0.003                    | 0.003  |
| 1 CC Uplink                              | N/A               | 836.50    | 20525 | Mtd  | LTE Band 5 (Cat4) | 10                          | 21.50                 | 20.95           | 0.12     | 0                                               | Ant 3                | DLX200WPOKX | QPSK    | 25        | 25      | 0 mm  | left       | 1:1             | 0.006          | 1.135                    | 0.007           | 0.003                    | 0.003  |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT    |                   |           |       |      |                   |                             |                       |                 |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |             |         |           |         |       |            |                 |                |                          |                 |                          |        |
| Uncontrolled Exposure/General Population |                   |           |       |      |                   |                             |                       |                 |          |                                                 |                      |             |         |           |         |       |            |                 |                |                          |                 |                          |        |

Table 10-23  
LTE Band 26 Ant 1 Body SAR

| MEASUREMENT RESULTS                   |       |      |                    |                             |                       |                 |          |                 |                      |                                                 |         |           |         |      |            |          |                |                          |                  |                           |        |    |  |
|---------------------------------------|-------|------|--------------------|-----------------------------|-----------------------|-----------------|----------|-----------------|----------------------|-------------------------------------------------|---------|-----------|---------|------|------------|----------|----------------|--------------------------|------------------|---------------------------|--------|----|--|
| FREQUENCY                             |       | Mode | Bandwidth [MHz]    | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Dens [dB] | MPR [dB] | Antenna Config. | Device Serial Number | Modulation                                      | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) [W/kg] | SAR (10g) [W/kg] | Reported SAR (10g) [W/kg] | Plot # |    |  |
| MHz                                   | Ch.   |      |                    |                             |                       |                 |          |                 |                      |                                                 |         |           |         |      |            |          |                |                          |                  |                           |        |    |  |
| 819.00                                | 26740 | Low  | LTE Band 26 (Cat4) | 10                          | 20.70                 | 20.45           | -0.02    | 0               | Ant 1                | DLX2V002PQM6                                    | QPSK    | 1         | 0       | 0 mm | back       | 1:1      | 0.860          | 1.059                    | 0.911            | 0.318                     | 0.337  |    |  |
| 831.50                                | 26865 | Mid  | LTE Band 26 (Cat4) | 10                          | 20.70                 | 20.49           | -0.02    | 0               | Ant 1                | DLX2V002PQM6                                    | QPSK    | 1         | 49      | 0 mm | back       | 1:1      | 0.811          | 1.050                    | 0.852            | 0.303                     | 0.318  |    |  |
| 844.00                                | 26990 | High | LTE Band 26 (Cat4) | 10                          | 20.70                 | 20.63           | -0.01    | 0               | Ant 1                | DLX2V002PQM6                                    | QPSK    | 1         | 49      | 0 mm | back       | 1:1      | 0.902          | 1.016                    | 0.916            | 0.329                     | 0.333  |    |  |
| 819.00                                | 26740 | Low  | LTE Band 26 (Cat4) | 10                          | 20.70                 | 20.56           | 0.05     | 0               | Ant 1                | DLX2V002PQM6                                    | QPSK    | 25        | 25      | 0 mm | back       | 1:1      | 0.906          | 1.033                    | 0.936            | 0.333                     | 0.344  |    |  |
| 831.50                                | 26865 | Mid  | LTE Band 26 (Cat4) | 10                          | 20.70                 | 20.40           | -0.03    | 0               | Ant 1                | DLX2V002PQM6                                    | QPSK    | 25        | 25      | 0 mm | back       | 1:1      | 0.796          | 1.072                    | 0.853            | 0.295                     | 0.316  |    |  |
| 844.00                                | 26990 | High | LTE Band 26 (Cat4) | 10                          | 20.70                 | 20.59           | -0.01    | 0               | Ant 1                | DLX2V002PQM6                                    | QPSK    | 25        | 25      | 0 mm | back       | 1:1      | 0.899          | 1.026                    | 0.922            | 0.325                     | 0.333  |    |  |
| 844.00                                | 26990 | High | LTE Band 26 (Cat4) | 10                          | 20.70                 | 20.45           | -0.01    | 0               | Ant 1                | DLX2V002PQM6                                    | QPSK    | 50        | 0       | 0 mm | back       | 1:1      | 0.889          | 1.059                    | 0.940            | 0.319                     | 0.338  |    |  |
| 844.00                                | 26990 | High | LTE Band 26 (Cat4) | 10                          | 20.70                 | 20.63           | -0.19    | 0               | Ant 1                | DLX2V002PQM6                                    | QPSK    | 1         | 49      | 0 mm | top        | 1:1      | 0.041          | 1.016                    | 0.042            | 0.022                     | 0.022  |    |  |
| 844.00                                | 26990 | High | LTE Band 26 (Cat4) | 10                          | 20.70                 | 20.59           | -0.20    | 0               | Ant 1                | DLX2V002PQM6                                    | QPSK    | 25        | 25      | 0 mm | top        | 1:1      | 0.043          | 1.026                    | 0.044            | 0.023                     | 0.024  |    |  |
| 844.00                                | 26990 | High | LTE Band 26 (Cat4) | 10                          | 20.70                 | 20.63           | -0.11    | 0               | Ant 1                | DLX2V002PQM6                                    | QPSK    | 1         | 49      | 0 mm | bottom     | 1:1      | 0.384          | 1.016                    | 0.390            | 0.134                     | 0.136  |    |  |
| 844.00                                | 26990 | High | LTE Band 26 (Cat4) | 10                          | 20.70                 | 20.59           | -0.11    | 0               | Ant 1                | DLX2V002PQM6                                    | QPSK    | 25        | 25      | 0 mm | bottom     | 1:1      | 0.384          | 1.026                    | 0.394            | 0.134                     | 0.137  |    |  |
| 844.00                                | 26990 | High | LTE Band 26 (Cat4) | 10                          | 20.70                 | 20.63           | -0.01    | 0               | Ant 1                | DLX2V002PQM6                                    | QPSK    | 1         | 49      | 0 mm | right      | 1:1      | 0.003          | 1.016                    | 0.003            | 0.001                     | 0.001  |    |  |
| 844.00                                | 26990 | High | LTE Band 26 (Cat4) | 10                          | 20.70                 | 20.59           | -0.12    | 0               | Ant 1                | DLX2V002PQM6                                    | QPSK    | 25        | 25      | 0 mm | right      | 1:1      | 0.004          | 1.026                    | 0.004            | 0.002                     | 0.002  |    |  |
| 819.00                                | 26740 | Low  | LTE Band 26 (Cat4) | 10                          | 20.70                 | 20.45           | -0.11    | 0               | Ant 1                | DLX2V002PQM6                                    | QPSK    | 1         | 0       | 0 mm | left       | 1:1      | 1.120          | 1.059                    | 1.186            | 0.391                     | 0.414  |    |  |
| 831.50                                | 26865 | Mid  | LTE Band 26 (Cat4) | 10                          | 20.70                 | 20.49           | -0.10    | 0               | Ant 1                | DLX2V002PQM6                                    | QPSK    | 1         | 49      | 0 mm | left       | 1:1      | 1.060          | 1.050                    | 1.113            | 0.369                     | 0.387  |    |  |
| 844.00                                | 26990 | High | LTE Band 26 (Cat4) | 10                          | 20.70                 | 20.63           | -0.16    | 0               | Ant 1                | DLX2V002PQM6                                    | QPSK    | 1         | 49      | 0 mm | left       | 1:1      | 1.030          | 1.016                    | 1.046            | 0.360                     | 0.366  |    |  |
| 819.00                                | 26740 | Low  | LTE Band 26 (Cat4) | 10                          | 20.70                 | 20.56           | -0.13    | 0               | Ant 1                | DLX2V002PQM6                                    | QPSK    | 25        | 25      | 0 mm | left       | 1:1      | 1.150          | 1.033                    | 1.188            | 0.396                     | 0.409  | A9 |  |
| 831.50                                | 26865 | Mid  | LTE Band 26 (Cat4) | 10                          | 20.70                 | 20.40           | -0.10    | 0               | Ant 1                | DLX2V002PQM6                                    | QPSK    | 25        | 25      | 0 mm | left       | 1:1      | 1.050          | 1.072                    | 1.126            | 0.364                     | 0.390  |    |  |
| 844.00                                | 26990 | High | LTE Band 26 (Cat4) | 10                          | 20.70                 | 20.59           | -0.12    | 0               | Ant 1                | DLX2V002PQM6                                    | QPSK    | 25        | 25      | 0 mm | left       | 1:1      | 1.030          | 1.026                    | 1.057            | 0.361                     | 0.370  |    |  |
| 844.00                                | 26990 | High | LTE Band 26 (Cat4) | 10                          | 20.70                 | 20.45           | -0.13    | 0               | Ant 1                | DLX2V002PQM6                                    | QPSK    | 50        | 0       | 0 mm | left       | 1:1      | 1.010          | 1.059                    | 1.070            | 0.354                     | 0.375  |    |  |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT |       |      |                    |                             |                       |                 |          |                 |                      | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |         |           |         |      |            |          |                |                          |                  |                           |        |    |  |
| Spatial Peak                          |       |      |                    |                             |                       |                 |          |                 |                      | Uncontrolled Exposure/General Population        |         |           |         |      |            |          |                |                          |                  |                           |        |    |  |

Table 10-24  
LTE Band 26 Ant 3 Body SAR

| MEASUREMENT RESULTS                      |       |      |                    |                             |                       |                 |          |                 |                      |              |         |           |         |      |            |          |                    |                          |                  |                           |        |  |  |  |
|------------------------------------------|-------|------|--------------------|-----------------------------|-----------------------|-----------------|----------|-----------------|----------------------|--------------|---------|-----------|---------|------|------------|----------|--------------------|--------------------------|------------------|---------------------------|--------|--|--|--|
| FREQUENCY                                |       | Mode | Bandwidth [MHz]    | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Dens [dB] | MPR [dB] | Antenna Config. | Device Serial Number | Modulation   | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (1g) | Scaling Factor     | Reported SAR (1g) [W/kg] | SAR (10g) [W/kg] | Reported SAR (10g) [W/kg] | Plot # |  |  |  |
| MHz                                      | Ch.   |      |                    |                             |                       |                 |          |                 |                      |              |         |           |         |      |            |          |                    |                          |                  |                           |        |  |  |  |
| 819.00                                   | 26740 | Low  | LTE Band 26 (Cat4) | 10                          | 21.50                 | 20.85           | 0.04     | 0               | Ant 3                | DLX2V004PQM6 | QPSK    | 1         | 0       | 0 mm | back       | 1:1      | 0.900              | 1.161                    | 1.045            | 0.487                     | 0.565  |  |  |  |
| 831.50                                   | 26865 | Mid  | LTE Band 26 (Cat4) | 10                          | 21.50                 | 20.79           | 0.03     | 0               | Ant 3                | DLX2V004PQM6 | QPSK    | 1         | 0       | 0 mm | back       | 1:1      | 0.952              | 1.178                    | 1.121            | 0.462                     | 0.580  |  |  |  |
| 844.00                                   | 26990 | High | LTE Band 26 (Cat4) | 10                          | 21.50                 | 20.82           | 0.02     | 0               | Ant 3                | DLX2V004PQM6 | QPSK    | 1         | 25      | 0 mm | back       | 1:1      | 0.840              | 1.169                    | 0.982            | 0.458                     | 0.525  |  |  |  |
| 819.00                                   | 26740 | Low  | LTE Band 26 (Cat4) | 10                          | 21.50                 | 20.84           | 0.03     | 0               | Ant 3                | DLX2V004PQM6 | QPSK    | 25        | 25      | 0 mm | back       | 1:1      | 0.880              | 1.164                    | 1.024            | 0.476                     | 0.554  |  |  |  |
| 831.50                                   | 26865 | Mid  | LTE Band 26 (Cat4) | 10                          | 21.50                 | 20.81           | 0.03     | 0               | Ant 3                | DLX2V004PQM6 | QPSK    | 25        | 0       | 0 mm | back       | 1:1      | 0.882              | 1.172                    | 1.034            | 0.479                     | 0.561  |  |  |  |
| 844.00                                   | 26990 | High | LTE Band 26 (Cat4) | 10                          | 21.50                 | 20.87           | 0.03     | 0               | Ant 3                | DLX2V004PQM6 | QPSK    | 25        | 25      | 0 mm | back       | 1:1      | 0.847              | 1.156                    | 0.979            | 0.469                     | 0.531  |  |  |  |
| 831.50                                   | 26865 | Mid  | LTE Band 26 (Cat4) | 10                          | 21.50                 | 20.81           | 0.02     | 0               | Ant 3                | DLX2V004PQM6 | QPSK    | 50        | 0       | 0 mm | back       | 1:1      | 0.855              | 1.172                    | 1.002            | 0.463                     | 0.543  |  |  |  |
| 819.00                                   | 26740 | Low  | LTE Band 26 (Cat4) | 10                          | 21.50                 | 20.85           | -0.11    | 0               | Ant 3                | DLX2V004PQM6 | QPSK    | 1         | 0       | 0 mm | top        | 1:1      | 0.430              | 1.161                    | 0.499            | 0.139                     | 0.381  |  |  |  |
| 844.00                                   | 26990 | High | LTE Band 26 (Cat4) | 10                          | 21.50                 | 20.87           | -0.09    | 0               | Ant 3                | DLX2V004PQM6 | QPSK    | 25        | 25      | 0 mm | top        | 1:1      | 0.434              | 1.156                    | 0.502            | 0.144                     | 0.356  |  |  |  |
| 819.00                                   | 26740 | Low  | LTE Band 26 (Cat4) | 10                          | 21.50                 | 20.85           | 0.15     | 0               | Ant 3                | DLX2V004PQM6 | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1      | 0.027              | 1.161                    | 0.031            | 0.053                     | 0.015  |  |  |  |
| 844.00                                   | 26990 | High | LTE Band 26 (Cat4) | 10                          | 21.50                 | 20.87           | -0.20    | 0               | Ant 3                | DLX2V004PQM6 | QPSK    | 25        | 25      | 0 mm | bottom     | 1:1      | 0.036              | 1.156                    | 0.042            | 0.017                     | 0.020  |  |  |  |
| 819.00                                   | 26740 | Low  | LTE Band 26 (Cat4) | 10                          | 21.50                 | 20.85           | -0.14    | 0               | Ant 3                | DLX2V004PQM6 | QPSK    | 1         | 0       | 0 mm | right      | 1:1      | 0.964              | 1.161                    | 1.119            | 0.394                     | 0.446  |  |  |  |
| 831.50                                   | 26865 | Mid  | LTE Band 26 (Cat4) | 10                          | 21.50                 | 20.79           | -0.20    | 0               | Ant 3                | DLX2V004PQM6 | QPSK    | 1         | 0       | 0 mm | right      | 1:1      | 0.948              | 1.178                    | 1.117            | 0.374                     | 0.441  |  |  |  |
| 844.00                                   | 26990 | High | LTE Band 26 (Cat4) | 10                          | 21.50                 | 20.82           | -0.20    | 0               | Ant 3                | DLX2V004PQM6 | QPSK    | 1         | 25      | 0 mm | right      | 1:1      | 0.847              | 1.169                    | 0.990            | 0.341                     | 0.399  |  |  |  |
| 819.00                                   | 26740 | Low  | LTE Band 26 (Cat4) | 10                          | 21.50                 | 20.84           | -0.20    | 0               | Ant 3                | DLX2V004PQM6 | QPSK    | 25        | 25      | 0 mm | right      | 1:1      | 0.957              | 1.164                    | 1.114            | 0.377                     | 0.439  |  |  |  |
| 831.50                                   | 26865 | Mid  | LTE Band 26 (Cat4) | 10                          | 21.50                 | 20.82           | -0.21    | 0               | Ant 3                | DLX2V004PQM6 | QPSK    | 25        | 0       | 0 mm | right      | 1:1      | 0.939              | 1.172                    | 1.101            | 0.371                     | 0.435  |  |  |  |
| 844.00                                   | 26990 | High | LTE Band 26 (Cat4) | 10                          | 21.50                 | 20.87           | -0.21    | 0               | Ant 3                | DLX2V004PQM6 | QPSK    | 25        | 25      | 0 mm | right      | 1:1      | 0.847              | 1.156                    | 0.979            | 0.337                     | 0.380  |  |  |  |
| 831.50                                   | 26865 | Mid  | LTE Band 26 (Cat4) | 10                          | 21.50                 | 20.81           | -0.20    | 0               | Ant 3                | DLX2V004PQM6 | QPSK    | 50        | 0       | 0 mm | right      | 1:1      | 0.903              | 1.172                    | 1.058            | 0.357                     | 0.418  |  |  |  |
| 819.00                                   | 26740 | Low  | LTE Band 26 (Cat4) | 10                          | 21.50                 | 20.85           | 0.20     | 0               | Ant 3                | DLX2V004PQM6 | QPSK    | 1         | 0       | 0 mm | left       | 1:1      | 0.004              | 1.161                    | 0.005            | 0.001                     | 0.001  |  |  |  |
| 844.00                                   | 26990 | High | LTE Band 26 (Cat4) | 10                          | 21.50                 | 20.87           | 0.21     | 0               | Ant 3                | DLX2V004PQM6 | QPSK    | 25        | 25      | 0 mm | left       | 1:1      | 0.004              | 1.156                    | 0.005            | 0.001                     | 0.001  |  |  |  |
| ANSI / IEEE C63.1192 - SAFETY LIMIT      |       |      |                    |                             |                       |                 |          |                 |                      |              |         |           |         |      |            |          | Body               |                          |                  |                           |        |  |  |  |
| Uncontrolled Exposure/General Population |       |      |                    |                             |                       |                 |          |                 |                      |              |         |           |         |      |            |          | 1.6 W/kg (avg/1g)  |                          |                  |                           |        |  |  |  |
|                                          |       |      |                    |                             |                       |                 |          |                 |                      |              |         |           |         |      |            |          | averaged per 1.0gm |                          |                  |                           |        |  |  |  |

Table 10-25  
LTE Band 4 Ant 2a Body SAR

| MEASUREMENT RESULTS                      |       |      |                    |                                   |                          |                     |          |                    |                         |                      |         |           |         |      |            |          |                   |                      |          |                      |        |  |
|------------------------------------------|-------|------|--------------------|-----------------------------------|--------------------------|---------------------|----------|--------------------|-------------------------|----------------------|---------|-----------|---------|------|------------|----------|-------------------|----------------------|----------|----------------------|--------|--|
| FREQUENCY                                |       | Mode | Bandwidth<br>(MHz) | Maximum<br>Allowed<br>Power (dBm) | Conducted<br>Power (dBm) | Power<br>Drift (dB) | MPR (dB) | Antenna<br>Config. | Device Serial<br>Number | Modulation           | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (dB) | Scaling<br>Factor | Reported SAR<br>(dB) | SAR (dB) | Reported SAR<br>(dB) | Plot # |  |
| MHz                                      | Ch.   |      |                    |                                   |                          |                     |          |                    |                         |                      |         |           |         |      |            | (W/kg)   |                   | (W/kg)               | (W/kg)   |                      |        |  |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.90                    | 14.70               | -0.20    | 0                  | Ant 2a                  | DLXZT004PSTG         | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 0.955             | 1.047                | 1.000    | 0.441                | 0.462  |  |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.90                    | 14.77               | -0.04    | 0                  | Ant 2a                  | DLXZT004PSTG         | QPSK    | 50        | 50      | 0 mm | back       | 1:1      | 0.923             | 1.030                | 0.951    | 0.424                | 0.437  |  |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.90                    | 14.65               | -0.03    | 0                  | Ant 2a                  | DLXZT004PSTG         | QPSK    | 100       | 0       | 0 mm | back       | 1:1      | 0.874             | 1.059                | 0.926    | 0.403                | 0.427  |  |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 11.90                    | 11.84               | 0.05     | 0                  | Ant 2a                  | DLXZT004PSTG         | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 0.542             | 1.014                | 0.550    | 0.256                | 0.260  |  |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 11.90                    | 11.89               | -0.05    | 0                  | Ant 2a                  | DLXZT004PSTG         | QPSK    | 50        | 50      | 0 mm | back       | 1:1      | 0.531             | 1.002                | 0.532    | 0.250                | 0.251  |  |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.90                    | 14.70               | -0.20    | 0                  | Ant 2a                  | DLXZT004PSTG         | QPSK    | 1         | 99      | 0 mm | top        | 1:1      | 0.009             | 1.047                | 0.009    | 0.003                | 0.003  |  |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.90                    | 14.77               | -0.03    | 0                  | Ant 2a                  | DLXZT004PSTG         | QPSK    | 50        | 50      | 0 mm | top        | 1:1      | 0.009             | 1.030                | 0.009    | 0.003                | 0.003  |  |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.90                    | 14.70               | 0.01     | 0                  | Ant 2a                  | DLXZT004PSTG         | QPSK    | 1         | 99      | 0 mm | bottom     | 1:1      | 0.235             | 1.047                | 0.246    | 0.085                | 0.089  |  |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.90                    | 14.77               | -0.04    | 0                  | Ant 2a                  | DLXZT004PSTG         | QPSK    | 50        | 50      | 0 mm | bottom     | 1:1      | 0.221             | 1.030                | 0.228    | 0.080                | 0.082  |  |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.90                    | 14.70               | -0.03    | 0                  | Ant 2a                  | DLXZT004PSTG         | QPSK    | 1         | 99      | 0 mm | right      | 1:1      | 0.826             | 1.047                | 0.865    | 0.333                | 0.349  |  |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.90                    | 14.77               | -0.03    | 0                  | Ant 2a                  | DLXZT004PSTG         | QPSK    | 50        | 50      | 0 mm | right      | 1:1      | 0.801             | 1.030                | 0.825    | 0.322                | 0.332  |  |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.90                    | 14.66               | -0.01    | 0                  | Ant 2a                  | DLXZT004PSTG         | QPSK    | 100       | 0       | 0 mm | right      | 1:1      | 0.777             | 1.059                | 0.823    | 0.313                | 0.331  |  |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 11.90                    | 11.84               | 0.08     | 0                  | Ant 2a                  | DLXZT004PSTG         | QPSK    | 1         | 99      | 0 mm | right      | 1:1      | 0.430             | 1.014                | 0.439    | 0.173                | 0.175  |  |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 11.90                    | 11.89               | 0.05     | 0                  | Ant 2a                  | DLXZT004PSTG         | QPSK    | 50        | 50      | 0 mm | right      | 1:1      | 0.422             | 1.002                | 0.423    | 0.169                | 0.169  |  |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.90                    | 14.70               | 0.19     | 0                  | Ant 2a                  | DLXZT004PSTG         | QPSK    | 1         | 99      | 0 mm | left       | 1:1      | 0.001             | 1.047                | 0.001    | 0.000                | 0.000  |  |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.90                    | 14.77               | -0.20    | 0                  | Ant 2a                  | DLXZT004PSTG         | QPSK    | 50        | 50      | 0 mm | left       | 1:1      | 0.000             | 1.030                | 0.000    | 0.000                | 0.000  |  |
| ANSI / IEEE C63.1.1992 - SAFETY LIMIT    |       |      |                    |                                   |                          |                     |          |                    |                         | Body                 |         |           |         |      |            |          |                   |                      |          |                      |        |  |
| Spatial Peak                             |       |      |                    |                                   |                          |                     |          |                    |                         | 1.6 W/kg (mW/g)      |         |           |         |      |            |          |                   |                      |          |                      |        |  |
| Uncontrolled Exposure/General Population |       |      |                    |                                   |                          |                     |          |                    |                         | averaged over 1 gram |         |           |         |      |            |          |                   |                      |          |                      |        |  |

Table 10-26  
LTE Band 4 Ant 2b Body SAR

| MEASUREMENT RESULTS                      |       |      |                    |                                   |                          |                     |          |                      |                         |              |         |           |         |      |            |          |                   |                      |          |                      |        |     |
|------------------------------------------|-------|------|--------------------|-----------------------------------|--------------------------|---------------------|----------|----------------------|-------------------------|--------------|---------|-----------|---------|------|------------|----------|-------------------|----------------------|----------|----------------------|--------|-----|
| FREQUENCY                                |       | Mode | Bandwidth<br>(MHz) | Maximum<br>Allowed<br>Power (dBm) | Conducted<br>Power (dBm) | Power<br>Drift (dB) | MPR (dB) | Antenna<br>Config.   | Device Serial<br>Number | Modulation   | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (dB) | Scaling<br>Factor | Reported SAR<br>(dB) | SAR (dB) | Reported SAR<br>(dB) | Plot # |     |
| MHz                                      | Ch.   |      |                    |                                   |                          |                     |          |                      |                         |              |         |           |         |      |            | (W/kg)   |                   | (W/kg)               | (W/kg)   |                      |        |     |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 15.10                    | 15.03               | 0.01     | 0                    | Ant 2b                  | DLXZT004PSTG | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 1.100             | 1.016                | 1.118    | 0.432                | 0.439  | A10 |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 15.10                    | 15.02               | 0.00     | 0                    | Ant 2b                  | DLXZT004PSTG | QPSK    | 50        | 50      | 0 mm | back       | 1:1      | 1.090             | 1.019                | 1.111    | 0.404                | 0.432  |     |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 15.10                    | 15.00               | -0.09    | 0                    | Ant 2b                  | DLXZT004PSTG | QPSK    | 100       | 0       | 0 mm | back       | 1:1      | 1.080             | 1.023                | 1.115    | 0.426                | 0.436  |     |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 12.10                    | 11.97               | -0.15    | 0                    | Ant 2b                  | DLXZT004PSTG | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 0.490             | 1.030                | 0.505    | 0.191                | 0.197  |     |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 12.10                    | 11.84               | -0.14    | 0                    | Ant 2b                  | DLXZT004PSTG | QPSK    | 50        | 50      | 0 mm | back       | 1:1      | 0.488             | 1.062                | 0.518    | 0.190                | 0.202  |     |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 15.10                    | 15.03               | -0.20    | 0                    | Ant 2b                  | DLXZT004PSTG | QPSK    | 1         | 99      | 0 mm | top        | 1:1      | 0.001             | 1.016                | 0.001    | 0.000                | 0.000  |     |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 15.10                    | 15.02               | -0.20    | 0                    | Ant 2b                  | DLXZT004PSTG | QPSK    | 50        | 50      | 0 mm | top        | 1:1      | 0.001             | 1.019                | 0.001    | 0.000                | 0.000  |     |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 15.10                    | 15.03               | -0.05    | 0                    | Ant 2b                  | DLXZT004PSTG | QPSK    | 1         | 99      | 0 mm | bottom     | 1:1      | 0.755             | 1.016                | 0.767    | 0.264                | 0.269  |     |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 15.10                    | 15.02               | -0.05    | 0                    | Ant 2b                  | DLXZT004PSTG | QPSK    | 50        | 50      | 0 mm | bottom     | 1:1      | 0.745             | 1.019                | 0.759    | 0.250                | 0.256  |     |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 15.10                    | 15.03               | 0.07     | 0                    | Ant 2b                  | DLXZT004PSTG | QPSK    | 1         | 99      | 0 mm | right      | 1:1      | 0.056             | 1.016                | 0.056    | 0.022                | 0.022  |     |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 15.10                    | 15.02               | 0.16     | 0                    | Ant 2b                  | DLXZT004PSTG | QPSK    | 50        | 50      | 0 mm | right      | 1:1      | 0.056             | 1.019                | 0.059    | 0.023                | 0.023  |     |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 15.10                    | 15.03               | 0.03     | 0                    | Ant 2b                  | DLXZT004PSTG | QPSK    | 1         | 99      | 0 mm | left       | 1:1      | 0.015             | 1.016                | 0.015    | 0.007                | 0.007  |     |
| 1732.50                                  | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 15.10                    | 15.02               | -0.12    | 0                    | Ant 2b                  | DLXZT004PSTG | QPSK    | 50        | 50      | 0 mm | left       | 1:1      | 0.016             | 1.019                | 0.016    | 0.007                | 0.007  |     |
| ANSI / IEEE C63.1.1992 - SAFETY LIMIT    |       |      |                    |                                   |                          |                     |          | Body                 |                         |              |         |           |         |      |            |          |                   |                      |          |                      |        |     |
| Spatial Peak                             |       |      |                    |                                   |                          |                     |          | 1.6 W/kg (mW/g)      |                         |              |         |           |         |      |            |          |                   |                      |          |                      |        |     |
| Uncontrolled Exposure/General Population |       |      |                    |                                   |                          |                     |          | averaged over 1 gram |                         |              |         |           |         |      |            |          |                   |                      |          |                      |        |     |

Table 10-27  
LTE Band 4 Ant 4a Body SAR

| MEASUREMENT RESULTS                                 |       |      |                    |                                   |                          |                     |          |                    |                         |              |         |           |         |      |            |            |                                                 |                        |            |                        |        |  |
|-----------------------------------------------------|-------|------|--------------------|-----------------------------------|--------------------------|---------------------|----------|--------------------|-------------------------|--------------|---------|-----------|---------|------|------------|------------|-------------------------------------------------|------------------------|------------|------------------------|--------|--|
| FREQUENCY                                           |       | Mode | Bandwidth<br>(MHz) | Maximum<br>Allowed<br>Power (dBm) | Conducted<br>Power (dBm) | Power<br>Drift (dB) | MPR (dB) | Antenna<br>Config. | Device Serial<br>Number | Modulation   | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (W/kg) | Scaling<br>Factor                               | Reported SAR<br>(W/kg) | SAR (W/kg) | Reported SAR<br>(W/kg) | Plot # |  |
| MHz                                                 | Ch.   |      |                    |                                   |                          |                     |          |                    |                         |              |         |           |         |      |            | SAR (W/kg) | SAR (W/kg)                                      | SAR (W/kg)             |            |                        |        |  |
| 1732.50                                             | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.80                    | 14.62               | -0.07    | 0                  | Ant 4a                  | DLXZV08BPQKX | QPSK    | 1         | 50      | 0 mm | back       | 1:1        | 0.896                                           | 1.042                  | 0.934      | 0.435                  | 0.453  |  |
| 1732.50                                             | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.80                    | 14.64               | -0.06    | 0                  | Ant 4a                  | DLXZV08BPQKX | QPSK    | 50        | 25      | 0 mm | back       | 1:1        | 0.903                                           | 1.038                  | 0.935      | 0.437                  | 0.454  |  |
| 1732.50                                             | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.80                    | 14.37               | -0.05    | 0                  | Ant 4a                  | DLXZV08BPQKX | QPSK    | 100       | 0       | 0 mm | back       | 1:1        | 0.906                                           | 1.104                  | 1.000      | 0.439                  | 0.465  |  |
| 1732.50                                             | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 11.80                    | 11.49               | 0.13     | 0                  | Ant 4a                  | DLXZV08BPQKX | QPSK    | 1         | 0       | 0 mm | back       | 1:1        | 0.445                                           | 1.074                  | 0.478      | 0.210                  | 0.225  |  |
| 1732.50                                             | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 11.80                    | 11.34               | 0.12     | 0                  | Ant 4a                  | DLXZV08BPQKX | QPSK    | 50        | 0       | 0 mm | back       | 1:1        | 0.444                                           | 1.112                  | 0.494      | 0.211                  | 0.235  |  |
| 1732.50                                             | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.80                    | 14.62               | -0.10    | 0                  | Ant 4a                  | DLXZV08BPQKX | QPSK    | 1         | 50      | 0 mm | top        | 1:1        | 0.244                                           | 1.042                  | 0.254      | 0.090                  | 0.094  |  |
| 1732.50                                             | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.80                    | 14.64               | -0.02    | 0                  | Ant 4a                  | DLXZV08BPQKX | QPSK    | 50        | 25      | 0 mm | top        | 1:1        | 0.246                                           | 1.038                  | 0.250      | 0.091                  | 0.094  |  |
| 1732.50                                             | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.80                    | 14.62               | 0.06     | 0                  | Ant 4a                  | DLXZV08BPQKX | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1        | 0.011                                           | 1.042                  | 0.011      | 0.004                  | 0.004  |  |
| 1732.50                                             | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.80                    | 14.64               | -0.04    | 0                  | Ant 4a                  | DLXZV08BPQKX | QPSK    | 50        | 25      | 0 mm | bottom     | 1:1        | 0.012                                           | 1.038                  | 0.012      | 0.005                  | 0.005  |  |
| 1732.50                                             | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.80                    | 14.62               | 0.00     | 0                  | Ant 4a                  | DLXZV08BPQKX | QPSK    | 1         | 50      | 0 mm | right      | 1:1        | 0.000                                           | 1.042                  | 0.000      | 0.000                  | 0.000  |  |
| 1732.50                                             | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.80                    | 14.64               | 0.00     | 0                  | Ant 4a                  | DLXZV08BPQKX | QPSK    | 50        | 25      | 0 mm | right      | 1:1        | 0.000                                           | 1.038                  | 0.000      | 0.000                  | 0.000  |  |
| 1732.50                                             | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.80                    | 14.62               | -0.05    | 0                  | Ant 4a                  | DLXZV08BPQKX | QPSK    | 1         | 50      | 0 mm | left       | 1:1        | 0.815                                           | 1.042                  | 0.849      | 0.319                  | 0.332  |  |
| 1732.50                                             | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.80                    | 14.64               | -0.09    | 0                  | Ant 4a                  | DLXZV08BPQKX | QPSK    | 50        | 25      | 0 mm | left       | 1:1        | 0.822                                           | 1.038                  | 0.853      | 0.321                  | 0.333  |  |
| 1732.50                                             | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 14.80                    | 14.37               | -0.05    | 0                  | Ant 4a                  | DLXZV08BPQKX | QPSK    | 100       | 0       | 0 mm | left       | 1:1        | 0.824                                           | 1.104                  | 0.910      | 0.320                  | 0.363  |  |
| 1732.50                                             | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 11.80                    | 11.49               | -0.03    | 0                  | Ant 4a                  | DLXZV08BPQKX | QPSK    | 1         | 0       | 0 mm | left       | 1:1        | 0.411                                           | 1.074                  | 0.441      | 0.166                  | 0.178  |  |
| 1732.50                                             | 20175 | Md   | LTE Band 4 (AWVS)  | 20                                | 11.80                    | 11.34               | -0.03    | 0                  | Ant 4a                  | DLXZV08BPQKX | QPSK    | 50        | 0       | 0 mm | left       | 1:1        | 0.405                                           | 1.112                  | 0.450      | 0.165                  | 0.183  |  |
| ANSI / IEEE CS1-1382 - SAFETY LIMIT<br>Spatial Peak |       |      |                    |                                   |                          |                     |          |                    |                         |              |         |           |         |      |            |            | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                        |            |                        |        |  |
| Uncontrolled Exposure/General Population            |       |      |                    |                                   |                          |                     |          |                    |                         |              |         |           |         |      |            |            |                                                 |                        |            |                        |        |  |

**Table 10-28**  
**LTE Band 4 Ant 4b Body SAR**

| MEASUREMENT RESULTS                      |       |      |                  |                             |                       |                 |          |                 |                      |                      |         |           |         |      |            |          |                |                   |          |                   |        |  |
|------------------------------------------|-------|------|------------------|-----------------------------|-----------------------|-----------------|----------|-----------------|----------------------|----------------------|---------|-----------|---------|------|------------|----------|----------------|-------------------|----------|-------------------|--------|--|
| FREQUENCY                                |       | Mode | Bandwidth (MHz)  | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Dens [dB] | MPR [dB] | Antenna Config. | Device Serial Number | Modulation           | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (dB) | Scaling Factor | Reported SAR (dB) | SAR (dB) | Reported SAR (dB) | Plot # |  |
| MHz                                      | Ch.   |      |                  |                             |                       |                 |          |                 |                      |                      |         |           |         |      |            | (W/kg)   |                | (W/kg)            | (W/kg)   |                   |        |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.50                 | 13.36           | 0.04     | 0               | Ant 4b               | DLX27004P5TG         | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 0.908          | 1.033             | 0.938    | 0.951             | 0.963  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.50                 | 13.34           | 0.07     | 0               | Ant 4b               | DLX27004P5TG         | QPSK    | 50        | 0       | 0 mm | back       | 1:1      | 0.873          | 1.038             | 0.906    | 0.939             | 0.952  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.50                 | 13.00           | -0.13    | 0               | Ant 4b               | DLX27004P5TG         | QPSK    | 100       | 0       | 0 mm | back       | 1:1      | 0.891          | 1.122             | 1.000    | 0.948             | 0.990  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 10.50                 | 10.31           | -0.20    | 0               | Ant 4b               | DLX27004P5TG         | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 0.489          | 1.045             | 0.511    | 0.199             | 0.208  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 10.50                 | 10.28           | -0.20    | 0               | Ant 4b               | DLX27004P5TG         | QPSK    | 50        | 50      | 0 mm | back       | 1:1      | 0.478          | 1.052             | 0.903    | 0.194             | 0.204  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.50                 | 13.36           | -0.05    | 0               | Ant 4b               | DLX27004P5TG         | QPSK    | 1         | 99      | 0 mm | top        | 1:1      | 0.673          | 1.033             | 0.695    | 0.263             | 0.272  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.50                 | 13.34           | -0.03    | 0               | Ant 4b               | DLX27004P5TG         | QPSK    | 50        | 0       | 0 mm | top        | 1:1      | 0.676          | 1.038             | 0.704    | 0.265             | 0.275  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.50                 | 13.36           | 0.14     | 0               | Ant 4b               | DLX27004P5TG         | QPSK    | 1         | 99      | 0 mm | bottom     | 1:1      | 0.000          | 1.033             | 0.000    | 0.000             | 0.000  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.50                 | 13.34           | 0.21     | 0               | Ant 4b               | DLX27004P5TG         | QPSK    | 50        | 0       | 0 mm | bottom     | 1:1      | 0.001          | 1.038             | 0.001    | 0.000             | 0.000  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.50                 | 13.36           | -0.04    | 0               | Ant 4b               | DLX27004P5TG         | QPSK    | 1         | 99      | 0 mm | right      | 1:1      | 0.004          | 1.033             | 0.004    | 0.001             | 0.001  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.50                 | 13.34           | 0.21     | 0               | Ant 4b               | DLX27004P5TG         | QPSK    | 50        | 0       | 0 mm | right      | 1:1      | 0.003          | 1.038             | 0.003    | 0.001             | 0.001  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.50                 | 13.36           | 0.14     | 0               | Ant 4b               | DLX27004P5TG         | QPSK    | 1         | 99      | 0 mm | left       | 1:1      | 0.030          | 1.033             | 0.031    | 0.011             | 0.011  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.50                 | 13.34           | 0.21     | 0               | Ant 4b               | DLX27004P5TG         | QPSK    | 50        | 0       | 0 mm | left       | 1:1      | 0.033          | 1.038             | 0.034    | 0.013             | 0.013  |  |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT    |       |      |                  |                             |                       |                 |          |                 |                      | Body                 |         |           |         |      |            |          |                |                   |          |                   |        |  |
| Spatial Peak                             |       |      |                  |                             |                       |                 |          |                 |                      | 1.6 W/kg (mW/g)      |         |           |         |      |            |          |                |                   |          |                   |        |  |
| Uncontrolled Exposure/General Population |       |      |                  |                             |                       |                 |          |                 |                      | averaged over 1 gram |         |           |         |      |            |          |                |                   |          |                   |        |  |

**Table 10-29**  
**LTE Band 66 Ant 2a Body SAR**

| MEASUREMENT RESULTS                      |        |      |                   |                             |                       |                 |          |                 |                      |                      |         |           |         |      |            |          |                |                   |          |                   |        |     |
|------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|-----------------|----------|-----------------|----------------------|----------------------|---------|-----------|---------|------|------------|----------|----------------|-------------------|----------|-------------------|--------|-----|
| FREQUENCY                                |        | Mode | Bandwidth (MHz)   | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Dens [dB] | MPR [dB] | Antenna Config. | Device Serial Number | Modulation           | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (dB) | Scaling Factor | Reported SAR (dB) | SAR (dB) | Reported SAR (dB) | Plot # |     |
| MHz                                      | Ch.    |      |                   |                             |                       |                 |          |                 |                      |                      |         |           |         |      |            | (W/kg)   |                |                   | (W/kg)   | (W/kg)            |        |     |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                          | 14.90                 | 14.90           | -0.08    | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 1         | 0       | 0 mm | back       | 1:1      | 1.170          | 1.000             | 1.170    | 0.567             | 0.567  | A11 |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 14.90                 | 14.53           | -0.08    | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 1         | 0       | 0 mm | back       | 1:1      | 1.080          | 1.089             | 1.176    | 0.535             | 0.561  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                          | 14.90                 | 14.72           | -0.02    | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 1         | 50      | 0 mm | back       | 1:1      | 1.140          | 1.042             | 1.188    | 0.543             | 0.566  |     |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                          | 14.90                 | 14.81           | -0.02    | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 50        | 0       | 0 mm | back       | 1:1      | 1.140          | 1.021             | 1.154    | 0.541             | 0.552  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 14.90                 | 14.68           | -0.04    | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 50        | 0       | 0 mm | back       | 1:1      | 1.110          | 1.052             | 1.166    | 0.532             | 0.560  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                          | 14.90                 | 14.80           | -0.02    | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 50        | 50      | 0 mm | back       | 1:1      | 1.160          | 1.023             | 1.187    | 0.551             | 0.564  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                          | 14.90                 | 14.65           | -0.13    | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 100       | 0       | 0 mm | back       | 1:1      | 1.110          | 1.059             | 1.175    | 0.532             | 0.563  |     |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                          | 11.90                 | 11.87           | 0.04     | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 1         | 0       | 0 mm | back       | 1:1      | 0.984          | 1.007             | 0.988    | 0.277             | 0.279  |     |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                          | 11.90                 | 11.65           | -0.03    | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 50        | 0       | 0 mm | back       | 1:1      | 0.990          | 1.059             | 0.625    | 0.276             | 0.292  |     |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                          | 14.90                 | 14.90           | -0.20    | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 1         | 0       | 0 mm | top        | 1:1      | 0.008          | 1.000             | 0.008    | 0.002             | 0.002  |     |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                          | 14.90                 | 14.81           | -0.20    | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 50        | 0       | 0 mm | top        | 1:1      | 0.008          | 1.021             | 0.008    | 0.002             | 0.002  |     |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                          | 14.90                 | 14.90           | -0.04    | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1      | 0.203          | 1.000             | 0.203    | 0.079             | 0.079  |     |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                          | 14.90                 | 14.81           | -0.11    | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 50        | 0       | 0 mm | bottom     | 1:1      | 0.200          | 1.021             | 0.204    | 0.077             | 0.079  |     |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                          | 14.90                 | 14.90           | -0.07    | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 1         | 0       | 0 mm | right      | 1:1      | 0.903          | 1.000             | 0.903    | 0.359             | 0.359  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 14.90                 | 14.53           | -0.05    | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 1         | 0       | 0 mm | right      | 1:1      | 0.862          | 1.089             | 0.939    | 0.342             | 0.372  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                          | 14.90                 | 14.72           | 0.02     | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 1         | 50      | 0 mm | right      | 1:1      | 0.893          | 1.042             | 0.931    | 0.347             | 0.362  |     |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                          | 14.90                 | 14.81           | 0.05     | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 50        | 0       | 0 mm | right      | 1:1      | 0.884          | 1.021             | 0.903    | 0.350             | 0.357  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 14.90                 | 14.68           | -0.03    | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 50        | 0       | 0 mm | right      | 1:1      | 0.875          | 1.052             | 0.921    | 0.345             | 0.363  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                          | 14.90                 | 14.80           | -0.03    | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 50        | 50      | 0 mm | right      | 1:1      | 0.936          | 1.023             | 0.958    | 0.360             | 0.368  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                          | 14.90                 | 14.65           | -0.03    | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 100       | 0       | 0 mm | right      | 1:1      | 0.921          | 1.059             | 0.975    | 0.352             | 0.373  |     |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                          | 11.90                 | 11.87           | -0.03    | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 1         | 0       | 0 mm | right      | 1:1      | 0.417          | 1.007             | 0.420    | 0.172             | 0.173  |     |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                          | 11.90                 | 11.65           | -0.03    | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 50        | 0       | 0 mm | right      | 1:1      | 0.417          | 1.059             | 0.442    | 0.172             | 0.182  |     |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                          | 14.90                 | 14.90           | 0.20     | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 1         | 0       | 0 mm | left       | 1:1      | 0.000          | 1.000             | 0.000    | 0.000             | 0.000  |     |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                          | 14.90                 | 14.81           | 0.20     | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 50        | 0       | 0 mm | left       | 1:1      | 0.000          | 1.021             | 0.000    | 0.000             | 0.000  |     |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                          | 14.90                 | 14.90           | -0.10    | 0               | Ant 2a               | DLX27004P5TG         | QPSK    | 1         | 0       | 0 mm | back       | 1:1      | 1.070          | 1.000             | 1.070    | 0.526             | 0.526  |     |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT    |        |      |                   |                             |                       |                 |          |                 |                      | Body                 |         |           |         |      |            |          |                |                   |          |                   |        |     |
| Spatial Peak                             |        |      |                   |                             |                       |                 |          |                 |                      | 1.6 W/kg (mW/g)      |         |           |         |      |            |          |                |                   |          |                   |        |     |
| Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                 |          |                 |                      | averaged over 1 gram |         |           |         |      |            |          |                |                   |          |                   |        |     |

Note: Blue entry represents variability measurement.

|                                         |                                                                                     |                              |                                        |
|-----------------------------------------|-------------------------------------------------------------------------------------|------------------------------|----------------------------------------|
| FCC ID: BCGA2232                        |  | <b>SAR EVALUATION REPORT</b> | <b>Approved by:</b><br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                              | DUT Type:<br>Tablet Device   | Page 234 of 284                        |

Table 10-30  
LTE Band 66 Ant 2b Body SAR

| MEASUREMENT RESULTS                   |        |      |                    |                             |                       |                  |          |                                          |                      |              |         |           |         |      |            |            |                |                     |            |                      |        |  |
|---------------------------------------|--------|------|--------------------|-----------------------------|-----------------------|------------------|----------|------------------------------------------|----------------------|--------------|---------|-----------|---------|------|------------|------------|----------------|---------------------|------------|----------------------|--------|--|
| FREQUENCY                             |        | Mode | Bandwidth [MHz]    | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power [dBm] [dB] | MPR [dB] | Antenna Config.                          | Device Serial Number | Modulation   | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR [W/kg] | Scaling Factor | Reported SAR [W/kg] | SAR [W/kg] | Reported SAR [W/kg]  | Plot # |  |
| MHz                                   | Ch.    |      |                    |                             |                       |                  |          |                                          |                      |              |         |           |         |      |            | (W/kg)     |                | (W/kg)              | (W/kg)     |                      |        |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 15.10                 | 15.08            | -0.18    | 0                                        | Ant 2b               | DLXZT004P5TG | QPSK    | 1         | 0       | 0 mm | back       | 1:1        | 0.995          | 1.005               | 1.000      | 0.429                | 0.421  |  |
| 1745.00                               | 132322 | Mid  | LTE Band 66 (AWVS) | 20                          | 15.10                 | 14.96            | -0.20    | 0                                        | Ant 2b               | DLXZT004P5TG | QPSK    | 1         | 50      | 0 mm | back       | 1:1        | 0.874          | 1.028               | 0.888      | 0.374                | 0.384  |  |
| 1770.00                               | 132572 | High | LTE Band 66 (AWVS) | 20                          | 15.10                 | 14.99            | -0.19    | 0                                        | Ant 2b               | DLXZT004P5TG | QPSK    | 1         | 99      | 0 mm | back       | 1:1        | 0.866          | 1.026               | 0.889      | 0.367                | 0.377  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 15.10                 | 15.09            | -0.20    | 0                                        | Ant 2b               | DLXZT004P5TG | QPSK    | 50        | 0       | 0 mm | back       | 1:1        | 0.941          | 1.002               | 0.943      | 0.405                | 0.406  |  |
| 1745.00                               | 132322 | Mid  | LTE Band 66 (AWVS) | 20                          | 15.10                 | 15.01            | -0.19    | 0                                        | Ant 2b               | DLXZT004P5TG | QPSK    | 50        | 25      | 0 mm | back       | 1:1        | 0.895          | 1.021               | 0.914      | 0.382                | 0.390  |  |
| 1770.00                               | 132572 | High | LTE Band 66 (AWVS) | 20                          | 15.10                 | 15.02            | -0.20    | 0                                        | Ant 2b               | DLXZT004P5TG | QPSK    | 50        | 50      | 0 mm | back       | 1:1        | 1.030          | 1.019               | 1.050      | 0.402                | 0.410  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 15.10                 | 14.99            | 0.19     | 0                                        | Ant 2b               | DLXZT004P5TG | QPSK    | 100       | 0       | 0 mm | back       | 1:1        | 0.908          | 1.026               | 0.932      | 0.390                | 0.400  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 12.10                 | 11.94            | -0.02    | 0                                        | Ant 2b               | DLXZT004P5TG | QPSK    | 1         | 0       | 0 mm | back       | 1:1        | 0.481          | 1.038               | 0.499      | 0.201                | 0.209  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 12.10                 | 11.79            | -0.03    | 0                                        | Ant 2b               | DLXZT004P5TG | QPSK    | 50        | 25      | 0 mm | back       | 1:1        | 0.458          | 1.074               | 0.492      | 0.191                | 0.205  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 15.10                 | 15.08            | -0.19    | 0                                        | Ant 2b               | DLXZT004P5TG | QPSK    | 1         | 0       | 0 mm | top        | 1:1        | 0.002          | 1.005               | 0.002      | 0.000                | 0.000  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 15.10                 | 15.09            | 0.20     | 0                                        | Ant 2b               | DLXZT004P5TG | QPSK    | 50        | 0       | 0 mm | top        | 1:1        | 0.001          | 1.002               | 0.001      | 0.000                | 0.000  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 15.10                 | 15.08            | -0.01    | 0                                        | Ant 2b               | DLXZT004P5TG | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1        | 0.614          | 1.005               | 0.617      | 0.237                | 0.238  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 15.10                 | 15.09            | 0.00     | 0                                        | Ant 2b               | DLXZT004P5TG | QPSK    | 50        | 0       | 0 mm | bottom     | 1:1        | 0.591          | 1.002               | 0.592      | 0.238                | 0.238  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 15.10                 | 15.08            | 0.11     | 0                                        | Ant 2b               | DLXZT004P5TG | QPSK    | 1         | 0       | 0 mm | right      | 1:1        | 0.095          | 1.005               | 0.095      | 0.021                | 0.021  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 15.10                 | 15.09            | 0.06     | 0                                        | Ant 2b               | DLXZT004P5TG | QPSK    | 50        | 0       | 0 mm | right      | 1:1        | 0.090          | 1.002               | 0.090      | 0.018                | 0.018  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 15.10                 | 15.08            | 0.20     | 0                                        | Ant 2b               | DLXZT004P5TG | QPSK    | 1         | 0       | 0 mm | left       | 1:1        | 0.009          | 1.005               | 0.009      | 0.004                | 0.004  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 15.10                 | 15.09            | -0.04    | 0                                        | Ant 2b               | DLXZT004P5TG | QPSK    | 50        | 0       | 0 mm | left       | 1:1        | 0.009          | 1.002               | 0.009      | 0.004                | 0.004  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT |        |      |                    |                             |                       |                  |          | Body                                     |                      |              |         |           |         |      |            |            |                |                     |            | 1.6 W/kg (mW/g)      |        |  |
| Spatial Peak                          |        |      |                    |                             |                       |                  |          | Uncontrolled Exposure/General Population |                      |              |         |           |         |      |            |            |                |                     |            | averaged over 1 gram |        |  |

Table 10-31  
LTE Band 66 Ant 4a Body SAR

| MEASUREMENT RESULTS                   |        |      |                    |                             |                       |                |          |                                          |                      |              |         |           |         |      |            |         |                |                         |           |                           |        |  |
|---------------------------------------|--------|------|--------------------|-----------------------------|-----------------------|----------------|----------|------------------------------------------|----------------------|--------------|---------|-----------|---------|------|------------|---------|----------------|-------------------------|-----------|---------------------------|--------|--|
| FREQUENCY                             |        | Mode | Bandwidth [MHz]    | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power DUT [dB] | MPR [dB] | Antenna Config.                          | Device Serial Number | Modulation   | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR [g] | Scaling Factor | Reported SAR [g] (W/kg) | SAR [dBg] | Reported SAR [dBg] (mW/g) | Plot # |  |
| MHz                                   | Ch.    |      |                    |                             |                       |                |          |                                          |                      |              |         |           |         |      |            | SAR [g] | SAR [dBg]      | SAR [dBg]               |           |                           |        |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 14.80                 | 14.66          | -0.05    | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 1         | 99      | 0 mm | back       | 1:1     | 0.915          | 1.033                   | 0.945     | 0.464                     | 0.479  |  |
| 1745.00                               | 132322 | Mid  | LTE Band 66 (AWVS) | 20                          | 14.80                 | 14.47          | -0.04    | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 1         | 0       | 0 mm | back       | 1:1     | 0.927          | 1.079                   | 1.000     | 0.467                     | 0.504  |  |
| 1770.00                               | 132572 | High | LTE Band 66 (AWVS) | 20                          | 14.80                 | 14.51          | -0.07    | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 1         | 0       | 0 mm | back       | 1:1     | 0.869          | 1.069                   | 0.929     | 0.426                     | 0.465  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 14.80                 | 14.60          | -0.06    | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 50        | 50      | 0 mm | back       | 1:1     | 0.871          | 1.047                   | 0.912     | 0.440                     | 0.461  |  |
| 1745.00                               | 132322 | Mid  | LTE Band 66 (AWVS) | 20                          | 14.80                 | 14.57          | -0.06    | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 50        | 0       | 0 mm | back       | 1:1     | 0.912          | 1.054                   | 0.961     | 0.459                     | 0.484  |  |
| 1770.00                               | 132572 | High | LTE Band 66 (AWVS) | 20                          | 14.80                 | 14.59          | -0.04    | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 50        | 0       | 0 mm | back       | 1:1     | 0.887          | 1.050                   | 0.931     | 0.442                     | 0.464  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 14.80                 | 14.58          | -0.09    | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 100       | 0       | 0 mm | back       | 1:1     | 0.889          | 1.052                   | 0.895     | 0.452                     | 0.476  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 11.80                 | 11.57          | -0.04    | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 1         | 99      | 0 mm | back       | 1:1     | 0.278          | 1.054                   | 0.293     | 0.144                     | 0.152  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 11.80                 | 11.51          | -0.04    | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 50        | 50      | 0 mm | back       | 1:1     | 0.264          | 1.069                   | 0.282     | 0.137                     | 0.146  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 14.80                 | 14.66          | 0.10     | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 1         | 99      | 0 mm | top        | 1:1     | 0.220          | 1.033                   | 0.227     | 0.084                     | 0.087  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 14.80                 | 14.60          | 0.05     | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 50        | 50      | 0 mm | top        | 1:1     | 0.210          | 1.047                   | 0.220     | 0.080                     | 0.084  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 14.80                 | 14.66          | 0.20     | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 1         | 99      | 0 mm | bottom     | 1:1     | 0.013          | 1.033                   | 0.013     | 0.005                     | 0.005  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 14.80                 | 14.60          | 0.20     | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 50        | 50      | 0 mm | bottom     | 1:1     | 0.010          | 1.047                   | 0.010     | 0.004                     | 0.004  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 14.80                 | 14.66          | 0.20     | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 1         | 99      | 0 mm | right      | 1:1     | 0.000          | 1.033                   | 0.000     | 0.000                     | 0.000  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 14.80                 | 14.60          | 0.21     | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 50        | 50      | 0 mm | right      | 1:1     | 0.000          | 1.047                   | 0.000     | 0.000                     | 0.000  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 14.80                 | 14.66          | -0.06    | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 1         | 99      | 0 mm | left       | 1:1     | 0.823          | 1.033                   | 0.850     | 0.324                     | 0.335  |  |
| 1745.00                               | 132322 | Mid  | LTE Band 66 (AWVS) | 20                          | 14.80                 | 14.47          | -0.04    | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 1         | 0       | 0 mm | left       | 1:1     | 0.824          | 1.079                   | 0.889     | 0.324                     | 0.350  |  |
| 1770.00                               | 132572 | High | LTE Band 66 (AWVS) | 20                          | 14.80                 | 14.51          | -0.07    | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 1         | 0       | 0 mm | left       | 1:1     | 0.843          | 1.069                   | 0.901     | 0.329                     | 0.352  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 14.80                 | 14.60          | -0.04    | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 50        | 50      | 0 mm | left       | 1:1     | 0.804          | 1.047                   | 0.842     | 0.315                     | 0.330  |  |
| 1745.00                               | 132322 | Mid  | LTE Band 66 (AWVS) | 20                          | 14.80                 | 14.57          | -0.06    | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 50        | 0       | 0 mm | left       | 1:1     | 0.818          | 1.054                   | 0.862     | 0.320                     | 0.337  |  |
| 1770.00                               | 132572 | High | LTE Band 66 (AWVS) | 20                          | 14.80                 | 14.59          | -0.05    | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 50        | 0       | 0 mm | left       | 1:1     | 0.852          | 1.050                   | 0.895     | 0.330                     | 0.347  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 14.80                 | 14.58          | -0.06    | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 100       | 0       | 0 mm | left       | 1:1     | 0.779          | 1.052                   | 0.820     | 0.305                     | 0.321  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 11.80                 | 11.57          | 0.10     | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 1         | 99      | 0 mm | left       | 1:1     | 0.328          | 1.054                   | 0.346     | 0.138                     | 0.145  |  |
| 1720.00                               | 132072 | Low  | LTE Band 66 (AWVS) | 20                          | 11.80                 | 11.51          | -0.14    | 0                                        | Ant 4a               | DLXZV008PQKH | QPSK    | 50        | 50      | 0 mm | left       | 1:1     | 0.317          | 1.069                   | 0.339     | 0.133                     | 0.142  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT |        |      |                    |                             |                       |                |          | Body                                     |                      |              |         |           |         |      |            |         |                |                         |           | 1.6 W/kg (mW/g)           |        |  |
| Spatial Peak                          |        |      |                    |                             |                       |                |          | Uncontrolled Exposure/General Population |                      |              |         |           |         |      |            |         |                |                         |           | averaged over 1 gram      |        |  |

|                                         |                                                                                     |  |                            |  |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|--|----------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  |  | SAR EVALUATION REPORT      |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                              |  | DUT Type:<br>Tablet Device |  | Page 235 of 284                 |

Table 10-32  
LTE Band 66 Ant 4b Body SAR

| MEASUREMENT RESULTS                                                                               |       |      |                    |                             |                       |                              |          |                 |                      |                                                 |         |           |         |      |            |         |                |                  |         |                  |        |  |
|---------------------------------------------------------------------------------------------------|-------|------|--------------------|-----------------------------|-----------------------|------------------------------|----------|-----------------|----------------------|-------------------------------------------------|---------|-----------|---------|------|------------|---------|----------------|------------------|---------|------------------|--------|--|
| FREQUENCY                                                                                         |       | Mode | Bandwidth (MHz)    | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Spectral Density (dBm) | MPR (dB) | Antenna Config. | Device Serial Number | Modulation                                      | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (g) | Scaling Factor | Reported SAR (g) | SAR (g) | Reported SAR (g) | Plot # |  |
| MHz                                                                                               | Ch.   |      |                    |                             |                       |                              |          |                 |                      |                                                 |         |           |         |      |            | (W/kg)  |                | (W/kg)           | (W/kg)  |                  |        |  |
| 1720.00                                                                                           | 13072 | Low  | LTE Band 66 (AWVS) | 20                          | 13.50                 | 13.50                        | -0.18    | 0               | Ant 4b               | DLX2T004P5TG                                    | QPSK    | 1         | 50      | 0 mm | back       | 1:1     | 0.845          | 1.000            | 0.845   | 0.238            | 0.238  |  |
| 1745.00                                                                                           | 13232 | Mid  | LTE Band 66 (AWVS) | 20                          | 13.50                 | 13.40                        | -0.20    | 0               | Ant 4b               | DLX2T004P5TG                                    | QPSK    | 1         | 50      | 0 mm | back       | 1:1     | 0.830          | 1.023            | 0.849   | 0.332            | 0.340  |  |
| 1770.00                                                                                           | 13252 | High | LTE Band 66 (AWVS) | 20                          | 13.50                 | 13.14                        | -0.14    | 0               | Ant 4b               | DLX2T004P5TG                                    | QPSK    | 1         | 0       | 0 mm | back       | 1:1     | 0.922          | 1.086            | 1.001   | 0.362            | 0.393  |  |
| 1720.00                                                                                           | 13202 | Low  | LTE Band 66 (AWVS) | 20                          | 13.50                 | 13.49                        | -0.15    | 0               | Ant 4b               | DLX2T004P5TG                                    | QPSK    | 50        | 0       | 0 mm | back       | 1:1     | 0.871          | 1.002            | 0.873   | 0.347            | 0.348  |  |
| 1745.00                                                                                           | 13232 | Mid  | LTE Band 66 (AWVS) | 20                          | 13.50                 | 13.43                        | -0.08    | 0               | Ant 4b               | DLX2T004P5TG                                    | QPSK    | 50        | 50      | 0 mm | back       | 1:1     | 0.920          | 1.016            | 0.935   | 0.363            | 0.369  |  |
| 1770.00                                                                                           | 13252 | High | LTE Band 66 (AWVS) | 20                          | 13.50                 | 13.33                        | -0.11    | 0               | Ant 4b               | DLX2T004P5TG                                    | QPSK    | 50        | 0       | 0 mm | back       | 1:1     | 0.875          | 1.040            | 0.930   | 0.343            | 0.357  |  |
| 1720.00                                                                                           | 13202 | Low  | LTE Band 66 (AWVS) | 20                          | 13.50                 | 13.47                        | -0.16    | 0               | Ant 4b               | DLX2T004P5TG                                    | QPSK    | 100       | 0       | 0 mm | back       | 1:1     | 0.861          | 1.007            | 0.867   | 0.343            | 0.345  |  |
| 1745.00                                                                                           | 13232 | Mid  | LTE Band 66 (AWVS) | 20                          | 10.50                 | 10.50                        | 0.01     | 0               | Ant 4b               | DLX2T004P5TG                                    | QPSK    | 1         | 99      | 0 mm | back       | 1:1     | 0.202          | 1.000            | 0.202   | 0.084            | 0.084  |  |
| 1745.00                                                                                           | 13232 | Mid  | LTE Band 66 (AWVS) | 20                          | 10.50                 | 10.45                        | 0.00     | 0               | Ant 4b               | DLX2T004P5TG                                    | QPSK    | 50        | 50      | 0 mm | back       | 1:1     | 0.204          | 1.012            | 0.206   | 0.085            | 0.086  |  |
| 1720.00                                                                                           | 13202 | Low  | LTE Band 66 (AWVS) | 20                          | 13.50                 | 13.50                        | -0.02    | 0               | Ant 4b               | DLX2T004P5TG                                    | QPSK    | 1         | 50      | 0 mm | top        | 1:1     | 0.963          | 1.000            | 0.963   | 0.229            | 0.229  |  |
| 1720.00                                                                                           | 13202 | Low  | LTE Band 66 (AWVS) | 20                          | 13.50                 | 13.49                        | 0.00     | 0               | Ant 4b               | DLX2T004P5TG                                    | QPSK    | 50        | 0       | 0 mm | top        | 1:1     | 0.603          | 1.002            | 0.604   | 0.235            | 0.235  |  |
| 1720.00                                                                                           | 13202 | Low  | LTE Band 66 (AWVS) | 20                          | 13.50                 | 13.50                        | -0.12    | 0               | Ant 4b               | DLX2T004P5TG                                    | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1     | 0.000          | 1.000            | 0.000   | 0.000            | 0.000  |  |
| 1720.00                                                                                           | 13202 | Low  | LTE Band 66 (AWVS) | 20                          | 13.50                 | 13.49                        | 0.13     | 0               | Ant 4b               | DLX2T004P5TG                                    | QPSK    | 50        | 0       | 0 mm | bottom     | 1:1     | 0.000          | 1.002            | 0.000   | 0.000            | 0.000  |  |
| 1720.00                                                                                           | 13202 | Low  | LTE Band 66 (AWVS) | 20                          | 13.50                 | 13.50                        | -0.18    | 0               | Ant 4b               | DLX2T004P5TG                                    | QPSK    | 1         | 50      | 0 mm | right      | 1:1     | 0.002          | 1.000            | 0.002   | 0.001            | 0.001  |  |
| 1720.00                                                                                           | 13202 | Low  | LTE Band 66 (AWVS) | 20                          | 13.50                 | 13.49                        | -0.19    | 0               | Ant 4b               | DLX2T004P5TG                                    | QPSK    | 50        | 0       | 0 mm | right      | 1:1     | 0.002          | 1.002            | 0.002   | 0.001            | 0.001  |  |
| 1720.00                                                                                           | 13202 | Low  | LTE Band 66 (AWVS) | 20                          | 13.50                 | 13.50                        | 0.19     | 0               | Ant 4b               | DLX2T004P5TG                                    | QPSK    | 1         | 50      | 0 mm | left       | 1:1     | 0.030          | 1.000            | 0.030   | 0.012            | 0.012  |  |
| 1720.00                                                                                           | 13202 | Low  | LTE Band 66 (AWVS) | 20                          | 13.50                 | 13.49                        | 0.19     | 0               | Ant 4b               | DLX2T004P5TG                                    | QPSK    | 50        | 0       | 0 mm | left       | 1:1     | 0.029          | 1.002            | 0.029   | 0.012            | 0.012  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |                    |                             |                       |                              |          |                 |                      | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |         |           |         |      |            |         |                |                  |         |                  |        |  |

Table 10-33  
LTE Band 2 Ant 2a Body SAR

| MEASUREMENT RESULTS                                                                               |       |      |                   |                             |                       |               |          |                 |                      |                                                 |         |           |         |      |            |         |                |                        |                  |                           |        |     |
|---------------------------------------------------------------------------------------------------|-------|------|-------------------|-----------------------------|-----------------------|---------------|----------|-----------------|----------------------|-------------------------------------------------|---------|-----------|---------|------|------------|---------|----------------|------------------------|------------------|---------------------------|--------|-----|
| FREQUENCY                                                                                         |       | Mode | Bandwidth (MHz)   | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Dn (dB) | MPR (dB) | Antenna Config. | Device Serial Number | Modulation                                      | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (W) | Scaling Factor | Reported SAR (50 W/kg) | SAR (20g) (W/kg) | Reported SAR (20g) (W/kg) | Plot # |     |
| MHz                                                                                               | Ch.   |      |                   |                             |                       |               |          |                 |                      |                                                 |         |           |         |      |            | (W/kg)  |                | (W/kg)                 | (W/kg)           |                           |        |     |
| 1880.00                                                                                           | 18700 | Low  | LTE Band 2 (PCIS) | 20                          | 15.00                 | 14.77         | 0.00     | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 1         | 99      | 0 mm | back       | 1:1     | 1.060          | 1.054                  | 1.117            | 0.525                     | 0.553  |     |
| 1880.00                                                                                           | 18900 | Mid  | LTE Band 2 (PCIS) | 20                          | 15.00                 | 14.99         | -0.03    | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 1         | 99      | 0 mm | back       | 1:1     | 1.050          | 1.002                  | 1.052            | 0.519                     | 0.520  |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCIS) | 20                          | 15.00                 | 15.00         | -0.05    | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 1         | 99      | 0 mm | back       | 1:1     | 1.120          | 1.000                  | 1.120            | 0.555                     | 0.555  | A12 |
| 1880.00                                                                                           | 18700 | Low  | LTE Band 2 (PCIS) | 20                          | 15.00                 | 14.92         | 0.02     | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 50        | 50      | 0 mm | back       | 1:1     | 1.030          | 1.019                  | 1.050            | 0.513                     | 0.523  |     |
| 1880.00                                                                                           | 18900 | Mid  | LTE Band 2 (PCIS) | 20                          | 15.00                 | 14.79         | -0.01    | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 50        | 0       | 0 mm | back       | 1:1     | 0.988          | 1.050                  | 1.037            | 0.490                     | 0.515  |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCIS) | 20                          | 15.00                 | 14.99         | 0.01     | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 50        | 50      | 0 mm | back       | 1:1     | 1.010          | 1.002                  | 1.012            | 0.481                     | 0.482  |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCIS) | 20                          | 15.00                 | 14.91         | 0.20     | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 100       | 0       | 0 mm | back       | 1:1     | 1.000          | 1.021                  | 1.052            | 0.499                     | 0.509  |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCIS) | 20                          | 12.00                 | 12.00         | -0.01    | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 1         | 99      | 0 mm | back       | 1:1     | 0.650          | 1.000                  | 0.650            | 0.291                     | 0.291  |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCIS) | 20                          | 12.00                 | 11.94         | -0.01    | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 50        | 50      | 0 mm | back       | 1:1     | 0.617          | 1.014                  | 0.626            | 0.277                     | 0.281  |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCIS) | 20                          | 15.00                 | 15.00         | 0.20     | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 1         | 99      | 0 mm | top        | 1:1     | 0.012          | 1.000                  | 0.012            | 0.005                     | 0.005  |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCIS) | 20                          | 15.00                 | 14.99         | 0.20     | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 50        | 50      | 0 mm | top        | 1:1     | 0.013          | 1.002                  | 0.013            | 0.005                     | 0.005  |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCIS) | 20                          | 15.00                 | 15.00         | -0.02    | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 1         | 99      | 0 mm | bottom     | 1:1     | 0.359          | 1.000                  | 0.359            | 0.127                     | 0.127  |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCIS) | 20                          | 15.00                 | 14.99         | -0.01    | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 50        | 50      | 0 mm | bottom     | 1:1     | 0.338          | 1.002                  | 0.339            | 0.120                     | 0.120  |     |
| 1880.00                                                                                           | 18700 | Low  | LTE Band 2 (PCIS) | 20                          | 15.00                 | 14.77         | -0.03    | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 1         | 99      | 0 mm | right      | 1:1     | 0.854          | 1.054                  | 0.900            | 0.345                     | 0.364  |     |
| 1880.00                                                                                           | 18900 | Mid  | LTE Band 2 (PCIS) | 20                          | 15.00                 | 14.99         | -0.03    | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 1         | 99      | 0 mm | right      | 1:1     | 0.846          | 1.002                  | 0.846            | 0.338                     | 0.339  |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCIS) | 20                          | 15.00                 | 15.00         | 0.02     | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 1         | 99      | 0 mm | right      | 1:1     | 0.927          | 1.000                  | 0.927            | 0.369                     | 0.369  |     |
| 1880.00                                                                                           | 18700 | Low  | LTE Band 2 (PCIS) | 20                          | 15.00                 | 14.92         | -0.02    | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 50        | 50      | 0 mm | right      | 1:1     | 0.825          | 1.019                  | 0.841            | 0.332                     | 0.338  |     |
| 1880.00                                                                                           | 18900 | Mid  | LTE Band 2 (PCIS) | 20                          | 15.00                 | 14.79         | -0.02    | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 50        | 0       | 0 mm | right      | 1:1     | 0.870          | 1.050                  | 0.914            | 0.348                     | 0.365  |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCIS) | 20                          | 15.00                 | 14.99         | -0.06    | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 50        | 50      | 0 mm | right      | 1:1     | 0.888          | 1.002                  | 0.888            | 0.353                     | 0.354  |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCIS) | 20                          | 15.00                 | 14.91         | -0.03    | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 100       | 0       | 0 mm | right      | 1:1     | 0.880          | 1.021                  | 0.898            | 0.350                     | 0.357  |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCIS) | 20                          | 12.00                 | 12.00         | -0.05    | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 1         | 99      | 0 mm | right      | 1:1     | 0.485          | 1.000                  | 0.485            | 0.193                     | 0.193  |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCIS) | 20                          | 12.00                 | 11.94         | -0.07    | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 50        | 50      | 0 mm | right      | 1:1     | 0.467          | 1.014                  | 0.474            | 0.185                     | 0.188  |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCIS) | 20                          | 15.00                 | 15.00         | 0.14     | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 1         | 99      | 0 mm | left       | 1:1     | 0.000          | 1.000                  | 0.000            | 0.000                     | 0.000  |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCIS) | 20                          | 15.00                 | 14.99         | 0.20     | 0               | Ant 2a               | DLX2T004P5TG                                    | QPSK    | 50        | 50      | 0 mm | left       | 1:1     | 0.000          | 1.002                  | 0.000            | 0.000                     | 0.000  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |                   |                             |                       |               |          |                 |                      | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |         |           |         |      |            |         |                |                        |                  |                           |        |     |

|                                         |                                                                                     |                            |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  | SAR EVALUATION REPORT      | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                              | DUT Type:<br>Tablet Device | Page 236 of 284                 |

**Table 10-34**  
**LTE Band 2 Ant 2b Body SAR**

| MEASUREMENT RESULTS                      |       |      |                  |                             |                       |                  |          |                 |                      |                      |         |           |         |      |            |          |                |                   |          |                   |        |
|------------------------------------------|-------|------|------------------|-----------------------------|-----------------------|------------------|----------|-----------------|----------------------|----------------------|---------|-----------|---------|------|------------|----------|----------------|-------------------|----------|-------------------|--------|
| FREQUENCY                                |       | Mode | Bandwidth (MHz)  | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Dens. (dB) | MPR (dB) | Antenna Config. | Device Serial Number | Modulation           | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (dB) | Scaling Factor | Reported SAR (dB) | SAR (dB) | Reported SAR (dB) | Plot # |
| MHz                                      | Ch.   |      |                  |                             |                       |                  |          |                 |                      |                      |         |           |         |      |            | (W/kg)   |                | (W/kg)            | (W/kg)   |                   |        |
| 1880.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.31            | -0.05    | 0               | Ant 2b               | DLXQVLPQKX           | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 0.946          | 1.172             | 1.109    | 0.381             | 0.447  |
| 1880.00                                  | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.32            | -0.08    | 0               | Ant 2b               | DLXQVLPQKX           | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 0.936          | 1.169             | 1.094    | 0.373             | 0.436  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.99            | -0.21    | 0               | Ant 2b               | DLXQVLPQKX           | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 0.953          | 1.002             | 0.955    | 0.381             | 0.382  |
| 1880.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.48            | -0.07    | 0               | Ant 2b               | DLXQVLPQKX           | QPSK    | 50        | 50      | 0 mm | back       | 1:1      | 0.940          | 1.127             | 1.059    | 0.375             | 0.423  |
| 1880.00                                  | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.48            | -0.07    | 0               | Ant 2b               | DLXQVLPQKX           | QPSK    | 50        | 50      | 0 mm | back       | 1:1      | 0.915          | 1.127             | 1.031    | 0.365             | 0.411  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.71            | -0.20    | 0               | Ant 2b               | DLXQVLPQKX           | QPSK    | 50        | 50      | 0 mm | back       | 1:1      | 0.954          | 1.069             | 1.020    | 0.369             | 0.394  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.62            | -0.21    | 0               | Ant 2b               | DLXQVLPQKX           | QPSK    | 100       | 0       | 0 mm | back       | 1:1      | 0.974          | 1.091             | 1.063    | 0.386             | 0.421  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 11.00                 | 11.00            | -0.01    | 0               | Ant 2b               | DLXQVLPQKX           | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 0.517          | 1.000             | 0.517    | 0.203             | 0.203  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 11.00                 | 10.63            | -0.02    | 0               | Ant 2b               | DLXQVLPQKX           | QPSK    | 50        | 50      | 0 mm | back       | 1:1      | 0.509          | 1.089             | 0.554    | 0.199             | 0.217  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.99            | 0.00     | 0               | Ant 2b               | DLXQVLPQKX           | QPSK    | 1         | 99      | 0 mm | top        | 1:1      | 0.000          | 1.002             | 0.000    | 0.000             | 0.000  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.71            | 0.21     | 0               | Ant 2b               | DLXQVLPQKX           | QPSK    | 50        | 50      | 0 mm | top        | 1:1      | 0.000          | 1.069             | 0.000    | 0.000             | 0.000  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.99            | 0.03     | 0               | Ant 2b               | DLXQVLPQKX           | QPSK    | 1         | 99      | 0 mm | bottom     | 1:1      | 0.651          | 1.002             | 0.652    | 0.257             | 0.258  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.71            | 0.00     | 0               | Ant 2b               | DLXQVLPQKX           | QPSK    | 50        | 50      | 0 mm | bottom     | 1:1      | 0.630          | 1.069             | 0.673    | 0.247             | 0.264  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.99            | 0.16     | 0               | Ant 2b               | DLXQVLPQKX           | QPSK    | 1         | 99      | 0 mm | right      | 1:1      | 0.019          | 1.002             | 0.019    | 0.008             | 0.008  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.71            | 0.21     | 0               | Ant 2b               | DLXQVLPQKX           | QPSK    | 50        | 50      | 0 mm | right      | 1:1      | 0.016          | 1.069             | 0.017    | 0.006             | 0.006  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.99            | 0.10     | 0               | Ant 2b               | DLXQVLPQKX           | QPSK    | 1         | 99      | 0 mm | left       | 1:1      | 0.003          | 1.002             | 0.003    | 0.000             | 0.000  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.71            | 0.21     | 0               | Ant 2b               | DLXQVLPQKX           | QPSK    | 50        | 50      | 0 mm | left       | 1:1      | 0.004          | 1.069             | 0.004    | 0.001             | 0.001  |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT    |       |      |                  |                             |                       |                  |          |                 |                      | Body                 |         |           |         |      |            |          |                |                   |          |                   |        |
| Spatial Peak                             |       |      |                  |                             |                       |                  |          |                 |                      | 1.6 W/kg (mW/g)      |         |           |         |      |            |          |                |                   |          |                   |        |
| Uncontrolled Exposure/General Population |       |      |                  |                             |                       |                  |          |                 |                      | averaged over 1 gram |         |           |         |      |            |          |                |                   |          |                   |        |

**Table 10-35**  
**LTE Band 2 Ant 4a Body SAR**

| MEASUREMENT RESULTS                      |       |      |                  |                             |                       |               |          |                 |                      |                      |         |           |         |      |            |          |                |                   |          |                   |        |
|------------------------------------------|-------|------|------------------|-----------------------------|-----------------------|---------------|----------|-----------------|----------------------|----------------------|---------|-----------|---------|------|------------|----------|----------------|-------------------|----------|-------------------|--------|
| FREQUENCY                                |       | Mode | Bandwidth (MHz)  | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Dn (dB) | MPR (dB) | Antenna Config. | Device Serial Number | Modulation           | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (dB) | Scaling Factor | Reported SAR (dB) | SAR (dB) | Reported SAR (dB) | Plot # |
| MHz                                      | Ch.   |      |                  |                             |                       |               |          |                 |                      |                      |         |           |         |      |            | (W/kg)   | (W/kg)         | (W/kg)            |          |                   |        |
| 1880.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.66         | 0.12     | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 1.030          | 1.033             | 1.064    | 0.507             | 0.524  |
| 1880.00                                  | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.72         | -0.01    | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 1.020          | 1.019             | 1.039    | 0.500             | 0.510  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.74         | 0.10     | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 1         | 50      | 0 mm | back       | 1:1      | 1.060          | 1.014             | 1.075    | 0.515             | 0.522  |
| 1880.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.58         | -0.06    | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 50        | 0       | 0 mm | back       | 1:1      | 1.040          | 1.052             | 1.094    | 0.514             | 0.541  |
| 1880.00                                  | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.59         | 0.00     | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 50        | 0       | 0 mm | back       | 1:1      | 1.060          | 1.050             | 1.113    | 0.517             | 0.543  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.80         | -0.12    | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 50        | 25      | 0 mm | back       | 1:1      | 1.070          | 1.000             | 1.070    | 0.520             | 0.520  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.73         | -0.03    | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 100       | 0       | 0 mm | back       | 1:1      | 1.060          | 1.016             | 1.077    | 0.519             | 0.527  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 11.80                 | 11.77         | -0.20    | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 0.556          | 1.007             | 0.560    | 0.252             | 0.254  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 11.80                 | 11.66         | 0.03     | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 50        | 50      | 0 mm | back       | 1:1      | 0.548          | 1.033             | 0.566    | 0.251             | 0.259  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.74         | 0.01     | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 1         | 50      | 0 mm | top        | 1:1      | 0.307          | 1.014             | 0.311    | 0.109             | 0.111  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.80         | 0.01     | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 50        | 25      | 0 mm | top        | 1:1      | 0.304          | 1.000             | 0.304    | 0.109             | 0.109  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.74         | -0.01    | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1      | 0.015          | 1.014             | 0.015    | 0.006             | 0.006  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.80         | -0.04    | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 50        | 25      | 0 mm | bottom     | 1:1      | 0.015          | 1.000             | 0.015    | 0.006             | 0.006  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.74         | 0.00     | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 1         | 50      | 0 mm | right      | 1:1      | 0.000          | 1.014             | 0.000    | 0.000             | 0.000  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.80         | 0.00     | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 50        | 25      | 0 mm | right      | 1:1      | 0.000          | 1.000             | 0.000    | 0.000             | 0.000  |
| 1880.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.66         | -0.01    | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 1         | 99      | 0 mm | left       | 1:1      | 0.811          | 1.033             | 0.838    | 0.320             | 0.331  |
| 1880.00                                  | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.72         | -0.03    | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 1         | 99      | 0 mm | left       | 1:1      | 0.814          | 1.019             | 0.829    | 0.320             | 0.326  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.74         | 0.02     | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 1         | 50      | 0 mm | left       | 1:1      | 0.833          | 1.014             | 0.845    | 0.327             | 0.332  |
| 1880.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.58         | 0.01     | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 50        | 0       | 0 mm | left       | 1:1      | 0.819          | 1.052             | 0.862    | 0.323             | 0.340  |
| 1880.00                                  | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.59         | 0.00     | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 50        | 0       | 0 mm | left       | 1:1      | 0.816          | 1.050             | 0.857    | 0.321             | 0.337  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.80         | 0.02     | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 50        | 25      | 0 mm | left       | 1:1      | 0.847          | 1.000             | 0.847    | 0.331             | 0.331  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.73         | -0.01    | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 100       | 0       | 0 mm | left       | 1:1      | 0.858          | 1.016             | 0.872    | 0.335             | 0.340  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 11.80                 | 11.77         | 0.01     | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 1         | 99      | 0 mm | left       | 1:1      | 0.455          | 1.007             | 0.458    | 0.181             | 0.182  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 11.80                 | 11.66         | -0.07    | 0               | Ant 4a               | DLXQVLPQKX           | QPSK    | 50        | 50      | 0 mm | left       | 1:1      | 0.445          | 1.033             | 0.460    | 0.177             | 0.183  |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT    |       |      |                  |                             |                       |               |          |                 |                      | Body                 |         |           |         |      |            |          |                |                   |          |                   |        |
| Spatial Peak                             |       |      |                  |                             |                       |               |          |                 |                      | 1.6 W/kg (mW/g)      |         |           |         |      |            |          |                |                   |          |                   |        |
| Uncontrolled Exposure/General Population |       |      |                  |                             |                       |               |          |                 |                      | averaged over 1 gram |         |           |         |      |            |          |                |                   |          |                   |        |

|                                         |                                                                                     |                              |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  | <b>SAR EVALUATION REPORT</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                              | DUT Type:<br>Tablet Device   | Page 237 of 284                 |

Table 10-36  
LTE Band 2 Ant 4b Body SAR

| MEASUREMENT RESULTS                                   |       |      |                  |                             |                       |               |          |                 |                      |                                                  |         |           |         |      |            |            |                |                           |                  |                           |        |  |
|-------------------------------------------------------|-------|------|------------------|-----------------------------|-----------------------|---------------|----------|-----------------|----------------------|--------------------------------------------------|---------|-----------|---------|------|------------|------------|----------------|---------------------------|------------------|---------------------------|--------|--|
| FREQUENCY                                             |       | Mode | Bandwidth (MHz)  | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Dn (dB) | MPR (dB) | Antenna Config. | Device Serial Number | Modulation                                       | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (W/kg) | Scaling Factor | Reported SAR (20g) (W/kg) | SAR (10g) (W/kg) | Reported SAR (20g) (W/kg) | Plot # |  |
| MHz                                                   | Ch.   |      |                  |                             |                       |               |          |                 |                      |                                                  |         |           |         |      |            |            |                |                           |                  |                           |        |  |
| 1850.00                                               | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.49         | -0.20    | 0               | Ant 4b               | DLX2V00NPKQKX                                    | QPSK    | 1         | 0       | 0 mm | back       | 1:1        | 0.818          | 1.002                     | 0.820            | 0.347                     | 0.348  |  |
| 1850.00                                               | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.29         | -0.21    | 0               | Ant 4b               | DLX2V00NPKQKX                                    | QPSK    | 1         | 50      | 0 mm | back       | 1:1        | 0.882          | 1.050                     | 0.926            | 0.370                     | 0.389  |  |
| 1900.00                                               | 19100 | High | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.13         | -0.11    | 0               | Ant 4b               | DLX2V00NPKQKX                                    | QPSK    | 1         | 50      | 0 mm | back       | 1:1        | 0.920          | 1.089                     | 1.002            | 0.362                     | 0.394  |  |
| 1850.00                                               | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.48         | -0.20    | 0               | Ant 4b               | DLX2V00NPKQKX                                    | QPSK    | 50        | 0       | 0 mm | back       | 1:1        | 0.811          | 1.005                     | 0.815            | 0.344                     | 0.346  |  |
| 1850.00                                               | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.34         | -0.21    | 0               | Ant 4b               | DLX2V00NPKQKX                                    | QPSK    | 50        | 50      | 0 mm | back       | 1:1        | 0.872          | 1.038                     | 0.905            | 0.366                     | 0.380  |  |
| 1900.00                                               | 19100 | High | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.42         | -0.21    | 0               | Ant 4b               | DLX2V00NPKQKX                                    | QPSK    | 50        | 50      | 0 mm | back       | 1:1        | 0.897          | 1.019                     | 0.914            | 0.374                     | 0.381  |  |
| 1900.00                                               | 19100 | High | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.37         | -0.19    | 0               | Ant 4b               | DLX2V00NPKQKX                                    | QPSK    | 100       | 0       | 0 mm | back       | 1:1        | 0.882          | 1.030                     | 0.908            | 0.369                     | 0.380  |  |
| 1900.00                                               | 19100 | High | LTE Band 2 (PCS) | 20                          | 10.50                 | 10.35         | -0.03    | 0               | Ant 4b               | DLX2V00NPKQKX                                    | QPSK    | 1         | 50      | 0 mm | back       | 1:1        | 0.390          | 1.035                     | 0.404            | 0.155                     | 0.160  |  |
| 1900.00                                               | 19100 | High | LTE Band 2 (PCS) | 20                          | 10.50                 | 10.37         | -0.02    | 0               | Ant 4b               | DLX2V00NPKQKX                                    | QPSK    | 50        | 50      | 0 mm | back       | 1:1        | 0.378          | 1.030                     | 0.389            | 0.151                     | 0.156  |  |
| 1850.00                                               | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.49         | -0.03    | 0               | Ant 4b               | DLX2V00NPKQKX                                    | QPSK    | 1         | 0       | 0 mm | top        | 1:1        | 0.508          | 1.002                     | 0.509            | 0.198                     | 0.198  |  |
| 1850.00                                               | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.48         | -0.02    | 0               | Ant 4b               | DLX2V00NPKQKX                                    | QPSK    | 50        | 0       | 0 mm | top        | 1:1        | 0.519          | 1.005                     | 0.522            | 0.204                     | 0.205  |  |
| 1850.00                                               | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.49         | -0.19    | 0               | Ant 4b               | DLX2V00NPKQKX                                    | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1        | 0.000          | 1.002                     | 0.000            | 0.000                     | 0.000  |  |
| 1850.00                                               | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.48         | 0.00     | 0               | Ant 4b               | DLX2V00NPKQKX                                    | QPSK    | 50        | 0       | 0 mm | bottom     | 1:1        | 0.000          | 1.005                     | 0.000            | 0.000                     | 0.000  |  |
| 1850.00                                               | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.49         | 0.15     | 0               | Ant 4b               | DLX2V00NPKQKX                                    | QPSK    | 1         | 0       | 0 mm | right      | 1:1        | 0.004          | 1.002                     | 0.004            | 0.001                     | 0.001  |  |
| 1850.00                                               | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.48         | 0.12     | 0               | Ant 4b               | DLX2V00NPKQKX                                    | QPSK    | 50        | 0       | 0 mm | right      | 1:1        | 0.004          | 1.005                     | 0.004            | 0.001                     | 0.001  |  |
| 1850.00                                               | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.49         | 0.19     | 0               | Ant 4b               | DLX2V00NPKQKX                                    | QPSK    | 1         | 0       | 0 mm | left       | 1:1        | 0.016          | 1.002                     | 0.016            | 0.007                     | 0.007  |  |
| 1850.00                                               | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.48         | -0.21    | 0               | Ant 4b               | DLX2V00NPKQKX                                    | QPSK    | 50        | 0       | 0 mm | left       | 1:1        | 0.016          | 1.005                     | 0.016            | 0.007                     | 0.007  |  |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT<br>Spatial Peak |       |      |                  |                             |                       |               |          |                 |                      | Body<br>1.6 W/kg (mW/kg)<br>averaged over 1 gram |         |           |         |      |            |            |                |                           |                  |                           |        |  |
| Uncontrolled Exposure/General Population              |       |      |                  |                             |                       |               |          |                 |                      |                                                  |         |           |         |      |            |            |                |                           |                  |                           |        |  |

Table 10-37  
LTE Band 25 Ant 2a Body SAR

| MEASUREMENT RESULTS                      |       |      |                   |                             |                       |               |          |                 |                      |                      |         |           |         |      |            |            |                |                     |           |                     |        |     |
|------------------------------------------|-------|------|-------------------|-----------------------------|-----------------------|---------------|----------|-----------------|----------------------|----------------------|---------|-----------|---------|------|------------|------------|----------------|---------------------|-----------|---------------------|--------|-----|
| FREQUENCY                                |       | Mode | Bandwidth (MHz)   | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Dn (dB) | MPR (dB) | Antenna Config. | Device Serial Number | Modulation           | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (W/kg) | Scaling Factor | Reported SAR (W/kg) | SAR (dBm) | Reported SAR (W/kg) | Plot # |     |
| MHz                                      | Ch.   |      |                   |                             |                       |               |          |                 |                      |                      |         |           |         |      |            | (mW/kg)    |                | (W/kg)              | (dBm)     | (W/kg)              |        |     |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.94         | -0.01    | 0               | Ant 2a               | DLX2T00APSTG         | QPSK    | 1         | 99      | 0 mm | back       | 1:1        | 1.080          | 1.014               | 1.095     | 0.504               | 0.511  |     |
| 1852.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.72         | 0.02     | 0               | Ant 2a               | DLX2T00APSTG         | QPSK    | 1         | 99      | 0 mm | back       | 1:1        | 1.070          | 1.067               | 1.142     | 0.497               | 0.530  |     |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.96         | -0.20    | 0               | Ant 2a               | DLX2T00APSTG         | QPSK    | 1         | 50      | 0 mm | back       | 1:1        | 1.080          | 1.009               | 1.090     | 0.493               | 0.497  |     |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.95         | 0.05     | 0               | Ant 2a               | DLX2T00APSTG         | QPSK    | 50        | 50      | 0 mm | back       | 1:1        | 1.080          | 1.012               | 1.093     | 0.504               | 0.510  |     |
| 1852.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.85         | 0.05     | 0               | Ant 2a               | DLX2T00APSTG         | QPSK    | 50        | 50      | 0 mm | back       | 1:1        | 1.070          | 1.035               | 1.107     | 0.491               | 0.508  |     |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.98         | -0.12    | 0               | Ant 2a               | DLX2T00APSTG         | QPSK    | 50        | 50      | 0 mm | back       | 1:1        | 1.140          | 1.005               | 1.146     | 0.514               | 0.517  |     |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.95         | -0.10    | 0               | Ant 2a               | DLX2T00APSTG         | QPSK    | 100       | 0       | 0 mm | back       | 1:1        | 1.140          | 1.012               | 1.154     | 0.512               | 0.518  | A13 |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.96         | -0.20    | 0               | Ant 2a               | DLX2T00APSTG         | QPSK    | 1         | 50      | 0 mm | top        | 1:1        | 0.010          | 1.009               | 0.010     | 0.004               | 0.004  |     |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.98         | 0.17     | 0               | Ant 2a               | DLX2T00APSTG         | QPSK    | 50        | 50      | 0 mm | top        | 1:1        | 0.011          | 1.005               | 0.011     | 0.005               | 0.005  |     |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.96         | -0.01    | 0               | Ant 2a               | DLX2T00APSTG         | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1        | 0.309          | 1.009               | 0.312     | 0.110               | 0.111  |     |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.98         | -0.04    | 0               | Ant 2a               | DLX2T00APSTG         | QPSK    | 50        | 50      | 0 mm | bottom     | 1:1        | 0.339          | 1.005               | 0.341     | 0.120               | 0.121  |     |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.94         | -0.01    | 0               | Ant 2a               | DLX2T00APSTG         | QPSK    | 1         | 99      | 0 mm | right      | 1:1        | 0.823          | 1.014               | 0.835     | 0.325               | 0.330  |     |
| 1852.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.72         | 0.01     | 0               | Ant 2a               | DLX2T00APSTG         | QPSK    | 1         | 99      | 0 mm | right      | 1:1        | 0.824          | 1.067               | 0.879     | 0.322               | 0.344  |     |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.96         | 0.02     | 0               | Ant 2a               | DLX2T00APSTG         | QPSK    | 1         | 50      | 0 mm | right      | 1:1        | 0.848          | 1.009               | 0.856     | 0.331               | 0.334  |     |
| 1850.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.95         | 0.00     | 0               | Ant 2a               | DLX2T00APSTG         | QPSK    | 50        | 50      | 0 mm | right      | 1:1        | 0.801          | 1.012               | 0.811     | 0.313               | 0.319  |     |
| 1852.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.85         | 0.05     | 0               | Ant 2a               | DLX2T00APSTG         | QPSK    | 50        | 50      | 0 mm | right      | 1:1        | 0.798          | 1.035               | 0.826     | 0.312               | 0.324  |     |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.98         | -0.01    | 0               | Ant 2a               | DLX2T00APSTG         | QPSK    | 50        | 50      | 0 mm | right      | 1:1        | 0.910          | 1.005               | 0.915     | 0.354               | 0.356  |     |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.95         | -0.04    | 0               | Ant 2a               | DLX2T00APSTG         | QPSK    | 100       | 0       | 0 mm | right      | 1:1        | 0.847          | 1.012               | 0.857     | 0.340               | 0.344  |     |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.96         | 0.20     | 0               | Ant 2a               | DLX2T00APSTG         | QPSK    | 1         | 50      | 0 mm | left       | 1:1        | 0.000          | 1.009               | 0.000     | 0.000               | 0.000  |     |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.98         | 0.20     | 0               | Ant 2a               | DLX2T00APSTG         | QPSK    | 50        | 50      | 0 mm | left       | 1:1        | 0.000          | 1.005               | 0.000     | 0.000               | 0.000  |     |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT    |       |      |                   |                             |                       |               |          |                 |                      | Body                 |         |           |         |      |            |            |                |                     |           |                     |        |     |
| Spatial Peak                             |       |      |                   |                             |                       |               |          |                 |                      | 1.6 W/kg (mW/kg)     |         |           |         |      |            |            |                |                     |           |                     |        |     |
| Uncontrolled Exposure/General Population |       |      |                   |                             |                       |               |          |                 |                      | averaged over 1 gram |         |           |         |      |            |            |                |                     |           |                     |        |     |

Table 10-38  
LTE Band 25 Ant 2b Body SAR

| MEASUREMENT RESULTS                      |       |      |                   |                             |                       |                 |          |                 |                      |             |         |           |         |      |            |          |                      |                   |          |                   |        |
|------------------------------------------|-------|------|-------------------|-----------------------------|-----------------------|-----------------|----------|-----------------|----------------------|-------------|---------|-----------|---------|------|------------|----------|----------------------|-------------------|----------|-------------------|--------|
| FREQUENCY                                |       | Mode | Bandwidth (MHz)   | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Dens (dB) | MPR (dB) | Antenna Config. | Device Serial Number | Modulation  | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (dB) | Scaling Factor       | Reported SAR (dB) | SAR (dB) | Reported SAR (dB) | Plot # |
| MHz                                      | Ch.   |      |                   |                             |                       |                 |          |                 |                      |             |         |           |         |      |            | (mW/kg)  | (mW/kg)              | (mW/kg)           | (mW/kg)  |                   |        |
| 1850.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.51           | 0.09     | 0               | Ant 2b               | DLX2V0LPQKX | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 0.854                | 1.119             | 1.000    | 0.360             | 0.403  |
| 1852.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.52           | -0.05    | 0               | Ant 2b               | DLX2V0LPQKX | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 0.963                | 1.117             | 1.076    | 0.384             | 0.429  |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.76           | -0.03    | 0               | Ant 2b               | DLX2V0LPQKX | QPSK    | 1         | 50      | 0 mm | back       | 1:1      | 0.977                | 1.057             | 1.033    | 0.393             | 0.413  |
| 1850.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.49           | 0.03     | 0               | Ant 2b               | DLX2V0LPQKX | QPSK    | 50        | 50      | 0 mm | back       | 1:1      | 0.997                | 1.125             | 1.054    | 0.374             | 0.421  |
| 1852.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.52           | -0.03    | 0               | Ant 2b               | DLX2V0LPQKX | QPSK    | 50        | 50      | 0 mm | back       | 1:1      | 0.940                | 1.117             | 1.050    | 0.374             | 0.418  |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.84           | 0.03     | 0               | Ant 2b               | DLX2V0LPQKX | QPSK    | 50        | 50      | 0 mm | back       | 1:1      | 1.020                | 1.038             | 1.059    | 0.407             | 0.422  |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.75           | 0.00     | 0               | Ant 2b               | DLX2V0LPQKX | QPSK    | 100       | 0       | 0 mm | back       | 1:1      | 0.989                | 1.059             | 1.047    | 0.396             | 0.419  |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.76           | 0.21     | 0               | Ant 2b               | DLX2V0LPQKX | QPSK    | 1         | 50      | 0 mm | top        | 1:1      | 0.000                | 1.057             | 0.000    | 0.000             | 0.000  |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.84           | 0.21     | 0               | Ant 2b               | DLX2V0LPQKX | QPSK    | 50        | 50      | 0 mm | top        | 1:1      | 0.000                | 1.038             | 0.000    | 0.000             | 0.000  |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.76           | -0.12    | 0               | Ant 2b               | DLX2V0LPQKX | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1      | 0.633                | 1.057             | 0.669    | 0.249             | 0.263  |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.84           | -0.09    | 0               | Ant 2b               | DLX2V0LPQKX | QPSK    | 50        | 50      | 0 mm | bottom     | 1:1      | 0.672                | 1.038             | 0.698    | 0.263             | 0.273  |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.76           | 0.21     | 0               | Ant 2b               | DLX2V0LPQKX | QPSK    | 1         | 50      | 0 mm | right      | 1:1      | 0.020                | 1.057             | 0.021    | 0.008             | 0.008  |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.84           | 0.20     | 0               | Ant 2b               | DLX2V0LPQKX | QPSK    | 50        | 50      | 0 mm | right      | 1:1      | 0.021                | 1.038             | 0.022    | 0.009             | 0.009  |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.76           | -0.21    | 0               | Ant 2b               | DLX2V0LPQKX | QPSK    | 1         | 50      | 0 mm | left       | 1:1      | 0.005                | 1.057             | 0.005    | 0.002             | 0.002  |
| 1900.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.84           | 0.21     | 0               | Ant 2b               | DLX2V0LPQKX | QPSK    | 50        | 50      | 0 mm | left       | 1:1      | 0.008                | 1.038             | 0.008    | 0.002             | 0.002  |
| ANSI / IEEE CS-19-02 - SAFETY LIMIT      |       |      |                   |                             |                       |                 |          |                 |                      |             |         |           |         |      |            |          | Body                 |                   |          |                   |        |
| Spatial Peak                             |       |      |                   |                             |                       |                 |          |                 |                      |             |         |           |         |      |            |          | 1.6 W/kg (mW/g)      |                   |          |                   |        |
| Uncontrolled Exposure/General Population |       |      |                   |                             |                       |                 |          |                 |                      |             |         |           |         |      |            |          | averaged over 1 gram |                   |          |                   |        |

## LTE Band 25 Ant 4a Body SAR

| MEASUREMENT RESULTS                      |       |      |                   |                             |                       |                             |          |                 |                      |              |                                                                |           |         |      |            |          |                |                   |          |                   |       |
|------------------------------------------|-------|------|-------------------|-----------------------------|-----------------------|-----------------------------|----------|-----------------|----------------------|--------------|----------------------------------------------------------------|-----------|---------|------|------------|----------|----------------|-------------------|----------|-------------------|-------|
| FREQUENCY                                |       | Mode | Bandwidth (MHz)   | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Spectral Density (dB) | MPR (dB) | Antenna Config. | Device Serial Number | Modulation   | RB Size                                                        | RB Offset | Spacing | Side | Duty Cycle | SAR (kg) | Scaling Factor | Reported SAR (kg) | SAR (kg) | Reported SAR (kg) | Plot  |
| MHz                                      | Ch.   |      |                   |                             |                       |                             |          |                 |                      |              |                                                                |           |         |      |            |          |                | (W/kg)            | (W/kg)   | (W/kg)            |       |
| 1860.00                                  | 26540 | Low  | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.63                       | -0.14    | 0               | Ant 4a               | DLXZVLGPPQXX | QPSK                                                           | 1         | 0       | 0 mm | back       | 1:1      | 1.020          | 1.040             | 1.061    | 0.492             | 0.512 |
| 1860.50                                  | 26585 | Mid  | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.53                       | -0.12    | 0               | Ant 4a               | DLXZVLGPPQXX | QPSK                                                           | 1         | 99      | 0 mm | back       | 1:1      | 1.000          | 1.064             | 1.064    | 0.478             | 0.509 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.66                       | -0.20    | 0               | Ant 4a               | DLXZVLGPPQXX | QPSK                                                           | 1         | 99      | 0 mm | back       | 1:1      | 0.942          | 1.033             | 0.973    | 0.457             | 0.472 |
| 1860.00                                  | 26540 | Low  | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.33                       | -0.13    | 0               | Ant 4a               | DLXZVLGPPQXX | QPSK                                                           | 50        | 0       | 0 mm | back       | 1:1      | 1.000          | 1.114             | 1.114    | 0.480             | 0.526 |
| 1860.50                                  | 26585 | Mid  | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.30                       | -0.17    | 0               | Ant 4a               | DLXZVLGPPQXX | QPSK                                                           | 50        | 0       | 0 mm | back       | 1:1      | 1.030          | 1.122             | 1.136    | 0.488             | 0.548 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.47                       | -0.16    | 0               | Ant 4a               | DLXZVLGPPQXX | QPSK                                                           | 50        | 0       | 0 mm | back       | 1:1      | 0.977          | 1.079             | 1.064    | 0.473             | 0.510 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.34                       | -0.20    | 0               | Ant 4a               | DLXZVLGPPQXX | QPSK                                                           | 100       | 0       | 0 mm | back       | 1:1      | 0.947          | 1.112             | 1.053    | 0.467             | 0.508 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.66                       | -0.01    | 0               | Ant 4a               | DLXZVLGPPQXX | QPSK                                                           | 1         | 99      | 0 mm | top        | 1:1      | 0.270          | 1.033             | 0.279    | 0.099             | 0.102 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.47                       | -0.00    | 0               | Ant 4a               | DLXZVLGPPQXX | QPSK                                                           | 50        | 0       | 0 mm | top        | 1:1      | 0.288          | 1.079             | 0.289    | 0.098             | 0.106 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.66                       | 0.09     | 0               | Ant 4a               | DLXZVLGPPQXX | QPSK                                                           | 1         | 99      | 0 mm | bottom     | 1:1      | 0.012          | 1.033             | 0.012    | 0.004             | 0.004 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.47                       | 0.10     | 0               | Ant 4a               | DLXZVLGPPQXX | QPSK                                                           | 50        | 0       | 0 mm | bottom     | 1:1      | 0.012          | 1.079             | 0.013    | 0.005             | 0.005 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.66                       | 0.09     | 0               | Ant 4a               | DLXZVLGPPQXX | QPSK                                                           | 1         | 99      | 0 mm | right      | 1:1      | 0.000          | 1.033             | 0.000    | 0.000             | 0.000 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.47                       | 0.00     | 0               | Ant 4a               | DLXZVLGPPQXX | QPSK                                                           | 50        | 0       | 0 mm | right      | 1:1      | 0.000          | 1.079             | 0.000    | 0.000             | 0.000 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.66                       | -0.01    | 0               | Ant 4a               | DLXZVLGPPQXX | QPSK                                                           | 1         | 99      | 0 mm | left       | 1:1      | 0.762          | 1.033             | 0.787    | 0.307             | 0.331 |
| 1860.00                                  | 26540 | Low  | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.33                       | -0.02    | 0               | Ant 4a               | DLXZVLGPPQXX | QPSK                                                           | 50        | 0       | 0 mm | left       | 1:1      | 0.741          | 1.114             | 0.825    | 0.302             | 0.336 |
| 1860.50                                  | 26585 | Mid  | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.30                       | -0.20    | 0               | Ant 4a               | DLXZVLGPPQXX | QPSK                                                           | 50        | 0       | 0 mm | left       | 1:1      | 0.710          | 1.122             | 0.797    | 0.296             | 0.331 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.47                       | 0.01     | 0               | Ant 4a               | DLXZVLGPPQXX | QPSK                                                           | 50        | 0       | 0 mm | left       | 1:1      | 0.717          | 1.079             | 0.774    | 0.303             | 0.327 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.34                       | -0.20    | 0               | Ant 4a               | DLXZVLGPPQXX | QPSK                                                           | 100       | 0       | 0 mm | left       | 1:1      | 0.711          | 1.112             | 0.791    | 0.296             | 0.328 |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |       |      |                   |                             |                       |                             |          |                 |                      |              | Body<br>Spatial Peak<br>1.6 W/kg (avg)<br>averaged over 1 gram |           |         |      |            |          |                |                   |          |                   |       |
| Uncontrolled Exposure/General Population |       |      |                   |                             |                       |                             |          |                 |                      |              |                                                                |           |         |      |            |          |                |                   |          |                   |       |

## LTE Band 25 Ant 4b Body SAR

| MEASUREMENT RESULTS                      |       |      |                   |                             |                       |                  |          |                 |                      |                     |         |           |         |      |            |            |                |                          |                  |                           |       |
|------------------------------------------|-------|------|-------------------|-----------------------------|-----------------------|------------------|----------|-----------------|----------------------|---------------------|---------|-----------|---------|------|------------|------------|----------------|--------------------------|------------------|---------------------------|-------|
| FREQUENCY                                |       | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Spill [dB] | MPR [dB] | Antenna Config. | Device Serial Number | Modulation          | RB Size | RB Offset | Spacing | Type | Sub Cycles | SAR [W/kg] | Scaling Factor | Reported SAR (1g) [W/kg] | SAR (10g) [W/kg] | Reported SAR (10g) [W/kg] | Pass  |
| MHz                                      | Ch.   |      |                   |                             |                       |                  |          |                 |                      |                     |         |           |         |      |            | (W/kg)     |                | (W/kg)                   | (W/kg)           |                           |       |
| 1860.00                                  | 26540 | Low  | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.27            | -0.09    | 0               | Art 4b               | DLX2008PQKX         | QPSK    | 1         | 0       | 0 mm | back       | 1.1        | 0.799          | 1.054                    | 0.842            | 0.323                     | 0.340 |
| 1862.50                                  | 26565 | Mid  | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.34            | -0.19    | 0               | Art 4b               | DLX2008PQKX         | QPSK    | 1         | 50      | 0 mm | back       | 1.1        | 0.967          | 1.038                    | 1.004            | 0.382                     | 0.397 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.42            | -0.20    | 0               | Art 4b               | DLX2008PQKX         | QPSK    | 1         | 50      | 0 mm | back       | 1.1        | 0.955          | 1.019                    | 0.973            | 0.377                     | 0.384 |
| 1905.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.49            | -0.19    | 0               | Art 4b               | DLX2008PQKX         | QPSK    | 50        | 0       | 0 mm | back       | 1.1        | 0.825          | 1.002                    | 0.827            | 0.329                     | 0.330 |
| 1862.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.45            | -0.21    | 0               | Art 4b               | DLX2008PQKX         | QPSK    | 50        | 25      | 0 mm | back       | 1.1        | 0.973          | 1.012                    | 0.985            | 0.383                     | 0.388 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.50            | -0.20    | 0               | Art 4b               | DLX2008PQKX         | QPSK    | 50        | 0       | 0 mm | back       | 1.1        | 0.949          | 1.000                    | 0.949            | 0.374                     | 0.374 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.41            | -0.20    | 0               | Art 4b               | DLX2008PQKX         | QPSK    | 100       | 0       | 0 mm | back       | 1.1        | 0.967          | 1.021                    | 0.987            | 0.377                     | 0.385 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.42            | -0.04    | 0               | Art 4b               | DLX2008PQKX         | QPSK    | 1         | 50      | 0 mm | top        | 1.1        | 0.618          | 1.019                    | 0.630            | 0.240                     | 0.245 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.50            | -0.06    | 0               | Art 4b               | DLX2008PQKX         | QPSK    | 50        | 0       | 0 mm | top        | 1.1        | 0.619          | 1.000                    | 0.619            | 0.240                     | 0.240 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.42            | -0.38    | 0               | Art 4b               | DLX2008PQKX         | QPSK    | 1         | 50      | 0 mm | bottom     | 1.1        | 0.001          | 1.019                    | 0.001            | 0.000                     | 0.000 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.50            | 0.20     | 0               | Art 4b               | DLX2008PQKX         | QPSK    | 50        | 0       | 0 mm | bottom     | 1.1        | 0.000          | 1.000                    | 0.000            | 0.000                     | 0.000 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.42            | 0.21     | 0               | Art 4b               | DLX2008PQKX         | QPSK    | 1         | 50      | 0 mm | right      | 1.1        | 0.006          | 1.019                    | 0.006            | 0.002                     | 0.002 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.50            | 0.10     | 0               | Art 4b               | DLX2008PQKX         | QPSK    | 50        | 0       | 0 mm | right      | 1.1        | 0.007          | 1.000                    | 0.007            | 0.002                     | 0.002 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.42            | 0.10     | 0               | Art 4b               | DLX2008PQKX         | QPSK    | 1         | 50      | 0 mm | left       | 1.1        | 0.020          | 1.019                    | 0.020            | 0.009                     | 0.009 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.50            | 0.20     | 0               | Art 4b               | DLX2008PQKX         | QPSK    | 50        | 0       | 0 mm | left       | 1.1        | 0.018          | 1.000                    | 0.018            | 0.008                     | 0.008 |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT    |       |      |                   |                             |                       |                  |          |                 |                      | Body                |         |           |         |      |            |            |                |                          |                  |                           |       |
| Uncontrolled Exposure/General Population |       |      |                   |                             |                       |                  |          |                 |                      | 1.6 W/kg (avg)      |         |           |         |      |            |            |                |                          |                  |                           |       |
|                                          |       |      |                   |                             |                       |                  |          |                 |                      | per ANSI C63.1 1992 |         |           |         |      |            |            |                |                          |                  |                           |       |

### LTE Band 30 Ant 2a Body SAR

| MEASUREMENT RESULTS                                   |        |      |                 |                     |                       |                |          |                 |                      |                                          |         |           |         |      |            |          |                |              |              |              |           |
|-------------------------------------------------------|--------|------|-----------------|---------------------|-----------------------|----------------|----------|-----------------|----------------------|------------------------------------------|---------|-----------|---------|------|------------|----------|----------------|--------------|--------------|--------------|-----------|
| FREQUENCY                                             |        | Mode | Bandwidth (MHz) | Maximum Power (dBm) | Conducted Power (dBm) | Power DnB (dB) | MPE (dB) | Antenna Config. | Device Serial Number | Modulation                               | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (dB) | Scaling Factor | Reported SAR | Reported SAR | Reported SAR | Pass/Fail |
| MHz                                                   | Ch.    |      |                 |                     |                       |                |          |                 |                      |                                          |         |           |         |      |            |          |                | (dBm)        | (dBm)        | (dBm)        |           |
| 2310.0                                                | 2775.0 | Md   | LTE Band 30     | 10                  | 14.00                 | 13.24          | -0.01    | 0               | Ant 2a               | DLX2T000P5TSG                            | QPSK    | 1         | 25      | 0 mm | back       | 1:1      | 0.775          | 1.191        | 0.923        | 0.348        | 0.414     |
| 2310.0                                                | 2775.0 | Md   | LTE Band 30     | 10                  | 14.00                 | 13.48          | 0.00     | 0               | Ant 2a               | DLX2T000P5TSG                            | QPSK    | 25        | 12      | 0 mm | back       | 1:1      | 0.740          | 1.127        | 0.834        | 0.280        | 0.372     |
| 2310.0                                                | 2775.0 | Md   | LTE Band 30     | 10                  | 14.00                 | 13.23          | -0.01    | 0               | Ant 2a               | DLX2T000P5TSG                            | QPSK    | 50        | 0       | 0 mm | back       | 1:1      | 0.741          | 1.194        | 0.885        | 0.231        | 0.395     |
| 2310.0                                                | 2775.0 | Md   | LTE Band 30     | 10                  | 11.00                 | 10.01          | 0.01     | 0               | Ant 2a               | DLX2T000P5TSG                            | QPSK    | 1         | 25      | 0 mm | back       | 1:1      | 0.341          | 1.256        | 0.428        | 0.158        | 0.198     |
| 2310.0                                                | 2775.0 | Md   | LTE Band 30     | 10                  | 11.00                 | 9.94           | -0.01    | 0               | Ant 2a               | DLX2T000P5TSG                            | QPSK    | 25        | 25      | 0 mm | back       | 1:1      | 0.332          | 1.276        | 0.424        | 0.152        | 0.194     |
| 2310.0                                                | 2775.0 | Md   | LTE Band 30     | 10                  | 14.00                 | 13.24          | 0.21     | 0               | Ant 2a               | DLX2T000P5TSG                            | QPSK    | 1         | 25      | 0 mm | top        | 1:1      | 0.619          | 1.191        | 0.923        | 0.009        | 0.011     |
| 2310.0                                                | 2775.0 | Md   | LTE Band 30     | 10                  | 14.00                 | 12.48          | -0.02    | 0               | Ant 2a               | DLX2T000P5TSG                            | QPSK    | 25        | 12      | 0 mm | top        | 1:1      | 0.059          | 1.127        | 0.021        | 0.009        | 0.050     |
| 2310.0                                                | 2775.0 | Md   | LTE Band 30     | 10                  | 14.00                 | 13.24          | -0.02    | 0               | Ant 2a               | DLX2T000P5TSG                            | QPSK    | 1         | 25      | 0 mm | bottom     | 1:1      | 0.390          | 1.191        | 0.429        | 0.117        | 0.139     |
| 2310.0                                                | 2775.0 | Md   | LTE Band 30     | 10                  | 14.00                 | 13.48          | 0.00     | 0               | Ant 2a               | DLX2T000P5TSG                            | QPSK    | 25        | 12      | 0 mm | bottom     | 1:1      | 0.353          | 1.127        | 0.398        | 0.114        | 0.128     |
| 2310.0                                                | 2775.0 | Md   | LTE Band 30     | 10                  | 14.00                 | 13.24          | 0.01     | 0               | Ant 2a               | DLX2T000P5TSG                            | QPSK    | 1         | 25      | 0 mm | right      | 1:1      | 0.429          | 1.191        | 0.511        | 0.158        | 0.188     |
| 2310.0                                                | 2775.0 | Md   | LTE Band 30     | 10                  | 14.00                 | 13.48          | 0.02     | 0               | Ant 2a               | DLX2T000P5TSG                            | QPSK    | 25        | 12      | 0 mm | right      | 1:1      | 0.405          | 1.127        | 0.479        | 0.156        | 0.176     |
| 2310.0                                                | 2775.0 | Md   | LTE Band 30     | 10                  | 14.00                 | 13.24          | 0.1      | 0               | Ant 2a               | DLX2T000P5TSG                            | QPSK    | 1         | 25      | 0 mm | left       | 1:1      | 0.004          | 1.191        | 0.005        | 0.002        | 0.002     |
| 2310.0                                                | 2775.0 | Md   | LTE Band 30     | 10                  | 14.00                 | 13.48          | 0.21     | 0               | Ant 2a               | DLX2T000P5TSG                            | QPSK    | 25        | 12      | 0 mm | left       | 1:1      | 0.004          | 1.127        | 0.005        | 0.002        | 0.002     |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT<br>Spatial Peak |        |      |                 |                     |                       |                |          |                 |                      | Body<br>1.6 W/kg (mW/g)<br>average 1.0 m |         |           |         |      |            |          |                |              |              |              |           |
| Uncontrolled Toxicity/General Population              |        |      |                 |                     |                       |                |          |                 |                      |                                          |         |           |         |      |            |          |                |              |              |              |           |

|                                                |                                                                                                                  |                                   |                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>SAR EVALUATION REPORT</b> |                                   | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                                    | <b>DUT Type:</b><br>Tablet Device | Page 239 of 284                        |

Table 10-42  
LTE Band 30 Ant 2b Body SAR

| MEASUREMENT RESULTS                                   |       |      |                 |                             |                       |                 |          |                 |                      |                                                 |         |           |         |      |            |                 |                |                          |                  |                           |        |
|-------------------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|-----------------|----------|-----------------|----------------------|-------------------------------------------------|---------|-----------|---------|------|------------|-----------------|----------------|--------------------------|------------------|---------------------------|--------|
| FREQUENCY                                             |       | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Out [dBm] | MPR [dB] | Antenna Config. | Device Serial Number | Modulation                                      | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (1g) [W/kg] | Scaling Factor | Reported SAR (1g) [W/kg] | SAR (10g) [W/kg] | Reported SAR (10g) [W/kg] | Plot # |
| MHz                                                   | Ch.   |      |                 |                             |                       |                 |          |                 |                      |                                                 |         |           |         |      |            |                 |                |                          |                  |                           |        |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 12.57           | -0.04    | 0               | Ant 2b               | DLX2R017P53F                                    | QPSK    | 1         | 25      | 0 mm | back       | 1:1             | 0.875          | 1.130                    | 0.989            | 0.328                     | 0.371  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 12.60           | -0.05    | 0               | Ant 2b               | DLX2R017P53F                                    | QPSK    | 25        | 12      | 0 mm | back       | 1:1             | 0.877          | 1.122                    | 0.984            | 0.328                     | 0.368  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 12.56           | -0.04    | 0               | Ant 2b               | DLX2R017P53F                                    | QPSK    | 50        | 0       | 0 mm | back       | 1:1             | 0.920          | 1.132                    | 1.041            | 0.336                     | 0.380  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 10.10                 | 10.06           | 0.11     | 0               | Ant 2b               | DLX2R017P53F                                    | QPSK    | 1         | 25      | 0 mm | back       | 1:1             | 0.466          | 1.009                    | 0.470            | 0.175                     | 0.177  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 10.10                 | 10.04           | 0.00     | 0               | Ant 2b               | DLX2R017P53F                                    | QPSK    | 25        | 0       | 0 mm | back       | 1:1             | 0.909          | 1.014                    | 0.916            | 0.185                     | 0.188  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 12.57           | 0.21     | 0               | Ant 2b               | DLX2R017P53F                                    | QPSK    | 1         | 25      | 0 mm | top        | 1:1             | 0.004          | 1.130                    | 0.005            | 0.002                     | 0.002  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 12.60           | 0.20     | 0               | Ant 2b               | DLX2R017P53F                                    | QPSK    | 25        | 12      | 0 mm | top        | 1:1             | 0.004          | 1.122                    | 0.004            | 0.002                     | 0.002  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 12.57           | -0.02    | 0               | Ant 2b               | DLX2R017P53F                                    | QPSK    | 1         | 25      | 0 mm | bottom     | 1:1             | 0.400          | 1.130                    | 0.452            | 0.147                     | 0.166  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 12.60           | 0.01     | 0               | Ant 2b               | DLX2R017P53F                                    | QPSK    | 25        | 12      | 0 mm | bottom     | 1:1             | 0.405          | 1.122                    | 0.454            | 0.148                     | 0.166  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 12.57           | 0.06     | 0               | Ant 2b               | DLX2R017P53F                                    | QPSK    | 1         | 25      | 0 mm | right      | 1:1             | 0.034          | 1.130                    | 0.038            | 0.016                     | 0.018  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 12.60           | 0.14     | 0               | Ant 2b               | DLX2R017P53F                                    | QPSK    | 25        | 12      | 0 mm | right      | 1:1             | 0.034          | 1.122                    | 0.038            | 0.016                     | 0.018  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 12.57           | 0.14     | 0               | Ant 2b               | DLX2R017P53F                                    | QPSK    | 1         | 25      | 0 mm | left       | 1:1             | 0.025          | 1.130                    | 0.028            | 0.011                     | 0.012  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 12.60           | 0.20     | 0               | Ant 2b               | DLX2R017P53F                                    | QPSK    | 25        | 12      | 0 mm | left       | 1:1             | 0.024          | 1.122                    | 0.027            | 0.011                     | 0.012  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |       |      |                 |                             |                       |                 |          |                 |                      | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |         |           |         |      |            |                 |                |                          |                  |                           |        |
| Uncontrolled Exposure/General Population              |       |      |                 |                             |                       |                 |          |                 |                      |                                                 |         |           |         |      |            |                 |                |                          |                  |                           |        |

Table 10-43  
LTE Band 30 Ant 4a Body SAR

| MEASUREMENT RESULTS                                   |       |      |                 |                             |                       |                 |          |                 |                      |              |         |                                                 |         |      |            |          |                |                   |                  |                           |        |
|-------------------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|-----------------|----------|-----------------|----------------------|--------------|---------|-------------------------------------------------|---------|------|------------|----------|----------------|-------------------|------------------|---------------------------|--------|
| FREQUENCY                                             |       | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Out [dBm] | MPR [dB] | Antenna Config. | Device Serial Number | Modulation   | RB Size | RB Offset                                       | Spacing | Side | Duty Cycle | SAR (dB) | Scaling Factor | Reported SAR (dB) | SAR (10g) [W/kg] | Reported SAR (10g) [W/kg] | Plot # |
| MHz                                                   | Ch.   |      |                 |                             |                       |                 |          |                 |                      |              |         |                                                 |         |      |            |          |                |                   |                  |                           |        |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.35           | 0.20     | 0               | Ant 4a               | DLX2T00P53TG | QPSK    | 1                                               | 0       | 0 mm | back       | 1:1      | 0.806          | 1.035             | 0.834            | 0.367                     | 0.380  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.12           | -0.06    | 0               | Ant 4a               | DLX2T00P53TG | QPSK    | 25                                              | 0       | 0 mm | back       | 1:1      | 0.826          | 1.091             | 0.901            | 0.378                     | 0.412  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.11           | 0.02     | 0               | Ant 4a               | DLX2T00P53TG | QPSK    | 50                                              | 0       | 0 mm | back       | 1:1      | 0.805          | 1.094             | 0.881            | 0.368                     | 0.403  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 10.10                 | 10.32           | -0.20    | 0               | Ant 4a               | DLX2T00P53TG | QPSK    | 1                                               | 25      | 0 mm | back       | 1:1      | 0.417          | 1.042             | 0.435            | 0.191                     | 0.199  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 10.10                 | 10.50           | -0.08    | 0               | Ant 4a               | DLX2T00P53TG | QPSK    | 25                                              | 25      | 0 mm | back       | 1:1      | 0.442          | 1.000             | 0.442            | 0.199                     | 0.199  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.35           | -0.07    | 0               | Ant 4a               | DLX2T00P53TG | QPSK    | 1                                               | 0       | 0 mm | top        | 1:1      | 0.314          | 1.035             | 0.325            | 0.104                     | 0.108  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.12           | 0.07     | 0               | Ant 4a               | DLX2T00P53TG | QPSK    | 25                                              | 0       | 0 mm | top        | 1:1      | 0.316          | 1.091             | 0.345            | 0.105                     | 0.115  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.35           | 0.20     | 0               | Ant 4a               | DLX2T00P53TG | QPSK    | 1                                               | 0       | 0 mm | bottom     | 1:1      | 0.020          | 1.035             | 0.021            | 0.010                     | 0.010  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.12           | -0.06    | 0               | Ant 4a               | DLX2T00P53TG | QPSK    | 25                                              | 0       | 0 mm | bottom     | 1:1      | 0.021          | 1.091             | 0.023            | 0.010                     | 0.011  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.35           | 0.20     | 0               | Ant 4a               | DLX2T00P53TG | QPSK    | 1                                               | 0       | 0 mm | right      | 1:1      | 0.002          | 1.035             | 0.002            | 0.001                     | 0.001  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.12           | -0.20    | 0               | Ant 4a               | DLX2T00P53TG | QPSK    | 25                                              | 0       | 0 mm | right      | 1:1      | 0.003          | 1.091             | 0.003            | 0.002                     | 0.002  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.35           | 0.01     | 0               | Ant 4a               | DLX2T00P53TG | QPSK    | 1                                               | 0       | 0 mm | left       | 1:1      | 0.477          | 1.035             | 0.494            | 0.183                     | 0.189  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.12           | 0.05     | 0               | Ant 4a               | DLX2T00P53TG | QPSK    | 25                                              | 0       | 0 mm | left       | 1:1      | 0.492          | 1.091             | 0.537            | 0.188                     | 0.205  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |       |      |                 |                             |                       |                 |          |                 |                      |              |         | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |         |      |            |          |                |                   |                  |                           |        |
| Uncontrolled Exposure/General Population              |       |      |                 |                             |                       |                 |          |                 |                      |              |         |                                                 |         |      |            |          |                |                   |                  |                           |        |

Table 10-44  
LTE Band 30 Ant 4b Body SAR

| MEASUREMENT RESULTS                                   |       |      |                 |                             |                       |                 |          |                 |                      |                                                 |         |           |         |      |            |                 |                |                          |                  |                           |        |
|-------------------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|-----------------|----------|-----------------|----------------------|-------------------------------------------------|---------|-----------|---------|------|------------|-----------------|----------------|--------------------------|------------------|---------------------------|--------|
| FREQUENCY                                             |       | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Out [dBm] | MPR [dB] | Antenna Config. | Device Serial Number | Modulation                                      | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (1g) [W/kg] | Scaling Factor | Reported SAR (1g) [W/kg] | SAR (10g) [W/kg] | Reported SAR (10g) [W/kg] | Plot # |
| MHz                                                   | Ch.   |      |                 |                             |                       |                 |          |                 |                      |                                                 |         |           |         |      |            |                 |                |                          |                  |                           |        |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.32           | -0.02    | 0               | Ant 4b               | DLX2T00P53TG                                    | QPSK    | 1         | 0       | 0 mm | back       | 1:1             | 0.944          | 1.042                    | 0.984            | 0.360                     | 0.375  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.25           | 0.02     | 0               | Ant 4b               | DLX2T00P53TG                                    | QPSK    | 25        | 0       | 0 mm | back       | 1:1             | 0.967          | 1.059                    | 1.024            | 0.366                     | 0.388  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.24           | 0.01     | 0               | Ant 4b               | DLX2T00P53TG                                    | QPSK    | 50        | 0       | 0 mm | back       | 1:1             | 1.020          | 1.062                    | 1.083            | 0.373                     | 0.396  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 10.10                 | 10.23           | -0.12    | 0               | Ant 4b               | DLX2T00P53TG                                    | QPSK    | 1         | 25      | 0 mm | back       | 1:1             | 0.561          | 1.064                    | 0.597            | 0.206                     | 0.219  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 10.10                 | 10.28           | 0.01     | 0               | Ant 4b               | DLX2T00P53TG                                    | QPSK    | 25        | 25      | 0 mm | back       | 1:1             | 0.562          | 1.052                    | 0.591            | 0.208                     | 0.219  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.32           | 0.00     | 0               | Ant 4b               | DLX2T00P53TG                                    | QPSK    | 1         | 0       | 0 mm | top        | 1:1             | 0.600          | 1.042                    | 0.625            | 0.221                     | 0.230  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.25           | 0.00     | 0               | Ant 4b               | DLX2T00P53TG                                    | QPSK    | 25        | 0       | 0 mm | top        | 1:1             | 0.597          | 1.059                    | 0.632            | 0.219                     | 0.232  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.32           | 0.21     | 0               | Ant 4b               | DLX2T00P53TG                                    | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1             | 0.905          | 1.042                    | 0.905            | 0.303                     | 0.303  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.25           | 0.14     | 0               | Ant 4b               | DLX2T00P53TG                                    | QPSK    | 25        | 0       | 0 mm | bottom     | 1:1             | 0.005          | 1.059                    | 0.005            | 0.003                     | 0.003  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.32           | 0.21     | 0               | Ant 4b               | DLX2T00P53TG                                    | QPSK    | 1         | 0       | 0 mm | right      | 1:1             | 0.023          | 1.042                    | 0.024            | 0.011                     | 0.011  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.25           | 0.20     | 0               | Ant 4b               | DLX2T00P53TG                                    | QPSK    | 25        | 0       | 0 mm | right      | 1:1             | 0.023          | 1.059                    | 0.024            | 0.011                     | 0.012  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.32           | 0.11     | 0               | Ant 4b               | DLX2T00P53TG                                    | QPSK    | 1         | 0       | 0 mm | left       | 1:1             | 0.044          | 1.042                    | 0.046            | 0.019                     | 0.020  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.25           | -0.14    | 0               | Ant 4b               | DLX2T00P53TG                                    | QPSK    | 25        | 0       | 0 mm | left       | 1:1             | 0.043          | 1.059                    | 0.046            | 0.019                     | 0.020  |
| 2310.00                                               | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 13.24           | -0.20    | 0               | Ant 4b               | DLX2T00P53TG                                    | QPSK    | 50        | 0       | 0 mm | back       | 1:1             | 0.975          | 1.062                    | 1.035            | 0.370                     | 0.393  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |       |      |                 |                             |                       |                 |          |                 |                      | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |         |           |         |      |            |                 |                |                          |                  |                           |        |
| Uncontrolled Exposure/General Population              |       |      |                 |                             |                       |                 |          |                 |                      |                                                 |         |           |         |      |            |                 |                |                          |                  |                           |        |

Note: Blue entry represents variability measurement.

|                                         |                                                                                     |  |                            |  |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|--|----------------------------|--|---------------------------------|
| FCC ID: BCGA2232                        |  |  | SAR EVALUATION REPORT      |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                              |  | DUT Type:<br>Tablet Device |  | Page 240 of 284                 |

**Table 10-45**  
**LTE Band 7 Ant 2a Body SAR**

| MEASUREMENT RESULTS                                                                               |                   |           |       |      |                 |                             |                       |                                     |          |                 |                      |                                                 |         |           |         |      |            |                  |                |                           |                  |                           |        |
|---------------------------------------------------------------------------------------------------|-------------------|-----------|-------|------|-----------------|-----------------------------|-----------------------|-------------------------------------|----------|-----------------|----------------------|-------------------------------------------------|---------|-----------|---------|------|------------|------------------|----------------|---------------------------|------------------|---------------------------|--------|
| # CC Uplink                                                                                       | Component Carrier | FREQUENCY |       | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Spectral Density [dBm/100kHz] | MPE [dB] | Antenna Config. | Device Serial Number | Modulation                                      | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (Sig) [W/kg] | Scaling Factor | Reported SAR (Sig) [W/kg] | SAR (Sig) [W/kg] | Reported SAR (Sig) [W/kg] | Plot # |
|                                                                                                   |                   | MHz       | Ch.   |      |                 |                             |                       |                                     |          |                 |                      |                                                 |         |           |         |      |            |                  |                |                           |                  |                           |        |
| 1 CC Uplink                                                                                       | NA                | 2530.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.10                 | 14.10                               | -0.02    | 0               | Ant 2a               | DLXQV6BPQKX                                     | QPSK    | 1         | 0       | 0 mm | back       | 1.1              | 0.844          | 1.000                     | 0.844            | 0.363                     | 0.363  |
| 1 CC Uplink                                                                                       | NA                | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 14.10                 | 14.08                               | -0.06    | 0               | Ant 2a               | DLXQV6BPQKX                                     | QPSK    | 1         | 0       | 0 mm | back       | 1.1              | 0.866          | 1.000                     | 0.870            | 0.369                     | 0.370  |
| 1 CC Uplink                                                                                       | NA                | 2590.00   | 21300 | High | LTE Band 7      | 20                          | 14.10                 | 13.75                               | -0.03    | 0               | Ant 2a               | DLXQV6BPQKX                                     | QPSK    | 1         | 90      | 0 mm | back       | 1.1              | 0.889          | 1.004                     | 0.941            | 0.364                     | 0.395  |
| 1 CC Uplink                                                                                       | NA                | 2530.00   | 20953 | Low  | LTE Band 7      | 20                          | 14.10                 | 14.00                               | 0.03     | 0               | Ant 2a               | DLXQV6BPQKX                                     | QPSK    | 50        | 0       | 0 mm | back       | 1.1              | 0.781          | 1.023                     | 0.799            | 0.324                     | 0.342  |
| 1 CC Uplink                                                                                       | NA                | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 14.10                 | 13.82                               | 0.01     | 0               | Ant 2a               | DLXQV6BPQKX                                     | QPSK    | 50        | 0       | 0 mm | back       | 1.1              | 0.890          | 1.007                     | 0.950            | 0.376                     | 0.403  |
| 1 CC Uplink                                                                                       | NA                | 2590.00   | 21300 | High | LTE Band 7      | 20                          | 14.10                 | 13.89                               | -0.02    | 0               | Ant 2a               | DLXQV6BPQKX                                     | QPSK    | 50        | 0       | 0 mm | back       | 1.1              | 0.835          | 1.050                     | 0.877            | 0.362                     | 0.370  |
| 1 CC Uplink                                                                                       | NA                | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.10                 | 13.99                               | -0.02    | 0               | Ant 2a               | DLXQV6BPQKX                                     | QPSK    | 100       | 0       | 0 mm | back       | 1.1              | 0.924          | 1.026                     | 0.948            | 0.393                     | 0.403  |
| 1 CC Uplink                                                                                       | NA                | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 11.10                 | 11.04                               | -0.20    | 0               | Ant 2a               | DLXQV6BPQKX                                     | QPSK    | 1         | 0       | 0 mm | back       | 1.1              | 0.406          | 1.014                     | 0.422            | 0.176                     | 0.178  |
| 1 CC Uplink                                                                                       | NA                | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 11.10                 | 10.89                               | -0.19    | 0               | Ant 2a               | DLXQV6BPQKX                                     | QPSK    | 50        | 0       | 0 mm | back       | 1.1              | 0.410          | 1.050                     | 0.431            | 0.178                     | 0.187  |
| 2 CC Uplink                                                                                       | PCC               | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 14.10                 | 13.70                               | -0.02    | 0               | Ant 2a               | DLXQV6BPQKX                                     | QPSK    | 50        | 0       | 0 mm | back       | 1.1              | 0.880          | 1.006                     | 0.964            | 0.375                     | 0.411  |
| 1 CC Uplink                                                                                       | NA                | 2530.00   | 20953 | Low  | LTE Band 7      | 20                          | 14.10                 | 14.10                               | 0.01     | 0               | Ant 2a               | DLXQV6BPQKX                                     | QPSK    | 1         | 0       | 0 mm | top        | 1.1              | 0.021          | 1.000                     | 0.021            | 0.007                     | 0.007  |
| 1 CC Uplink                                                                                       | NA                | 2530.00   | 20953 | Low  | LTE Band 7      | 20                          | 14.10                 | 14.00                               | -0.02    | 0               | Ant 2a               | DLXQV6BPQKX                                     | QPSK    | 50        | 0       | 0 mm | top        | 1.1              | 0.022          | 1.023                     | 0.023            | 0.008                     | 0.008  |
| 1 CC Uplink                                                                                       | NA                | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.10                 | 14.10                               | 0.00     | 0               | Ant 2a               | DLXQV6BPQKX                                     | QPSK    | 1         | 0       | 0 mm | bottom     | 1.1              | 0.531          | 1.000                     | 0.531            | 0.160                     | 0.160  |
| 1 CC Uplink                                                                                       | NA                | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.10                 | 14.00                               | -0.03    | 0               | Ant 2a               | DLXQV6BPQKX                                     | QPSK    | 50        | 0       | 0 mm | bottom     | 1.1              | 0.546          | 1.023                     | 0.559            | 0.164                     | 0.168  |
| 1 CC Uplink                                                                                       | NA                | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.10                 | 14.10                               | 0.07     | 0               | Ant 2a               | DLXQV6BPQKX                                     | QPSK    | 1         | 0       | 0 mm | right      | 1.1              | 0.425          | 1.000                     | 0.425            | 0.147                     | 0.147  |
| 1 CC Uplink                                                                                       | NA                | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.10                 | 14.00                               | -0.01    | 0               | Ant 2a               | DLXQV6BPQKX                                     | QPSK    | 50        | 0       | 0 mm | right      | 1.1              | 0.457          | 1.023                     | 0.468            | 0.158                     | 0.162  |
| 1 CC Uplink                                                                                       | NA                | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.10                 | 14.10                               | -0.10    | 0               | Ant 2a               | DLXQV6BPQKX                                     | QPSK    | 1         | 0       | 0 mm | left       | 1.1              | 0.002          | 1.000                     | 0.002            | 0.000                     | 0.000  |
| 1 CC Uplink                                                                                       | NA                | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.10                 | 14.00                               | 0.20     | 0               | Ant 2a               | DLXQV6BPQKX                                     | QPSK    | 50        | 0       | 0 mm | left       | 1.1              | 0.001          | 1.023                     | 0.001            | 0.000                     | 0.000  |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |                   |           |       |      |                 |                             |                       |                                     |          |                 |                      | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |         |           |         |      |            |                  |                |                           |                  |                           |        |

**Table 10-46**  
**LTE Band 7 Ant 2b Body SAR**

| MEASUREMENT RESULTS                                                                               |                   |           |       |      |                 |                             |                       |                                     |          |                                                 |                      |              |         |           |         |      |            |                  |                |                           |                  |                           |        |
|---------------------------------------------------------------------------------------------------|-------------------|-----------|-------|------|-----------------|-----------------------------|-----------------------|-------------------------------------|----------|-------------------------------------------------|----------------------|--------------|---------|-----------|---------|------|------------|------------------|----------------|---------------------------|------------------|---------------------------|--------|
| # CC Uplink                                                                                       | Component Carrier | FREQUENCY |       | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Spectral Density [dBm/100kHz] | MPE [dB] | Antenna Config.                                 | Device Serial Number | Modulation   | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (Sig) [W/kg] | Scaling Factor | Reported SAR (Sig) [W/kg] | SAR (Sig) [W/kg] | Reported SAR (Sig) [W/kg] | Plot # |
| 1 CC Uplink                                                                                       | NA                | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 11.80                 | 11.60                               | 0.02     | 0                                               | Ant 2b               | DLXCT700P57G | QPSK    | 1         | 0       | 0 mm | back       | 1.1              | 0.994          | 1.047                     | 1.041            | 0.349                     | 0.365  |
| 1 CC Uplink                                                                                       | NA                | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 11.80                 | 11.63                               | 0.00     | 0                                               | Ant 2b               | DLXCT700P57G | QPSK    | 1         | 0       | 0 mm | back       | 1.1              | 0.990          | 1.040                     | 1.030            | 0.344                     | 0.358  |
| 1 CC Uplink                                                                                       | NA                | 2590.00   | 21300 | High | LTE Band 7      | 20                          | 11.80                 | 11.40                               | -0.04    | 0                                               | Ant 2b               | DLXCT700P57G | QPSK    | 1         | 90      | 0 mm | back       | 1.1              | 0.893          | 1.096                     | 0.979            | 0.311                     | 0.341  |
| 1 CC Uplink                                                                                       | NA                | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 11.80                 | 11.44                               | -0.08    | 0                                               | Ant 2b               | DLXCT700P57G | QPSK    | 50        | 0       | 0 mm | back       | 1.1              | 0.979          | 1.086                     | 1.063            | 0.344                     | 0.374  |
| 1 CC Uplink                                                                                       | NA                | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 11.80                 | 11.45                               | -0.01    | 0                                               | Ant 2b               | DLXCT700P57G | QPSK    | 50        | 0       | 0 mm | back       | 1.1              | 0.995          | 1.084                     | 1.079            | 0.345                     | 0.374  |
| 1 CC Uplink                                                                                       | NA                | 2580.00   | 21300 | High | LTE Band 7      | 20                          | 11.80                 | 11.23                               | -0.01    | 0                                               | Ant 2b               | DLXCT700P57G | QPSK    | 50        | 0       | 0 mm | back       | 1.1              | 0.954          | 1.140                     | 1.089            | 0.329                     | 0.374  |
| 1 CC Uplink                                                                                       | NA                | 2510.00   | 21100 | Mid  | LTE Band 7      | 20                          | 11.80                 | 11.37                               | -0.02    | 0                                               | Ant 2b               | DLXCT700P57G | QPSK    | 100       | 0       | 0 mm | back       | 1.1              | 0.957          | 1.154                     | 1.057            | 0.333                     | 0.368  |
| 1 CC Uplink                                                                                       | NA                | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 8.80                  | 8.80                                | -0.18    | 0                                               | Ant 2b               | DLXCT700P57G | QPSK    | 1         | 0       | 0 mm | back       | 1.1              | 0.544          | 1.000                     | 0.544            | 0.194                     | 0.194  |
| 1 CC Uplink                                                                                       | NA                | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 8.80                  | 8.63                                | -0.20    | 0                                               | Ant 2b               | DLXCT700P57G | QPSK    | 50        | 0       | 0 mm | back       | 1.1              | 0.521          | 1.040                     | 0.542            | 0.189                     | 0.197  |
| 2 CC Uplink                                                                                       | PCC               | 2590.00   | 21300 | High | LTE Band 7      | 20                          | 11.80                 | 11.14                               | -0.02    | 0                                               | Ant 2b               | DLXCT700P57G | QPSK    | 50        | 0       | 0 mm | back       | 1.1              | 0.960          | 1.154                     | 1.117            | 0.343                     | 0.399  |
| 2 CC Uplink                                                                                       | SCC               | 2540.00   | 21152 | High | LTE Band 7      | 20                          | 11.80                 | 11.63                               | 0.00     | 0                                               | Ant 2b               | DLXCT700P57G | QPSK    | 50        | 50      | 0 mm | back       | 1.1              | 0.000          | 1.040                     | 0.000            | 0.000                     | 0.000  |
| 1 CC Uplink                                                                                       | NA                | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 11.80                 | 11.63                               | 0.00     | 0                                               | Ant 2b               | DLXCT700P57G | QPSK    | 1         | 0       | 0 mm | top        | 1.1              | 0.000          | 1.040                     | 0.000            | 0.000                     | 0.000  |
| 1 CC Uplink                                                                                       | NA                | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 11.80                 | 11.45                               | 0.00     | 0                                               | Ant 2b               | DLXCT700P57G | QPSK    | 50        | 0       | 0 mm | top        | 1.1              | 0.000          | 1.084                     | 0.000            | 0.000                     | 0.000  |
| 1 CC Uplink                                                                                       | NA                | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 11.80                 | 11.63                               | -0.04    | 0                                               | Ant 2b               | DLXCT700P57G | QPSK    | 1         | 0       | 0 mm | bottom     | 1.1              | 0.340          | 1.040                     | 0.354            | 0.117                     | 0.122  |
| 1 CC Uplink                                                                                       | NA                | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 11.80                 | 11.45                               | 0.02     | 0                                               | Ant 2b               | DLXCT700P57G | QPSK    | 50        | 0       | 0 mm | bottom     | 1.1              | 0.343          | 1.084                     | 0.372            | 0.118                     | 0.128  |
| 1 CC Uplink                                                                                       | NA                | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 11.80                 | 11.63                               | 0.13     | 0                                               | Ant 2b               | DLXCT700P57G | QPSK    | 1         | 0       | 0 mm | right      | 1.1              | 0.034          | 1.040                     | 0.035            | 0.013                     | 0.014  |
| 1 CC Uplink                                                                                       | NA                | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 11.80                 | 11.45                               | 0.08     | 0                                               | Ant 2b               | DLXCT700P57G | QPSK    | 50        | 0       | 0 mm | right      | 1.1              | 0.034          | 1.084                     | 0.037            | 0.013                     | 0.014  |
| 1 CC Uplink                                                                                       | NA                | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 11.80                 | 11.63                               | 0.14     | 0                                               | Ant 2b               | DLXCT700P57G | QPSK    | 1         | 0       | 0 mm | left       | 1.1              | 0.022          | 1.040                     | 0.023            | 0.008                     | 0.008  |
| 1 CC Uplink                                                                                       | NA                | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 11.80                 | 11.45                               | 0.21     | 0                                               | Ant 2b               | DLXCT700P57G | QPSK    | 50        | 0       | 0 mm | left       | 1.1              | 0.024          | 1.084                     | 0.026            | 0.009                     | 0.010  |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |                   |           |       |      |                 |                             |                       |                                     |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |              |         |           |         |      |            |                  |                |                           |                  |                           |        |

**Table 10-47**  
**LTE Band 7 Ant 4a Body SAR**

| MEASUREMENT RESULTS                        |                   |           |       |      |                 |                             |                       |                                     |          |                 |                      |                  |         |           |         |      |            |                  |                |                           |                  |                           |        |
|--------------------------------------------|-------------------|-----------|-------|------|-----------------|-----------------------------|-----------------------|-------------------------------------|----------|-----------------|----------------------|------------------|---------|-----------|---------|------|------------|------------------|----------------|---------------------------|------------------|---------------------------|--------|
| # CC Uplink                                | Component Carrier | FREQUENCY |       | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Spectral Density [dBm/100kHz] | MPE [dB] | Antenna Config. | Device Serial Number | Modulation       | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (Sig) [W/kg] | Scaling Factor | Reported SAR (Sig) [W/kg] | SAR (Sig) [W/kg] | Reported SAR (Sig) [W/kg] | Plot # |
| 1 CC Uplink                                | NA                | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.60                 | 14.60                               | -0.03    | 0               | Ant 4a               | DLXQV6BPQKX      | QPSK    | 1         | 90      | 0 mm | back       | 1.1              | 1.020          | 1.000                     | 1.020            | 0.432                     | 0.432  |
| 1 CC Uplink                                | NA                | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 14.60                 | 14.46                               | -0.01    | 0               | Ant 4a               | DLXQV6BPQKX      | QPSK    | 1         | 90      | 0 mm | back       | 1.1              | 0.912          | 1.033                     | 0.960            | 0.395                     | 0.406  |
| 1 CC Uplink                                | NA                | 2590.00   | 21300 | High | LTE Band 7      | 20                          | 14.60                 | 14.33                               | -0.01    | 0               | Ant 4a               | DLXQV6BPQKX      | QPSK    | 1         | 90      | 0 mm | back       | 1.1              | 0.831          | 1.054                     | 0.884            | 0.349                     | 0.371  |
| 1 CC Uplink                                | NA                | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.60                 | 14.53                               | 0.01     | 0               | Ant 4a               | DLXQV6BPQKX      | QPSK    | 50        | 50      | 0 mm | back       | 1.1              | 1.010          | 1.016                     | 1.026            | 0.428                     | 0.435  |
| 1 CC Uplink                                | NA                | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 14.60                 | 14.33                               | -0.03    | 0               | Ant 4a               | DLXQV6BPQKX      | QPSK    | 50        | 50      | 0 mm | back       | 1.1              | 0.924          | 1.054                     | 0.980            | 0.389                     | 0.414  |
| 1 CC Uplink                                | NA                | 2590.00   | 21300 | High | LTE Band 7      | 20                          | 14.60                 | 14.24                               | -0.01    | 0               | Ant 4a               | DLXQV6BPQKX      | QPSK    | 50        | 50      | 0 mm | back       | 1.1              | 0.809          | 1.086                     | 0.879            | 0.337                     | 0.366  |
| 1 CC Uplink                                | NA                | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.60                 | 14.45                               | 0.00     | 0               | Ant 4a               | DLXQV6BPQKX      | QPSK    | 100       | 0       | 0 mm | back       | 1.1              | 0.961          | 1.035                     | 0.984            | 0.405                     | 0.419  |
| 1 CC Uplink                                | NA                | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 11.60                 | 11.56                               | 0.21     | 0               | Ant 4a               | DLXQV6BPQKX      | QPSK    | 1         | 90      | 0 mm | back       | 1.1              | 0.544          | 1.009                     | 0.549            | 0.230                     | 0.232  |
| 1 CC Uplink                                | NA                | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 11.60                 | 11.48                               | -0.20    | 0               | Ant 4a               | DLXQV6BPQKX      | QPSK    | 50        | 50      | 0 mm | back       | 1.1              | 0.533          | 1.028                     | 0.548            | 0.224                     | 0.230  |
| 2 CC Uplink                                | PCC               | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.60                 | 14.42                               | 0.20     | 0               | Ant 4a               | DLXQV6BPQKX      | QPSK    | 50        | 50      | 0 mm | back       | 1.1              | 1.030          | 1.042                     | 1.073            | 0.437                     | 0.455  |
| 2 CC Uplink                                | SCC               | 2529.80   | 21048 | Low  | LTE Band 7      | 20                          | 14.60                 | 14.42                               | 0.20     | 0               | Ant 4a               | DLXQV6BPQKX      | QPSK    | 50        | 0       | 0 mm | back       | 1.1              | 1.030          | 1.042                     | 1.073            | 0.437                     | 0.455  |
| 1 CC Uplink                                | NA                | 2535.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.60                 | 14.60                               | -0.12    | 0               | Ant 4a               | DLXQV6BPQKX      | QPSK    | 1         | 90      | 0 mm | top        | 1.1              | 0.908          | 1.000                     | 0.938            | 0.363                     | 0.385  |
| 1 CC Uplink                                | NA                | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.60                 | 14.52                               | -0.07    | 0               | Ant 4a               | DLXQV6BPQKX      | QPSK    | 50        | 0       | 0 mm | top        | 1.1              | 0.908          | 1.016                     | 0.916            | 0.363                     | 0.385  |
| 1 CC Uplink                                | NA                | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.60                 | 14.60                               | 0.12     | 0               | Ant 4a               | DLXQV6BPQKX      | QPSK    | 1         | 90      | 0 mm | bottom     | 1.1              | 0.917          | 1.000                     | 0.917            | 0.367                     | 0.387  |
| 1 CC Uplink                                | NA                | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.60                 | 14.53                               | 0.14     | 0               | Ant 4a               | DLXQV6BPQKX      | QPSK    | 50        | 50      | 0 mm | bottom     | 1.1              | 0.918          | 1.016                     | 0.918            | 0.367                     | 0.387  |
| 1 CC Uplink                                | NA                | 2535.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.60                 | 14.60                               | -0.15    | 0               | Ant 4a               | DLXQV6BPQKX      | QPSK    | 1         | 90      | 0 mm | right      | 1.1              | 0.901          | 1.000                     | 0.901            | 0.360                     | 0.380  |
| 1 CC Uplink                                | NA                | 2535.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.60                 | 14.53                               | 0.12     | 0               | Ant 4a               | DLXQV6BPQKX      | QPSK    | 50        | 50      | 0 mm | right      | 1.1              | 0.901          | 1.016                     | 0.901            | 0.360                     | 0.380  |
| 1 CC Uplink                                | NA                | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.60                 | 14.60                               | 0.06     | 0               | Ant 4a               | DLXQV6BPQKX      | QPSK    | 1         | 90      | 0 mm | left       | 1.1              | 0.912          | 1.000                     | 0.912            | 0.391                     | 0.411  |
| 1 CC Uplink                                | NA                | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.60                 | 14.53                               | 0.08     | 0               | Ant 4a               | DLXQV6BPQKX      | QPSK    | 50        | 50      | 0 mm | left       | 1.1              | 0.962          | 1.016                     | 0.971            | 0.387                     | 0.410  |
| ANSI / IEEE C63.11-1992 - SAFETY LIMIT     |                   |           |       |      |                 |                             |                       |                                     |          |                 |                      | Body             |         |           |         |      |            |                  |                |                           |                  |                           |        |
| Special Peak                               |                   |           |       |      |                 |                             |                       |                                     |          |                 |                      | 1.6 W/kg (mW/g)  |         |           |         |      |            |                  |                |                           |                  |                           |        |
| Uncontrolled Exposure (General Population) |                   |           |       |      |                 |                             |                       |                                     |          |                 |                      | 0.08 W/kg (mW/g) |         |           |         |      |            |                  |                |                           |                  |                           |        |

Table 10-48  
LTE Band 7 Ant 4b Body SAR

| MEASUREMENT RESULTS                                                                               |                   |           |       |      |                 |                             |                       |                                 |          |                                                 |                      |             |         |           |         |      |            |                 |                |                          |                 |                          |        |
|---------------------------------------------------------------------------------------------------|-------------------|-----------|-------|------|-----------------|-----------------------------|-----------------------|---------------------------------|----------|-------------------------------------------------|----------------------|-------------|---------|-----------|---------|------|------------|-----------------|----------------|--------------------------|-----------------|--------------------------|--------|
| # CC Uplink                                                                                       | Component Carrier | FREQUENCY |       | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Spectral Density [dBm/Hz] | MPE [dB] | Antenna Config.                                 | Device Serial Number | Modulation  | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (2g) [W/kg] | Scaling Factor | Reported SAR (2g) [W/kg] | SAR (2g) [W/kg] | Reported SAR (2g) [W/kg] | Plot # |
|                                                                                                   |                   | Mhz       | Ch    |      |                 |                             |                       |                                 |          |                                                 |                      |             |         |           |         |      |            |                 |                |                          |                 |                          |        |
| 1 CC Uplink                                                                                       | N/A               | 2550.00   | 20850 | Low  | LTE Band 7      | 20                          | 12.50                 | 12.44                           | -0.01    | 0                                               | Ant 4b               | DLX2700P57G | QPSK    | 1         | 0       | 0 mm | back       | 1.1             | 1.030          | 1.034                    | 1.044           | 0.368                    | 0.373  |
| 1 CC Uplink                                                                                       | N/A               | 2550.00   | 21300 | Mid  | LTE Band 7      | 20                          | 12.50                 | 12.27                           | -0.08    | 0                                               | Ant 4b               | DLX2700P57G | QPSK    | 1         | 99      | 0 mm | back       | 1.1             | 1.030          | 1.054                    | 1.086           | 0.362                    | 0.382  |
| 1 CC Uplink                                                                                       | N/A               | 2550.00   | 21350 | High | LTE Band 7      | 20                          | 12.50                 | 12.32                           | -0.03    | 0                                               | Ant 4b               | DLX2700P57G | QPSK    | 1         | 99      | 0 mm | back       | 1.1             | 1.040          | 1.042                    | 1.084           | 0.369                    | 0.374  |
| 1 CC Uplink                                                                                       | N/A               | 2550.00   | 20850 | Low  | LTE Band 7      | 20                          | 12.50                 | 12.22                           | -0.02    | 0                                               | Ant 4b               | DLX2700P57G | QPSK    | 50        | 50      | 0 mm | back       | 1.1             | 1.040          | 1.067                    | 1.110           | 0.367                    | 0.392  |
| 1 CC Uplink                                                                                       | N/A               | 2550.00   | 21300 | Mid  | LTE Band 7      | 20                          | 12.50                 | 12.13                           | -0.02    | 0                                               | Ant 4b               | DLX2700P57G | QPSK    | 50        | 50      | 0 mm | back       | 1.1             | 1.060          | 1.089                    | 1.134           | 0.371                    | 0.404  |
| 1 CC Uplink                                                                                       | N/A               | 2550.00   | 21350 | High | LTE Band 7      | 20                          | 12.50                 | 12.21                           | -0.03    | 0                                               | Ant 4b               | DLX2700P57G | QPSK    | 50        | 50      | 0 mm | back       | 1.1             | 1.010          | 1.066                    | 1.080           | 0.349                    | 0.373  |
| 1 CC Uplink                                                                                       | N/A               | 2550.00   | 20850 | Low  | LTE Band 7      | 20                          | 12.50                 | 12.21                           | -0.01    | 0                                               | Ant 4b               | DLX2700P57G | QPSK    | 100       | 0       | 0 mm | back       | 1.1             | 1.030          | 1.068                    | 1.090           | 0.360                    | 0.385  |
| 1 CC Uplink                                                                                       | N/A               | 2550.00   | 21350 | High | LTE Band 7      | 20                          | 9.50                  | 9.21                            | -0.02    | 0                                               | Ant 4b               | DLX2700P57G | QPSK    | 1         | 50      | 0 mm | back       | 1.1             | 0.522          | 1.068                    | 0.558           | 0.180                    | 0.192  |
| 1 CC Uplink                                                                                       | N/A               | 2550.00   | 21350 | High | LTE Band 7      | 20                          | 9.50                  | 9.30                            | -0.20    | 0                                               | Ant 4b               | DLX2700P57G | QPSK    | 50        | 25      | 0 mm | back       | 1.1             | 0.480          | 1.047                    | 0.503           | 0.169                    | 0.177  |
| 2 CC Uplink                                                                                       | PCC               | 2550.00   | 21300 | Mid  | LTE Band 7      | 20                          | 12.50                 | 12.10                           | -0.04    | 0                                               | Ant 4b               | DLX2700P57G | QPSK    | 50        | 50      | 0 mm | back       | 1.1             | 1.020          | 1.056                    | 1.118           | 0.370                    | 0.406  |
| 2 CC Uplink                                                                                       | SCC               | 2554.80   | 21398 | Mid  | LTE Band 7      | 20                          | 12.50                 | 12.10                           | -0.04    | 0                                               | Ant 4b               | DLX2700P57G | QPSK    | 50        | 0       | 0 mm | back       | 1.1             | 1.020          | 1.056                    | 1.118           | 0.370                    | 0.406  |
| 1 CC Uplink                                                                                       | N/A               | 2550.00   | 20850 | Low  | LTE Band 7      | 20                          | 12.50                 | 12.44                           | -0.06    | 0                                               | Ant 4b               | DLX2700P57G | QPSK    | 1         | 0       | 0 mm | top        | 1.1             | 0.386          | 1.034                    | 0.391           | 0.125                    | 0.137  |
| 1 CC Uplink                                                                                       | N/A               | 2550.00   | 20850 | Low  | LTE Band 7      | 20                          | 12.50                 | 12.22                           | -0.02    | 0                                               | Ant 4b               | DLX2700P57G | QPSK    | 50        | 50      | 0 mm | top        | 1.1             | 0.401          | 1.067                    | 0.428           | 0.140                    | 0.149  |
| 1 CC Uplink                                                                                       | N/A               | 2550.00   | 20850 | Low  | LTE Band 7      | 20                          | 12.50                 | 12.44                           | 0.15     | 0                                               | Ant 4b               | DLX2700P57G | QPSK    | 1         | 0       | 0 mm | bottom     | 1.1             | 0.002          | 1.034                    | 0.002           | 0.000                    | 0.000  |
| 1 CC Uplink                                                                                       | N/A               | 2550.00   | 20850 | Low  | LTE Band 7      | 20                          | 12.50                 | 12.22                           | -0.20    | 0                                               | Ant 4b               | DLX2700P57G | QPSK    | 50        | 50      | 0 mm | bottom     | 1.1             | 0.002          | 1.067                    | 0.002           | 0.000                    | 0.000  |
| 1 CC Uplink                                                                                       | N/A               | 2550.00   | 20850 | Low  | LTE Band 7      | 20                          | 12.50                 | 12.44                           | 0.09     | 0                                               | Ant 4b               | DLX2700P57G | QPSK    | 1         | 0       | 0 mm | right      | 1.1             | 0.020          | 1.034                    | 0.020           | 0.008                    | 0.008  |
| 1 CC Uplink                                                                                       | N/A               | 2550.00   | 20850 | Low  | LTE Band 7      | 20                          | 12.50                 | 12.22                           | -0.03    | 0                                               | Ant 4b               | DLX2700P57G | QPSK    | 50        | 50      | 0 mm | right      | 1.1             | 0.023          | 1.067                    | 0.025           | 0.009                    | 0.010  |
| 1 CC Uplink                                                                                       | N/A               | 2550.00   | 20850 | Low  | LTE Band 7      | 20                          | 12.50                 | 12.44                           | 0.00     | 0                                               | Ant 4b               | DLX2700P57G | QPSK    | 1         | 0       | 0 mm | left       | 1.1             | 0.049          | 1.034                    | 0.050           | 0.019                    | 0.019  |
| 1 CC Uplink                                                                                       | N/A               | 2550.00   | 20850 | Low  | LTE Band 7      | 20                          | 12.50                 | 12.22                           | 0.12     | 0                                               | Ant 4b               | DLX2700P57G | QPSK    | 50        | 50      | 0 mm | left       | 1.1             | 0.053          | 1.067                    | 0.057           | 0.021                    | 0.022  |
| ANSI / IEEE C63.1 1997 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |                   |           |       |      |                 |                             |                       |                                 |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |             |         |           |         |      |            |                 |                |                          |                 |                          |        |

Table 10-49  
LTE Band 41 Ant 2a Body SAR

| MEASUREMENT RESULTS                      |                   |           |       |          |                 |                       |                 |                     |          |                      |                      |            |         |           |         |      |            |          |                |                   |          |                   |        |
|------------------------------------------|-------------------|-----------|-------|----------|-----------------|-----------------------|-----------------|---------------------|----------|----------------------|----------------------|------------|---------|-----------|---------|------|------------|----------|----------------|-------------------|----------|-------------------|--------|
| 1 CC Uplink / 12 CC Uplink Power Class   | Component Carrier | FREQUENCY |       | Mode     | Bandwidth [MHz] | Maximum Allowed Power | Conducted Power | Power Density [dBm] | MPE [dB] | Antenna Config.      | Device Serial Number | Modulation | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (2g) | Scaling Factor | Reported SAR (2g) | SAR (2g) | Reported SAR (2g) | Plot # |
|                                          |                   | Mhz       | Ch    |          |                 |                       |                 |                     |          |                      |                      |            |         |           |         |      |            |          |                |                   |          |                   |        |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                    | 16.40           | 16.29               | -0.02    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 1         | 99      | 0 mm | back       | 1.158    | 0.819          | 1.028             | 0.842    | 0.354             | 0.354  |
| 1 CC Uplink - Power Class 3              | N/A               | 2549.50   | 40185 | Low-Mid  | LTE Band 41     | 20                    | 16.40           | 16.30               | -0.04    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 1         | 0       | 0 mm | back       | 1.158    | 1.010          | 1.023             | 1.033    | 0.368             | 0.376  |
| 1 CC Uplink - Power Class 3              | N/A               | 2550.00   | 40500 | Mid      | LTE Band 41     | 20                    | 16.40           | 16.23               | -0.02    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 1         | 99      | 0 mm | back       | 1.158    | 0.686          | 1.040             | 0.713    | 0.286             | 0.297  |
| 1 CC Uplink - Power Class 3              | N/A               | 2636.50   | 41555 | Mid-High | LTE Band 41     | 20                    | 16.40           | 16.10               | -0.03    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 1         | 0       | 0 mm | back       | 1.158    | 0.658          | 1.072             | 0.705    | 0.270             | 0.289  |
| 1 CC Uplink - Power Class 3              | N/A               | 2680.00   | 41490 | High     | LTE Band 41     | 20                    | 16.40           | 16.07               | -0.02    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 1         | 0       | 0 mm | back       | 1.158    | 0.588          | 1.079             | 0.634    | 0.258             | 0.257  |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                    | 16.40           | 16.30               | -0.02    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 50        | 50      | 0 mm | back       | 1.158    | 0.801          | 1.023             | 0.819    | 0.364             | 0.352  |
| 1 CC Uplink - Power Class 3              | N/A               | 2549.50   | 40185 | Low-Mid  | LTE Band 41     | 20                    | 16.40           | 16.16               | -0.03    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 50        | 50      | 0 mm | back       | 1.158    | 0.698          | 1.057             | 0.549    | 0.281             | 0.403  |
| 1 CC Uplink - Power Class 3              | N/A               | 2550.00   | 40500 | Mid      | LTE Band 41     | 20                    | 16.40           | 16.06               | -0.02    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 50        | 50      | 0 mm | back       | 1.158    | 0.704          | 1.061             | 0.761    | 0.295             | 0.319  |
| 1 CC Uplink - Power Class 3              | N/A               | 2636.50   | 41555 | Mid-High | LTE Band 41     | 20                    | 16.40           | 16.08               | -0.01    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 50        | 0       | 0 mm | back       | 1.158    | 0.631          | 1.076             | 0.679    | 0.259             | 0.279  |
| 1 CC Uplink - Power Class 3              | N/A               | 2680.00   | 41490 | High     | LTE Band 41     | 20                    | 16.40           | 16.10               | -0.02    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 50        | 50      | 0 mm | back       | 1.158    | 0.603          | 1.072             | 0.646    | 0.244             | 0.262  |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                    | 16.40           | 16.18               | -0.05    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 100       | 0       | 0 mm | back       | 1.158    | 0.752          | 1.052             | 0.791    | 0.324             | 0.341  |
| 1 CC Uplink - Power Class 3              | N/A               | 2549.50   | 40185 | Low-Mid  | LTE Band 41     | 20                    | 16.40           | 16.04               | -0.01    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 1         | 0       | 0 mm | back       | 1.231    | 0.587          | 1.086             | 0.637    | 0.251             | 0.273  |
| 2 CC Uplink - Power Class 3              | PCC               | 2549.50   | 40185 | Low-Mid  | LTE Band 41     | 20                    | 16.40           | 15.98               | -0.03    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 1         | 0       | 0 mm | back       | 1.158    | 0.817          | 1.208             | 0.987    | 0.347             | 0.419  |
| 2 CC Uplink - Power Class 3              | SCC               | 2529.70   | 39887 | Low-Mid  | LTE Band 41     | 20                    | 16.40           | 15.77               | -0.04    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 1         | 99      | 0 mm | back       | 1.231    | 0.540          | 1.156             | 0.624    | 0.231             | 0.267  |
| 2 CC Uplink - Power Class 3              | PCC               | 2549.50   | 40185 | Low-Mid  | LTE Band 41     | 20                    | 16.40           | 15.30               | -0.05    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 1         | 0       | 0 mm | back       | 1.231    | 0.540          | 1.156             | 0.624    | 0.231             | 0.267  |
| 2 CC Uplink - Power Class 3              | SCC               | 2529.70   | 39887 | Low-Mid  | LTE Band 41     | 20                    | 16.40           | 15.30               | -0.05    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 1         | 99      | 0 mm | back       | 1.231    | 0.540          | 1.156             | 0.624    | 0.231             | 0.267  |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                    | 16.40           | 16.30               | -0.02    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 50        | 50      | 0 mm | top        | 1.158    | 0.024          | 1.023             | 0.025    | 0.008             | 0.008  |
| 1 CC Uplink - Power Class 3              | N/A               | 2549.50   | 40185 | Low-Mid  | LTE Band 41     | 20                    | 16.40           | 16.30               | -0.03    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 1         | 0       | 0 mm | bottom     | 1.158    | 0.536          | 1.023             | 0.548    | 0.158             | 0.162  |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                    | 16.40           | 16.30               | -0.02    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 50        | 50      | 0 mm | bottom     | 1.158    | 0.529          | 1.023             | 0.541    | 0.157             | 0.161  |
| 1 CC Uplink - Power Class 3              | N/A               | 2549.50   | 40185 | Low-Mid  | LTE Band 41     | 20                    | 16.40           | 16.30               | -0.02    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 1         | 0       | 0 mm | right      | 1.158    | 0.503          | 1.023             | 0.535    | 0.169             | 0.173  |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                    | 16.40           | 16.30               | -0.02    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 50        | 50      | 0 mm | right      | 1.158    | 0.434          | 1.023             | 0.444    | 0.147             | 0.150  |
| 1 CC Uplink - Power Class 3              | N/A               | 2549.50   | 40185 | Low-Mid  | LTE Band 41     | 20                    | 16.40           | 16.30               | -0.02    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 1         | 0       | 0 mm | left       | 1.158    | 0.000          | 1.023             | 0.000    | 0.000             | 0.000  |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                    | 16.40           | 16.30               | -0.13    | 0                    | Ant 2a               | DLX2VLPQKX | QPSK    | 50        | 50      | 0 mm | left       | 1.158    | 0.000          | 1.023             | 0.000    | 0.000             | 0.000  |
| ANSI / IEEE C63.1 1997 - SAFETY LIMIT    |                   |           |       |          |                 |                       |                 |                     |          | Body                 |                      |            |         |           |         |      |            |          |                |                   |          |                   |        |
| Spatial Peak                             |                   |           |       |          |                 |                       |                 |                     |          | 1.6 W/kg (mW/g)      |                      |            |         |           |         |      |            |          |                |                   |          |                   |        |
| Uncontrolled Exposure/General Population |                   |           |       |          |                 |                       |                 |                     |          | averaged over 1 gram |                      |            |         |           |         |      |            |          |                |                   |          |                   |        |

|                                         |                                                                                     |                            |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  | SAR EVALUATION REPORT      | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                              | DUT Type:<br>Tablet Device | Page 242 of 284                 |

**Table 10-50**  
**LTE Band 41 Ant 2b Body SAR**

| MEASUREMENT RESULTS                      |     |                   |           |          |             |                 |                             |                       |                                     |                      |                      |             |         |           |         |      |            |       |            |                |                     |            |                     | Plan # |
|------------------------------------------|-----|-------------------|-----------|----------|-------------|-----------------|-----------------------------|-----------------------|-------------------------------------|----------------------|----------------------|-------------|---------|-----------|---------|------|------------|-------|------------|----------------|---------------------|------------|---------------------|--------|
| 1 CC Uplink 12 CC Uplink, Power Class    |     | Component Carrier | FREQUENCY |          | Mode        | Bandwidth (MHz) | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Spectral Density (dBm/100kHz) | Antenna Config.      | Device Serial Number | Modulation  | RB Size | RB Offset | Spacing | Side | Duty Cycle |       | SAR (W/kg) | Scaling Factor | Reported SAR (W/kg) | SAR (W/kg) | Reported SAR (W/kg) |        |
| MHz                                      | Ch  |                   | MHz       | Ch       |             |                 |                             |                       |                                     |                      |                      |             |         |           |         |      | Sec        | Min   |            |                |                     |            |                     |        |
| 1 CC Uplink - Power Class 2              | N/A | 2506.00           | 39750     | Low      | LTE Band 41 | 20              | 13.80                       | 13.15                 | -0.05                               | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 1         | 50      | 0 mm | back       | 1:158 | 0.715      | 1.161          | 0.830               | 0.240      | 0.289               |        |
| 1 CC Uplink - Power Class 3              | N/A | 2549.50           | 40385     | Low-Mid  | LTE Band 41 | 20              | 13.80                       | 12.94                 | -0.05                               | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 1         | 90      | 0 mm | back       | 1:158 | 0.670      | 1.219          | 0.817               | 0.229      | 0.279               |        |
| 1 CC Uplink - Power Class 3              | N/A | 2583.00           | 40830     | Mid      | LTE Band 41 | 20              | 13.80                       | 13.01                 | -0.05                               | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 1         | 90      | 0 mm | back       | 1:158 | 0.555      | 1.199          | 0.665               | 0.189      | 0.227               |        |
| 1 CC Uplink - Power Class 3              | N/A | 2636.50           | 41285     | Mid-High | LTE Band 41 | 20              | 13.80                       | 12.07                 | -0.05                               | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 1         | 0       | 0 mm | back       | 1:158 | 0.503      | 1.211          | 0.682               | 0.189      | 0.229               |        |
| 1 CC Uplink - Power Class 3              | N/A | 2680.00           | 41490     | High     | LTE Band 41 | 20              | 13.80                       | 13.00                 | -0.05                               | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 1         | 90      | 0 mm | back       | 1:158 | 0.501      | 1.202          | 0.602               | 0.164      | 0.197               |        |
| 1 CC Uplink - Power Class 3              | N/A | 2506.00           | 39750     | Low      | LTE Band 41 | 20              | 13.80                       | 13.07                 | -0.05                               | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 50        | 25      | 0 mm | back       | 1:158 | 0.710      | 1.183          | 0.840               | 0.247      | 0.292               |        |
| 1 CC Uplink - Power Class 3              | N/A | 2549.50           | 40385     | Low-Mid  | LTE Band 41 | 20              | 13.80                       | 12.83                 | -0.05                               | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 50        | 50      | 0 mm | back       | 1:158 | 0.742      | 1.250          | 0.928               | 0.256      | 0.320               |        |
| 1 CC Uplink - Power Class 3              | N/A | 2583.00           | 40830     | Mid      | LTE Band 41 | 20              | 13.80                       | 12.92                 | -0.05                               | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 50        | 50      | 0 mm | back       | 1:158 | 0.579      | 1.225          | 0.709               | 0.196      | 0.240               |        |
| 1 CC Uplink - Power Class 3              | N/A | 2636.50           | 41285     | Mid-High | LTE Band 41 | 20              | 13.80                       | 12.87                 | 0.01                                | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 50        | 0       | 0 mm | back       | 1:158 | 0.551      | 1.239          | 0.683               | 0.185      | 0.229               |        |
| 1 CC Uplink - Power Class 3              | N/A | 2680.00           | 41490     | High     | LTE Band 41 | 20              | 13.80                       | 12.94                 | 0.00                                | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 50        | 50      | 0 mm | back       | 1:158 | 0.497      | 1.219          | 0.606               | 0.163      | 0.199               |        |
| 1 CC Uplink - Power Class 3              | N/A | 2506.00           | 39750     | Low      | LTE Band 41 | 20              | 13.80                       | 13.05                 | -0.05                               | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 100       | 0       | 0 mm | back       | 1:158 | 0.707      | 1.189          | 0.841               | 0.246      | 0.292               |        |
| 1 CC Uplink - Power Class 3              | N/A | 2549.50           | 40385     | Low-Mid  | LTE Band 41 | 20              | 13.80                       | 12.88                 | 0.03                                | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 50        | 50      | 0 mm | back       | 1:231 | 0.405      | 1.233          | 0.610               | 0.173      | 0.213               |        |
| 2 CC Uplink - Power Class 3              | PCC | 2549.50           | 40385     | Low-Mid  | LTE Band 41 | 20              | 13.80                       | 12.10                 | -0.05                               | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 50        | 50      | 0 mm | back       | 1:158 | 0.635      | 1.479          | 0.939               | 0.225      | 0.333               |        |
| 2 CC Uplink - Power Class 3              | SCC | 2569.30           | 40385     | Low-Mid  | LTE Band 41 | 20              | 13.80                       | 12.26                 | -0.05                               | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 50        | 50      | 0 mm | back       | 1:231 | 0.414      | 1.426          | 0.590               | 0.149      | 0.212               |        |
| 2 CC Uplink - Power Class 3              | PCC | 2549.50           | 40385     | Low-Mid  | LTE Band 41 | 20              | 13.80                       | 12.26                 | -0.05                               | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 50        | 50      | 0 mm | back       | 1:231 | 0.414      | 1.426          | 0.590               | 0.149      | 0.212               |        |
| 2 CC Uplink - Power Class 3              | SCC | 2569.30           | 40385     | Low-Mid  | LTE Band 41 | 20              | 13.80                       | 12.26                 | -0.05                               | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 50        | 50      | 0 mm | back       | 1:231 | 0.414      | 1.426          | 0.590               | 0.149      | 0.212               |        |
| 1 CC Uplink - Power Class 3              | N/A | 2506.00           | 39750     | Low      | LTE Band 41 | 20              | 13.80                       | 13.15                 | 0.21                                | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 1         | 50      | 0 mm | top        | 1:158 | 0.000      | 1.161          | 0.000               | 0.000      | 0.000               |        |
| 1 CC Uplink - Power Class 3              | N/A | 2506.00           | 39750     | Low      | LTE Band 41 | 20              | 13.80                       | 13.07                 | 0.21                                | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 50        | 25      | 0 mm | top        | 1:158 | 0.000      | 1.183          | 0.000               | 0.000      | 0.000               |        |
| 1 CC Uplink - Power Class 3              | N/A | 2506.00           | 39750     | Low      | LTE Band 41 | 20              | 13.80                       | 13.15                 | 0.01                                | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 1         | 50      | 0 mm | bottom     | 1:158 | 0.315      | 1.161          | 0.366               | 0.100      | 0.128               |        |
| 1 CC Uplink - Power Class 3              | N/A | 2506.00           | 39750     | Low      | LTE Band 41 | 20              | 13.80                       | 13.07                 | -0.05                               | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 50        | 25      | 0 mm | bottom     | 1:158 | 0.319      | 1.183          | 0.377               | 0.111      | 0.131               |        |
| 1 CC Uplink - Power Class 3              | N/A | 2506.00           | 39750     | Low      | LTE Band 41 | 20              | 13.80                       | 13.15                 | 0.03                                | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 1         | 50      | 0 mm | right      | 1:158 | 0.021      | 1.161          | 0.024               | 0.008      | 0.009               |        |
| 1 CC Uplink - Power Class 3              | N/A | 2506.00           | 39750     | Low      | LTE Band 41 | 20              | 13.80                       | 13.07                 | 0.12                                | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 50        | 25      | 0 mm | right      | 1:158 | 0.022      | 1.183          | 0.026               | 0.008      | 0.009               |        |
| 1 CC Uplink - Power Class 3              | N/A | 2506.00           | 39750     | Low      | LTE Band 41 | 20              | 13.80                       | 13.15                 | 0.21                                | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 1         | 50      | 0 mm | left       | 1:158 | 0.015      | 1.161          | 0.017               | 0.005      | 0.006               |        |
| 1 CC Uplink - Power Class 3              | N/A | 2506.00           | 39750     | Low      | LTE Band 41 | 20              | 13.80                       | 13.07                 | 0.20                                | 0                    | Ant 2b               | DLXGRLTP5TF | QPSK    | 50        | 25      | 0 mm | left       | 1:158 | 0.016      | 1.183          | 0.020               | 0.005      | 0.006               |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |                   |           |          |             |                 |                             |                       |                                     | Body                 |                      |             |         |           |         |      |            |       |            |                |                     |            |                     | Plan # |
| Spatial Peak                             |     |                   |           |          |             |                 |                             |                       |                                     | 1.6 W/kg (mW/g)      |                      |             |         |           |         |      |            |       |            |                |                     |            |                     |        |
| Uncontrolled Exposure/General Population |     |                   |           |          |             |                 |                             |                       |                                     | averaged over 1 gram |                      |             |         |           |         |      |            |       |            |                |                     |            |                     |        |

**Table 10-51**  
**LTE Band 41 Ant 4a Body SAR**

| MEASUREMENT RESULTS                         |                   |           |       |          |                 |                             |                       |                                     |                 |                      |            |             |           |         |      |            |                |       |                   |          |       |        |       |
|---------------------------------------------|-------------------|-----------|-------|----------|-----------------|-----------------------------|-----------------------|-------------------------------------|-----------------|----------------------|------------|-------------|-----------|---------|------|------------|----------------|-------|-------------------|----------|-------|--------|-------|
| 1 CC Uplink / 12 CC Uplink, Power Class 3   | Component Carrier | FREQUENCY |       | Mode     | Bandwidth (MHz) | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Spectral Density (dBm/100kHz) | Antenna Config. | Device Serial Number | Modulation | RB Size     | RB Offset | Spacing | Side | Duty Cycle | SAR (dB)       |       | Proposed SAR (dB) | SAR (dB) |       | Plan # |       |
|                                             |                   | MHz       | Ch    |          |                 |                             |                       |                                     |                 |                      |            |             |           |         |      |            | Head           | Body  |                   | Head     | Body  |        |       |
| 1 CC Uplink - Power Class 3                 | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.84                               | -0.02           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 1       | 50   | 0 mm       | back           | 1:158 | 1.110             | 1.014    | 1.126 | 0.479  | 0.485 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2549.50   | 40385 | Low-Mid  | LTE Band 41     | 20                          | 16.90                 | 16.73                               | -0.01           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 1       | 50   | 0 mm       | back           | 1:158 | 1.080             | 1.040    | 1.123 | 0.459  | 0.476 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2583.00   | 40830 | Mid      | LTE Band 41     | 20                          | 16.90                 | 16.57                               | -0.02           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 1       | 99   | 0 mm       | back           | 1:158 | 0.822             | 1.079    | 0.887 | 0.344  | 0.371 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2636.50   | 41285 | Mid-High | LTE Band 41     | 20                          | 16.90                 | 16.61                               | -0.04           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 1       | 0    | 0 mm       | back           | 1:158 | 0.777             | 1.069    | 0.831 | 0.322  | 0.344 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2680.00   | 41490 | High     | LTE Band 41     | 20                          | 16.90                 | 16.34                               | -0.02           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 1       | 99   | 0 mm       | back           | 1:158 | 0.779             | 1.138    | 0.887 | 0.319  | 0.362 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.83                               | -0.01           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 50      | 0    | 0 mm       | back           | 1:158 | 1.120             | 1.016    | 1.138 | 0.482  | 0.460 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2549.50   | 40385 | Low-Mid  | LTE Band 41     | 20                          | 16.90                 | 16.78                               | -0.02           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 50      | 0    | 0 mm       | back           | 1:158 | 1.150             | 1.033    | 1.188 | 0.483  | 0.469 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2583.00   | 40830 | Mid      | LTE Band 41     | 20                          | 16.90                 | 16.54                               | -0.03           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 50      | 0    | 0 mm       | back           | 1:158 | 0.847             | 1.086    | 0.930 | 0.166  | 0.387 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2636.50   | 41285 | Mid-High | LTE Band 41     | 20                          | 16.90                 | 16.59                               | -0.02           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 50      | 25   | 0 mm       | back           | 1:158 | 0.797             | 1.074    | 0.813 | 0.123  | 0.336 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2680.00   | 41490 | High     | LTE Band 41     | 20                          | 16.90                 | 16.33                               | -0.01           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 50      | 50   | 0 mm       | back           | 1:158 | 0.776             | 1.140    | 0.885 | 0.136  | 0.360 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.79                               | -0.02           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 100     | 0    | 0 mm       | back           | 1:158 | 1.120             | 1.028    | 1.151 | 0.482  | 0.465 |
| 2 CC Uplink - Power Class 3                 | N/A               | 2549.50   | 40385 | Low-Mid  | LTE Band 41     | 20                          | 16.90                 | 16.58                               | -0.03           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 50      | 0    | 0 mm       | back           | 1:231 | 0.707             | 1.076    | 0.761 | 0.160  | 0.324 |
| 2 CC Uplink - Power Class 3                 | PCC               | 2549.50   | 40385 | Low-Mid  | LTE Band 41     | 20                          | 16.90                 | 16.48                               | -0.01           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 50      | 0    | 0 mm       | back           | 1:158 | 1.040             | 1.102    | 1.146 | 0.442  | 0.487 |
| 2 CC Uplink - Power Class 3                 | SCC               | 2529.70   | 39987 | Low-Mid  | LTE Band 41     | 20                          | 16.90                 | 16.70                               | 0.02            | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 50      | 50   | 0 mm       | back           | 1:231 | 0.711             | 1.047    | 0.744 | 0.161  | 0.315 |
| 2 CC Uplink - Power Class 3                 | PCC               | 2549.50   | 40385 | Low-Mid  | LTE Band 41     | 20                          | 16.90                 | 16.70                               | 0.02            | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 50      | 50   | 0 mm       | back           | 1:231 | 0.711             | 1.047    | 0.744 | 0.161  | 0.315 |
| 2 CC Uplink - Power Class 3                 | SCC               | 2529.70   | 39987 | Low-Mid  | LTE Band 41     | 20                          | 16.90                 | 16.70                               | 0.02            | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 50      | 50   | 0 mm       | back           | 1:231 | 0.711             | 1.047    | 0.744 | 0.161  | 0.315 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.84                               | -0.09           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 1       | 50   | 0 mm       | top            | 1:158 | 0.578             | 1.014    | 0.588 | 0.175  | 0.177 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.83                               | -0.09           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 50      | 0    | 0 mm       | top            | 1:158 | 0.576             | 1.016    | 0.585 | 0.173  | 0.178 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.84                               | 0.14            | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 1       | 50   | 0 mm       | bottom         | 1:158 | 0.029             | 1.014    | 0.029 | 0.011  | 0.011 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.83                               | 0.20            | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 50      | 0    | 0 mm       | bottom         | 1:158 | 0.025             | 1.016    | 0.025 | 0.010  | 0.010 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.84                               | 0.20            | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 1       | 50   | 0 mm       | right          | 1:158 | 0.001             | 1.014    | 0.001 | 0.000  | 0.000 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.83                               | -0.21           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 50      | 0    | 0 mm       | right          | 1:158 | 0.002             | 1.016    | 0.002 | 0.000  | 0.000 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.84                               | -0.06           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 1       | 50   | 0 mm       | left           | 1:158 | 0.604             | 1.014    | 0.612 | 0.203  | 0.208 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.73                               | -0.05           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 1       | 50   | 0 mm       | left           | 1:158 | 0.562             | 1.040    | 0.584 | 0.188  | 0.193 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2583.00   | 40830 | Mid      | LTE Band 41     | 20                          | 16.90                 | 16.57                               | -0.03           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 1       | 99   | 0 mm       | left           | 1:158 | 0.383             | 1.079    | 0.424 | 0.129  | 0.136 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2636.50   | 41285 | Mid-High | LTE Band 41     | 20                          | 16.90                 | 16.61                               | -0.05           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 1       | 0    | 0 mm       | left           | 1:158 | 0.417             | 1.089    | 0.446 | 0.139  | 0.145 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2680.00   | 41490 | High     | LTE Band 41     | 20                          | 16.90                 | 16.34                               | -0.02           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 1       | 99   | 0 mm       | left           | 1:158 | 0.490             | 1.138    | 0.455 | 0.128  | 0.140 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.83                               | -0.05           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 50      | 0    | 0 mm       | left           | 1:158 | 0.589             | 1.016    | 0.598 | 0.119  | 0.200 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.79                               | -0.02           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 100     | 0    | 0 mm       | left           | 1:158 | 0.604             | 1.033    | 0.621 | 0.202  | 0.208 |
| 1 CC Uplink - Power Class 3                 | N/A               | 2549.50   | 40385 | Low-Mid  | LTE Band 41     | 20                          | 16.90                 | 16.76                               | -0.02           | 0                    | Ant 4a     | DLXGVBFPQKX | QPSK      | 50      | 0    | 0 mm       | back           | 1:158 | 1.120             | 1.033    | 1.137 | 0.476  | 0.465 |
| ANSI / IEEE C63.11992 - SAFETY LIMIT        |                   |           |       |          |                 |                             |                       |                                     |                 |                      |            |             |           |         |      |            | Body           |       |                   |          |       |        |       |
| Spatial Peak                                |                   |           |       |          |                 |                             |                       |                                     |                 |                      |            |             |           |         |      |            | 1.6 W/m (mW/m) |       |                   |          |       |        |       |
| Unintentional Emissions (Spurious Emission) |                   |           |       |          |                 |                             |                       |                                     |                 |                      |            |             |           |         |      |            | 100 dBm        |       |                   |          |       |        |       |

Table 10-52  
LTE Band 41 Ant 4b Body SAR

| MEASUREMENT RESULTS                      |                   |           |       |          |                 |                             |                       |                                 |                 |                      |             |             |           |         |      |            |          |                |                   |          |                   |        |       |
|------------------------------------------|-------------------|-----------|-------|----------|-----------------|-----------------------------|-----------------------|---------------------------------|-----------------|----------------------|-------------|-------------|-----------|---------|------|------------|----------|----------------|-------------------|----------|-------------------|--------|-------|
| 1 CC Uplink 1 CC Uplink Power Class      | Component Carrier | FREQUENCY |       | Mode     | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Spectral Density [dBm/Hz] | Antenna Config. | Device Serial Number | Modulation  | RB Size     | RB Offset | Spacing | Side | Duty Cycle | SAR (dB) | Scaling Factor | Reported SAR (dB) | SAR (dB) | Reported SAR (dB) | Plot # |       |
|                                          |                   | MHz       | Ch.   |          |                 |                             |                       |                                 |                 |                      |             |             |           |         |      |            |          |                |                   |          |                   |        |       |
| 1 CC Uplink - Power Class 2              | N/A               | 2500.00   | 39750 | Low      | LTE Band 41     | 20.0                        | 14.88                 | -12.2                           | 0               | Ant 4b               | DLX2704P57G | QPSK        | 1         | 0       | 0 mm | back       | 1.158    | 0.922          | 1.028             | 0.948    | 0.949             | 0.359  |       |
| 1 CC Uplink - Power Class 2              | N/A               | 2540.50   | 40385 | Low-Mid  | LTE Band 41     | 20                          | 14.80                 | 14.48                           | 0.00            | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 1       | 0    | 0 mm       | back     | 1.158          | 0.892             | 1.076    | 0.960             | 0.924  | 0.359 |
| 1 CC Uplink - Power Class 2              | N/A               | 2580.00   | 40950 | Mid      | LTE Band 41     | 20                          | 14.80                 | 14.72                           | -0.01           | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 1       | 99   | 0 mm       | back     | 1.158          | 0.953             | 1.029    | 0.971             | 0.940  | 0.356 |
| 1 CC Uplink - Power Class 2              | N/A               | 2636.50   | 41555 | Mid-High | LTE Band 41     | 20                          | 14.80                 | 14.80                           | -0.02           | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 1       | 0    | 0 mm       | back     | 1.158          | 0.911             | 1.000    | 0.911             | 0.931  | 0.331 |
| 1 CC Uplink - Power Class 2              | N/A               | 2680.00   | 42100 | High     | LTE Band 41     | 20                          | 14.80                 | 14.20                           | -0.07           | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 1       | 0    | 0 mm       | back     | 1.158          | 0.898             | 1.148    | 1.031             | 0.919  | 0.366 |
| 1 CC Uplink - Power Class 2              | N/A               | 2680.00   | 42100 | High     | LTE Band 41     | 20                          | 14.80                 | 14.51                           | -0.05           | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 1       | 99   | 0 mm       | back     | 1.158          | 0.951             | 1.069    | 1.017             | 0.935  | 0.358 |
| 1 CC Uplink - Power Class 2              | N/A               | 2500.00   | 39750 | Low      | LTE Band 41     | 20                          | 14.80                 | 14.61                           | 0.09            | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 50      | 0    | 0 mm       | back     | 1.158          | 0.904             | 1.045    | 0.945             | 0.940  | 0.355 |
| 1 CC Uplink - Power Class 2              | N/A               | 2540.50   | 40385 | Low-Mid  | LTE Band 41     | 20                          | 14.80                 | 14.37                           | 0.01            | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 50      | 25   | 0 mm       | back     | 1.158          | 0.899             | 1.104    | 0.948             | 0.919  | 0.352 |
| 1 CC Uplink - Power Class 2              | N/A               | 2580.00   | 40950 | Mid      | LTE Band 41     | 20                          | 14.80                 | 14.64                           | 0.03            | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 50      | 50   | 0 mm       | back     | 1.158          | 0.949             | 1.038    | 0.985             | 0.946  | 0.359 |
| 1 CC Uplink - Power Class 2              | N/A               | 2636.50   | 41555 | Mid-High | LTE Band 41     | 20                          | 14.80                 | 14.75                           | -0.02           | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 50      | 0    | 0 mm       | back     | 1.158          | 0.913             | 1.012    | 0.924             | 0.909  | 0.333 |
| 1 CC Uplink - Power Class 2              | N/A               | 2680.00   | 42100 | High     | LTE Band 41     | 20                          | 14.80                 | 14.47                           | -0.11           | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 50      | 50   | 0 mm       | back     | 1.158          | 0.941             | 1.079    | 1.015             | 0.933  | 0.359 |
| 1 CC Uplink - Power Class 2              | N/A               | 2636.50   | 41555 | Mid-High | LTE Band 41     | 20                          | 14.80                 | 14.70                           | 0.14            | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 100     | 0    | 0 mm       | back     | 1.158          | 0.918             | 1.023    | 0.939             | 0.934  | 0.342 |
| 1 CC Uplink - Power Class 2              | N/A               | 2680.00   | 42100 | High     | LTE Band 41     | 20                          | 14.80                 | 14.65                           | -0.05           | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 1       | 0    | 0 mm       | back     | 1.231          | 0.748             | 1.035    | 0.774             | 0.751  | 0.260 |
| 1 CC Uplink - Power Class 2              | N/A               | 2680.00   | 42100 | High     | LTE Band 41     | 20                          | 14.80                 | 14.50                           | -0.05           | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 1       | 99   | 0 mm       | back     | 1.231          | 0.650             | 1.072    | 0.687             | 0.725  | 0.241 |
| 2 CC Uplink - Power Class 2              | PCC               | 2680.00   | 42100 | High     | LTE Band 41     | 20                          | 14.80                 | 13.75                           | -0.10           | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 1       | 99   | 0 mm       | back     | 1.158          | 0.827             | 1.274    | 1.054             | 0.998  | 0.380 |
| 2 CC Uplink - Power Class 2              | SCC               | 2660.20   | 41250 | High     | LTE Band 41     | 20                          |                       |                                 |                 |                      |             |             |           |         |      |            |          |                |                   |          |                   |        |       |
| 2 CC Uplink - Power Class 2              | PCC               | 2680.00   | 42100 | High     | LTE Band 41     | 20                          | 14.80                 | 14.22                           | -0.03           | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 1       | 0    | 0 mm       | back     | 1.231          | 0.692             | 1.143    | 0.791             | 0.737  | 0.271 |
| 2 CC Uplink - Power Class 2              | SCC               | 2660.20   | 41250 | High     | LTE Band 41     | 20                          |                       |                                 |                 |                      |             |             |           |         |      |            |          |                |                   |          |                   |        |       |
| 1 CC Uplink - Power Class 2              | N/A               | 2636.50   | 41555 | Mid-High | LTE Band 41     | 20                          | 14.80                 | 14.80                           | -0.05           | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 1       | 0    | 0 mm       | top      | 1.158          | 0.978             | 1.000    | 0.978             | 0.929  | 0.129 |
| 1 CC Uplink - Power Class 2              | N/A               | 2636.50   | 41555 | Mid-High | LTE Band 41     | 20                          | 14.80                 | 14.75                           | -0.04           | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 50      | 0    | 0 mm       | top      | 1.158          | 0.970             | 1.012    | 0.974             | 0.926  | 0.128 |
| 1 CC Uplink - Power Class 2              | N/A               | 2636.50   | 41555 | Mid-High | LTE Band 41     | 20                          | 14.80                 | 14.80                           | -0.20           | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 1       | 0    | 0 mm       | bottom   | 1.158          | 0.905             | 1.000    | 0.905             | 0.901  | 0.001 |
| 1 CC Uplink - Power Class 2              | N/A               | 2636.50   | 41555 | Mid-High | LTE Band 41     | 20                          | 14.80                 | 14.75                           | -0.21           | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 50      | 0    | 0 mm       | bottom   | 1.158          | 0.905             | 1.012    | 0.905             | 0.901  | 0.001 |
| 1 CC Uplink - Power Class 2              | N/A               | 2636.50   | 41555 | Mid-High | LTE Band 41     | 20                          | 14.80                 | 14.80                           | 0.05            | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 1       | 0    | 0 mm       | right    | 1.158          | 0.903             | 1.000    | 0.903             | 0.900  | 0.010 |
| 1 CC Uplink - Power Class 2              | N/A               | 2636.50   | 41555 | Mid-High | LTE Band 41     | 20                          | 14.80                 | 14.75                           | -0.20           | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 50      | 0    | 0 mm       | right    | 1.158          | 0.902             | 1.012    | 0.902             | 0.900  | 0.009 |
| 1 CC Uplink - Power Class 2              | N/A               | 2636.50   | 41555 | Mid-High | LTE Band 41     | 20                          | 14.80                 | 14.80                           | 0.03            | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 1       | 0    | 0 mm       | left     | 1.158          | 0.952             | 1.000    | 0.952             | 0.900  | 0.020 |
| 1 CC Uplink - Power Class 2              | N/A               | 2636.50   | 41555 | Mid-High | LTE Band 41     | 20                          | 14.80                 | 14.75                           | 0.11            | 0                    | Ant 4b      | DLX2704P57G | QPSK      | 50      | 0    | 0 mm       | left     | 1.158          | 0.903             | 1.012    | 0.904             | 0.900  | 0.020 |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT    |                   |           |       |          |                 |                             |                       |                                 |                 | Body                 |             |             |           |         |      |            |          |                |                   |          |                   |        |       |
| Spatial Peak                             |                   |           |       |          |                 |                             |                       |                                 |                 | 1.6 W/kg (mW/g)      |             |             |           |         |      |            |          |                |                   |          |                   |        |       |
| Uncontrolled Exposure/General Population |                   |           |       |          |                 |                             |                       |                                 |                 | averaged over 1 gram |             |             |           |         |      |            |          |                |                   |          |                   |        |       |

Table 10-53  
LTE Band 48 Ant 1 Body SAR

| MEASUREMENT RESULTS                                   |       |          |                 |                             |                       |                  |          |                 |                      |             |         |           |         |      |                                                 |          |        |                |                     |           |                     |        |
|-------------------------------------------------------|-------|----------|-----------------|-----------------------------|-----------------------|------------------|----------|-----------------|----------------------|-------------|---------|-----------|---------|------|-------------------------------------------------|----------|--------|----------------|---------------------|-----------|---------------------|--------|
| FREQUENCY                                             |       | Mode     | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Dens. [dB] | MPR [dB] | Antenna Config. | Device Serial Number | Modulation  | RB Size | RB Offset | Spacing | Side | Duty Cycle                                      | SAR (dB) |        | Scaling Factor | Reported SAR [W/kg] | SAR [dBm] | Reported SAR [W/kg] | Plot # |
| MHz                                                   | Ch.   |          |                 |                             |                       |                  |          |                 |                      |             |         |           |         |      |                                                 | (W/kg)   | (W/kg) |                |                     |           |                     |        |
| 3560.00                                               | 55340 | Low      | LTE Band 48     | 20                          | 15.50                 | 15.40            | 0.21     | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 1         | 0       | 0 mm | back                                            | 1.158    | 0.984  | 1.023          | 1.007               | 0.931     | 0.339               |        |
| 3603.30                                               | 55773 | Low-Mid  | LTE Band 48     | 20                          | 15.50                 | 15.22            | -0.21    | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 1         | 99      | 0 mm | back                                            | 1.158    | 0.688  | 1.067          | 0.734               | 0.221     | 0.236               |        |
| 3646.70                                               | 56207 | Mid-High | LTE Band 48     | 20                          | 15.50                 | 15.23            | 0.20     | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 1         | 0       | 0 mm | back                                            | 1.158    | 0.795  | 1.064          | 0.893               | 0.247     | 0.263               |        |
| 3690.00                                               | 56640 | High     | LTE Band 48     | 20                          | 15.50                 | 14.90            | 0.00     | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 1         | 99      | 0 mm | back                                            | 1.158    | 0.751  | 1.148          | 0.862               | 0.241     | 0.277               |        |
| 3560.00                                               | 55340 | Low      | LTE Band 48     | 20                          | 15.50                 | 15.23            | -0.20    | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 50        | 0       | 0 mm | back                                            | 1.158    | 0.999  | 1.064          | 1.020               | 0.920     | 0.340               |        |
| 3603.30                                               | 55773 | Low-Mid  | LTE Band 48     | 20                          | 15.50                 | 15.00            | 0.01     | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 50        | 50      | 0 mm | back                                            | 1.158    | 0.788  | 1.122          | 0.884               | 0.261     | 0.293               |        |
| 3646.70                                               | 56207 | Mid-High | LTE Band 48     | 20                          | 15.50                 | 15.21            | 0.00     | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 50        | 0       | 0 mm | back                                            | 1.158    | 0.733  | 1.069          | 0.784               | 0.236     | 0.254               |        |
| 3690.00                                               | 56640 | High     | LTE Band 48     | 20                          | 15.50                 | 14.61            | 0.01     | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 50        | 50      | 0 mm | back                                            | 1.158    | 0.725  | 1.227          | 0.890               | 0.231     | 0.263               |        |
| 3560.00                                               | 55340 | Low      | LTE Band 48     | 20                          | 15.50                 | 15.22            | -0.15    | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 100       | 0       | 0 mm | back                                            | 1.158    | 0.934  | 1.067          | 0.997               | 0.913     | 0.334               |        |
| 3560.00                                               | 55340 | Low      | LTE Band 48     | 20                          | 15.50                 | 15.40            | 0.18     | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 1         | 0       | 0 mm | top                                             | 1.158    | 0.903  | 1.023          | 0.903               | 0.903     | 0.001               | 0.001  |
| 3560.00                                               | 55340 | Low      | LTE Band 48     | 20                          | 15.50                 | 15.23            | 0.15     | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 50        | 0       | 0 mm | top                                             | 1.158    | 0.904  | 1.064          | 0.904               | 0.901     | 0.001               | 0.001  |
| 3560.00                                               | 55340 | Low      | LTE Band 48     | 20                          | 15.50                 | 15.40            | -0.02    | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 1         | 0       | 0 mm | bottom                                          | 1.158    | 0.935  | 1.023          | 0.947               | 0.944     | 0.147               | 0.147  |
| 3560.00                                               | 55340 | Low      | LTE Band 48     | 20                          | 15.50                 | 15.23            | -0.03    | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 50        | 0       | 0 mm | bottom                                          | 1.158    | 0.911  | 1.064          | 0.944               | 0.913     | 0.146               | 0.146  |
| 3560.00                                               | 55340 | Low      | LTE Band 48     | 20                          | 15.50                 | 15.40            | 0.00     | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 1         | 0       | 0 mm | right                                           | 1.158    | 0.900  | 1.023          | 0.900               | 0.900     | 0.000               | 0.000  |
| 3560.00                                               | 55340 | Low      | LTE Band 48     | 20                          | 15.50                 | 15.23            | 0.00     | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 50        | 0       | 0 mm | right                                           | 1.158    | 0.900  | 1.064          | 0.900               | 0.900     | 0.000               | 0.000  |
| 3560.00                                               | 55340 | Low      | LTE Band 48     | 20                          | 15.50                 | 15.40            | -0.01    | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 1         | 0       | 0 mm | left                                            | 1.158    | 0.886  | 1.023          | 0.886               | 0.227     | 0.232               | 0.232  |
| 3603.30                                               | 55773 | Low-Mid  | LTE Band 48     | 20                          | 15.50                 | 15.22            | 0.02     | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 1         | 99      | 0 mm | left                                            | 1.158    | 0.628  | 1.067          | 0.670               | 0.161     | 0.172               | 0.172  |
| 3646.70                                               | 56207 | Mid-High | LTE Band 48     | 20                          | 15.50                 | 15.23            | -0.01    | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 1         | 0       | 0 mm | left                                            | 1.158    | 0.462  | 1.064          | 0.513               | 0.223     | 0.131               | 0.131  |
| 3690.00                                               | 56640 | High     | LTE Band 48     | 20                          | 15.50                 | 14.90            | 0.02     | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 1         | 99      | 0 mm | left                                            | 1.158    | 0.298  | 1.148          | 0.342               | 0.072     | 0.076               | 0.076  |
| 3560.00                                               | 55340 | Low      | LTE Band 48     | 20                          | 15.50                 | 15.23            | -0.02    | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 50        | 0       | 0 mm | left                                            | 1.158    | 0.821  | 1.064          | 0.874               | 0.715     | 0.229               | 0.229  |
| 3603.30                                               | 55773 | Low-Mid  | LTE Band 48     | 20                          | 15.50                 | 15.00            | 0.03     | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 50        | 50      | 0 mm | left                                            | 1.158    | 0.633  | 1.122          | 0.710               | 0.182     | 0.182               | 0.182  |
| 3646.70                                               | 56207 | Mid-High | LTE Band 48     | 20                          | 15.50                 | 15.21            | 0.03     | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 50        | 0       | 0 mm | left                                            | 1.158    | 0.457  | 1.069          | 0.489               | 0.115     | 0.123               | 0.123  |
| 3690.00                                               | 56640 | High     | LTE Band 48     | 20                          | 15.50                 | 14.61            | -0.01    | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 50        | 50      | 0 mm | left                                            | 1.158    | 0.298  | 1.227          | 0.866               | 0.079     | 0.099               | 0.099  |
| 3560.00                                               | 55340 | Low      | LTE Band 48     | 20                          | 15.50                 | 15.22            | 0.02     | 0               | Ant 1                | DLX2V5HPQKX | QPSK    | 100       | 0       | 0 mm | left                                            | 1.158    | 0.924  | 1.067          | 0.879               | 0.256     | 0.230               | 0.230  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |       |          |                 |                             |                       |                  |          |                 |                      |             |         |           |         |      | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |          |        |                |                     |           |                     |        |
| Uncontrolled Exposure/General Population              |       |          |                 |                             |                       |                  |          |                 |                      |             |         |           |         |      |                                                 |          |        |                |                     |           |                     |        |

**Table 10-54**  
**LTE Band 48 Ant 3 Body SAR**

| MEASUREMENT RESULTS                      |       |          |                 |                             |                       |                  |          |                 |                      |              |         |           |         |      |            |                      |                |                             |                    |                             |        |
|------------------------------------------|-------|----------|-----------------|-----------------------------|-----------------------|------------------|----------|-----------------|----------------------|--------------|---------|-----------|---------|------|------------|----------------------|----------------|-----------------------------|--------------------|-----------------------------|--------|
| FREQUENCY                                |       | Mode     | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Antenna Config. | Device Serial Number | Modulation   | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (kg) [W/(kg)]    | Scaling Factor | Reported SAR (30g) [W/(kg)] | SAR (30g) [W/(kg)] | Reported SAR (30g) [W/(kg)] | Plot # |
| MHz                                      | Ch.   |          |                 |                             |                       |                  |          |                 |                      |              |         |           |         |      |            |                      |                |                             |                    |                             |        |
| 3500.30                                  | 55340 | Low      | LTE Band 48     | 20                          | 17.50                 | 17.10            | 0.06     | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 1         | 99      | 0 mm | back       | 1:1.58               | 0.600          | 1.096                       | 0.658              | 0.204                       | 0.224  |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 17.50                 | 17.21            | -0.08    | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 1         | 99      | 0 mm | back       | 1:1.58               | 0.717          | 1.069                       | 0.766              | 0.197                       | 0.211  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.32            | -0.18    | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 1         | 0       | 0 mm | back       | 1:1.58               | 0.730          | 1.042                       | 0.761              | 0.242                       | 0.252  |
| 3690.00                                  | 56640 | High     | LTE Band 48     | 20                          | 17.50                 | 17.17            | -0.11    | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 1         | 0       | 0 mm | back       | 1:1.58               | 0.698          | 1.079                       | 0.710              | 0.179                       | 0.193  |
| 3500.30                                  | 55340 | Low      | LTE Band 48     | 20                          | 17.50                 | 16.98            | -0.03    | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 50        | 0       | 0 mm | back       | 1:1.58               | 0.713          | 1.127                       | 0.804              | 0.196                       | 0.221  |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 17.50                 | 17.00            | -0.17    | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 50        | 50      | 0 mm | back       | 1:1.58               | 0.687          | 1.122                       | 0.771              | 0.188                       | 0.211  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.15            | -0.11    | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 50        | 0       | 0 mm | back       | 1:1.58               | 0.677          | 1.084                       | 0.734              | 0.224                       | 0.243  |
| 3690.00                                  | 56640 | High     | LTE Band 48     | 20                          | 17.50                 | 16.98            | -0.10    | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 50        | 0       | 0 mm | back       | 1:1.58               | 0.617          | 1.127                       | 0.695              | 0.167                       | 0.188  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.14            | -0.20    | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 100       | 0       | 0 mm | back       | 1:1.58               | 0.681          | 1.086                       | 0.740              | 0.226                       | 0.245  |
| 3500.30                                  | 55340 | Low      | LTE Band 48     | 20                          | 17.50                 | 17.10            | -0.03    | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 1         | 99      | 0 mm | top        | 1:1.58               | 0.769          | 1.096                       | 0.843              | 0.201                       | 0.220  |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 17.50                 | 17.21            | -0.10    | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 1         | 99      | 0 mm | top        | 1:1.58               | 0.727          | 1.069                       | 0.777              | 0.189                       | 0.202  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.32            | 0.00     | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 1         | 0       | 0 mm | top        | 1:1.58               | 0.673          | 1.042                       | 0.701              | 0.174                       | 0.181  |
| 3690.00                                  | 56640 | High     | LTE Band 48     | 20                          | 17.50                 | 17.17            | -0.03    | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 1         | 0       | 0 mm | top        | 1:1.58               | 0.620          | 1.079                       | 0.689              | 0.159                       | 0.172  |
| 3500.30                                  | 55340 | Low      | LTE Band 48     | 20                          | 17.50                 | 16.98            | -0.02    | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 50        | 0       | 0 mm | top        | 1:1.58               | 0.748          | 1.127                       | 0.843              | 0.196                       | 0.221  |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 17.50                 | 17.00            | -0.04    | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 50        | 50      | 0 mm | top        | 1:1.58               | 0.696          | 1.122                       | 0.761              | 0.179                       | 0.201  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.15            | -0.02    | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 50        | 0       | 0 mm | top        | 1:1.58               | 0.676          | 1.084                       | 0.733              | 0.174                       | 0.189  |
| 3690.00                                  | 56640 | High     | LTE Band 48     | 20                          | 17.50                 | 16.98            | -0.02    | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 50        | 0       | 0 mm | top        | 1:1.58               | 0.585          | 1.127                       | 0.659              | 0.149                       | 0.168  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.14            | -0.04    | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 100       | 0       | 0 mm | top        | 1:1.58               | 0.681          | 1.086                       | 0.740              | 0.175                       | 0.190  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.32            | 0.20     | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1.58               | 0.005          | 1.042                       | 0.005              | 0.001                       | 0.001  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.15            | 0.20     | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 50        | 0       | 0 mm | bottom     | 1:1.58               | 0.005          | 1.084                       | 0.005              | 0.001                       | 0.001  |
| 3500.30                                  | 55340 | Low      | LTE Band 48     | 20                          | 17.50                 | 17.10            | 0.03     | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 1         | 99      | 0 mm | right      | 1:1.58               | 1.080          | 1.096                       | 1.184              | 0.302                       | 0.331  |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 17.50                 | 17.21            | -0.01    | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 1         | 99      | 0 mm | right      | 1:1.58               | 0.872          | 1.069                       | 0.932              | 0.242                       | 0.259  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.32            | -0.02    | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 1         | 0       | 0 mm | right      | 1:1.58               | 1.130          | 1.042                       | 1.177              | 0.316                       | 0.329  |
| 3690.00                                  | 56640 | High     | LTE Band 48     | 20                          | 17.50                 | 17.17            | 0.03     | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 1         | 0       | 0 mm | right      | 1:1.58               | 0.851          | 1.079                       | 0.918              | 0.232                       | 0.250  |
| 3500.30                                  | 55340 | Low      | LTE Band 48     | 20                          | 17.50                 | 16.98            | -0.01    | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 50        | 0       | 0 mm | right      | 1:1.58               | 1.050          | 1.127                       | 1.183              | 0.293                       | 0.330  |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 17.50                 | 17.00            | 0.04     | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 50        | 50      | 0 mm | right      | 1:1.58               | 0.860          | 1.122                       | 0.965              | 0.240                       | 0.269  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.15            | 0.02     | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 50        | 0       | 0 mm | right      | 1:1.58               | 1.090          | 1.084                       | 1.182              | 0.303                       | 0.328  |
| 3690.00                                  | 56640 | High     | LTE Band 48     | 20                          | 17.50                 | 16.98            | -0.01    | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 50        | 0       | 0 mm | right      | 1:1.58               | 0.797          | 1.127                       | 0.898              | 0.218                       | 0.246  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.14            | 0.05     | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 100       | 0       | 0 mm | right      | 1:1.58               | 0.803          | 1.086                       | 0.872              | 0.222                       | 0.241  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.32            | 0.00     | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 1         | 0       | 0 mm | left       | 1:1.58               | 0.000          | 1.042                       | 0.000              | 0.000                       | 0.000  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.15            | 0.00     | 0               | Ant 3                | DLX2T004P5TG | QPSK    | 50        | 0       | 0 mm | left       | 1:1.58               | 0.000          | 1.084                       | 0.000              | 0.000                       | 0.000  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |       |          |                 |                             |                       |                  |          |                 |                      |              |         |           |         |      |            | Body                 |                |                             |                    |                             |        |
| Spatial Peak                             |       |          |                 |                             |                       |                  |          |                 |                      |              |         |           |         |      |            | 1.6 W/kg (mW/g)      |                |                             |                    |                             |        |
| Uncontrolled Exposure/General Population |       |          |                 |                             |                       |                  |          |                 |                      |              |         |           |         |      |            | averaged over 1 gram |                |                             |                    |                             |        |

**Table 10-55**  
**LTE Band 48 Ant 2b Body SAR**

| MEASUREMENT RESULTS                      |       |          |                 |                             |                       |                 |          |                 |                      |                      |         |           |         |      |            |                 |                |                          |                  |                           |        |     |
|------------------------------------------|-------|----------|-----------------|-----------------------------|-----------------------|-----------------|----------|-----------------|----------------------|----------------------|---------|-----------|---------|------|------------|-----------------|----------------|--------------------------|------------------|---------------------------|--------|-----|
| FREQUENCY                                |       | Mode     | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Out [dBm] | MPR [dB] | Antenna Config. | Device Serial Number | Modulation           | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (kg) [W/kg] | Scaling Factor | Reported SAR (kg) [W/kg] | SAR (30g) [W/kg] | Reported SAR (30g) [W/kg] | Plot # |     |
| MHz                                      | Ch.   |          |                 |                             |                       |                 |          |                 |                      |                      |         |           |         |      |            |                 |                |                          |                  |                           |        |     |
| 3500.30                                  | 55340 | Low      | LTE Band 48     | 20                          | 14.80                 | 14.56           | -0.05    | 0               | Ant 2b               | DLX2T003P5TG         | QPSK    | 1         | 99      | 0 mm | back       | 1:1.58          | 0.818          | 1.057                    | 0.805            | 0.240                     | 0.254  |     |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 14.80                 | 14.74           | -0.01    | 0               | Ant 2b               | DLX2T003P5TG         | QPSK    | 1         | 99      | 0 mm | back       | 1:1.58          | 1.170          | 1.014                    | 1.136            | 0.342                     | 0.347  | A17 |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 14.80                 | 14.80           | 0.00     | 0               | Ant 2b               | DLX2T003P5TG         | QPSK    | 1         | 99      | 0 mm | back       | 1:1.58          | 1.010          | 1.000                    | 1.010            | 0.297                     | 0.297  |     |
| 3690.00                                  | 56640 | High     | LTE Band 48     | 20                          | 14.80                 | 14.43           | 0.00     | 0               | Ant 2b               | DLX2T003P5TG         | QPSK    | 1         | 0       | 0 mm | back       | 1:1.58          | 0.556          | 1.089                    | 0.605            | 0.160                     | 0.174  |     |
| 3500.30                                  | 55340 | Low      | LTE Band 48     | 20                          | 14.80                 | 14.47           | -0.01    | 0               | Ant 2b               | DLX2T003P5TG         | QPSK    | 50        | 0       | 0 mm | back       | 1:1.58          | 0.830          | 1.079                    | 0.896            | 0.244                     | 0.263  |     |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 14.80                 | 14.65           | 0.00     | 0               | Ant 2b               | DLX2T003P5TG         | QPSK    | 50        | 50      | 0 mm | back       | 1:1.58          | 1.140          | 1.035                    | 1.180            | 0.333                     | 0.345  |     |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 14.80                 | 14.63           | -0.11    | 0               | Ant 2b               | DLX2T003P5TG         | QPSK    | 50        | 50      | 0 mm | back       | 1:1.58          | 1.010          | 1.040                    | 1.050            | 0.293                     | 0.305  |     |
| 3690.00                                  | 56640 | High     | LTE Band 48     | 20                          | 14.80                 | 14.32           | -0.01    | 0               | Ant 2b               | DLX2T003P5TG         | QPSK    | 50        | 0       | 0 mm | back       | 1:1.58          | 0.536          | 1.117                    | 0.599            | 0.154                     | 0.172  |     |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 14.80                 | 14.62           | -0.03    | 0               | Ant 2b               | DLX2T003P5TG         | QPSK    | 100       | 0       | 0 mm | back       | 1:1.58          | 1.020          | 1.042                    | 1.063            | 0.297                     | 0.309  |     |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 14.80                 | 14.80           | 0.00     | 0               | Ant 2b               | DLX2T003P5TG         | QPSK    | 1         | 99      | 0 mm | top        | 1:1.58          | 0.000          | 1.000                    | 0.000            | 0.000                     | 0.000  |     |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 14.80                 | 14.65           | 0.00     | 0               | Ant 2b               | DLX2T003P5TG         | QPSK    | 50        | 50      | 0 mm | top        | 1:1.58          | 0.000          | 1.035                    | 0.000            | 0.000                     | 0.000  |     |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 14.80                 | 14.80           | -0.01    | 0               | Ant 2b               | DLX2T003P5TG         | QPSK    | 1         | 99      | 0 mm | bottom     | 1:1.58          | 0.277          | 1.000                    | 0.277            | 0.079                     | 0.079  |     |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 14.80                 | 14.65           | -0.02    | 0               | Ant 2b               | DLX2T003P5TG         | QPSK    | 50        | 50      | 0 mm | bottom     | 1:1.58          | 0.331          | 1.035                    | 0.343            | 0.097                     | 0.100  |     |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 14.80                 | 14.80           | 0.16     | 0               | Ant 2b               | DLX2T003P5TG         | QPSK    | 1         | 99      | 0 mm | right      | 1:1.58          | 0.021          | 1.000                    | 0.021            | 0.005                     | 0.005  |     |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 14.80                 | 14.65           | 0.05     | 0               | Ant 2b               | DLX2T003P5TG         | QPSK    | 50        | 50      | 0 mm | right      | 1:1.58          | 0.024          | 1.035                    | 0.025            | 0.006                     | 0.006  |     |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 14.80                 | 14.80           | 0.20     | 0               | Ant 2b               | DLX2T003P5TG         | QPSK    | 1         | 99      | 0 mm | left       | 1:1.58          | 0.009          | 1.000                    | 0.009            | 0.002                     | 0.002  |     |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 14.80                 | 14.65           | 0.20     | 0               | Ant 2b               | DLX2T003P5TG         | QPSK    | 50        | 50      | 0 mm | left       | 1:1.58          | 0.009          | 1.035                    | 0.009            | 0.002                     | 0.002  |     |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 14.80                 | 14.74           | -0.01    | 0               | Ant 2b               | DLX2T003P5TG         | QPSK    | 1         | 99      | 0 mm | back       | 1:1.58          | 1.160          | 1.014                    | 1.176            | 0.341                     | 0.346  |     |
| ANSI / IEEE C63.1-1998 - SAFETY LIMIT    |       |          |                 |                             |                       |                 |          |                 |                      | Body                 |         |           |         |      |            |                 |                |                          |                  |                           |        |     |
| Spatial Peak                             |       |          |                 |                             |                       |                 |          |                 |                      | 1.6 W/kg (mW/g)      |         |           |         |      |            |                 |                |                          |                  |                           |        |     |
| Uncontrolled Exposure/General Population |       |          |                 |                             |                       |                 |          |                 |                      | averaged over 1 gram |         |           |         |      |            |                 |                |                          |                  |                           |        |     |

Table 10-56  
LTE Band 48 Ant 4b Body SAR

| MEASUREMENT RESULTS                      |       |          |                 |                             |                       |                  |          |                      |                      |              |         |           |         |      |            |            |                |                     |            |                     |        |
|------------------------------------------|-------|----------|-----------------|-----------------------------|-----------------------|------------------|----------|----------------------|----------------------|--------------|---------|-----------|---------|------|------------|------------|----------------|---------------------|------------|---------------------|--------|
| FREQUENCY                                |       | Mode     | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Dens [dBm] | MPR [dB] | Antenna Config.      | Device Serial Number | Modulation   | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR [W/kg] | Scaling Factor | Reported SAR [W/kg] | SAR [W/kg] | Reported SAR [W/kg] | Plot # |
| MHz                                      | Ch.   |          |                 |                             |                       |                  |          |                      |                      |              |         |           |         |      |            | (W/kg)     | (W/kg)         | (W/kg)              |            |                     |        |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 16.40                 | 16.18            | 0.00     | 0                    | Ant 4b               | DLXZT001P57G | QPSK    | 1         | 99      | 0 mm | back       | 1:1.58     | 1.120          | 1.052               | 1.178      | 0.536               | 0.353  |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 16.40                 | 16.28            | 0.14     | 0                    | Ant 4b               | DLXZT001P57G | QPSK    | 1         | 99      | 0 mm | back       | 1:1.58     | 1.070          | 1.028               | 1.100      | 0.318               | 0.327  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 16.40                 | 16.26            | 0.00     | 0                    | Ant 4b               | DLXZT001P57G | QPSK    | 1         | 99      | 0 mm | back       | 1:1.58     | 1.030          | 1.033               | 1.064      | 0.305               | 0.315  |
| 3690.00                                  | 56640 | High     | LTE Band 48     | 20                          | 16.40                 | 16.12            | 0.02     | 0                    | Ant 4b               | DLXZT001P57G | QPSK    | 1         | 99      | 0 mm | back       | 1:1.58     | 0.893          | 1.067               | 0.953      | 0.260               | 0.277  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 16.40                 | 16.24            | -0.08    | 0                    | Ant 4b               | DLXZT001P57G | QPSK    | 50        | 0       | 0 mm | back       | 1:1.58     | 1.140          | 1.038               | 1.183      | 0.341               | 0.354  |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 16.40                 | 16.03            | 0.00     | 0                    | Ant 4b               | DLXZT001P57G | QPSK    | 50        | 50      | 0 mm | back       | 1:1.58     | 1.070          | 1.089               | 1.165      | 0.315               | 0.343  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 16.40                 | 16.02            | 0.02     | 0                    | Ant 4b               | DLXZT001P57G | QPSK    | 50        | 50      | 0 mm | back       | 1:1.58     | 1.020          | 1.091               | 1.113      | 0.300               | 0.327  |
| 3690.00                                  | 56640 | High     | LTE Band 48     | 20                          | 16.40                 | 15.96            | -0.04    | 0                    | Ant 4b               | DLXZT001P57G | QPSK    | 50        | 50      | 0 mm | back       | 1:1.58     | 0.874          | 1.107               | 0.968      | 0.253               | 0.280  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 16.40                 | 16.08            | -0.05    | 0                    | Ant 4b               | DLXZT001P57G | QPSK    | 100       | 0       | 0 mm | back       | 1:1.58     | 1.030          | 1.076               | 1.108      | 0.303               | 0.326  |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 16.40                 | 16.28            | 0.13     | 0                    | Ant 4b               | DLXZT001P57G | QPSK    | 1         | 99      | 0 mm | top        | 1:1.58     | 0.360          | 1.028               | 0.370      | 0.100               | 0.103  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 16.40                 | 16.24            | 0.04     | 0                    | Ant 4b               | DLXZT001P57G | QPSK    | 50        | 0       | 0 mm | top        | 1:1.58     | 0.325          | 1.038               | 0.337      | 0.089               | 0.092  |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 16.40                 | 16.26            | 0.00     | 0                    | Ant 4b               | DLXZT001P57G | QPSK    | 1         | 99      | 0 mm | bottom     | 1:1.58     | 0.000          | 1.028               | 0.000      | 0.000               | 0.000  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 16.40                 | 16.24            | 0.00     | 0                    | Ant 4b               | DLXZT001P57G | QPSK    | 50        | 0       | 0 mm | bottom     | 1:1.58     | 0.000          | 1.038               | 0.000      | 0.000               | 0.000  |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 16.40                 | 16.28            | 0.21     | 0                    | Ant 4b               | DLXZT001P57G | QPSK    | 1         | 99      | 0 mm | right      | 1:1.58     | 0.010          | 1.028               | 0.010      | 0.002               | 0.002  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 16.40                 | 16.24            | 0.20     | 0                    | Ant 4b               | DLXZT001P57G | QPSK    | 50        | 0       | 0 mm | right      | 1:1.58     | 0.014          | 1.038               | 0.015      | 0.004               | 0.004  |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 16.40                 | 16.26            | 0.21     | 0                    | Ant 4b               | DLXZT001P57G | QPSK    | 1         | 99      | 0 mm | left       | 1:1.58     | 0.024          | 1.028               | 0.025      | 0.006               | 0.006  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 16.40                 | 16.24            | 0.14     | 0                    | Ant 4b               | DLXZT001P57G | QPSK    | 50        | 0       | 0 mm | left       | 1:1.58     | 0.032          | 1.038               | 0.033      | 0.008               | 0.008  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 16.40                 | 16.24            | -0.06    | 0                    | Ant 4b               | DLXZT001P57G | QPSK    | 50        | 0       | 0 mm | back       | 1:1.58     | 1.120          | 1.038               | 1.163      | 0.336               | 0.351  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |       |          |                 |                             |                       |                  |          | Body                 |                      |              |         |           |         |      |            |            |                |                     |            |                     |        |
| Spatial Peak                             |       |          |                 |                             |                       |                  |          | 1.6 W/kg (mW/kg)     |                      |              |         |           |         |      |            |            |                |                     |            |                     |        |
| Uncontrolled Exposure/General Population |       |          |                 |                             |                       |                  |          | averaged over 1 gram |                      |              |         |           |         |      |            |            |                |                     |            |                     |        |

Note: Blue entry represents variability measurement.

Table 10-57  
2.4 GHz WLAN Ant 2a Body SAR

| MEASUREMENT RESULTS                      |     |         |         |                 |                             |                       |                 |         |                 |         |                      |                      |        |                |          |                        |                             |                   |          |                   |        |
|------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|-----------------|---------|-----------------|---------|----------------------|----------------------|--------|----------------|----------|------------------------|-----------------------------|-------------------|----------|-------------------|--------|
| FREQUENCY                                |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Dens [dB] | Spacing | Antenna Config. | Variant | Device Serial Number | Data Rate [Mbps]     | Side   | Duty Cycle (%) | SAR [dB] | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR [dB] | SAR [dB] | Reported SAR [dB] | Plot # |
| MHz                                      | Ch. |         |         |                 |                             |                       |                 |         |                 |         |                      |                      |        |                | (W/kg)   |                        | (W/kg)                      | (W/kg)            | (W/kg)   |                   |        |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 14.00                       | 13.06                 | 0.13            | 0 mm    | Ant 2a          | V1      | DLXZR010P57F         | 1                    | back   | 99.2           | 0.894    | 1.242                  | 1.008                       | 1.119             | 0.393    | 0.492             | A18    |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 14.00                       | 13.04                 | 0.06            | 0 mm    | Ant 2a          | V2      | DLXZR005P57F         | 1                    | back   | 99.0           | 0.817    | 1.247                  | 1.010                       | 1.029             | 0.362    | 0.456             |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 14.00                       | 13.01                 | -0.08           | 0 mm    | Ant 2a          | V1      | DLXZR010P57F         | 1                    | back   | 99.2           | 0.877    | 1.256                  | 1.008                       | 1.110             | 0.384    | 0.486             |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 14.00                       | 13.20                 | 0.02            | 0 mm    | Ant 2a          | V1      | DLXZR010P57F         | 1                    | back   | 99.2           | 0.894    | 1.202                  | 1.008                       | 1.083             | 0.381    | 0.462             |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 14.00                       | 13.20                 | 0.20            | 0 mm    | Ant 2a          | V1      | DLXZR010P57F         | 1                    | top    | 99.2           | 0.017    | 1.202                  | 1.008                       | 0.021             | 0.008    | 0.010             |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 14.00                       | 13.20                 | 0.04            | 0 mm    | Ant 2a          | V1      | DLXZR010P57F         | 1                    | bottom | 99.2           | 0.429    | 1.202                  | 1.008                       | 0.520             | 0.133    | 0.161             |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 14.00                       | 13.20                 | 0.05            | 0 mm    | Ant 2a          | V1      | DLXZR010P57F         | 1                    | right  | 99.2           | 0.516    | 1.202                  | 1.008                       | 0.625             | 0.180    | 0.218             |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 14.00                       | 13.20                 | 0.05            | 0 mm    | Ant 2a          | V1      | DLXZR010P57F         | 1                    | left   | 99.2           | 0.002    | 1.202                  | 1.008                       | 0.002             | 0.001    | 0.001             |        |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 7.00                        | 6.07                  | -0.09           | 0 mm    | Ant 2a          | V1      | DLXZR010P57F         | 1                    | back   | 99.2           | 0.169    | 1.239                  | 1.008                       | 0.211             | 0.071    | 0.089             |        |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 7.00                        | 6.07                  | -0.01           | 0 mm    | Ant 2a          | V1      | DLXZR010P57F         | 1                    | bottom | 99.2           | 0.087    | 1.239                  | 1.008                       | 0.109             | 0.025    | 0.031             |        |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 7.00                        | 6.07                  | 0.09            | 0 mm    | Ant 2a          | V1      | DLXZR010P57F         | 1                    | right  | 99.2           | 0.096    | 1.239                  | 1.008                       | 0.122             | 0.035    | 0.044             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |         |         |                 |                             |                       |                 |         |                 |         |                      | Body                 |        |                |          |                        |                             |                   |          |                   |        |
| Spatial Peak                             |     |         |         |                 |                             |                       |                 |         |                 |         |                      | 1.6 W/kg (mW/kg)     |        |                |          |                        |                             |                   |          |                   |        |
| Uncontrolled Exposure/General Population |     |         |         |                 |                             |                       |                 |         |                 |         |                      | averaged over 1 gram |        |                |          |                        |                             |                   |          |                   |        |

|                                         |                                                                                                           |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  SAR EVALUATION REPORT |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                    | DUT Type:<br>Tablet Device | Page 246 of 284                 |

Table 10-58  
2.4 GHz WLAN Ant 4a Body SAR

| MEASUREMENT RESULTS                      |     |         |         |                 |                             |                       |                  |         |                 |                      |                      |                  |        |                |          |                        |                             |                   |             |                      |        |
|------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|------------------|---------|-----------------|----------------------|----------------------|------------------|--------|----------------|----------|------------------------|-----------------------------|-------------------|-------------|----------------------|--------|
| FREQUENCY                                |     | Mode    | Service | Bandwidth (MHz) | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Dens. (dB) | Spacing | Antenna Config. | Variant              | Device Serial Number | Data Rate (Mbps) | Side   | Duty Cycle (%) | SAR (dB) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (dB) | SAR (mW/kg) | Reported SAR (mW/kg) | Plot # |
| MHz                                      | Ch. |         |         |                 |                             |                       |                  |         |                 |                      |                      |                  |        |                |          |                        |                             |                   |             |                      |        |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 13.75                       | 12.78                 | 0.08             | 0 mm    | Ant 4a          | V1                   | DLX2R010P57F         | 1                | back   | 99.1           | 0.865    | 1.250                  | 1.009                       | 1.076             | 0.371       | 0.468                |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 13.75                       | 12.76                 | 0.03             | 0 mm    | Ant 4a          | V1                   | DLX2R010P57F         | 1                | back   | 99.1           | 0.849    | 1.256                  | 1.009                       | 1.076             | 0.364       | 0.461                |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 13.75                       | 12.79                 | -0.03            | 0 mm    | Ant 4a          | V1                   | DLX2R010P57F         | 1                | back   | 99.1           | 0.876    | 1.247                  | 1.009                       | 1.102             | 0.367       | 0.462                |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 13.75                       | 12.95                 | 0.03             | 0 mm    | Ant 4a          | V2                   | DLX2R010P57F         | 1                | back   | 99.0           | 0.790    | 1.202                  | 1.010                       | 0.959             | 0.348       | 0.422                |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 13.75                       | 12.79                 | 0.02             | 0 mm    | Ant 4a          | V1                   | DLX2R010P57F         | 1                | top    | 99.1           | 0.885    | 1.247                  | 1.009                       | 0.484             | 0.117       | 0.147                |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 13.75                       | 12.79                 | 0.20             | 0 mm    | Ant 4a          | V1                   | DLX2R010P57F         | 1                | bottom | 99.1           | 0.018    | 1.247                  | 1.009                       | 0.023             | 0.008       | 0.010                |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 13.75                       | 12.79                 | -0.20            | 0 mm    | Ant 4a          | V1                   | DLX2R010P57F         | 1                | right  | 99.1           | 0.003    | 1.247                  | 1.009                       | 0.004             | 0.001       | 0.001                |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 13.75                       | 12.79                 | 0.06             | 0 mm    | Ant 4a          | V1                   | DLX2R010P57F         | 1                | left   | 99.1           | 0.487    | 1.247                  | 1.009                       | 0.613             | 0.168       | 0.211                |        |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 6.75                        | 5.94                  | 0.07             | 0 mm    | Ant 4a          | V1                   | DLX2R010P57F         | 1                | back   | 99.1           | 0.116    | 1.205                  | 1.009                       | 0.141             | 0.050       | 0.061                |        |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 6.75                        | 5.94                  | -0.06            | 0 mm    | Ant 4a          | V1                   | DLX2R010P57F         | 1                | top    | 99.1           | 0.062    | 1.205                  | 1.009                       | 0.100             | 0.023       | 0.028                |        |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 6.75                        | 5.94                  | 0.12             | 0 mm    | Ant 4a          | V1                   | DLX2R010P57F         | 1                | left   | 99.1           | 0.104    | 1.205                  | 1.009                       | 0.126             | 0.036       | 0.044                |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |         |         |                 |                             |                       |                  |         |                 | Body                 |                      |                  |        |                |          |                        |                             |                   |             |                      |        |
| Spatial Peak                             |     |         |         |                 |                             |                       |                  |         |                 | 1.6 W/kg (mW/g)      |                      |                  |        |                |          |                        |                             |                   |             |                      |        |
| Uncontrolled Exposure/General Population |     |         |         |                 |                             |                       |                  |         |                 | averaged over 1 gram |                      |                  |        |                |          |                        |                             |                   |             |                      |        |

Table 10-59  
WLAN 5GHz ANTlower Body SAR

| MEASUREMENT RESULTS                      |     |          |         |                 |                             |                       |                  |         |                 |         |                      |                      |        |                |          |                        |                              |                   |                   |                   |        |
|------------------------------------------|-----|----------|---------|-----------------|-----------------------------|-----------------------|------------------|---------|-----------------|---------|----------------------|----------------------|--------|----------------|----------|------------------------|------------------------------|-------------------|-------------------|-------------------|--------|
| FREQUENCY                                |     | Mode     | Service | Bandwidth (MHz) | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Dens. (dB) | Spacing | Antenna Config. | Variant | Device Serial Number | Data Rate (Mbps)     | Side   | Duty Cycle (%) | SAR (dB) | Scaling Factor (Power) | Scaling Factor (Body Factor) | Reported SAR (dB) | SAR (W/kg) (mW/g) | Reported SAR (dB) | Plot # |
| MHz                                      | Ch. |          |         |                 |                             |                       |                  |         |                 |         |                      |                      |        |                |          |                        |                              |                   |                   |                   |        |
| 5230                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 16.20                 | -0.21            | 0 mm    | SGHz ANTlower   | V1      | DLX2V05LPQKX         | 13.5                 | back   | 98.0           | 0.091    | 1.202                  | 1.020                        | 0.112             | 0.037             | 0.045             |        |
| 5230                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 16.20                 | 0.20             | 0 mm    | SGHz ANTlower   | V1      | DLX2V05LPQKX         | 13.5                 | top    | 98.0           | 0.000    | 1.202                  | 1.020                        | 0.000             | 0.000             | 0.000             |        |
| 5230                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 16.20                 | 0.21             | 0 mm    | SGHz ANTlower   | V1      | DLX2V05LPQKX         | 13.5                 | bottom | 98.0           | 0.005    | 1.202                  | 1.020                        | 0.006             | 0.003             | 0.004             |        |
| 5130                                     | 38  | 802.11n  | OFDM    | 40              | 14.00                       | 12.66                 | -0.12            | 0 mm    | SGHz ANTlower   | V1      | DLX2V05LPQKX         | 13.5                 | right  | 98.0           | 0.370    | 1.361                  | 1.020                        | 0.514             | 0.083             | 0.115             |        |
| 5230                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 16.20                 | 0.16             | 0 mm    | SGHz ANTlower   | V1      | DLX2V05LPQKX         | 13.5                 | right  | 98.0           | 0.919    | 1.202                  | 1.020                        | 1.127             | 0.224             | 0.275             | A19    |
| 5230                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 16.09                 | 0.12             | 0 mm    | SGHz ANTlower   | V2      | DLX2V05LPQKX         | 13.5                 | right  | 97.9           | 0.834    | 1.233                  | 1.021                        | 1.050             | 0.202             | 0.254             |        |
| 5230                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 16.20                 | 0.21             | 0 mm    | SGHz ANTlower   | V1      | DLX2V05LPQKX         | 13.5                 | left   | 98.0           | 0.011    | 1.202                  | 1.020                        | 0.013             | 0.007             | 0.009             |        |
| 5210                                     | 42  | 802.11ac | OFDM    | 80              | 13.00                       | 12.06                 | 0.20             | 0 mm    | SGHz ANTlower   | V1      | DLX2V05LPQKX         | 29.3                 | back   | 98.0           | 0.019    | 1.242                  | 1.020                        | 0.024             | 0.006             | 0.008             |        |
| 5210                                     | 42  | 802.11ac | OFDM    | 80              | 13.00                       | 12.06                 | -0.13            | 0 mm    | SGHz ANTlower   | V1      | DLX2V05LPQKX         | 29.3                 | right  | 98.0           | 0.237    | 1.242                  | 1.020                        | 0.300             | 0.064             | 0.069             |        |
| 5610                                     | 122 | 802.11ac | OFDM    | 80              | 15.50                       | 14.54                 | -0.06            | 0 mm    | SGHz ANTlower   | V1      | DLX2R010P57F         | 29.3                 | back   | 95.7           | 0.094    | 1.247                  | 1.045                        | 0.122             | 0.041             | 0.053             |        |
| 5610                                     | 122 | 802.11ac | OFDM    | 80              | 15.50                       | 14.54                 | 0.09             | 0 mm    | SGHz ANTlower   | V1      | DLX2R010P57F         | 29.3                 | top    | 95.7           | 0.000    | 1.247                  | 1.045                        | 0.000             | 0.000             | 0.000             |        |
| 5610                                     | 122 | 802.11ac | OFDM    | 80              | 15.50                       | 14.54                 | -0.20            | 0 mm    | SGHz ANTlower   | V1      | DLX2R010P57F         | 29.3                 | bottom | 95.7           | 0.001    | 1.247                  | 1.045                        | 0.001             | 0.001             | 0.001             |        |
| 5630                                     | 106 | 802.11ac | OFDM    | 80              | 13.00                       | 11.03                 | -0.01            | 0 mm    | SGHz ANTlower   | V1      | DLX2R010P57F         | 29.3                 | right  | 95.7           | 0.286    | 1.574                  | 1.045                        | 0.469             | 0.067             | 0.110             |        |
| 5610                                     | 122 | 802.11ac | OFDM    | 80              | 15.50                       | 14.54                 | -0.20            | 0 mm    | SGHz ANTlower   | V1      | DLX2R010P57F         | 29.3                 | right  | 95.7           | 0.790    | 1.247                  | 1.045                        | 1.029             | 0.205             | 0.267             |        |
| 5610                                     | 122 | 802.11ac | OFDM    | 80              | 15.50                       | 14.57                 | -0.14            | 0 mm    | SGHz ANTlower   | V2      | DLX2R000P57F         | 29.3                 | right  | 96.0           | 0.763    | 1.239                  | 1.042                        | 0.985             | 0.191             | 0.247             |        |
| 5690                                     | 138 | 802.11ac | OFDM    | 80              | 15.50                       | 14.50                 | 0.03             | 0 mm    | SGHz ANTlower   | V1      | DLX2R010P57F         | 29.3                 | right  | 95.7           | 0.744    | 1.259                  | 1.045                        | 0.979             | 0.195             | 0.257             |        |
| 5610                                     | 122 | 802.11ac | OFDM    | 80              | 15.50                       | 14.54                 | -0.19            | 0 mm    | SGHz ANTlower   | V1      | DLX2R010P57F         | 29.3                 | left   | 95.7           | 0.009    | 1.247                  | 1.045                        | 0.012             | 0.006             | 0.008             |        |
| 5610                                     | 122 | 802.11ac | OFDM    | 80              | 11.50                       | 10.75                 | -0.14            | 0 mm    | SGHz ANTlower   | V1      | DLX2R010P57F         | 29.3                 | back   | 95.7           | 0.037    | 1.189                  | 1.045                        | 0.046             | 0.019             | 0.024             |        |
| 5610                                     | 122 | 802.11ac | OFDM    | 80              | 11.50                       | 10.75                 | -0.08            | 0 mm    | SGHz ANTlower   | V1      | DLX2R010P57F         | 29.3                 | right  | 95.7           | 0.292    | 1.189                  | 1.045                        | 0.363             | 0.084             | 0.104             |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.50                       | 14.54                 | -0.21            | 0 mm    | SGHz ANTlower   | V1      | DLX2N004P57G         | 29.3                 | back   | 95.7           | 0.099    | 1.247                  | 1.045                        | 0.129             | 0.036             | 0.047             |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.50                       | 14.54                 | 0.00             | 0 mm    | SGHz ANTlower   | V1      | DLX2N004P57G         | 29.3                 | top    | 95.7           | 0.000    | 1.247                  | 1.045                        | 0.000             | 0.000             | 0.000             |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.50                       | 14.54                 | 0.00             | 0 mm    | SGHz ANTlower   | V1      | DLX2N004P57G         | 29.3                 | bottom | 95.7           | 0.000    | 1.247                  | 1.045                        | 0.000             | 0.000             | 0.000             |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.50                       | 14.54                 | -0.14            | 0 mm    | SGHz ANTlower   | V1      | DLX2N004P57G         | 29.3                 | right  | 95.7           | 0.777    | 1.247                  | 1.045                        | 1.013             | 0.217             | 0.283             |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.50                       | 14.50                 | -0.21            | 0 mm    | SGHz ANTlower   | V2      | DLX2N00LP57G         | 29.3                 | right  | 96.0           | 0.605    | 1.259                  | 1.042                        | 0.899             | 0.177             | 0.232             |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.50                       | 14.54                 | 0.00             | 0 mm    | SGHz ANTlower   | V1      | DLX2N004P57G         | 29.3                 | left   | 95.7           | 0.005    | 1.247                  | 1.045                        | 0.007             | 0.001             | 0.001             |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 11.50                       | 10.80                 | 0.20             | 0 mm    | SGHz ANTlower   | V1      | DLX2N004P57G         | 29.3                 | back   | 95.7           | 0.044    | 1.175                  | 1.045                        | 0.054             | 0.021             | 0.026             |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 11.50                       | 10.80                 | 0.11             | 0 mm    | SGHz ANTlower   | V1      | DLX2N004P57G         | 29.3                 | right  | 95.7           | 0.315    | 1.175                  | 1.045                        | 0.387             | 0.093             | 0.114             |        |
| 5230                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 16.20                 | 0.16             | 0 mm    | SGHz ANTlower   | V1      | DLX2V05LPQKX         | 13.5                 | right  | 98.0           | 0.915    | 1.202                  | 1.020                        | 1.122             | 0.223             | 0.273             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |          |         |                 |                             |                       |                  |         |                 |         |                      | Body                 |        |                |          |                        |                              |                   |                   |                   |        |
| Spatial Peak                             |     |          |         |                 |                             |                       |                  |         |                 |         |                      | 1.6 W/kg (mW/g)      |        |                |          |                        |                              |                   |                   |                   |        |
| Uncontrolled Exposure/General Population |     |          |         |                 |                             |                       |                  |         |                 |         |                      | averaged over 1 gram |        |                |          |                        |                              |                   |                   |                   |        |

Note: Blue entry represents variability measurement.

|                                         |                                                                                                           |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  SAR EVALUATION REPORT |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                    | DUT Type:<br>Tablet Device | Page 247 of 284                 |

Table 10-60  
WLAN 5GHz ANTupper Body SAR

| MEASUREMENT RESULTS                      |     |          |         |                 |                             |                       |                  |         |                 |         |                      |                  |        |                |                 |                        |                             |                          |                  |                           |      |
|------------------------------------------|-----|----------|---------|-----------------|-----------------------------|-----------------------|------------------|---------|-----------------|---------|----------------------|------------------|--------|----------------|-----------------|------------------------|-----------------------------|--------------------------|------------------|---------------------------|------|
| FREQUENCY                                |     | Mode     | Service | Bandwidth (MHz) | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Drift (dB) | Spacing | Antenna Config. | Variant | Device Serial Number | Data Rate (Mbps) | Side   | Duty Cycle (%) | SAR (1g) (W/kg) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) (W/kg) | SAR (10g) (W/kg) | Reported SAR (10g) (W/kg) | Plot |
| MHz                                      | Ch. |          |         |                 |                             |                       |                  |         |                 |         |                      |                  |        |                |                 |                        |                             |                          |                  |                           |      |
| 5230                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 16.00                 | -0.20            | 0 mm    | SGHz ANTupper   | V1      | DLX2R010P57F         | 13.5             | back   | 98.0           | 0.061           | 1.259                  | 1.020                       | 0.104                    | 0.037            | 0.048                     |      |
| 5230                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 16.00                 | -0.20            | 0 mm    | SGHz ANTupper   | V1      | DLX2R010P57F         | 13.5             | top    | 98.0           | 0.007           | 1.259                  | 1.020                       | 0.009                    | 0.006            | 0.008                     |      |
| 5230                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 16.00                 | -0.21            | 0 mm    | SGHz ANTupper   | V1      | DLX2R010P57F         | 13.5             | bottom | 98.0           | 0.000           | 1.259                  | 1.020                       | 0.000                    | 0.000            | 0.000                     |      |
| 5100                                     | 38  | 802.11n  | OFDM    | 40              | 14.00                       | 12.60                 | -0.12            | 0 mm    | SGHz ANTupper   | V1      | DLX2R010P57F         | 13.5             | right  | 98.0           | 0.267           | 1.380                  | 1.020                       | 0.376                    | 0.072            | 0.101                     |      |
| 5230                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 16.00                 | -0.20            | 0 mm    | SGHz ANTupper   | V1      | DLX2R010P57F         | 13.5             | right  | 98.0           | 0.783           | 1.259                  | 1.020                       | 1.006                    | 0.212            | 0.272                     |      |
| 5230                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 16.20                 | -0.15            | 0 mm    | SGHz ANTupper   | V2      | DLX2R00QP57F         | 13.5             | right  | 97.9           | 0.752           | 1.202                  | 1.021                       | 0.923                    | 0.200            | 0.245                     |      |
| 5230                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 16.00                 | -0.20            | 0 mm    | SGHz ANTupper   | V1      | DLX2R010P57F         | 13.5             | left   | 98.0           | 0.013           | 1.259                  | 1.020                       | 0.017                    | 0.007            | 0.009                     |      |
| 5210                                     | 42  | 802.11ac | OFDM    | 80              | 12.00                       | 11.14                 | -0.20            | 0 mm    | SGHz ANTupper   | V1      | DLX2R010P57F         | 29.3             | back   | 95.7           | 0.022           | 1.219                  | 1.045                       | 0.028                    | 0.012            | 0.015                     |      |
| 5210                                     | 42  | 802.11ac | OFDM    | 80              | 12.00                       | 11.14                 | -0.16            | 0 mm    | SGHz ANTupper   | V1      | DLX2R010P57F         | 29.3             | right  | 95.7           | 0.234           | 1.219                  | 1.045                       | 0.298                    | 0.065            | 0.083                     |      |
| 5610                                     | 122 | 802.11ac | OFDM    | 80              | 15.50                       | 14.64                 | -0.20            | 0 mm    | SGHz ANTupper   | V2      | DLX2V01HPQKX         | 29.3             | back   | 95.7           | 0.085           | 1.219                  | 1.045                       | 0.108                    | 0.038            | 0.048                     |      |
| 5610                                     | 122 | 802.11ac | OFDM    | 80              | 15.50                       | 14.64                 | -0.20            | 0 mm    | SGHz ANTupper   | V2      | DLX2V01HPQKX         | 29.3             | top    | 95.7           | 0.002           | 1.219                  | 1.045                       | 0.003                    | 0.000            | 0.000                     |      |
| 5610                                     | 122 | 802.11ac | OFDM    | 80              | 15.50                       | 14.64                 | -0.00            | 0 mm    | SGHz ANTupper   | V2      | DLX2V01HPQKX         | 29.3             | bottom | 95.7           | 0.000           | 1.219                  | 1.045                       | 0.000                    | 0.000            | 0.000                     |      |
| 5610                                     | 106 | 802.11ac | OFDM    | 80              | 13.00                       | 11.06                 | -0.21            | 0 mm    | SGHz ANTupper   | V2      | DLX2V01HPQKX         | 29.3             | right  | 95.7           | 0.299           | 1.563                  | 1.045                       | 0.488                    | 0.081            | 0.132                     |      |
| 5610                                     | 122 | 802.11ac | OFDM    | 80              | 15.50                       | 14.64                 | -0.05            | 0 mm    | SGHz ANTupper   | V2      | DLX2V01HPQKX         | 29.3             | right  | 95.7           | 0.617           | 1.219                  | 1.045                       | 1.041                    | 0.232            | 0.296                     |      |
| 5610                                     | 122 | 802.11ac | OFDM    | 80              | 15.50                       | 14.51                 | -0.16            | 0 mm    | SGHz ANTupper   | V1      | DLX2V00HPQKX         | 29.3             | right  | 95.7           | 0.758           | 1.256                  | 1.045                       | 0.995                    | 0.217            | 0.285                     |      |
| 5600                                     | 138 | 802.11ac | OFDM    | 80              | 15.50                       | 14.57                 | -0.00            | 0 mm    | SGHz ANTupper   | V2      | DLX2V01HPQKX         | 29.3             | right  | 95.7           | 0.742           | 1.239                  | 1.045                       | 0.961                    | 0.206            | 0.267                     |      |
| 5610                                     | 122 | 802.11ac | OFDM    | 80              | 15.50                       | 14.64                 | -0.20            | 0 mm    | SGHz ANTupper   | V2      | DLX2V01HPQKX         | 29.3             | left   | 95.7           | 0.009           | 1.219                  | 1.045                       | 0.011                    | 0.006            | 0.008                     |      |
| 5610                                     | 122 | 802.11ac | OFDM    | 80              | 10.50                       | 9.69                  | -0.20            | 0 mm    | SGHz ANTupper   | V2      | DLX2V01HPQKX         | 29.3             | back   | 95.7           | 0.027           | 1.205                  | 1.045                       | 0.034                    | 0.014            | 0.018                     |      |
| 5610                                     | 122 | 802.11ac | OFDM    | 80              | 10.50                       | 9.69                  | -0.03            | 0 mm    | SGHz ANTupper   | V2      | DLX2V01HPQKX         | 29.3             | right  | 95.7           | 0.206           | 1.205                  | 1.045                       | 0.259                    | 0.055            | 0.069                     |      |
| 5775                                     | 156 | 802.11ac | OFDM    | 80              | 15.75                       | 14.93                 | -0.08            | 0 mm    | SGHz ANTupper   | V2      | DLX2N00LP57G         | 29.3             | back   | 95.7           | 0.062           | 1.208                  | 1.045                       | 0.104                    | 0.036            | 0.044                     |      |
| 5775                                     | 156 | 802.11ac | OFDM    | 80              | 15.75                       | 14.93                 | -0.20            | 0 mm    | SGHz ANTupper   | V2      | DLX2N00LP57G         | 29.3             | top    | 95.7           | 0.007           | 1.208                  | 1.045                       | 0.009                    | 0.005            | 0.006                     |      |
| 5775                                     | 156 | 802.11ac | OFDM    | 80              | 15.75                       | 14.93                 | -0.18            | 0 mm    | SGHz ANTupper   | V2      | DLX2N00LP57G         | 29.3             | bottom | 95.7           | 0.008           | 1.208                  | 1.045                       | 0.010                    | 0.006            | 0.008                     |      |
| 5775                                     | 156 | 802.11ac | OFDM    | 80              | 15.75                       | 14.93                 | -0.21            | 0 mm    | SGHz ANTupper   | V2      | DLX2N00LP57G         | 29.3             | right  | 95.7           | 0.871           | 1.208                  | 1.045                       | 1.100                    | 0.295            | 0.322                     |      |
| 5775                                     | 156 | 802.11ac | OFDM    | 80              | 15.75                       | 14.79                 | -0.21            | 0 mm    | SGHz ANTupper   | V1      | DLX2N04P57G          | 29.3             | right  | 95.7           | 0.709           | 1.247                  | 1.045                       | 0.924                    | 0.214            | 0.279                     |      |
| 5775                                     | 156 | 802.11ac | OFDM    | 80              | 15.75                       | 14.93                 | -0.15            | 0 mm    | SGHz ANTupper   | V2      | DLX2N00LP57G         | 29.3             | left   | 95.7           | 0.034           | 1.208                  | 1.045                       | 0.028                    | 0.008            | 0.010                     |      |
| 5775                                     | 156 | 802.11ac | OFDM    | 80              | 10.75                       | 9.87                  | -0.13            | 0 mm    | SGHz ANTupper   | V2      | DLX2N00LP57G         | 29.3             | back   | 95.7           | 0.028           | 1.225                  | 1.045                       | 0.036                    | 0.015            | 0.019                     |      |
| 5775                                     | 156 | 802.11ac | OFDM    | 80              | 10.75                       | 9.87                  | -0.03            | 0 mm    | SGHz ANTupper   | V2      | DLX2N00LP57G         | 29.3             | right  | 95.7           | 0.236           | 1.225                  | 1.045                       | 0.302                    | 0.073            | 0.093                     |      |
| 5610                                     | 122 | 802.11ac | OFDM    | 80              | 15.50                       | 14.64                 | -0.05            | 0 mm    | SGHz ANTupper   | V2      | DLX2V01HPQKX         | 29.3             | right  | 95.7           | 0.809           | 1.219                  | 1.045                       | 1.031                    | 0.231            | 0.294                     |      |
| 5775                                     | 156 | 802.11ac | OFDM    | 80              | 15.75                       | 14.93                 | -0.20            | 0 mm    | SGHz ANTupper   | V2      | DLX2N00LP57G         | 29.3             | right  | 95.7           | 0.842           | 1.208                  | 1.045                       | 1.063                    | 0.247            | 0.312                     |      |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |          |         |                 |                             |                       |                  |         |                 |         | Body                 |                  |        |                |                 |                        |                             |                          |                  |                           |      |
| Spatial Peak                             |     |          |         |                 |                             |                       |                  |         |                 |         | 1.6 W/kg (mW/g)      |                  |        |                |                 |                        |                             |                          |                  |                           |      |
| Uncontrolled Exposure/General Population |     |          |         |                 |                             |                       |                  |         |                 |         | averaged over 1 gram |                  |        |                |                 |                        |                             |                          |                  |                           |      |

Note: Blue entry represents variability measurement.

Table 10-61  
Bluetooth Ant 2a Body SAR

| MEASUREMENT RESULTS                      |     |           |         |                             |                       |                  |         |                 |         |                      |                  |        |                |                 |                              |                             |                          |                  |                           |        |
|------------------------------------------|-----|-----------|---------|-----------------------------|-----------------------|------------------|---------|-----------------|---------|----------------------|------------------|--------|----------------|-----------------|------------------------------|-----------------------------|--------------------------|------------------|---------------------------|--------|
| FREQUENCY                                |     | Mode      | Service | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Drift (dB) | Spacing | Antenna Config. | Variant | Device Serial Number | Data Rate (Mbps) | Side   | Duty Cycle (%) | SAR (1g) (W/kg) | Scaling Factor (Cont. Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) (W/kg) | SAR (10g) (W/kg) | Reported SAR (10g) (W/kg) | Plot # |
| MHz                                      | Ch. |           |         |                             |                       |                  |         |                 |         |                      |                  |        |                |                 |                              |                             |                          |                  |                           |        |
| 2402                                     | 0   | Bluetooth | FHSS    | 14.50                       | 14.19                 | 0.10             | 0 mm    | Ant 2a          | V1      | DLX2T004P57G         | 1                | back   | 76.9           | 1.040           | 1.074                        | 1.008                       | 1.126                    | 0.461            | 0.499                     |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 14.50                       | 14.30                 | -0.20            | 0 mm    | Ant 2a          | V1      | DLX2T004P57G         | 1                | back   | 76.9           | 1.090           | 1.047                        | 1.008                       | 1.150                    | 0.472            | 0.498                     |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 14.50                       | 14.15                 | -0.20            | 0 mm    | Ant 2a          | V2      | DLX2N00LP57G         | 1                | back   | 76.9           | 0.866           | 1.084                        | 1.008                       | 0.946                    | 0.376            | 0.411                     |        |
| 2480                                     | 78  | Bluetooth | FHSS    | 14.50                       | 14.12                 | 0.04             | 0 mm    | Ant 2a          | V1      | DLX2T004P57G         | 1                | back   | 76.9           | 0.992           | 1.091                        | 1.008                       | 1.091                    | 0.422            | 0.464                     |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 14.50                       | 14.30                 | 0.05             | 0 mm    | Ant 2a          | V1      | DLX2T004P57G         | 1                | top    | 76.9           | 0.025           | 1.047                        | 1.008                       | 0.026                    | 0.011            | 0.012                     |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 14.50                       | 14.30                 | 0.01             | 0 mm    | Ant 2a          | V1      | DLX2T004P57G         | 1                | bottom | 76.9           | 0.523           | 1.047                        | 1.008                       | 0.552                    | 0.162            | 0.171                     |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 14.50                       | 14.30                 | 0.02             | 0 mm    | Ant 2a          | V1      | DLX2T004P57G         | 1                | right  | 76.9           | 0.723           | 1.047                        | 1.008                       | 0.763                    | 0.251            | 0.265                     |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 14.50                       | 14.30                 | 0.20             | 0 mm    | Ant 2a          | V1      | DLX2T004P57G         | 1                | left   | 76.9           | 0.003           | 1.047                        | 1.008                       | 0.003                    | 0.001            | 0.001                     |        |
| 2402                                     | 0   | Bluetooth | FHSS    | 11.50                       | 11.50                 | 0.00             | 0 mm    | Ant 2a          | V1      | DLX2T004P57G         | 1                | back   | 76.9           | 0.440           | 1.000                        | 1.008                       | 0.444                    | 0.190            | 0.192                     |        |
| 2402                                     | 0   | Bluetooth | FHSS    | 11.50                       | 11.50                 | -0.05            | 0 mm    | Ant 2a          | V1      | DLX2T004P57G         | 1                | bottom | 76.9           | 0.223           | 1.000                        | 1.008                       | 0.225                    | 0.068            | 0.069                     |        |
| 2402                                     | 0   | Bluetooth | FHSS    | 11.50                       | 11.50                 | -0.01            | 0 mm    | Ant 2a          | V1      | DLX2T004P57G         | 1                | right  | 76.9           | 0.302           | 1.000                        | 1.008                       | 0.304                    | 0.105            | 0.106                     |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 7.50                        | 7.41                  | 0.05             | 0 mm    | Ant 2a          | V1      | DLX2T004P57G         | 1                | back   | 76.9           | 0.223           | 1.021                        | 1.008                       | 0.230                    | 0.094            | 0.097                     |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 7.50                        | 7.41                  | 0.03             | 0 mm    | Ant 2a          | V1      | DLX2T004P57G         | 1                | bottom | 76.9           | 0.108           | 1.021                        | 1.008                       | 0.111                    | 0.033            | 0.034                     |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 7.50                        | 7.41                  | 0.09             | 0 mm    | Ant 2a          | V1      | DLX2T004P57G         | 1                | right  | 76.9           | 0.179           | 1.021                        | 1.008                       | 0.184                    | 0.062            | 0.064                     |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |           |         |                             |                       |                  |         |                 |         | Body                 |                  |        |                |                 |                              |                             |                          |                  |                           |        |
| Spatial Peak                             |     |           |         |                             |                       |                  |         |                 |         | 1.6 W/kg (mW/g)      |                  |        |                |                 |                              |                             |                          |                  |                           |        |
| Uncontrolled Exposure/General Population |     |           |         |                             |                       |                  |         |                 |         | averaged over 1 gram |                  |        |                |                 |                              |                             |                          |                  |                           |        |

Note: The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 77.5% per the manufacturer.

|                                         |                                                                                                           |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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**Table 10-62**  
**Bluetooth Ant 4a Body SAR**

| MEASUREMENT RESULTS                      |     |           |         |                             |                       |                 |         |                 |         |                      |                  |        |                |                 |                             |                             |                          |                  |                           |         |
|------------------------------------------|-----|-----------|---------|-----------------------------|-----------------------|-----------------|---------|-----------------|---------|----------------------|------------------|--------|----------------|-----------------|-----------------------------|-----------------------------|--------------------------|------------------|---------------------------|---------|
| FREQUENCY                                |     | Mode      | Service | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Delt (dB) | Spacing | Antenna Config. | Variant | Device Serial Number | Data Rate (Mbps) | Side   | Duty Cycle (%) | SAR (1g) (W/kg) | Scaling Factor (Cond Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) (W/kg) | SAR (10g) (W/kg) | Reported SAR (10g) (W/kg) | Pilot # |
| MHz                                      | Ch. |           |         |                             |                       |                 |         |                 |         |                      |                  |        |                |                 |                             |                             |                          |                  |                           |         |
| 2402                                     | 0   | Bluetooth | FHSS    | 15.00                       | 14.83                 | -0.01           | 0 mm    | Ant 4a          | V1      | DLX2R010P57F         | 1                | back   | 76.8           | 0.971           | 1.040                       | 1.009                       | 1.019                    | 0.443            | 0.465                     |         |
| 2441                                     | 39  | Bluetooth | FHSS    | 15.00                       | 14.92                 | 0.04            | 0 mm    | Ant 4a          | V1      | DLX2R010P57F         | 1                | back   | 76.8           | 1.130           | 1.019                       | 1.009                       | 1.182                    | 0.497            | 0.511                     | A20     |
| 2441                                     | 39  | Bluetooth | FHSS    | 15.00                       | 14.05                 | 0.07            | 0 mm    | Ant 4a          | V2      | DLX2R00TP57F         | 1                | back   | 76.9           | 0.853           | 1.245                       | 1.008                       | 1.070                    | 0.372            | 0.467                     |         |
| 2480                                     | 78  | Bluetooth | FHSS    | 15.00                       | 14.73                 | 0.14            | 0 mm    | Ant 4a          | V1      | DLX2R010P57F         | 1                | back   | 76.8           | 0.916           | 1.064                       | 1.009                       | 0.983                    | 0.406            | 0.436                     |         |
| 2441                                     | 39  | Bluetooth | FHSS    | 15.00                       | 14.92                 | 0.00            | 0 mm    | Ant 4a          | V1      | DLX2R010P57F         | 1                | top    | 76.8           | 0.633           | 1.019                       | 1.009                       | 0.651                    | 0.194            | 0.199                     |         |
| 2441                                     | 39  | Bluetooth | FHSS    | 15.00                       | 14.92                 | 0.13            | 0 mm    | Ant 4a          | V1      | DLX2R010P57F         | 1                | bottom | 76.8           | 0.032           | 1.019                       | 1.009                       | 0.033                    | 0.014            | 0.014                     |         |
| 2441                                     | 39  | Bluetooth | FHSS    | 15.00                       | 14.92                 | 0.19            | 0 mm    | Ant 4a          | V1      | DLX2R010P57F         | 1                | right  | 76.8           | 0.005           | 1.019                       | 1.009                       | 0.005                    | 0.002            | 0.002                     |         |
| 2402                                     | 0   | Bluetooth | FHSS    | 15.00                       | 14.83                 | 0.05            | 0 mm    | Ant 4a          | V1      | DLX2R010P57F         | 1                | left   | 76.8           | 0.631           | 1.040                       | 1.009                       | 0.662                    | 0.226            | 0.237                     |         |
| 2441                                     | 39  | Bluetooth | FHSS    | 15.00                       | 14.92                 | 0.02            | 0 mm    | Ant 4a          | V1      | DLX2R010P57F         | 1                | left   | 76.8           | 0.845           | 1.019                       | 1.009                       | 0.869                    | 0.295            | 0.303                     |         |
| 2480                                     | 78  | Bluetooth | FHSS    | 15.00                       | 14.73                 | 0.03            | 0 mm    | Ant 4a          | V1      | DLX2R010P57F         | 1                | left   | 76.8           | 0.736           | 1.064                       | 1.009                       | 0.790                    | 0.255            | 0.274                     |         |
| 2480                                     | 78  | Bluetooth | FHSS    | 8.00                        | 7.97                  | 0.02            | 0 mm    | Ant 4a          | V1      | DLX2R010P57F         | 1                | back   | 76.8           | 0.291           | 1.007                       | 1.009                       | 0.296                    | 0.122            | 0.124                     |         |
| 2480                                     | 78  | Bluetooth | FHSS    | 8.00                        | 7.97                  | -0.03           | 0 mm    | Ant 4a          | V1      | DLX2R010P57F         | 1                | top    | 76.8           | 0.135           | 1.007                       | 1.009                       | 0.137                    | 0.039            | 0.040                     |         |
| 2480                                     | 78  | Bluetooth | FHSS    | 8.00                        | 7.97                  | 0.01            | 0 mm    | Ant 4a          | V1      | DLX2R010P57F         | 1                | left   | 76.8           | 0.182           | 1.007                       | 1.009                       | 0.185                    | 0.064            | 0.065                     |         |
| 2441                                     | 39  | Bluetooth | FHSS    | 15.00                       | 14.92                 | 0.04            | 0 mm    | Ant 4a          | V1      | DLX2R010P57F         | 1                | back   | 76.8           | 1.110           | 1.019                       | 1.009                       | 1.131                    | 0.479            | 0.488                     |         |
| ANSI / IEEE C95.1.1992 - SAFETY LIMIT    |     |           |         |                             |                       |                 |         |                 |         | Body                 |                  |        |                |                 |                             |                             |                          |                  |                           |         |
| Spatial Peak                             |     |           |         |                             |                       |                 |         |                 |         | 1.6 W/kg (mW/g)      |                  |        |                |                 |                             |                             |                          |                  |                           |         |
| Uncontrolled Exposure/General Population |     |           |         |                             |                       |                 |         |                 |         | averaged over 1 gram |                  |        |                |                 |                             |                             |                          |                  |                           |         |

Note: The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 77.5% per the manufacturer.

Note: Blue entry represents variability measurement.

## 10.2 SAR Test Notes

### General Notes:

- The test data reported are the worst-case SAR values according to test procedures specified in FCC KDB Publication 616217 D04v01r02 and FCC KDB Publication 447498 D01v06.
- Batteries are fully charged at the beginning of the SAR measurements.
- Liquid tissue depth was at least 15.0 cm for all frequencies.
- The manufacturer has confirmed that the device(s) tested have the same physical, mechanical, and thermal characteristics and are within operational tolerances expected for production units.
- SAR results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB Publication 447498 D01v06.
- Per FCC KDB 865664 D01v01r04, variability SAR tests were performed when the measured SAR results for a frequency band were greater than or equal to 0.8 W/kg. Repeated SAR measurements are highlighted in the tables above for clarity. Please see Section 12 for variability analysis.
- FCC KDB Publication 616217 D04v01r02 Section 4.3, SAR tests are required for the back surface and edges of the tablet with the tablet touching the phantom. The SAR Exclusion Threshold in FCC KDB 447498 D01v06 was applied to determine SAR test exclusion for adjacent edge configurations.

### GSM Test Notes:

- Justification for reduced test configurations per KDB Publication 941225 D01v03r01 and October 2013 TCB Workshop Notes: The source-based frame-averaged output power was evaluated for all GPRS/EDGE slot configurations. The configuration with the highest target frame averaged output power was evaluated for SAR. When the maximum frame-averaged powers are equivalent across two or more slots (within 0.25 dB), the configuration with the most number of time slots was tested.
- Per FCC KDB Publication 447498 D01v06, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is  $\leq 0.8$  W/kg for 1g evaluations then testing at the other channels is not required for such test configuration(s). When the maximum output power variation across the required test channels is  $> \frac{1}{2}$  dB, instead of the middle channel, the highest output power channel was used.

|                                         |                                                                                                   |                              |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|---------------------------------|
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UMTS Notes:

1. UMTS mode was tested under RMC 12.2 kbps with HSPA Inactive per KDB Publication 941225 D01v03r01. AMR and HSPA SAR was not required per the 3G Test Reduction Procedure in KDB Publication 941225 D01v03r01.
2. Per FCC KDB Publication 447498 D01v06, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is  $\leq 0.8$  W/kg for 1g evaluations then testing at the other channels is not required for such test configuration(s). When the maximum output power variation across the required test channels is  $> \frac{1}{2}$  dB, instead of the middle channel, the highest output power channel was used.

LTE Notes:

1. LTE test configurations are determined according to SAR Evaluation Considerations for LTE Devices in FCC KDB Publication 941225 D05v02r04. The general test procedures used for testing can be found in Section 7.5.4.
2. MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36.101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.
3. A-MPR was disabled for all SAR tests by setting NS=01 and MCC=001 on the base station simulator. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI).
4. Per FCC KDB Publication 447498 D01v06, when the reported LTE Band 41 SAR and LTE Band 48 SAR measured at the highest output power channel in a given a test configuration was  $> 0.6$  W/kg for 1g evaluations, testing at the other channels was required for such test configurations.
5. TDD LTE was tested per the guidance provided in FCC KDB Publication 941225 D05v02r04. Testing was performed using UL-DL configuration 0 with 6 UL subframes and 2 S subframes using extended cyclic prefix only and special subframe configuration 6. SAR tests were performed at maximum output power and worst-case transmission duty factor in extended cyclic prefix. Per 3GPP 36.211 Section 4, the duty factor for special subframe configuration 6 using extended cyclic prefix is 0.633.
6. Per KDB Publication 941225 D05Av01r02, SAR for downlink only LTE CA operations was not needed since the maximum average output power in LTE CA mode was not  $> 0.25$  dB higher than the maximum output power when downlink carrier aggregation was inactive.
7. This device supports Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operations is 43.3 % using UL-DL configuration 1. Per FCC Guidance, all SAR tests were performed using Power Class 3. SAR with power class 2 at the available duty factor was additionally performed for the power class 3 configuration with the highest SAR configuration for each exposure conditions. Please see Section 13 for linearity results.
8. For intra-band LTE Band 7, LTE Band 5, and LTE Band 41, per FCC guidance, SAR was first measured with only a single carrier active in the uplink (carrier aggregation not active). For each exposure condition, the uplink CA scenario with two component carriers was additionally tested for the configuration with the highest SAR when carrier aggregation was not active. The SCC was configured with the closest available contiguous channel. The two component carriers were configured so the resource blocks are physically allocated side by side to achieve the maximum output power.
9. For inter-band uplink carrier aggregation, additional SAR Measurements were performed for some positions at the maximum allowed output power in inter-band ULCA mode. All single uplink 1g SAR values for each band were  $< 0.8$  W/kg and the algebraic summation of the 1g SAR inter-band ULCA values were  $< 1.45$ . Per Fall 2018 TCB Workshop notes, no additional measurements were required.
10. This device supports LTE Band 41 ULCA active with Power Class 2. Highest SAR test configuration for each exposure condition in Power Class 3 with ULCA active was repeated with Power Class 2 with ULCA active.

|                                         |                                                                                                           |                            |                                 |
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#### WLAN Notes:

1. Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02 for 2.4 GHz WIFI single transmission chain operations, the highest measured maximum output power channel for DSSS was selected for SAR measurement. SAR for OFDM modes (2.4 GHz 802.11g/n/ax) was not required due to the maximum allowed powers and the highest reported DSSS SAR. See Section 7.6.4 for more information.
2. Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02 for 5 GHz WIFI single transmission chain operations, the initial test configuration was selected according to the transmission mode with the highest maximum allowed powers. Other transmission modes were not investigated since the highest reported SAR for initial test configuration adjusted by the ratio of maximum output powers is less than 1.2 W/kg for 1g evaluations. See Section 7.6.5 for more information.
3. Per KDB Publication 248227 D01v02r02, SAR for MIMO was evaluated by following the simultaneous SAR provisions from KDB Publication 447498 D01v06 by either evaluating the sum of the 1g SAR values of each antenna transmitting independently or making a SAR measurement with both antennas transmitting simultaneously. Please see Section 11 for complete analysis.
4. When the maximum reported 1g averaged SAR is  $\leq 0.8$  W/kg, SAR testing on additional channels was not required. Otherwise, SAR for the next highest output power channel was required until the reported SAR result was  $\leq 1.20$  W/kg for 1g evaluations or all test channels were measured.
5. The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools. The reported SAR was scaled to the 100% transmission duty factor to determine compliance. The maximum achievable duty cycles for all modes were determined based on measurements performed on a spectrum analyzer in zero-span mode with RBW = 8 MHz, VBW = 50 MHz, and detector = peak per guidance of Section 6.0 b) of ANSI C63. 10-2013 and KDB 558074 D01 v04. 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.

#### Bluetooth Notes:

1. Bluetooth SAR was evaluated with a test mode with hopping disabled with DH5 operation. The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is limited to 77.5% per the manufacturer. See Section 8.6 for the time domain plot and calculation for the duty factor of the device.

|                                         |                                                                                                                  |                            |                                 |
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# 11 FCC MULTI-TX AND ANTENNA SAR CONSIDERATIONS

## 11.1 Introduction

The following procedures adopted from FCC KDB Publication 447498 D01v06 are applicable to devices with built-in unlicensed transmitters such as 802.11 and Bluetooth devices which may simultaneously transmit with the licensed transmitter.

## 11.2 Simultaneous Transmission Procedures

This device contains transmitters that may operate simultaneously. Therefore, simultaneous transmission analysis is required. Per FCC KDB Publication 447498 D01v06 4.3.2 and IEEE 1528-2013 Section 6.3.4.1.2, simultaneous transmission SAR test exclusion may be applied when the sum of the 1g SAR for all the simultaneous transmitting antennas in a specific physical test configuration is  $\leq 1.6$  W/kg. The different test positions in an exposure condition may be considered collectively to determine SAR test exclusion according to the sum of 1g SAR.

Note:

SAR Summations for some scenarios when the output power levels are reduced, SAR values at the maximum output power level were used as the most conservative evaluation for simultaneous transmission analysis.

For each position, the highest SAR value across all modes for the applicable cellular band antenna was considered for summation to determine simultaneous SAR test exclusion.

\*The SAR distributions for at least one of the antennas are spatially separated from the other antennas per FCC KDB Publication 248227 Section 6.1 procedures. Therefore, the simultaneous transmission were treated independently for this configuration. See section 11.4 for more information about the Spatial Separation Analysis.

## 11.3 Body SAR Simultaneous Transmission Analysis

**Table 11-1**  
**Cellular Band Ant 1 Simultaneous Transmission Scenario with 2.4 GHz WLAN**

| Simult Tx | Configuration | Cellular Band Antenna 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2a SAR (W/kg) | 2.4 GHz WLAN Ant 4a SAR (W/kg) | $\Sigma$ SAR (W/kg) |        |        |
|-----------|---------------|------------------------------------|--------------------------------|--------------------------------|---------------------|--------|--------|
|           |               | 1                                  | 2                              | 3                              | 1+2                 | 1+3    | 1+2+3  |
| Body SAR  | Back          | 1.029                              | 1.119                          | 1.102                          | 1.119*              | 1.102* | 1.119* |
|           | Top           | 0.050                              | 0.021                          | 0.484                          | 0.071               | 0.534  | 0.555  |
|           | Bottom        | 0.584                              | 0.520                          | 0.023                          | 1.104               | 0.607  | 1.127  |
|           | Right         | 0.008                              | 0.625                          | 0.004                          | 0.633               | 0.012  | 0.637  |
|           | Left          | 1.188                              | 0.002                          | 0.613                          | 1.190               | 1.188* | 1.190* |

**Table 11-2**  
**Cellular Band Ant 2A Simultaneous Transmission Scenario with 2.4 GHz WLAN**

| Simult Tx | Configuration | Cellular Band Antenna 2a SAR (W/kg) | 2.4 GHz WLAN Ant 2a Reduced at 7dBm SAR (W/kg) | 2.4 GHz WLAN Ant 4a SAR (W/kg) | $\Sigma$ SAR (W/kg) |        |        |
|-----------|---------------|-------------------------------------|------------------------------------------------|--------------------------------|---------------------|--------|--------|
|           |               | 1                                   | 2                                              | 3                              | 1+2                 | 1+3    | 1+2+3  |
| Body SAR  | Back          | 1.188                               | 0.211                                          | 1.102                          | 1.399               | 1.188* | 1.399* |
|           | Top           | 0.025                               | 0.021                                          | 0.484                          | 0.046               | 0.509  | 0.530  |
|           | Bottom        | 0.559                               | 0.109                                          | 0.023                          | 0.668               | 0.582  | 0.691  |
|           | Right         | 0.981                               | 0.122                                          | 0.004                          | 1.103               | 0.985  | 1.107  |
|           | Left          | 0.005                               | 0.002                                          | 0.613                          | 0.007               | 0.618  | 0.620  |

|                                         |                                                                                                                  |                            |                                 |
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**Table 11-3**  
**Cellular Band Ant 2B Simultaneous Transmission Scenario with 2.4 GHz WLAN**

| Simult Tx | Configuration | Cellular Band Antenna 2b SAR (W/kg) | 2.4 GHz WLAN Ant 2a Reduced at 7dBm SAR (W/kg) | 2.4 GHz WLAN Ant 4a SAR (W/kg) | $\Sigma$ SAR (W/kg) |        |        |
|-----------|---------------|-------------------------------------|------------------------------------------------|--------------------------------|---------------------|--------|--------|
|           |               | 1                                   | 2                                              | 3                              | 1+2                 | 1+3    | 1+2+3  |
| Body SAR  | Back          | 1.187                               | 0.211                                          | 1.102                          | <b>1.398</b>        | 1.187* | 1.398* |
|           | Top           | 0.005                               | 0.021                                          | 0.484                          | 0.026               | 0.489  | 0.510  |
|           | Bottom        | 0.767                               | 0.109                                          | 0.023                          | 0.876               | 0.790  | 0.899  |
|           | Right         | 0.076                               | 0.122                                          | 0.004                          | 0.198               | 0.080  | 0.202  |
|           | Left          | 0.028                               | 0.002                                          | 0.613                          | 0.030               | 0.641  | 0.643  |

**Table 11-4**  
**Cellular Band Ant 3 Simultaneous Transmission Scenario with 2.4 GHz WLAN**

| Simult Tx | Configuration | Cellular Band Antenna 3 SAR (W/kg) | 2.4 GHz WLAN Ant 2a SAR (W/kg) | 2.4 GHz WLAN Ant 4a SAR (W/kg) | $\Sigma$ SAR (W/kg) |        |              |
|-----------|---------------|------------------------------------|--------------------------------|--------------------------------|---------------------|--------|--------------|
|           |               | 1                                  | 2                              | 3                              | 1+2                 | 1+3    | 1+2+3        |
| Body SAR  | Back          | 1.121                              | 1.119                          | 1.102                          | 1.121*              | 1.121* | 1.121*       |
|           | Top           | 0.843                              | 0.021                          | 0.484                          | 0.864               | 1.327  | <b>1.348</b> |
|           | Bottom        | 0.042                              | 0.520                          | 0.023                          | 0.562               | 0.065  | 0.585        |
|           | Right         | 1.184                              | 0.625                          | 0.004                          | 1.184*              | 1.188  | 1.188*       |
|           | Left          | 0.010                              | 0.002                          | 0.613                          | 0.012               | 0.623  | 0.625        |

**Table 11-5**  
**Cellular Band Ant 4A Simultaneous Transmission Scenario with 2.4 GHz WLAN**

| Simult Tx | Configuration | Cellular Band Antenna 4a SAR (W/kg) | 2.4 GHz WLAN Ant 2a SAR (W/kg) | 2.4 GHz WLAN Ant 4a Reduced at 6.75dBm SAR (W/kg) | $\Sigma$ SAR (W/kg) |              |        |
|-----------|---------------|-------------------------------------|--------------------------------|---------------------------------------------------|---------------------|--------------|--------|
|           |               | 1                                   | 2                              | 3                                                 | 1+2                 | 1+3          | 1+2+3  |
| Body SAR  | Back          | 1.188                               | 1.119                          | 0.141                                             | 1.188*              | <b>1.329</b> | 1.329* |
|           | Top           | 0.586                               | 0.021                          | 0.100                                             | 0.607               | 0.686        | 0.707  |
|           | Bottom        | 0.028                               | 0.520                          | 0.023                                             | 0.548               | 0.051        | 0.571  |
|           | Right         | 0.003                               | 0.625                          | 0.004                                             | 0.628               | 0.007        | 0.632  |
|           | Left          | 0.945                               | 0.002                          | 0.126                                             | 0.947               | 1.071        | 1.073  |

**Table 11-6**  
**Cellular Band Ant 4B Simultaneous Transmission Scenario with 2.4 GHz WLAN**

| Simult Tx | Configuration | Cellular Band Antenna 4b SAR (W/kg) | 2.4 GHz WLAN Ant 2a SAR (W/kg) | 2.4 GHz WLAN Ant 4a Reduced at 6.75dBm SAR (W/kg) | $\Sigma$ SAR (W/kg) |              |        |
|-----------|---------------|-------------------------------------|--------------------------------|---------------------------------------------------|---------------------|--------------|--------|
|           |               | 1                                   | 2                              | 3                                                 | 1+2                 | 1+3          | 1+2+3  |
| Body SAR  | Back          | 1.183                               | 1.119                          | 0.141                                             | 1.183*              | <b>1.324</b> | 1.324* |
|           | Top           | 0.704                               | 0.021                          | 0.100                                             | 0.725               | 0.804        | 0.825  |
|           | Bottom        | 0.005                               | 0.520                          | 0.023                                             | 0.525               | 0.028        | 0.548  |
|           | Right         | 0.025                               | 0.625                          | 0.004                                             | 0.650               | 0.029        | 0.654  |
|           | Left          | 0.057                               | 0.002                          | 0.126                                             | 0.059               | 0.183        | 0.185  |

**Table 11-7**  
**Cellular Band Ant 1 Simultaneous Transmission Scenario with 5 GHz WLAN**

| Simult Tx | Configuration | Cellular Band Antenna 1 SAR (W/kg) | WLAN 5GHz ANTlower SAR (W/kg) | WLAN 5GHz ANTupper SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |              |
|-----------|---------------|------------------------------------|-------------------------------|-------------------------------|---------------------|-------|--------------|
|           |               | 1                                  | 2                             | 3                             | 1+2                 | 1+3   | 1+2+3        |
| Body SAR  | Back          | 1.029                              | 0.129                         | 0.108                         | 1.158               | 1.137 | <b>1.266</b> |
|           | Top           | 0.050                              | 0.000                         | 0.009                         | 0.050               | 0.059 | 0.059        |
|           | Bottom        | 0.584                              | 0.006                         | 0.010                         | 0.590               | 0.594 | 0.600        |
|           | Right         | 0.008                              | 1.127                         | 1.100                         | 1.135               | 1.108 | 1.135*       |
|           | Left          | 1.188                              | 0.013                         | 0.018                         | 1.201               | 1.206 | 1.219        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 253 of 284                        |

**Table 11-8**  
**Cellular Band Ant 2A Simultaneous Transmission Scenario with 5 GHz WLAN**

| Simult Tx | Configuration | Cellular Band Antenna 2a SAR (W/kg) | WLAN 5GHz ANTlower Reduced SAR (W/kg) | WLAN 5GHz ANTupper SAR (W/kg) | $\Sigma$ SAR (W/kg) |        |        |
|-----------|---------------|-------------------------------------|---------------------------------------|-------------------------------|---------------------|--------|--------|
|           |               | 1                                   | 2                                     | 3                             | 1+2                 | 1+3    | 1+2+3  |
| Body SAR  | Back          | 1.188                               | 0.054                                 | 0.108                         | 1.242               | 1.296  | 1.350  |
|           | Top           | 0.025                               | 0.000                                 | 0.009                         | 0.025               | 0.034  | 0.034  |
|           | Bottom        | 0.559                               | 0.006                                 | 0.010                         | 0.565               | 0.569  | 0.575  |
|           | Right         | 0.981                               | 0.387                                 | 1.100                         | 1.368               | 1.100* | 1.368* |
|           | Left          | 0.005                               | 0.013                                 | 0.018                         | 0.018               | 0.023  | 0.036  |

**Table 11-9**  
**Cellular Band Ant 2B Simultaneous Transmission Scenario with 5 GHz WLAN**

| Simult Tx | Configuration | Cellular Band Antenna 2b SAR (W/kg) | WLAN 5GHz ANTlower SAR (W/kg) | WLAN 5GHz ANTupper SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |              |
|-----------|---------------|-------------------------------------|-------------------------------|-------------------------------|---------------------|-------|--------------|
|           |               | 1                                   | 2                             | 3                             | 1+2                 | 1+3   | 1+2+3        |
| Body SAR  | Back          | 1.187                               | 0.129                         | 0.108                         | 1.316               | 1.295 | <b>1.424</b> |
|           | Top           | 0.005                               | 0.000                         | 0.009                         | 0.005               | 0.014 | 0.014        |
|           | Bottom        | 0.767                               | 0.006                         | 0.010                         | 0.773               | 0.777 | 0.783        |
|           | Right         | 0.076                               | 1.127                         | 1.100                         | 1.203               | 1.176 | 1.203*       |
|           | Left          | 0.028                               | 0.013                         | 0.018                         | 0.041               | 0.046 | 0.059        |

**Table 11-10**  
**Cellular Band Ant 3 Simultaneous Transmission Scenario with 5 GHz WLAN**

| Simult Tx | Configuration | Cellular Band Antenna 3 SAR (W/kg) | WLAN 5GHz ANTlower SAR (W/kg) | WLAN 5GHz ANTupper Reduced SAR (W/kg) | $\Sigma$ SAR (W/kg) |              |        |
|-----------|---------------|------------------------------------|-------------------------------|---------------------------------------|---------------------|--------------|--------|
|           |               | 1                                  | 2                             | 3                                     | 1+2                 | 1+3          | 1+2+3  |
| Body SAR  | Back          | 1.121                              | 0.129                         | 0.036                                 | 1.250               | 1.157        | 1.286  |
|           | Top           | 0.843                              | 0.000                         | 0.009                                 | 0.843               | 0.852        | 0.852  |
|           | Bottom        | 0.042                              | 0.006                         | 0.010                                 | 0.048               | 0.052        | 0.058  |
|           | Right         | 1.184                              | 1.127                         | 0.302                                 | 1.184*              | <b>1.486</b> | 1.486* |
|           | Left          | 0.010                              | 0.013                         | 0.018                                 | 0.023               | 0.028        | 0.041  |

**Table 11-11**  
**Cellular Band Ant 4A Simultaneous Transmission Scenario with 5 GHz WLAN**

| Simult Tx | Configuration | Cellular Band Antenna 4a SAR (W/kg) | WLAN 5GHz ANTlower SAR (W/kg) | WLAN 5GHz ANTupper SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |              |
|-----------|---------------|-------------------------------------|-------------------------------|-------------------------------|---------------------|-------|--------------|
|           |               | 1                                   | 2                             | 3                             | 1+2                 | 1+3   | 1+2+3        |
| Body SAR  | Back          | 1.188                               | 0.129                         | 0.108                         | 1.317               | 1.296 | <b>1.425</b> |
|           | Top           | 0.586                               | 0.000                         | 0.009                         | 0.586               | 0.595 | 0.595        |
|           | Bottom        | 0.028                               | 0.006                         | 0.010                         | 0.034               | 0.038 | 0.044        |
|           | Right         | 0.003                               | 1.127                         | 1.100                         | 1.130               | 1.103 | 1.130*       |
|           | Left          | 0.945                               | 0.013                         | 0.018                         | 0.958               | 0.963 | 0.976        |

**Table 11-12**  
**Cellular Band Ant 4B Simultaneous Transmission Scenario with 5 GHz WLAN**

| Simult Tx | Configuration | Cellular Band Antenna 4b SAR (W/kg) | WLAN 5GHz ANTlower SAR (W/kg) | WLAN 5GHz ANTupper SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |              |
|-----------|---------------|-------------------------------------|-------------------------------|-------------------------------|---------------------|-------|--------------|
|           |               | 1                                   | 2                             | 3                             | 1+2                 | 1+3   | 1+2+3        |
| Body SAR  | Back          | 1.183                               | 0.129                         | 0.108                         | 1.312               | 1.291 | <b>1.420</b> |
|           | Top           | 0.704                               | 0.000                         | 0.009                         | 0.704               | 0.713 | 0.713        |
|           | Bottom        | 0.005                               | 0.006                         | 0.010                         | 0.011               | 0.015 | 0.021        |
|           | Right         | 0.025                               | 1.127                         | 1.100                         | 1.152               | 1.125 | 1.152*       |
|           | Left          | 0.057                               | 0.013                         | 0.018                         | 0.070               | 0.075 | 0.088        |

**Table 11-13**  
**Cellular Band Ant 1 Simultaneous Transmission Scenario with 2.4 GHz BT**

| Simult Tx | Configuration | Cellular Band Antenna 1 SAR (W/kg) | Bluetooth Ant 2a at 7.5 dBm SAR (W/kg) | Bluetooth Ant 4a SAR (W/kg) | $\Sigma$ SAR (W/kg) |        |        |
|-----------|---------------|------------------------------------|----------------------------------------|-----------------------------|---------------------|--------|--------|
|           |               | 1                                  | 2                                      | 3                           | 1+2                 | 1+3    | 1+2+3  |
| Body SAR  | Back          | 1.029                              | 0.230                                  | 1.162                       | 1.259               | 1.162* | 1.162* |
|           | Top           | 0.050                              | 0.026                                  | 0.651                       | 0.076               | 0.701  | 0.727  |
|           | Bottom        | 0.584                              | 0.111                                  | 0.033                       | 0.695               | 0.617  | 0.728  |
|           | Right         | 0.008                              | 0.184                                  | 0.005                       | 0.192               | 0.013  | 0.197  |
|           | Left          | 1.188                              | 0.003                                  | 0.869                       | 1.191               | 1.188* | 1.191* |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
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**Table 11-14**  
**Cellular Band Ant 2A Simultaneous Transmission Scenario with 2.4 GHz BT**

| Simult Tx | Configuration | Cellular Band Antenna 2a SAR (W/kg) | Bluetooth Ant 2a at 7.5 dBm SAR (W/kg) | Bluetooth Ant 4a SAR (W/kg) | $\Sigma$ SAR (W/kg) |        |        |
|-----------|---------------|-------------------------------------|----------------------------------------|-----------------------------|---------------------|--------|--------|
|           |               | 1                                   | 2                                      | 3                           | 1+2                 | 1+3    | 1+2+3  |
| Body SAR  | Back          | 1.188                               | 0.230                                  | 1.162                       | <b>1.418</b>        | 1.188* | 1.418* |
|           | Top           | 0.025                               | 0.026                                  | 0.651                       | 0.051               | 0.676  | 0.702  |
|           | Bottom        | 0.559                               | 0.111                                  | 0.033                       | 0.670               | 0.592  | 0.703  |
|           | Right         | 0.981                               | 0.184                                  | 0.005                       | 1.165               | 0.986  | 1.170  |
|           | Left          | 0.005                               | 0.003                                  | 0.869                       | 0.008               | 0.874  | 0.877  |

**Table 11-15**  
**Cellular Band Ant 2B Simultaneous Transmission Scenario with 2.4 GHz BT**

| Simult Tx | Configuration | Cellular Band Antenna 2b SAR (W/kg) | Bluetooth Ant 2a at 7.5 dBm SAR (W/kg) | Bluetooth Ant 4a SAR (W/kg) | $\Sigma$ SAR (W/kg) |        |        |
|-----------|---------------|-------------------------------------|----------------------------------------|-----------------------------|---------------------|--------|--------|
|           |               | 1                                   | 2                                      | 3                           | 1+2                 | 1+3    | 1+2+3  |
| Body SAR  | Back          | 1.187                               | 0.230                                  | 1.162                       | <b>1.417</b>        | 1.187* | 1.417* |
|           | Top           | 0.005                               | 0.026                                  | 0.651                       | 0.031               | 0.656  | 0.682  |
|           | Bottom        | 0.767                               | 0.111                                  | 0.033                       | 0.878               | 0.800  | 0.911  |
|           | Right         | 0.076                               | 0.184                                  | 0.005                       | 0.260               | 0.081  | 0.265  |
|           | Left          | 0.028                               | 0.003                                  | 0.869                       | 0.031               | 0.897  | 0.900  |

**Table 11-16**  
**Cellular Band Ant 3 Simultaneous Transmission Scenario with 2.4 GHz BT**

| Simult Tx | Configuration | Cellular Band Antenna 3 SAR (W/kg) | Bluetooth Ant 2a SAR (W/kg) | Bluetooth Ant 4a at 8 dBm SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |        |
|-----------|---------------|------------------------------------|-----------------------------|--------------------------------------|---------------------|-------|--------|
|           |               | 1                                  | 2                           | 3                                    | 1+2                 | 1+3   | 1+2+3  |
| Body SAR  | Back          | 1.121                              | 1.150                       | 0.296                                | 1.150*              | 1.417 | 1.150* |
|           | Top           | 0.843                              | 0.026                       | 0.137                                | 0.869               | 0.980 | 1.006  |
|           | Bottom        | 0.042                              | 0.552                       | 0.033                                | 0.594               | 0.075 | 0.627  |
|           | Right         | 1.184                              | 0.763                       | 0.005                                | 1.184*              | 1.189 | 1.189* |
|           | Left          | 0.010                              | 0.003                       | 0.185                                | 0.013               | 0.195 | 0.198  |

**Table 11-17**  
**Cellular Band Ant 4A Simultaneous Transmission Scenario with 2.4 GHz BT**

| Simult Tx | Configuration | Cellular Band Antenna 4a SAR (W/kg) | Bluetooth Ant 2a SAR (W/kg) | Bluetooth Ant 4a at 8 dBm SAR (W/kg) | $\Sigma$ SAR (W/kg) |              |        |
|-----------|---------------|-------------------------------------|-----------------------------|--------------------------------------|---------------------|--------------|--------|
|           |               | 1                                   | 2                           | 3                                    | 1+2                 | 1+3          | 1+2+3  |
| Body SAR  | Back          | 1.188                               | 1.150                       | 0.296                                | 1.188*              | <b>1.484</b> | 1.484* |
|           | Top           | 0.586                               | 0.026                       | 0.137                                | 0.612               | 0.723        | 0.749  |
|           | Bottom        | 0.028                               | 0.552                       | 0.033                                | 0.580               | 0.061        | 0.613  |
|           | Right         | 0.003                               | 0.763                       | 0.005                                | 0.766               | 0.008        | 0.771  |
|           | Left          | 0.945                               | 0.003                       | 0.185                                | 0.948               | 1.130        | 1.133  |

**Table 11-18**  
**Cellular Band Ant 4B Simultaneous Transmission Scenario with 2.4 GHz BT**

| Simult Tx | Configuration | Cellular Band Antenna 4b SAR (W/kg) | Bluetooth Ant 2a SAR (W/kg) | Bluetooth Ant 4a at 8 dBm SAR (W/kg) | $\Sigma$ SAR (W/kg) |              |        |
|-----------|---------------|-------------------------------------|-----------------------------|--------------------------------------|---------------------|--------------|--------|
|           |               | 1                                   | 2                           | 3                                    | 1+2                 | 1+3          | 1+2+3  |
| Body SAR  | Back          | 1.183                               | 1.150                       | 0.296                                | 1.183*              | <b>1.479</b> | 1.479* |
|           | Top           | 0.704                               | 0.026                       | 0.137                                | 0.730               | 0.841        | 0.867  |
|           | Bottom        | 0.005                               | 0.552                       | 0.033                                | 0.557               | 0.038        | 0.590  |
|           | Right         | 0.025                               | 0.763                       | 0.005                                | 0.788               | 0.030        | 0.793  |
|           | Left          | 0.057                               | 0.003                       | 0.185                                | 0.060               | 0.242        | 0.245  |

**Table 11-19**  
**Cellular Band Ant 1 Simultaneous Transmission Scenario with 2.4 GHz BT MIMO and 5 GHz WLAN MIMO**

| Simult Tx | Configuration | Cellular Band Antenna 1 SAR (W/kg) | Bluetooth Ant 2a at 7.5 dBm SAR (W/kg) | Bluetooth Ant 4a SAR (W/kg) | WLAN 5GHz ANTlower SAR (W/kg) | WLAN 5GHz ANTupper SAR (W/kg) | $\Sigma$ SAR (W/kg) |
|-----------|---------------|------------------------------------|----------------------------------------|-----------------------------|-------------------------------|-------------------------------|---------------------|
|           |               | 1                                  | 2                                      | 3                           | 4                             | 5                             | 1+2+3+4+5           |
| Body SAR  | Back          | 1.029                              | 0.230                                  | 1.162                       | 0.129                         | 0.108                         | 1.270*              |
|           | Top           | 0.050                              | 0.026                                  | 0.651                       | 0.000                         | 0.009                         | <b>0.736</b>        |
|           | Bottom        | 0.584                              | 0.111                                  | 0.033                       | 0.006                         | 0.010                         | <b>0.744</b>        |
|           | Right         | 0.008                              | 0.184                                  | 0.005                       | 1.127                         | 1.100                         | 1.324*              |
|           | Left          | 1.188                              | 0.003                                  | 0.869                       | 0.013                         | 0.018                         | 1.222*              |

|                                                |                                                                                                                  |                                   |  |  |                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------|--|--|----------------------------------------|
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Table 11-20

**Cellular Band Ant 2A Simultaneous Transmission Scenario with 2.4 GHz BT MIMO and 5 GHz WLAN MIMO**

| Simult Tx | Configuration | Cellular Band Antenna 2a SAR (W/kg) | Bluetooth Ant 2a at 7.5 dBm SAR (W/kg) | Bluetooth Ant 4a SAR (W/kg) | WLAN 5GHz ANTlower Reduced SAR (W/kg) | WLAN 5GHz ANTupper SAR (W/kg) | Σ SAR (W/kg) |
|-----------|---------------|-------------------------------------|----------------------------------------|-----------------------------|---------------------------------------|-------------------------------|--------------|
|           |               | 1                                   | 2                                      | 3                           | 4                                     | 5                             | 1+2+3+4+5    |
| Body SAR  | Back          | 1.188                               | 0.230                                  | 1.162                       | 0.054                                 | 0.108                         | 1.472*       |
|           | Top           | 0.025                               | 0.026                                  | 0.651                       | 0.000                                 | 0.009                         | 0.711        |
|           | Bottom        | 0.559                               | 0.111                                  | 0.033                       | 0.006                                 | 0.010                         | 0.719        |
|           | Right         | 0.981                               | 0.184                                  | 0.005                       | 0.387                                 | 1.100                         | 1.557*       |
|           | Left          | 0.005                               | 0.003                                  | 0.869                       | 0.013                                 | 0.018                         | <b>0.908</b> |

Table 11-21

**Cellular Band Ant 2B Simultaneous Transmission Scenario with 2.4 GHz BT MIMO and 5 GHz WLAN MIMO**

| Simult Tx | Configuration | Cellular Band Antenna 2b SAR (W/kg) | Bluetooth Ant 2a at 7.5 dBm SAR (W/kg) | Bluetooth Ant 4a SAR (W/kg) | WLAN 5GHz ANTlower SAR (W/kg) | WLAN 5GHz ANTupper SAR (W/kg) | Σ SAR (W/kg) |
|-----------|---------------|-------------------------------------|----------------------------------------|-----------------------------|-------------------------------|-------------------------------|--------------|
|           |               | 1                                   | 2                                      | 3                           | 4                             | 5                             | 1+2+3+4+5    |
| Body SAR  | Back          | 1.187                               | 0.230                                  | 1.162                       | 0.129                         | 0.108                         | 1.546*       |
|           | Top           | 0.005                               | 0.026                                  | 0.651                       | 0.000                         | 0.009                         | 0.691        |
|           | Bottom        | 0.767                               | 0.111                                  | 0.033                       | 0.006                         | 0.010                         | 0.927        |
|           | Right         | 0.076                               | 0.184                                  | 0.005                       | 1.127                         | 1.100                         | 1.392*       |
|           | Left          | 0.028                               | 0.003                                  | 0.869                       | 0.013                         | 0.018                         | <b>0.931</b> |

Table 11-22

**Cellular Band Ant 3 Simultaneous Transmission Scenario with 2.4 GHz BT MIMO and 5 GHz WLAN MIMO**

| Simult Tx | Configuration | Cellular Band Antenna 3 SAR (W/kg) | Bluetooth Ant 2a at 11.5 dBm SAR (W/kg) | Bluetooth Ant 4a at 8 dBm SAR (W/kg) | WLAN 5GHz ANTlower SAR (W/kg) | WLAN 5GHz ANTupper SAR (W/kg) | Σ SAR (W/kg) |
|-----------|---------------|------------------------------------|-----------------------------------------|--------------------------------------|-------------------------------|-------------------------------|--------------|
|           |               | 1                                  | 2                                       | 3                                    | 4                             | 5                             | 1+2+3+4+5    |
| Body SAR  | Back          | 1.121                              | 0.444                                   | 0.296                                | 0.129                         | 0.036                         | 1.286*       |
|           | Top           | 0.843                              | 0.026                                   | 0.137                                | 0.000                         | 0.009                         | <b>1.015</b> |
|           | Bottom        | 0.042                              | 0.225                                   | 0.033                                | 0.006                         | 0.010                         | 0.316        |
|           | Right         | 1.184                              | 0.304                                   | 0.005                                | 1.127                         | 0.302                         | 1.491*       |
|           | Left          | 0.010                              | 0.003                                   | 0.185                                | 0.013                         | 0.018                         | 0.229        |

Table 11-23

**Cellular Band Ant 4A Simultaneous Transmission Scenario with 2.4 GHz BT MIMO and 5 GHz WLAN MIMO**

| Simult Tx | Configuration | Cellular Band Antenna 4a SAR (W/kg) | Bluetooth Ant 2a at 11.5 dBm SAR (W/kg) | Bluetooth Ant 4a at 8 dBm SAR (W/kg) | WLAN 5GHz ANTlower SAR (W/kg) | WLAN 5GHz ANTupper SAR (W/kg) | Σ SAR (W/kg) |
|-----------|---------------|-------------------------------------|-----------------------------------------|--------------------------------------|-------------------------------|-------------------------------|--------------|
|           |               | 1                                   | 2                                       | 3                                    | 4                             | 5                             | 1+2+3+4+5    |
| Body SAR  | Back          | 1.188                               | 0.444                                   | 0.296                                | 0.129                         | 0.108                         | 1.592*       |
|           | Top           | 0.586                               | 0.026                                   | 0.137                                | 0.000                         | 0.009                         | 0.758        |
|           | Bottom        | 0.028                               | 0.225                                   | 0.033                                | 0.006                         | 0.010                         | 0.302        |
|           | Right         | 0.003                               | 0.304                                   | 0.005                                | 1.127                         | 1.100                         | 1.439*       |
|           | Left          | 0.945                               | 0.003                                   | 0.185                                | 0.013                         | 0.018                         | <b>1.164</b> |

Table 11-24

**Cellular Band Ant 4B Simultaneous Transmission Scenario with 2.4 GHz BT MIMO and 5 GHz WLAN MIMO**

| Simult Tx | Configuration | Cellular Band Antenna 4b SAR (W/kg) | Bluetooth Ant 2a at 11.5 dBm SAR (W/kg) | Bluetooth Ant 4a at 8 dBm SAR (W/kg) | WLAN 5GHz ANTlower SAR (W/kg) | WLAN 5GHz ANTupper SAR (W/kg) | Σ SAR (W/kg) |
|-----------|---------------|-------------------------------------|-----------------------------------------|--------------------------------------|-------------------------------|-------------------------------|--------------|
|           |               | 1                                   | 2                                       | 3                                    | 4                             | 5                             | 1+2+3+4+5    |
| Body SAR  | Back          | 1.183                               | 0.444                                   | 0.296                                | 0.129                         | 0.108                         | 1.587*       |
|           | Top           | 0.704                               | 0.026                                   | 0.137                                | 0.000                         | 0.009                         | <b>0.876</b> |
|           | Bottom        | 0.005                               | 0.225                                   | 0.033                                | 0.006                         | 0.010                         | 0.279        |
|           | Right         | 0.025                               | 0.304                                   | 0.005                                | 1.127                         | 1.100                         | 1.461*       |
|           | Left          | 0.057                               | 0.003                                   | 0.185                                | 0.013                         | 0.018                         | 0.276        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 256 of 284                 |

**Table 11-25**

**Inter-band ULCA Cellular Band Ant 1 and 2A Simultaneous Transmission Scenario with 2.4 GHz WLAN**

| Simult Tx | Configuration | Cellular Band Antenna 1<br>Inter-band ULCA Active<br>SAR (W/kg) | Cellular Band Antenna<br>2a Inter-band ULCA<br>Active SAR (W/kg) | 2.4 GHz WLAN Ant 2a<br>Reduced at 7dBm SAR<br>(W/kg) | 2.4 GHz WLAN Ant 4a<br>Reduced at 6.75dBm<br>SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |              |
|-----------|---------------|-----------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------|---------------------|-------|--------------|
|           |               | 1                                                               | 2                                                                | 3                                                    | 4                                                       | 1+2+3               | 1+2+4 | 1+2+3+4      |
| Body SAR  | Back          | 0.382                                                           | 0.650                                                            | 0.211                                                | 0.141                                                   | 1.243               | 1.173 | <b>1.384</b> |
|           | Top           | 0.050                                                           | 0.023                                                            | 0.021                                                | 0.100                                                   | 0.094               | 0.173 | 0.194        |
|           | Bottom        | 0.584                                                           | 0.559                                                            | 0.109                                                | 0.023                                                   | 1.252               | 1.166 | 1.275        |
|           | Right         | 0.007                                                           | 0.511                                                            | 0.122                                                | 0.004                                                   | 0.640               | 0.522 | 0.644        |
|           | Left          | 0.693                                                           | 0.005                                                            | 0.002                                                | 0.126                                                   | 0.700               | 0.824 | 0.826        |

**Table 11-26**

**Inter-band ULCA Cellular Band Ant 1 and 4A Simultaneous Transmission Scenario with 2.4 GHz WLAN**

| Simult Tx | Configuration | Cellular Band Antenna 1<br>Inter-band ULCA Active<br>SAR (W/kg) | Cellular Band Antenna<br>4a Inter-band ULCA<br>Active SAR (W/kg) | 2.4 GHz WLAN Ant 2a<br>Reduced at 7dBm SAR<br>(W/kg) | 2.4 GHz WLAN Ant 4a<br>Reduced at 6.75dBm<br>SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |              |
|-----------|---------------|-----------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------|---------------------|-------|--------------|
|           |               | 1                                                               | 2                                                                | 3                                                    | 4                                                       | 1+2+3               | 1+2+4 | 1+2+3+4      |
| Body SAR  | Back          | 0.382                                                           | 0.566                                                            | 0.211                                                | 0.141                                                   | 1.159               | 1.089 | 1.300        |
|           | Top           | 0.050                                                           | 0.516                                                            | 0.021                                                | 0.100                                                   | 0.587               | 0.666 | 0.687        |
|           | Bottom        | 0.584                                                           | 0.023                                                            | 0.109                                                | 0.023                                                   | 0.716               | 0.630 | 0.739        |
|           | Right         | 0.007                                                           | 0.003                                                            | 0.122                                                | 0.004                                                   | 0.132               | 0.014 | 0.136        |
|           | Left          | 0.693                                                           | 0.572                                                            | 0.002                                                | 0.126                                                   | 1.267               | 1.391 | <b>1.393</b> |

**Table 11-27**

**Inter-band ULCA Cellular Band Ant 1 and 4B Simultaneous Transmission Scenario with 2.4 GHz WLAN**

| Simult Tx | Configuration | Cellular Band Antenna 1<br>Inter-band ULCA Active<br>SAR (W/kg) | Cellular Band Antenna<br>4b Inter-band ULCA<br>Active SAR (W/kg) | 2.4 GHz WLAN Ant 2a<br>Reduced at 7dBm SAR<br>(W/kg) | 2.4 GHz WLAN Ant 4a<br>Reduced at 6.75dBm<br>SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |              |
|-----------|---------------|-----------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------|---------------------|-------|--------------|
|           |               | 1                                                               | 2                                                                | 3                                                    | 4                                                       | 1+2+3               | 1+2+4 | 1+2+3+4      |
| Body SAR  | Back          | 0.382                                                           | 0.597                                                            | 0.211                                                | 0.141                                                   | 1.190               | 1.120 | <b>1.331</b> |
|           | Top           | 0.050                                                           | 0.704                                                            | 0.021                                                | 0.100                                                   | 0.775               | 0.854 | 0.875        |
|           | Bottom        | 0.584                                                           | 0.005                                                            | 0.109                                                | 0.023                                                   | 0.698               | 0.612 | 0.721        |
|           | Right         | 0.007                                                           | 0.025                                                            | 0.122                                                | 0.004                                                   | 0.154               | 0.036 | 0.158        |
|           | Left          | 0.693                                                           | 0.057                                                            | 0.002                                                | 0.126                                                   | 0.752               | 0.876 | 0.878        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 257 of 284                 |

Table 11-28

## Inter-band ULCA Cellular Band Ant 2A and 3 Simultaneous Transmission Scenario with 2.4 GHz WLAN

| Simult Tx | Configuration | Cellular Band Antenna 2a Inter-band ULCA Active SAR (W/kg) | Cellular Band Antenna 3 Inter-band ULCA Active SAR (W/kg) | 2.4 GHz WLAN Ant 2a Reduced at 7dBm SAR (W/kg) | 2.4 GHz WLAN Ant 4a Reduced at 6.75dBm SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |              |
|-----------|---------------|------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------|---------------------------------------------------|---------------------|-------|--------------|
|           |               | 1                                                          | 2                                                         | 3                                              | 4                                                 | 1+2+3               | 1+2+4 | 1+2+3+4      |
| Body SAR  | Back          | 0.650                                                      | 0.509                                                     | 0.211                                          | 0.141                                             | 1.370               | 1.300 | <b>1.511</b> |
|           | Top           | 0.023                                                      | 0.730                                                     | 0.021                                          | 0.100                                             | 0.774               | 0.853 | 0.874        |
|           | Bottom        | 0.559                                                      | 0.042                                                     | 0.109                                          | 0.023                                             | 0.710               | 0.624 | 0.733        |
|           | Right         | 0.511                                                      | 0.647                                                     | 0.122                                          | 0.004                                             | 1.280               | 1.162 | 1.284        |
|           | Left          | 0.005                                                      | 0.008                                                     | 0.002                                          | 0.126                                             | 0.015               | 0.139 | 0.141        |

Table 11-29

## Inter-band ULCA Cellular Band Ant 2B and 3 Simultaneous Transmission Scenario with 2.4 GHz WLAN

| Simult Tx | Configuration | Cellular Band Antenna 2b Inter-band ULCA Active SAR (W/kg) | Cellular Band Antenna 3 Inter-band ULCA Active SAR (W/kg) | 2.4 GHz WLAN Ant 2a Reduced at 7dBm SAR (W/kg) | 2.4 GHz WLAN Ant 4a Reduced at 6.75dBm SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |              |
|-----------|---------------|------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------|---------------------------------------------------|---------------------|-------|--------------|
|           |               | 1                                                          | 2                                                         | 3                                              | 4                                                 | 1+2+3               | 1+2+4 | 1+2+3+4      |
| Body SAR  | Back          | 0.554                                                      | 0.509                                                     | 0.211                                          | 0.141                                             | 1.274               | 1.204 | <b>1.415</b> |
|           | Top           | 0.005                                                      | 0.730                                                     | 0.021                                          | 0.100                                             | 0.756               | 0.835 | 0.856        |
|           | Bottom        | 0.767                                                      | 0.042                                                     | 0.109                                          | 0.023                                             | 0.918               | 0.832 | 0.941        |
|           | Right         | 0.059                                                      | 0.647                                                     | 0.122                                          | 0.004                                             | 0.828               | 0.710 | 0.832        |
|           | Left          | 0.028                                                      | 0.008                                                     | 0.002                                          | 0.126                                             | 0.038               | 0.162 | 0.164        |

Table 11-30

## Inter-band ULCA Cellular Band Ant 3 and 4A Simultaneous Transmission Scenario with 2.4 GHz WLAN

| Simult Tx | Configuration | Cellular Band Antenna 3 Inter-band ULCA Active SAR (W/kg) | Cellular Band Antenna 4a Inter-band ULCA Active SAR (W/kg) | 2.4 GHz WLAN Ant 2a Reduced at 7dBm SAR (W/kg) | 2.4 GHz WLAN Ant 4a Reduced at 6.75dBm SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |              |
|-----------|---------------|-----------------------------------------------------------|------------------------------------------------------------|------------------------------------------------|---------------------------------------------------|---------------------|-------|--------------|
|           |               | 1                                                         | 2                                                          | 3                                              | 4                                                 | 1+2+3               | 1+2+4 | 1+2+3+4      |
| Body SAR  | Back          | 0.509                                                     | 0.566                                                      | 0.211                                          | 0.141                                             | 1.286               | 1.216 | <b>1.427</b> |
|           | Top           | 0.730                                                     | 0.516                                                      | 0.021                                          | 0.100                                             | 1.267               | 1.346 | 1.367        |
|           | Bottom        | 0.042                                                     | 0.023                                                      | 0.109                                          | 0.023                                             | 0.174               | 0.088 | 0.197        |
|           | Right         | 0.647                                                     | 0.003                                                      | 0.122                                          | 0.004                                             | 0.772               | 0.654 | 0.776        |
|           | Left          | 0.008                                                     | 0.572                                                      | 0.002                                          | 0.126                                             | 0.582               | 0.706 | 0.708        |

Table 11-31

## Inter-band ULCA Cellular Band Ant 1 and 2A Simultaneous Transmission Scenario with 5 GHz WLAN

| Simult Tx | Configuration | Cellular Band Antenna 1 Inter-band ULCA Active SAR (W/kg) | Cellular Band Antenna 2a Inter-band ULCA Active SAR (W/kg) | WLAN 5GHz ANTlower Reduced SAR (W/kg) | WLAN 5GHz ANTupper Reduced SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |              |
|-----------|---------------|-----------------------------------------------------------|------------------------------------------------------------|---------------------------------------|---------------------------------------|---------------------|-------|--------------|
|           |               | 1                                                         | 2                                                          | 3                                     | 4                                     | 1+2+3               | 1+2+4 | 1+2+3+4      |
| Body SAR  | Back          | 0.382                                                     | 0.650                                                      | 0.054                                 | 0.036                                 | 1.086               | 1.068 | 1.122        |
|           | Top           | 0.050                                                     | 0.023                                                      | 0.000                                 | 0.009                                 | 0.073               | 0.082 | 0.082        |
|           | Bottom        | 0.584                                                     | 0.559                                                      | 0.006                                 | 0.010                                 | 1.149               | 1.153 | 1.159        |
|           | Right         | 0.007                                                     | 0.511                                                      | 0.387                                 | 0.302                                 | 0.905               | 0.820 | <b>1.207</b> |
|           | Left          | 0.693                                                     | 0.005                                                      | 0.013                                 | 0.018                                 | 0.711               | 0.716 | 0.729        |

Table 11-32

## Inter-band ULCA Cellular Band Ant 1 and 4A Simultaneous Transmission Scenario with 5 GHz WLAN

| Simult Tx | Configuration | Cellular Band Antenna 1 Inter-band ULCA Active SAR (W/kg) | Cellular Band Antenna 4a Inter-band ULCA Active SAR (W/kg) | WLAN 5GHz ANTlower Reduced SAR (W/kg) | WLAN 5GHz ANTupper Reduced SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |              |
|-----------|---------------|-----------------------------------------------------------|------------------------------------------------------------|---------------------------------------|---------------------------------------|---------------------|-------|--------------|
|           |               | 1                                                         | 2                                                          | 3                                     | 4                                     | 1+2+3               | 1+2+4 | 1+2+3+4      |
| Body SAR  | Back          | 0.382                                                     | 0.566                                                      | 0.054                                 | 0.036                                 | 1.002               | 0.984 | 1.038        |
|           | Top           | 0.050                                                     | 0.516                                                      | 0.000                                 | 0.009                                 | 0.566               | 0.575 | 0.575        |
|           | Bottom        | 0.584                                                     | 0.023                                                      | 0.006                                 | 0.010                                 | 0.613               | 0.617 | 0.623        |
|           | Right         | 0.007                                                     | 0.003                                                      | 0.387                                 | 0.302                                 | 0.397               | 0.312 | 0.699        |
|           | Left          | 0.693                                                     | 0.572                                                      | 0.013                                 | 0.018                                 | 1.278               | 1.283 | <b>1.296</b> |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 258 of 284                 |

Table 11-33

## Inter-band ULCA Cellular Band Ant 1 and 4B Simultaneous Transmission Scenario with 5 GHz WLAN

| Simult Tx | Configuration | Cellular Band Antenna 1<br>Inter-band ULCA Active<br>SAR (W/kg) | Cellular Band Antenna<br>4b Inter-band ULCA<br>Active SAR (W/kg) | WLAN 5GHz ANTLower<br>Reduced SAR (W/kg) | WLAN 5GHz ANTUpper<br>Reduced SAR (W/kg) | Σ SAR (W/kg) |       |              |
|-----------|---------------|-----------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------|------------------------------------------|--------------|-------|--------------|
|           |               | 1                                                               | 2                                                                | 3                                        | 4                                        | 1+2+3        | 1+2+4 | 1+2+3+4      |
| Body SAR  | Back          | 0.382                                                           | 0.597                                                            | 0.054                                    | 0.036                                    | 1.033        | 1.015 | <b>1.069</b> |
|           | Top           | 0.050                                                           | 0.704                                                            | 0.000                                    | 0.009                                    | 0.754        | 0.763 | 0.763        |
|           | Bottom        | 0.584                                                           | 0.005                                                            | 0.006                                    | 0.010                                    | 0.595        | 0.599 | 0.605        |
|           | Right         | 0.007                                                           | 0.025                                                            | 0.387                                    | 0.302                                    | 0.419        | 0.334 | 0.721        |
|           | Left          | 0.693                                                           | 0.057                                                            | 0.013                                    | 0.018                                    | 0.763        | 0.768 | 0.781        |

Table 11-34

## Inter-band ULCA Cellular Band Ant 2A and 3 Simultaneous Transmission Scenario with 5 GHz WLAN

| Simult Tx | Configuration | Cellular Band Antenna<br>2a Inter-band ULCA<br>Active SAR (W/kg) | Cellular Band Antenna 3<br>Inter-band ULCA Active<br>SAR (W/kg) | WLAN 5GHz ANTLower<br>Reduced SAR (W/kg) | WLAN 5GHz ANTUpper<br>Reduced SAR (W/kg) | Σ SAR (W/kg) |       |         |
|-----------|---------------|------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------|------------------------------------------|--------------|-------|---------|
|           |               | 1                                                                | 2                                                               | 3                                        | 4                                        | 1+2+3        | 1+2+4 | 1+2+3+4 |
| Body SAR  | Back          | 0.650                                                            | 0.509                                                           | 0.054                                    | 0.036                                    | 1.213        | 1.195 | 1.249   |
|           | Top           | 0.023                                                            | 0.730                                                           | 0.000                                    | 0.009                                    | 0.753        | 0.762 | 0.762   |
|           | Bottom        | 0.559                                                            | 0.042                                                           | 0.006                                    | 0.010                                    | 0.607        | 0.611 | 0.617   |
|           | Right         | 0.511                                                            | 0.647                                                           | 0.387                                    | 0.302                                    | <b>1.545</b> | 1.460 | 0.949*  |
|           | Left          | 0.005                                                            | 0.008                                                           | 0.013                                    | 0.018                                    | 0.026        | 0.031 | 0.044   |

Table 11-35

## Inter-band ULCA Cellular Band Ant 2B and 3 Simultaneous Transmission Scenario with 5 GHz WLAN

| Simult Tx | Configuration | Cellular Band Antenna<br>2b Inter-band ULCA<br>Active SAR (W/kg) | Cellular Band Antenna 3<br>Inter-band ULCA Active<br>SAR (W/kg) | WLAN 5GHz ANTLower<br>Reduced SAR (W/kg) | WLAN 5GHz ANTUpper<br>Reduced SAR (W/kg) | Σ SAR (W/kg) |       |              |
|-----------|---------------|------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------|------------------------------------------|--------------|-------|--------------|
|           |               | 1                                                                | 2                                                               | 3                                        | 4                                        | 1+2+3        | 1+2+4 | 1+2+3+4      |
| Body SAR  | Back          | 0.554                                                            | 0.509                                                           | 0.054                                    | 0.036                                    | 1.117        | 1.099 | 1.153        |
|           | Top           | 0.005                                                            | 0.730                                                           | 0.000                                    | 0.009                                    | 0.735        | 0.744 | 0.744        |
|           | Bottom        | 0.767                                                            | 0.042                                                           | 0.006                                    | 0.010                                    | 0.815        | 0.819 | 0.825        |
|           | Right         | 0.059                                                            | 0.647                                                           | 0.387                                    | 0.302                                    | 1.093        | 1.008 | <b>1.395</b> |
|           | Left          | 0.028                                                            | 0.008                                                           | 0.013                                    | 0.018                                    | 0.049        | 0.054 | 0.067        |

Table 11-36

## Inter-band ULCA Cellular Band Ant 3 and 4A Simultaneous Transmission Scenario with 5 GHz WLAN

| Simult Tx | Configuration | Cellular Band Antenna 3<br>Inter-band ULCA Active<br>SAR (W/kg) | Cellular Band Antenna<br>4a Inter-band ULCA<br>Active SAR (W/kg) | WLAN 5GHz ANTLower<br>Reduced SAR (W/kg) | WLAN 5GHz ANTUpper<br>Reduced SAR (W/kg) | Σ SAR (W/kg) |       |              |
|-----------|---------------|-----------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------|------------------------------------------|--------------|-------|--------------|
|           |               | 1                                                               | 2                                                                | 3                                        | 4                                        | 1+2+3        | 1+2+4 | 1+2+3+4      |
| Body SAR  | Back          | 0.509                                                           | 0.566                                                            | 0.054                                    | 0.036                                    | 1.129        | 1.111 | 1.165        |
|           | Top           | 0.730                                                           | 0.516                                                            | 0.000                                    | 0.009                                    | 1.246        | 1.255 | 1.255        |
|           | Bottom        | 0.042                                                           | 0.023                                                            | 0.006                                    | 0.010                                    | 0.071        | 0.075 | 0.081        |
|           | Right         | 0.647                                                           | 0.003                                                            | 0.387                                    | 0.302                                    | 1.037        | 0.952 | <b>1.339</b> |
|           | Left          | 0.008                                                           | 0.572                                                            | 0.013                                    | 0.018                                    | 0.593        | 0.598 | 0.611        |

Table 11-37

## Inter-band ULCA Cellular Band Ant 1 and 2A Simultaneous Transmission Scenario with 2.4 GHz BT

| Simult Tx | Configuration | Cellular Band Antenna 1<br>Inter-band ULCA Active<br>SAR (W/kg) | Cellular Band Antenna<br>2a Inter-band ULCA<br>Active SAR (W/kg) | Bluetooth Ant 2a at 7.5<br>dBm SAR (W/kg) | Bluetooth Ant 4a at 8<br>dBm SAR (W/kg) | Σ SAR (W/kg) |       |              |
|-----------|---------------|-----------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|--------------|-------|--------------|
|           |               | 1                                                               | 2                                                                | 3                                         | 4                                       | 1+2+3        | 1+2+4 | 1+2+3+4      |
| Body SAR  | Back          | 0.382                                                           | 0.650                                                            | 0.230                                     | 0.296                                   | 1.262        | 1.328 | <b>1.558</b> |
|           | Top           | 0.050                                                           | 0.023                                                            | 0.026                                     | 0.137                                   | 0.099        | 0.210 | 0.236        |
|           | Bottom        | 0.584                                                           | 0.559                                                            | 0.111                                     | 0.033                                   | 1.254        | 1.176 | 1.287        |
|           | Right         | 0.007                                                           | 0.511                                                            | 0.184                                     | 0.005                                   | 0.702        | 0.523 | 0.707        |
|           | Left          | 0.693                                                           | 0.005                                                            | 0.003                                     | 0.185                                   | 0.701        | 0.883 | 0.886        |

FCC ID: BCGA2232



SAR EVALUATION REPORT

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Quality Manager

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Table 11-38

## Inter-band ULCA Cellular Band Ant 1 and 4A Simultaneous Transmission Scenario with 2.4 GHz BT

| Simult Tx | Configuration | Cellular Band Antenna 1<br>Inter-band ULCA Active<br>SAR (W/kg) | Cellular Band Antenna<br>4a Inter-band ULCA<br>Active SAR (W/kg) | Bluetooth Ant 2a at 7.5<br>dBm SAR (W/kg) | Bluetooth Ant 4a at 8<br>dBm SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |              |
|-----------|---------------|-----------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|---------------------|-------|--------------|
|           |               | 1                                                               | 2                                                                | 3                                         | 4                                       | 1+2+3               | 1+2+4 | 1+2+3+4      |
| Body SAR  | Back          | 0.382                                                           | 0.566                                                            | 0.230                                     | 0.296                                   | 1.178               | 1.244 | <b>1.474</b> |
|           | Top           | 0.050                                                           | 0.516                                                            | 0.026                                     | 0.137                                   | 0.592               | 0.703 | 0.729        |
|           | Bottom        | 0.584                                                           | 0.023                                                            | 0.111                                     | 0.033                                   | 0.718               | 0.640 | 0.751        |
|           | Right         | 0.007                                                           | 0.003                                                            | 0.184                                     | 0.005                                   | 0.194               | 0.015 | 0.199        |
|           | Left          | 0.693                                                           | 0.572                                                            | 0.003                                     | 0.185                                   | 1.268               | 1.450 | 1.453        |

Table 11-39

## Inter-band ULCA Cellular Band Ant 1 and 4B Simultaneous Transmission Scenario with 2.4 GHz BT

| Simult Tx | Configuration | Cellular Band Antenna 1<br>Inter-band ULCA Active<br>SAR (W/kg) | Cellular Band Antenna<br>4b Inter-band ULCA<br>Active SAR (W/kg) | Bluetooth Ant 2a at 7.5<br>dBm SAR (W/kg) | Bluetooth Ant 4a at 8<br>dBm SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |              |
|-----------|---------------|-----------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|---------------------|-------|--------------|
|           |               | 1                                                               | 2                                                                | 3                                         | 4                                       | 1+2+3               | 1+2+4 | 1+2+3+4      |
| Body SAR  | Back          | 0.382                                                           | 0.597                                                            | 0.230                                     | 0.296                                   | 1.209               | 1.275 | <b>1.505</b> |
|           | Top           | 0.050                                                           | 0.704                                                            | 0.026                                     | 0.137                                   | 0.780               | 0.891 | 0.917        |
|           | Bottom        | 0.584                                                           | 0.005                                                            | 0.111                                     | 0.033                                   | 0.700               | 0.622 | 0.733        |
|           | Right         | 0.007                                                           | 0.025                                                            | 0.184                                     | 0.005                                   | 0.216               | 0.037 | 0.221        |
|           | Left          | 0.693                                                           | 0.057                                                            | 0.003                                     | 0.185                                   | 0.753               | 0.935 | 0.938        |

Table 11-40

## Inter-band ULCA Cellular Band Ant 2A and 3 Simultaneous Transmission Scenario with 2.4 GHz BT

| Simult Tx | Configuration | Cellular Band Antenna<br>2a Inter-band ULCA<br>Active SAR (W/kg) | Cellular Band Antenna 3<br>Inter-band ULCA Active<br>SAR (W/kg) | Bluetooth Ant 2a at 7.5<br>dBm SAR (W/kg) | Bluetooth Ant 4a at 8<br>dBm SAR (W/kg) | $\Sigma$ SAR (W/kg) |              |         |
|-----------|---------------|------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------|-----------------------------------------|---------------------|--------------|---------|
|           |               | 1                                                                | 2                                                               | 3                                         | 4                                       | 1+2+3               | 1+2+4        | 1+2+3+4 |
| Body SAR  | Back          | 0.650                                                            | 0.509                                                           | 0.230                                     | 0.296                                   | 1.389               | <b>1.455</b> | 0.880*  |
|           | Top           | 0.023                                                            | 0.730                                                           | 0.026                                     | 0.137                                   | 0.779               | 0.890        | 0.916   |
|           | Bottom        | 0.559                                                            | 0.042                                                           | 0.111                                     | 0.033                                   | 0.712               | 0.634        | 0.745   |
|           | Right         | 0.511                                                            | 0.647                                                           | 0.184                                     | 0.005                                   | 1.342               | 1.163        | 1.347   |
|           | Left          | 0.005                                                            | 0.008                                                           | 0.003                                     | 0.185                                   | 0.016               | 0.198        | 0.201   |

Table 11-41

## Inter-band ULCA Cellular Band Ant 2B and 3 Simultaneous Transmission Scenario with 2.4 GHz BT

| Simult Tx | Configuration | Cellular Band Antenna<br>2b Inter-band ULCA<br>Active SAR (W/kg) | Cellular Band Antenna 3<br>Inter-band ULCA Active<br>SAR (W/kg) | Bluetooth Ant 2a at 7.5<br>dBm SAR (W/kg) | Bluetooth Ant 4a at 8<br>dBm SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |              |
|-----------|---------------|------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------|-----------------------------------------|---------------------|-------|--------------|
|           |               | 1                                                                | 2                                                               | 3                                         | 4                                       | 1+2+3               | 1+2+4 | 1+2+3+4      |
| Body SAR  | Back          | 0.554                                                            | 0.509                                                           | 0.230                                     | 0.296                                   | 1.293               | 1.359 | <b>1.589</b> |
|           | Top           | 0.005                                                            | 0.730                                                           | 0.026                                     | 0.137                                   | 0.761               | 0.872 | 0.898        |
|           | Bottom        | 0.767                                                            | 0.042                                                           | 0.111                                     | 0.033                                   | 0.920               | 0.842 | 0.953        |
|           | Right         | 0.059                                                            | 0.647                                                           | 0.184                                     | 0.005                                   | 0.890               | 0.711 | 0.895        |
|           | Left          | 0.028                                                            | 0.008                                                           | 0.003                                     | 0.185                                   | 0.039               | 0.221 | 0.224        |

Table 11-42

## Inter-band ULCA Cellular Band Ant 3 and 4A Simultaneous Transmission Scenario with 2.4 GHz BT

| Simult Tx | Configuration | Cellular Band Antenna 3<br>Inter-band ULCA Active<br>SAR (W/kg) | Cellular Band Antenna<br>4a Inter-band ULCA<br>Active SAR (W/kg) | Bluetooth Ant 2a at 7.5<br>dBm SAR (W/kg) | Bluetooth Ant 4a at 8<br>dBm SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |              |
|-----------|---------------|-----------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|---------------------|-------|--------------|
|           |               | 1                                                               | 2                                                                | 3                                         | 4                                       | 1+2+3               | 1+2+4 | 1+2+3+4      |
| Body SAR  | Back          | 0.509                                                           | 0.566                                                            | 0.230                                     | 0.296                                   | 1.305               | 1.371 | 0.862*       |
|           | Top           | 0.730                                                           | 0.516                                                            | 0.026                                     | 0.137                                   | 1.272               | 1.383 | <b>1.409</b> |
|           | Bottom        | 0.042                                                           | 0.023                                                            | 0.111                                     | 0.033                                   | 0.176               | 0.098 | 0.209        |
|           | Right         | 0.647                                                           | 0.003                                                            | 0.184                                     | 0.005                                   | 0.834               | 0.655 | 0.839        |
|           | Left          | 0.008                                                           | 0.572                                                            | 0.003                                     | 0.185                                   | 0.583               | 0.765 | 0.768        |

|                                         |                                                                                                                  |                            |                                 |
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| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 260 of 284                 |

Table 11-43

### Inter-band ULCA Cellular Band Ant 1 and 2A Simultaneous Transmission Scenario with 2.4 GHz BT MIMO and 5 GHz WLAN MIMO

| Simult Tx   | Configuration | Cellular Band Antenna 1<br>Inter-band ULCA Active<br>SAR (W/kg) | Cellular Band Antenna<br>2a Inter-band ULCA<br>Active SAR (W/kg) | Bluetooth Ant 2a at 7.5<br>dBm SAR (W/kg) | Bluetooth Ant 4a at 8<br>dBm SAR (W/kg) | WLAN 5GHz ANTlower<br>Reduced SAR (W/kg) | WLAN 5GHz ANTupper<br>Reduced SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|-----------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|------------------------------------------|------------------------------------------|--------------|
|             |               | 1                                                               | 2                                                                | 3                                         | 4                                       | 5                                        | 6                                        | 1+2+3+4+5+6  |
| Body<br>SAR | Back          | 0.382                                                           | 0.650                                                            | 0.230                                     | 0.296                                   | 0.054                                    | 0.036                                    | 0.934*       |
|             | Top           | 0.050                                                           | 0.023                                                            | 0.026                                     | 0.137                                   | 0.000                                    | 0.009                                    | 0.245        |
|             | Bottom        | 0.584                                                           | 0.559                                                            | 0.111                                     | 0.033                                   | 0.006                                    | 0.010                                    | 1.303        |
|             | Right         | 0.007                                                           | 0.511                                                            | 0.184                                     | 0.005                                   | 0.387                                    | 0.302                                    | 1.396        |
|             | Left          | 0.693                                                           | 0.005                                                            | 0.003                                     | 0.185                                   | 0.013                                    | 0.018                                    | 0.917        |

Table 11-44

### Inter-band ULCA Cellular Band Ant 1 and 4A Simultaneous Transmission Scenario with 2.4 GHz BT MIMO and 5 GHz WLAN MIMO

| Simult Tx   | Configuration | Cellular Band Antenna 1<br>Inter-band ULCA Active<br>SAR (W/kg) | Cellular Band Antenna<br>4a Inter-band ULCA<br>Active SAR (W/kg) | Bluetooth Ant 2a at 7.5<br>dBm SAR (W/kg) | Bluetooth Ant 4a at 8<br>dBm SAR (W/kg) | WLAN 5GHz ANTlower<br>Reduced SAR (W/kg) | WLAN 5GHz ANTupper<br>Reduced SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|-----------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|------------------------------------------|------------------------------------------|--------------|
|             |               | 1                                                               | 2                                                                | 3                                         | 4                                       | 5                                        | 6                                        | 1+2+3+4+5+6  |
| Body<br>SAR | Back          | 0.382                                                           | 0.566                                                            | 0.230                                     | 0.296                                   | 0.054                                    | 0.036                                    | 1.564        |
|             | Top           | 0.050                                                           | 0.516                                                            | 0.026                                     | 0.137                                   | 0.000                                    | 0.009                                    | 0.738        |
|             | Bottom        | 0.584                                                           | 0.023                                                            | 0.111                                     | 0.033                                   | 0.006                                    | 0.010                                    | 0.767        |
|             | Right         | 0.007                                                           | 0.003                                                            | 0.184                                     | 0.005                                   | 0.387                                    | 0.302                                    | 0.888        |
|             | Left          | 0.693                                                           | 0.572                                                            | 0.003                                     | 0.185                                   | 0.013                                    | 0.018                                    | 1.484        |

Table 11-45

### Inter-band ULCA Cellular Band Ant 1 and 4B Simultaneous Transmission Scenario with 2.4 GHz BT MIMO and 5 GHz WLAN MIMO

| Simult Tx   | Configuration | Cellular Band Antenna 1<br>Inter-band ULCA Active<br>SAR (W/kg) | Cellular Band Antenna<br>4b Inter-band ULCA<br>Active SAR (W/kg) | Bluetooth Ant 2a at 7.5<br>dBm SAR (W/kg) | Bluetooth Ant 4a at 8<br>dBm SAR (W/kg) | WLAN 5GHz ANTlower<br>Reduced SAR (W/kg) | WLAN 5GHz ANTupper<br>Reduced SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|-----------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|------------------------------------------|------------------------------------------|--------------|
|             |               | 1                                                               | 2                                                                | 3                                         | 4                                       | 5                                        | 6                                        | 1+2+3+4+5+6  |
| Body<br>SAR | Back          | 0.382                                                           | 0.597                                                            | 0.230                                     | 0.296                                   | 0.054                                    | 0.036                                    | 1.069*       |
|             | Top           | 0.050                                                           | 0.704                                                            | 0.026                                     | 0.137                                   | 0.000                                    | 0.009                                    | 0.926        |
|             | Bottom        | 0.584                                                           | 0.005                                                            | 0.111                                     | 0.033                                   | 0.006                                    | 0.010                                    | 0.749        |
|             | Right         | 0.007                                                           | 0.025                                                            | 0.184                                     | 0.005                                   | 0.387                                    | 0.302                                    | 0.910        |
|             | Left          | 0.693                                                           | 0.057                                                            | 0.003                                     | 0.185                                   | 0.013                                    | 0.018                                    | 0.969        |

Table 11-46

### Inter-band ULCA Cellular Band Ant 2A and 3 Simultaneous Transmission Scenario with 2.4 GHz BT MIMO and 5 GHz WLAN MIMO

| Simult Tx   | Configuration | Cellular Band Antenna<br>2a Inter-band ULCA<br>Active SAR (W/kg) | Cellular Band Antenna 3<br>Inter-band ULCA Active<br>SAR (W/kg) | Bluetooth Ant 2a at 7.5<br>dBm SAR (W/kg) | Bluetooth Ant 4a at 8<br>dBm SAR (W/kg) | WLAN 5GHz ANTlower<br>Reduced SAR (W/kg) | WLAN 5GHz ANTupper<br>Reduced SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------|-----------------------------------------|------------------------------------------|------------------------------------------|--------------|
|             |               | 1                                                                | 2                                                               | 3                                         | 4                                       | 5                                        | 6                                        | 1+2+3+4+5+6  |
| Body<br>SAR | Back          | 0.650                                                            | 0.509                                                           | 0.230                                     | 0.296                                   | 0.054                                    | 0.036                                    | 0.934*       |
|             | Top           | 0.023                                                            | 0.730                                                           | 0.026                                     | 0.137                                   | 0.000                                    | 0.009                                    | 0.925        |
|             | Bottom        | 0.559                                                            | 0.042                                                           | 0.111                                     | 0.033                                   | 0.006                                    | 0.010                                    | 0.761        |
|             | Right         | 0.511                                                            | 0.647                                                           | 0.184                                     | 0.005                                   | 0.387                                    | 0.302                                    | 1.087*       |
|             | Left          | 0.005                                                            | 0.008                                                           | 0.003                                     | 0.185                                   | 0.013                                    | 0.018                                    | 0.232        |

Table 11-47

### Inter-band ULCA Cellular Band Ant 2B and 3 Simultaneous Transmission Scenario with 2.4 GHz BT MIMO and 5 GHz WLAN MIMO

| Simult Tx   | Configuration | Cellular Band Antenna<br>2b Inter-band ULCA<br>Active SAR (W/kg) | Cellular Band Antenna 3<br>Inter-band ULCA Active<br>SAR (W/kg) | Bluetooth Ant 2a at 7.5<br>dBm SAR (W/kg) | Bluetooth Ant 4a at 8<br>dBm SAR (W/kg) | WLAN 5GHz ANTlower<br>Reduced SAR (W/kg) | WLAN 5GHz ANTupper<br>Reduced SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------|-----------------------------------------|------------------------------------------|------------------------------------------|--------------|
|             |               | 1                                                                | 2                                                               | 3                                         | 4                                       | 5                                        | 6                                        | 1+2+3+4+5+6  |
| Body<br>SAR | Back          | 0.554                                                            | 0.509                                                           | 0.230                                     | 0.296                                   | 0.054                                    | 0.036                                    | 1.117*       |
|             | Top           | 0.005                                                            | 0.730                                                           | 0.026                                     | 0.137                                   | 0.000                                    | 0.009                                    | 0.907        |
|             | Bottom        | 0.767                                                            | 0.042                                                           | 0.111                                     | 0.033                                   | 0.006                                    | 0.010                                    | 0.969        |
|             | Right         | 0.059                                                            | 0.647                                                           | 0.184                                     | 0.005                                   | 0.387                                    | 0.302                                    | 1.013*       |
|             | Left          | 0.028                                                            | 0.008                                                           | 0.003                                     | 0.185                                   | 0.013                                    | 0.018                                    | 0.255        |

|                                         |                                                                                                                  |                            |                                 |
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**Table 11-48**  
**Inter-band ULCA Cellular Band Ant 3 and 4A Simultaneous Transmission Scenario with 2.4 GHz BT MIMO**  
**and 5 GHz WLAN MIMO**

| Simult Tx   | Configuration | Cellular Band Antenna 3<br>Inter-band ULCA Active<br>SAR (W/kg) | Cellular Band Antenna<br>4a Inter-band ULCA<br>Active SAR (W/kg) | Bluetooth Ant 2a at 7.5<br>dBm SAR (W/kg) | Bluetooth Ant 4a at 8<br>dBm SAR (W/kg) | WLAN 5GHz ANTLower<br>Reduced SAR (W/kg) | WLAN 5GHz ANTUpper<br>Reduced SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|-----------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|------------------------------------------|------------------------------------------|--------------|
|             |               | 1                                                               | 2                                                                | 3                                         | 4                                       | 5                                        | 6                                        | 1+2+3+4+5+6  |
| Body<br>SAR | Back          | 0.509                                                           | 0.566                                                            | 0.230                                     | 0.296                                   | 0.054                                    | 0.036                                    | 0.898*       |
|             | Top           | 0.730                                                           | 0.516                                                            | 0.026                                     | 0.137                                   | 0.000                                    | 0.009                                    | <b>1.418</b> |
|             | Bottom        | 0.042                                                           | 0.023                                                            | 0.111                                     | 0.033                                   | 0.006                                    | 0.010                                    | 0.225        |
|             | Right         | 0.647                                                           | 0.003                                                            | 0.184                                     | 0.005                                   | 0.387                                    | 0.302                                    | 0.957*       |
|             | Left          | 0.008                                                           | 0.572                                                            | 0.003                                     | 0.185                                   | 0.013                                    | 0.018                                    | 0.799        |

**Table 11-49**  
**2.4 GHz Bluetooth MIMO Simultaneous Transmission Scenario with 5 GHz WLAN MIMO**

| Simult Tx   | Configuration | Bluetooth Ant 2a at 11.5<br>dBm SAR (W/kg) | Bluetooth Ant 4a SAR<br>(W/kg) | WLAN 5GHz ANTLower<br>SAR (W/kg) | WLAN 5GHz ANTUpper<br>SAR (W/kg) | Σ SAR<br>(W/kg) |
|-------------|---------------|--------------------------------------------|--------------------------------|----------------------------------|----------------------------------|-----------------|
|             |               | 1                                          | 2                              | 3                                | 4                                | 1+2+3+4         |
| Body<br>SAR | Back          | 0.444                                      | 1.162                          | 0.129                            | 0.108                            | 1.270*          |
|             | Top           | 0.026                                      | 0.651                          | 0.000                            | 0.009                            | 0.686           |
|             | Bottom        | 0.225                                      | 0.033                          | 0.006                            | 0.010                            | 0.274           |
|             | Right         | 0.304                                      | 0.005                          | 1.127                            | 1.100                            | 1.436*          |
|             | Left          | 0.003                                      | 0.869                          | 0.013                            | 0.018                            | <b>0.903</b>    |

**Table 11-50**  
**Simultaneous Transmission Scenario with 2.4 GHz Bluetooth**

| Simult Tx   | Configuration | Bluetooth Ant 2a SAR<br>(W/kg) | Bluetooth Ant 4a SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|-------------|---------------|--------------------------------|--------------------------------|-----------------|
|             |               | 1                              | 2                              | 1+2             |
| Body<br>SAR | Back          | 1.150                          | 1.162                          | 1.162*          |
|             | Top           | 0.026                          | 0.651                          | 0.677           |
|             | Bottom        | 0.552                          | 0.033                          | 0.585           |
|             | Right         | 0.763                          | 0.005                          | 0.768           |
|             | Left          | 0.003                          | 0.869                          | <b>0.872</b>    |

|                                                |                                                                                                   |                                   |  |                                        |
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| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 262 of 284                        |

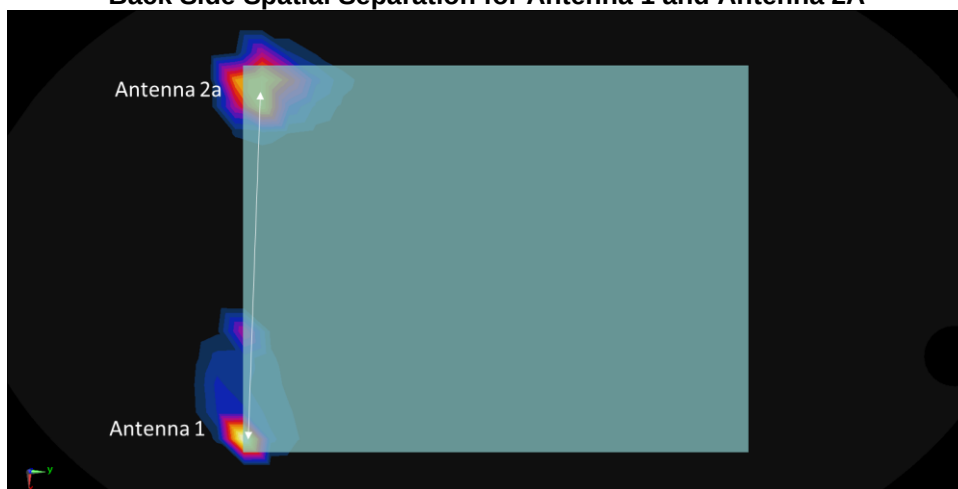
## 11.4 Spatial Separation Analysis

Per FCC KDB Publication 248227, antennas may be considered spatially separated when the aggregate SAR from multiple antennas at any location in the combined SAR distribution is either  $\leq 1.2$  W/kg where at least 90% of the SAR is attributed to a single SAR distribution or  $\leq 0.4$  W/kg where no more than one SAR distribution is contributing  $> 0.1$  W/kg.

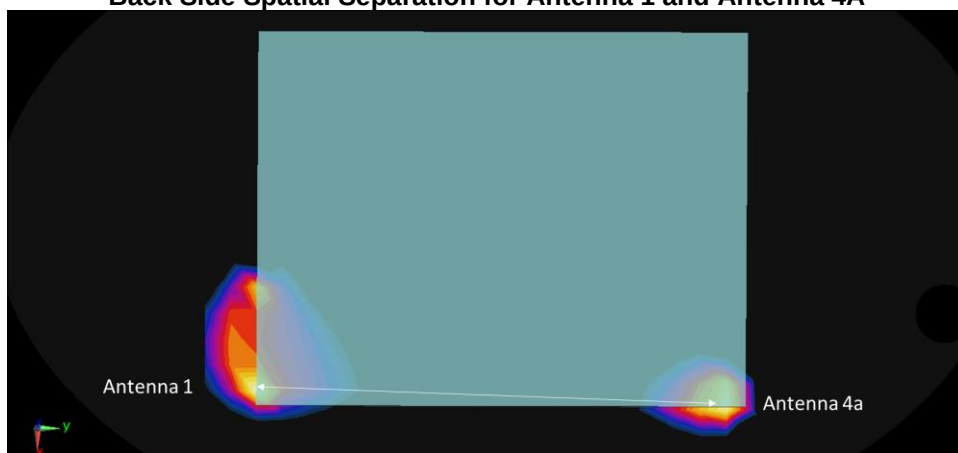
Spatial separation was determined by inspection of the area scan SAR distributions to confirm that at all locations, SAR was  $< 1.2$  W/kg, where at least 90% of the SAR is attributed to a single SAR distribution. See below for illustrations of the spatial separated antennas considered.

### 11.4.1 Back Side Spatial Separation Analysis

**Figure 11-1**  
**Back Side Spatial Separation for Antenna 1 and Antenna 2A**

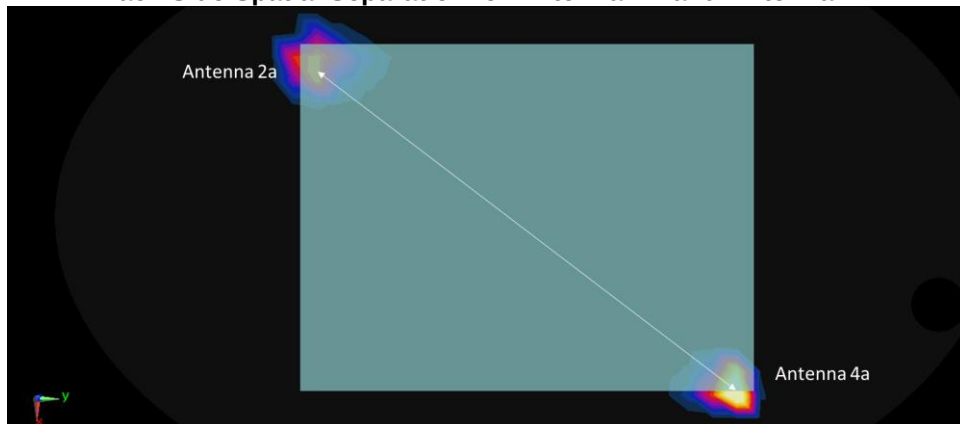


**Figure 11-2**  
**Back Side Spatial Separation for Antenna 1 and Antenna 4A**

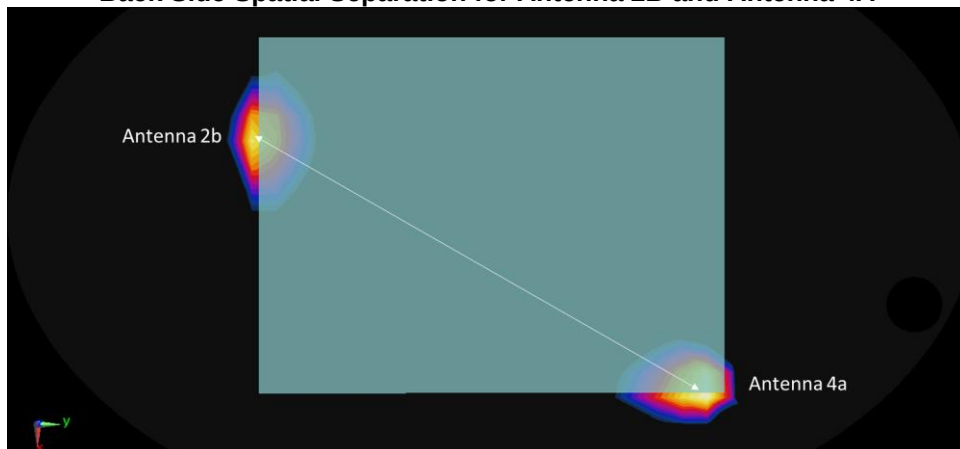


|                                         |                                                                                                                  |                            |                                 |
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**Figure 11-3**  
**Back Side Spatial Separation for Antenna 2A and Antenna 4A**

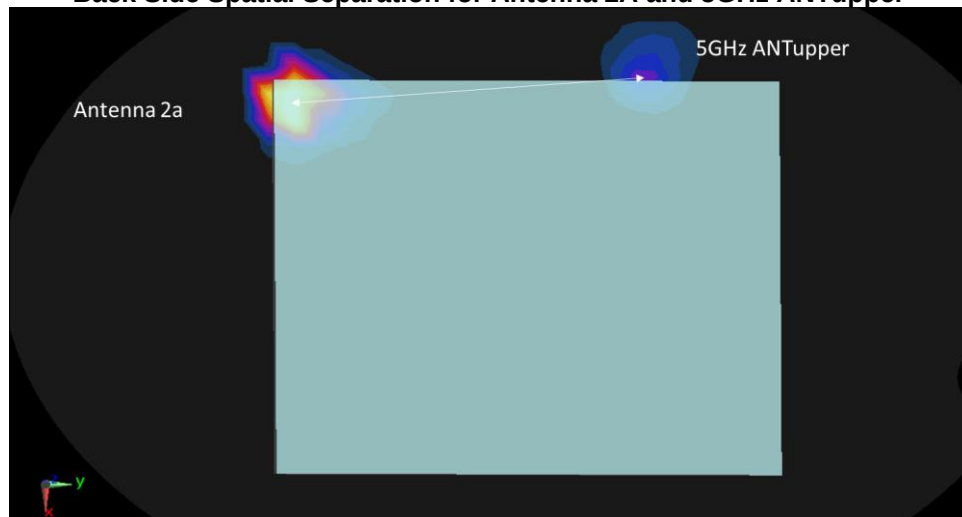


**Figure 11-4**  
**Back Side Spatial Separation for Antenna 2B and Antenna 4A**

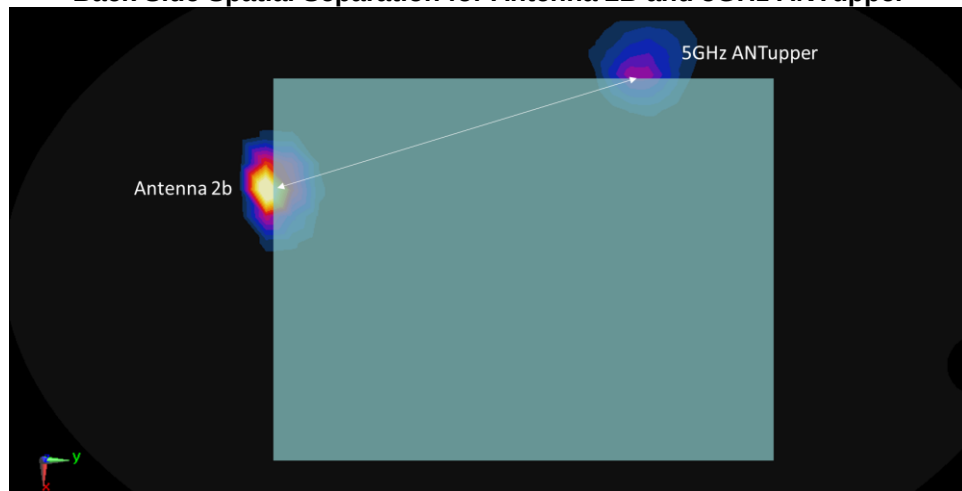


|                                                |                                                                                                   |                                   |                 |                                        |
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**Figure 11-5**  
**Back Side Spatial Separation for Antenna 2A and 5GHz ANTupper**

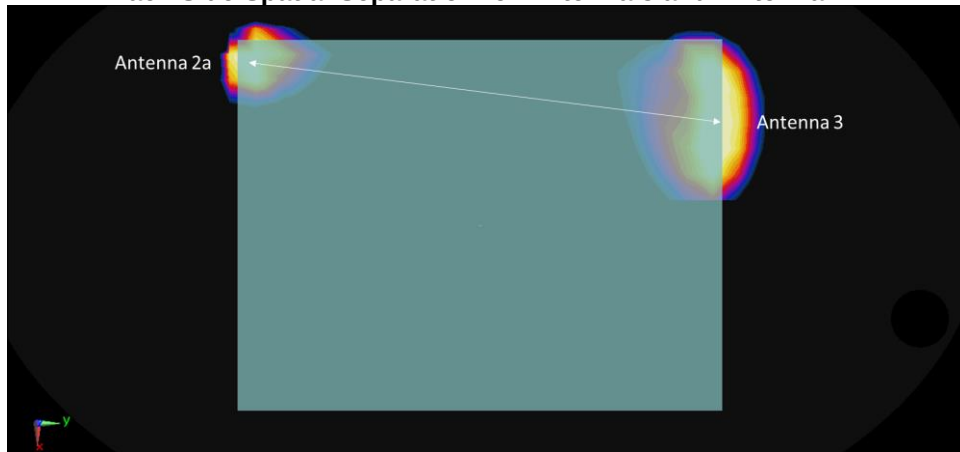


**Figure 11-6**  
**Back Side Spatial Separation for Antenna 2B and 5GHz ANTupper**

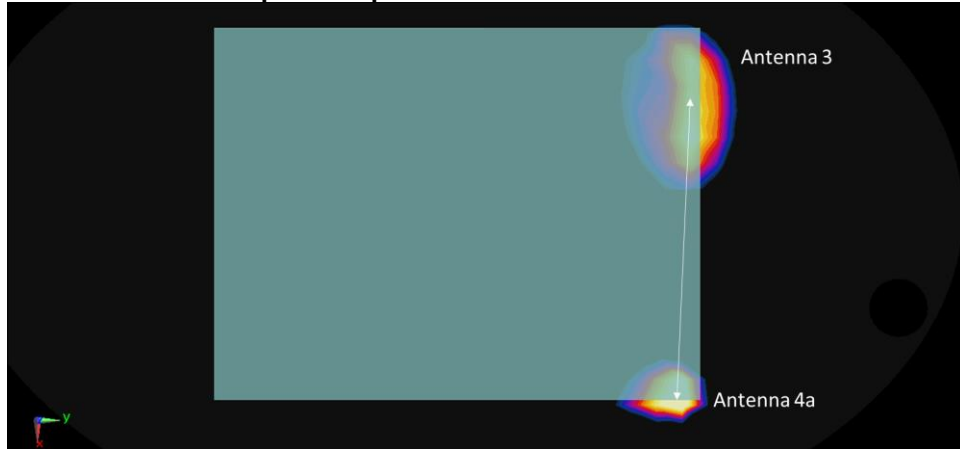


|                                                |                                                                                                   |                                   |  |                                        |
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| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 265 of 284                        |

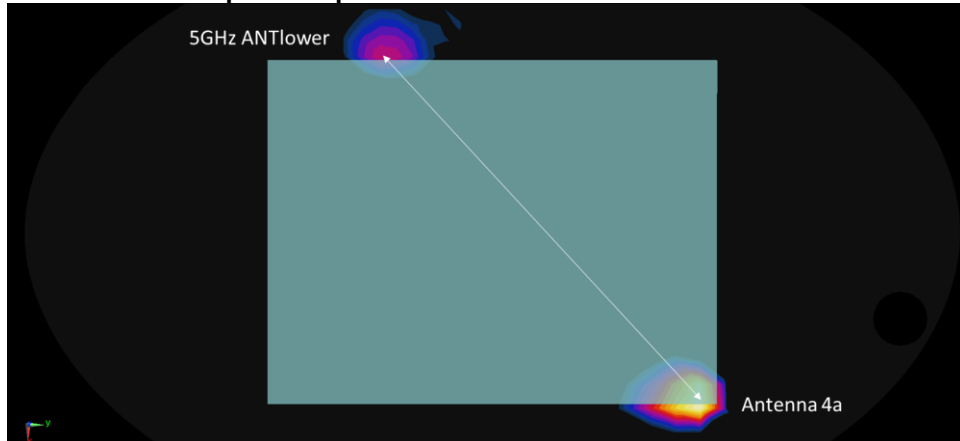
**Figure 11-7**  
**Back Side Spatial Separation for Antenna 3 and Antenna 2A**



**Figure 11-8**  
**Back Side Spatial Separation for Antenna 3 and Antenna 4A**

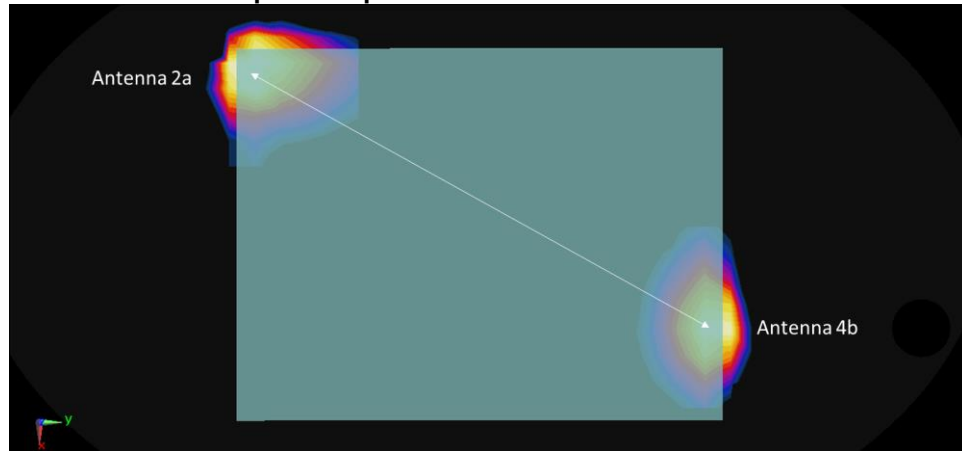


**Figure 11-9**  
**Back Side Spatial Separation for Antenna 4A and 5GHz ANTlower**



|                                         |                                                                                                                  |                            |                                 |
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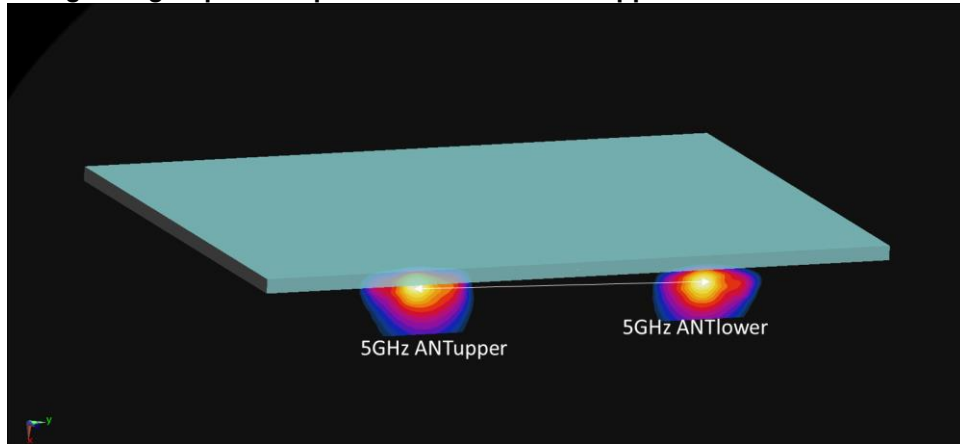
**Figure 11-10**  
**Back Side Spatial Separation for Antenna 4B and Antenna 2A**



|                                                |                                                                                                                  |                                        |
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| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                                    | <b>DUT Type:</b><br>Tablet Device      |
|                                                |                                                                                                                  | Page 267 of 284                        |

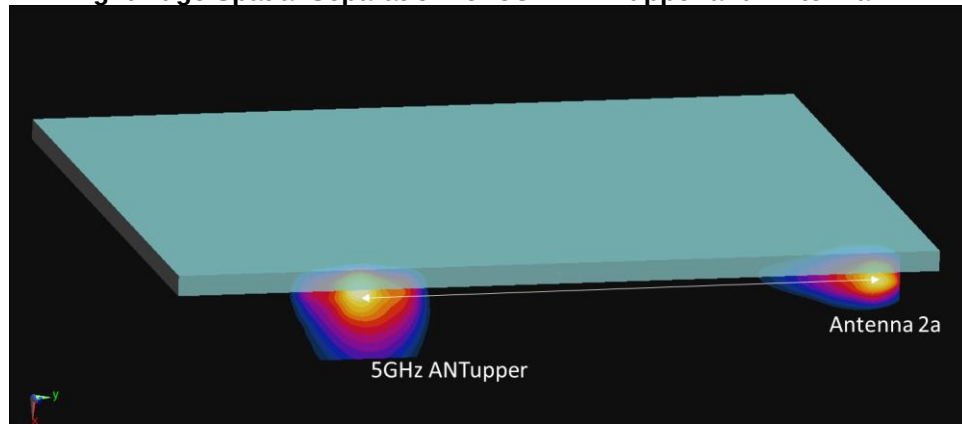
## 11.4.2 Right Edge Spatial Separation Analysis

Figure 11-11  
Right Edge Spatial Separation for 5GHz ANTupper and 5GHz ANTlower

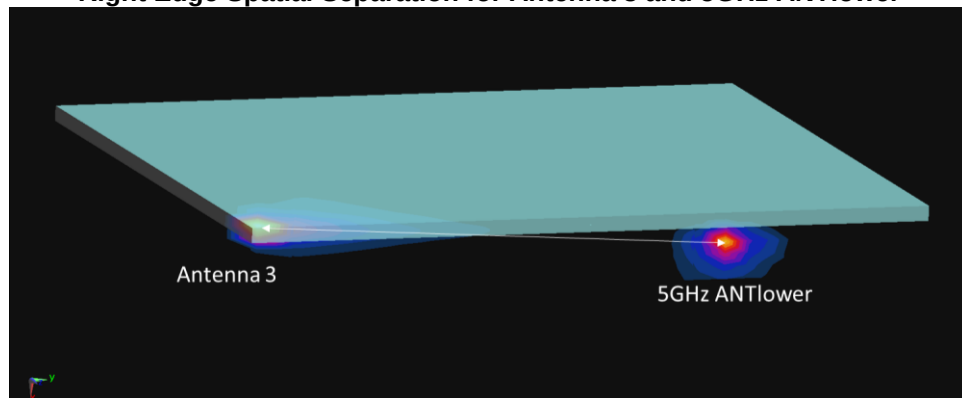


|                                         |                                                                                                           |                            |                                 |
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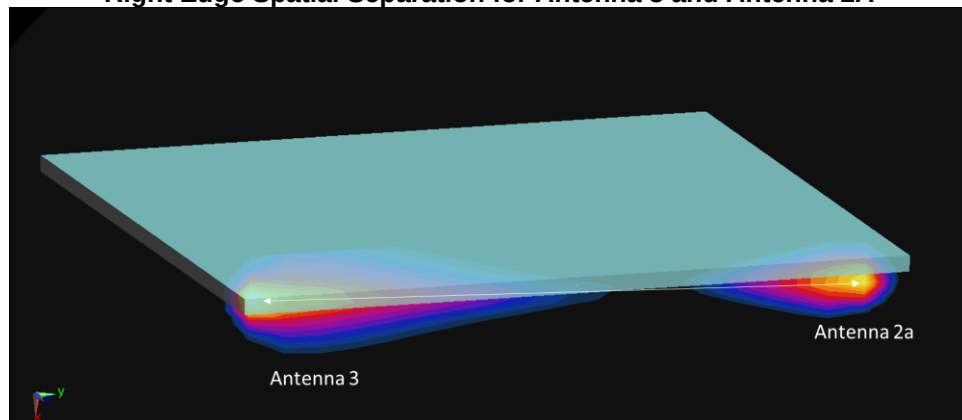
**Figure 11-12**  
**Right Edge Spatial Separation for 5GHz ANTupper and Antenna 2A**



**Figure 11-13**  
**Right Edge Spatial Separation for Antenna 3 and 5GHz ANTlower**



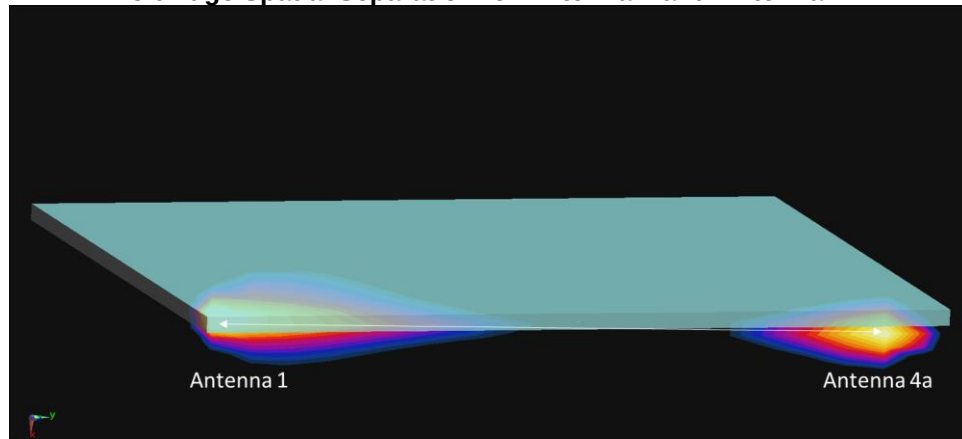
**Figure 11-14**  
**Right Edge Spatial Separation for Antenna 3 and Antenna 2A**



|                                                |                                                                                                                  |                                   |                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                                    | <b>DUT Type:</b><br>Tablet Device | Page 269 of 284                        |

### 11.4.3 Left Edge Spatial Separation Analysis

Figure 11-15  
Left Edge Spatial Separation for Antenna 1 and Antenna 4A



### 11.5 Simultaneous Transmission Conclusion

The above numerical summed SAR results and spatial separation analysis for all the worst-case simultaneous transmission conditions were below the SAR limit. Therefore, the above analysis is sufficient to determine that simultaneous transmission cases will not exceed the SAR limit and therefore no measured volumetric simultaneous SAR summation is required per FCC KDB Publication 447498 D01v06 and IEEE 1528-2013 Section 6.3.4.1.2.

|                                         |                                                                                                           |                            |                                 |
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## 12 SAR MEASUREMENT VARIABILITY

### 12.1 Measurement Variability

Per FCC KDB Publication 865664 D01v01r04, SAR measurement variability was assessed for each frequency band, which was determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media were required for SAR measurements in a frequency band, the variability measurement procedures were applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. These additional measurements were repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device was returned to ambient conditions (normal room temperature) with the battery fully charged before it was re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR Measurement Variability was assessed using the following procedures for each frequency band:

- 1) When the original highest measured SAR is  $\geq 0.80$  W/kg, the measurement was repeated once.
- 2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was  $> 1.20$  or when the original or repeated measurement was  $\geq 1.45$  W/kg (~ 10% from the 1g SAR limit).
- 3) A third repeated measurement was performed only if the original, first or second repeated measurement was  $\geq 1.5$  W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is  $> 1.20$ .
- 4) Repeated measurements are not required when the original highest measured SAR is  $< 0.80$  W/kg

**Table 12-1**  
**Body SAR Measurement Variability Results**

| BODY VARIABILITY RESULTS                                                                          |           |        |                                     |                          |                           |                  |       |         |                                                 |                       |       |                       |                       |
|---------------------------------------------------------------------------------------------------|-----------|--------|-------------------------------------|--------------------------|---------------------------|------------------|-------|---------|-------------------------------------------------|-----------------------|-------|-----------------------|-----------------------|
| Band                                                                                              | FREQUENCY |        | Mode                                | Service                  | Antenna                   | Data Rate (Mbps) | Side  | Spacing | Measured SAR (1g)                               | 1st Repeated SAR (1g) | Ratio | 2nd Repeated SAR (1g) | 3rd Repeated SAR (1g) |
|                                                                                                   | MHz       | Ch.    |                                     |                          |                           |                  |       |         | (W/kg)                                          | (W/kg)                |       | (W/kg)                | (W/kg)                |
| 750                                                                                               | 707.50    | 23095  | LTE Band 12, 10 MHz Bandwidth       | QPSK, 1 RB, 0 RB Offset  | Ant 1                     | N/A              | left  | 0 mm    | 1.080                                           | 1.000                 | 1.08  | N/A                   | N/A                   |
| 835                                                                                               | 836.50    | 20525  | LTE Band 5 (Cell), 10 MHz Bandwidth | QPSK, 50 RB, 0 RB Offset | Ant 1                     | N/A              | left  | 0 mm    | 1.160                                           | 1.130                 | 1.03  | N/A                   | N/A                   |
| 1750                                                                                              | 1720.00   | 132072 | LTE Band 66 (AWS), 20 MHz Bandwidth | QPSK, 1 RB, 0 RB Offset  | Ant 2a                    | N/A              | back  | 0 mm    | 1.170                                           | 1.070                 | 1.09  | N/A                   | N/A                   |
| 1900                                                                                              | 1907.60   | 9538   | UMTS 1900                           | RMC                      | Ant 2b                    | N/A              | back  | 0 mm    | 1.160                                           | 1.050                 | 1.10  | N/A                   | N/A                   |
| 2300                                                                                              | 2310.00   | 27710  | LTE Band 30, 10 MHz Bandwidth       | QPSK, 50 RB, 0 RB Offset | Ant 4b                    | N/A              | back  | 0 mm    | 1.020                                           | 0.975                 | 1.05  | N/A                   | N/A                   |
| 2450                                                                                              | 2441.00   | 39     | Bluetooth                           | FHSS                     | Ant 4a                    | 1                | back  | 0 mm    | 1.130                                           | 1.110                 | 1.02  | N/A                   | N/A                   |
| 2600                                                                                              | 2549.50   | 40185  | LTE Band 41, 20 MHz Bandwidth       | QPSK, 50 RB, 0 RB Offset | Ant 4a                    | N/A              | back  | 0 mm    | 1.150                                           | 1.120                 | 1.02  | N/A                   | N/A                   |
| 3500                                                                                              | 3560.00   | 55340  | LTE Band 48, 20 MHz Bandwidth       | QPSK, 50 RB, 0 RB Offset | Ant 4b                    | N/A              | back  | 0 mm    | 1.140                                           | 1.120                 | 1.02  | N/A                   | N/A                   |
| 3700                                                                                              | 3603.30   | 55773  | LTE Band 48, 20 MHz Bandwidth       | QPSK, 1 RB, 99 RB Offset | Ant 2b                    | N/A              | back  | 0 mm    | 1.170                                           | 1.160                 | 1.01  | N/A                   | N/A                   |
| 5250                                                                                              | 5230.00   | 46     | 802.11n, 40 MHz Bandwidth           | OFDM                     | 5GHz ANT <sub>lower</sub> | 13.5             | right | 0 mm    | 0.919                                           | 0.915                 | 1.00  | N/A                   | N/A                   |
| 5600                                                                                              | 5610.00   | 122    | 802.11ac, 80 MHz Bandwidth          | OFDM                     | 5GHz ANT <sub>upper</sub> | 29.3             | right | 0 mm    | 0.817                                           | 0.809                 | 1.01  | N/A                   | N/A                   |
| 5750                                                                                              | 5775.00   | 155    | 802.11ac, 80 MHz Bandwidth          | OFDM                     | 5GHz ANT <sub>upper</sub> | 29.3             | right | 0 mm    | 0.871                                           | 0.842                 | 1.03  | N/A                   | N/A                   |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |           |        |                                     |                          |                           |                  |       |         | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                       |       |                       |                       |

### 12.2 Measurement Uncertainty

The measured SAR was  $< 1.5$  W/kg for 1g for all frequency bands. Therefore, per KDB Publication 865664 D01v01r04, the extended measurement uncertainty analysis per IEEE 1528-2013 was not required.

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2232                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170055-01-R1.BCG | Test Dates:<br>12/20/2019 – 02/05/2020                                                                           | DUT Type:<br>Tablet Device | Page 271 of 284                 |

## 13 ADDITIONAL TESTING PER FCC GUIDANCE

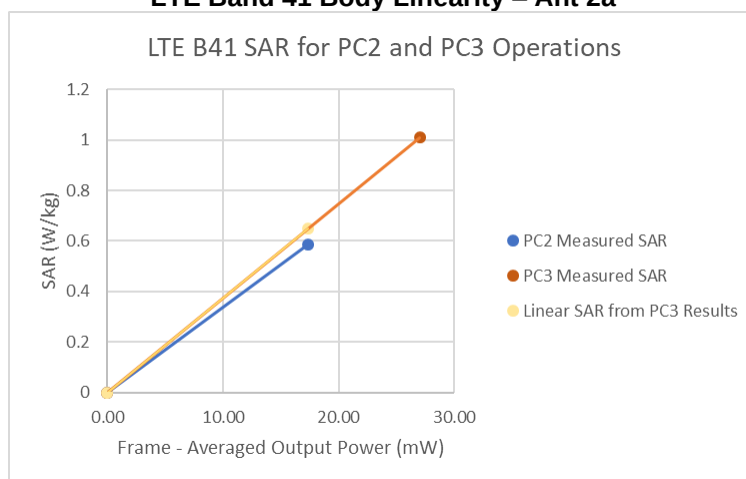
### 13.1 LTE Band 41 Power Class 2 and Power Class 3 Linearity

This device supports Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operations is 43.3 % using UL-DL configuration 1. Per May 2017 TCB Workshop Notes based on the device behavior, all SAR tests were performed using Power Class 3. SAR with Power Class 2 at the highest power and available duty factor was additionally performed for the Power Class 3 configuration with the highest SAR for each exposure condition. The linearity between the Power Class 2 and Power Class 3 SAR results and the respective frame averaged powers was calculated to determine that the results were linear. When ULCA is active, the linearity between the Power Class 2 with ULCA active and Power Class 3 with ULCA active SAR results and the respective frame averaged powers was calculated to determine that the results were linear. Per May 2017 TCB Workshop, no additional SAR measurements were required since the linearity between power classes was < 10% and all reported SAR values were < 1.4 W/kg for 1g and < 3.5 W/kg for 10g.

**Table 13-1**  
**LTE Band 41 Body Linearity Data – Ant 2a**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 16.4            | 16.4            |
| Measured Output Power (dBm)         | 16.3            | 16.04           |
| Measured SAR (W/kg)                 | 1.01            | 0.587           |
| Measured Power (mW)                 | 42.66           | 40.18           |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 27.00           | 17.40           |
| % deviation from expected linearity |                 | -9.79%          |

**Figure 13-1**  
**LTE Band 41 Body Linearity – Ant 2a**

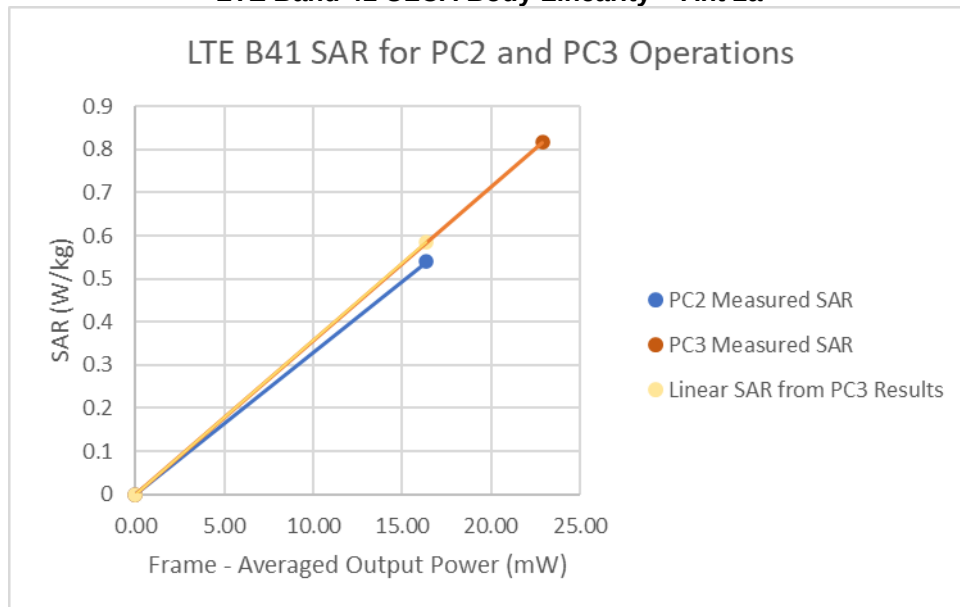


|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 272 of 284                        |

**Table 13-2**  
**LTE Band 41 ULCA Body Linearity Data – Ant 2a**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 16.4            | 16.4            |
| Measured Output Power (dBm)         | 15.58           | 15.77           |
| Measured SAR (W/kg)                 | 0.817           | 0.54            |
| Measured Power (mW)                 | 36.14           | 37.76           |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 22.88           | 16.35           |
| % deviation from expected linearity |                 | -7.51%          |

**Figure 13-2**  
**LTE Band 41 ULCA Body Linearity – Ant 2a**

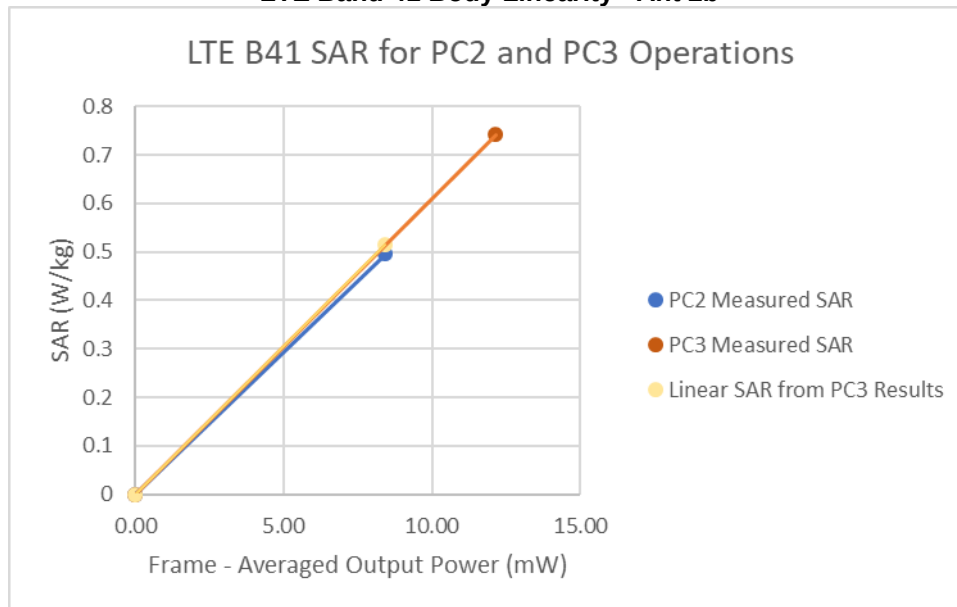


|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 273 of 284                        |

**Table 13-3**  
**LTE Band 41 Body Linearity Data – Ant 2b**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 13.8            | 13.8            |
| Measured Output Power (dBm)         | 12.83           | 12.89           |
| Measured SAR (W/kg)                 | 0.742           | 0.495           |
| Measured Power (mW)                 | 19.19           | 19.45           |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 12.15           | 8.42            |
| % deviation from expected linearity |                 | -3.81%          |

**Figure 13-3**  
**LTE Band 41 Body Linearity– Ant 2b**

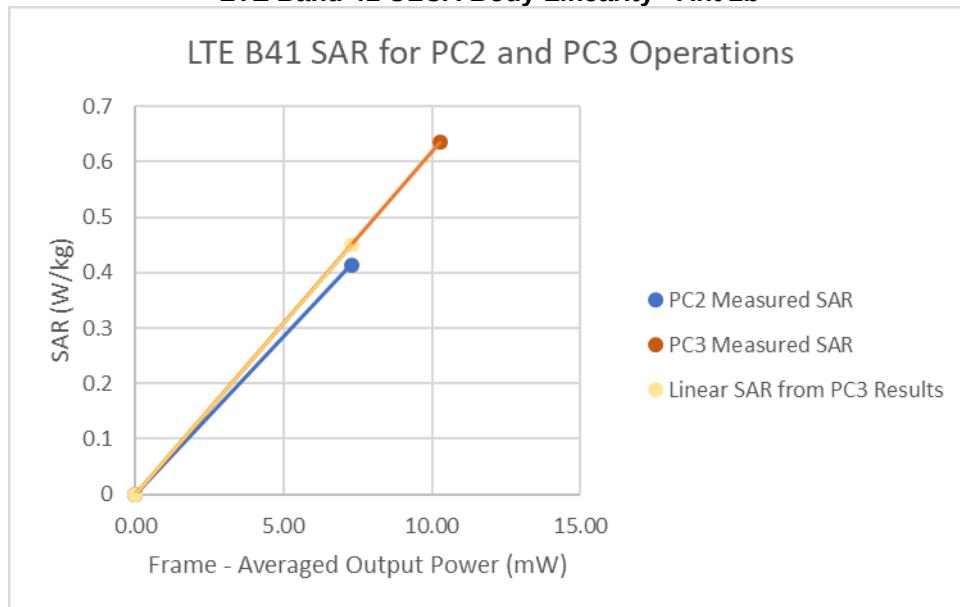


|                                                |                                                                                                   |                                   |                                        |
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| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 274 of 284                        |

**Table 13-4**  
**LTE Band 41 ULCA Body Linearity Data– Ant 2b**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 13.8            | 13.8            |
| Measured Output Power (dBm)         | 12.1            | 12.26           |
| Measured SAR (W/kg)                 | 0.635           | 0.414           |
| Measured Power (mW)                 | 16.22           | 16.83           |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 10.27           | 7.29            |
| % deviation from expected linearity |                 | -8.14%          |

**Figure 13-4**  
**LTE Band 41 ULCA Body Linearity– Ant 2b**

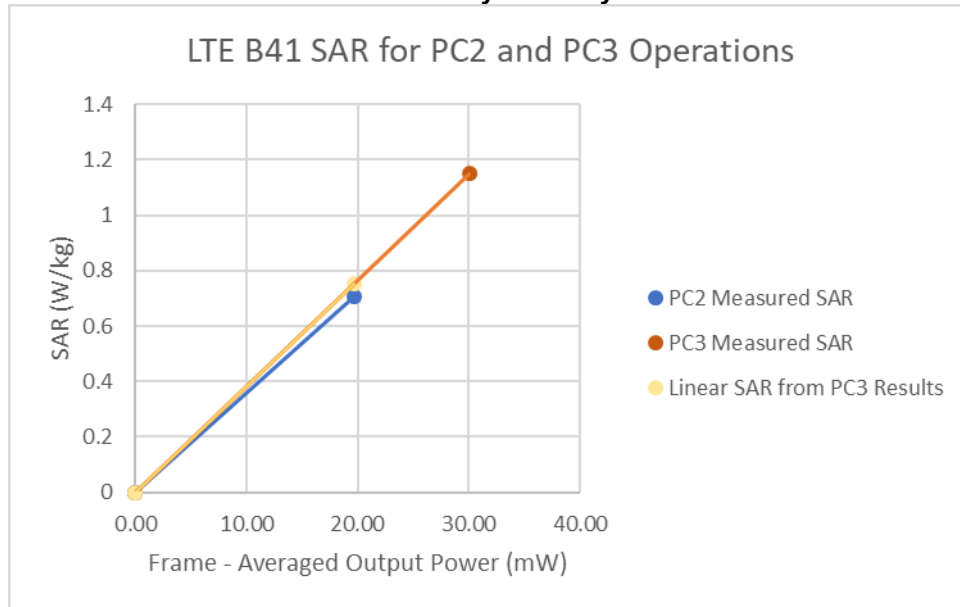


|                                                |                                                                                                   |                                   |                                        |
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| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 275 of 284                        |

**Table 13-5**  
**LTE Band 41 Body Linearity Data – Ant 4a**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 16.9            | 16.9            |
| Measured Output Power (dBm)         | 16.76           | 16.58           |
| Measured SAR (W/kg)                 | 1.15            | 0.707           |
| Measured Power (mW)                 | 47.42           | 45.50           |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 30.02           | 19.70           |
| % deviation from expected linearity |                 | -6.32%          |

**Figure 13-5**  
**LTE Band 41 Body Linearity– Ant 4a**

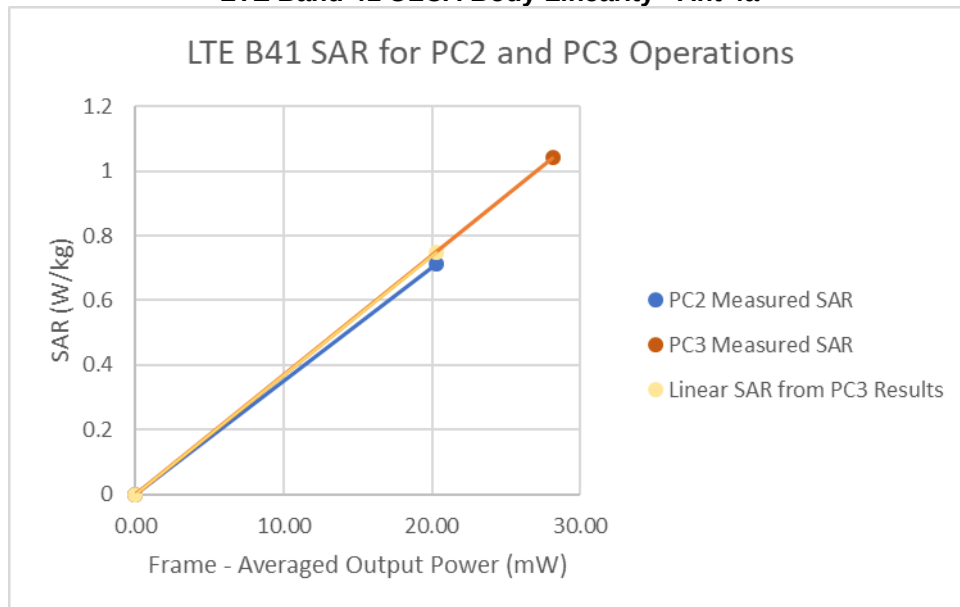


|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 276 of 284                        |

**Table 13-6**  
**LTE Band 41 ULCA Body Linearity Data– Ant 4a**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 16.9            | 16.9            |
| Measured Output Power (dBm)         | 16.48           | 16.7            |
| Measured SAR (W/kg)                 | 1.04            | 0.711           |
| Measured Power (mW)                 | 44.46           | 46.77           |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 28.15           | 20.25           |
| % deviation from expected linearity |                 | -4.99%          |

**Figure 13-6**  
**LTE Band 41 ULCA Body Linearity– Ant 4a**

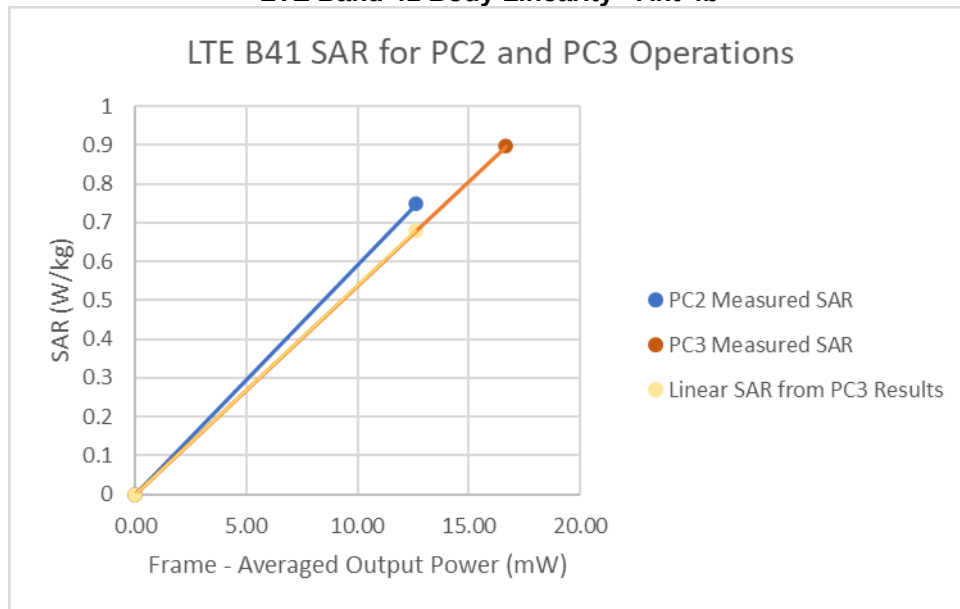


|                                                |                                                                                                   |                                   |                                        |
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| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 277 of 284                        |

**Table 13-7**  
**LTE Band 41 Body Linearity Data – Ant 4b**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 14.8            | 14.8            |
| Measured Output Power (dBm)         | 14.2            | 14.65           |
| Measured SAR (W/kg)                 | 0.898           | 0.748           |
| Measured Power (mW)                 | 26.30           | 29.17           |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 16.65           | 12.63           |
| % deviation from expected linearity |                 | 9.78%           |

**Figure 13-7**  
**LTE Band 41 Body Linearity– Ant 4b**

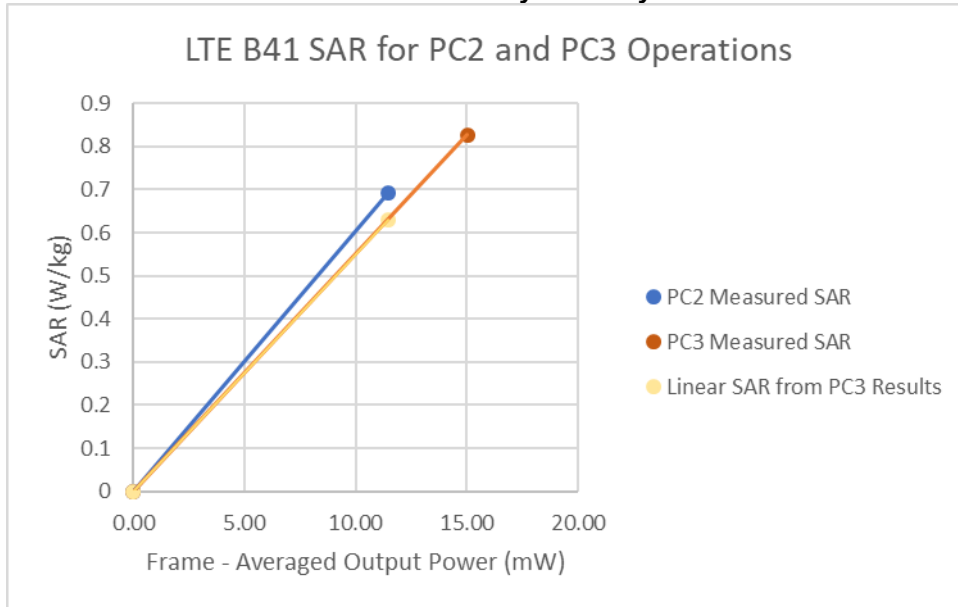


|                                                |                                                                                                   |                                   |                                        |
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| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 278 of 284                        |

**Table 13-8**  
**LTE Band 41 ULCA Body Linearity Data– Ant 4b**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 14.8            | 14.8            |
| Measured Output Power (dBm)         | 13.75           | 14.22           |
| Measured SAR (W/kg)                 | 0.827           | 0.692           |
| Measured Power (mW)                 | 23.71           | 26.42           |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 15.01           | 11.44           |
| % deviation from expected linearity |                 | 9.78%           |

**Figure 13-8**  
**LTE Band 41 ULCA Body Linearity– Ant 4b**



|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA2232                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170055-01-R1.BCG | <b>Test Dates:</b><br>12/20/2019 – 02/05/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 279 of 284                        |

# 14 EQUIPMENT LIST

| Manufacturer       | Model         | Description                         | Cal Date   | Cal Interval | Cal Due    | Serial Number |
|--------------------|---------------|-------------------------------------|------------|--------------|------------|---------------|
| Agilent            | E4438C        | ESG Vector Signal Generator         | 6/27/2019  | Annual       | 6/27/2020  | MY45093852    |
| Agilent            | E4438C        | ESG Vector Signal Generator         | 9/11/2019  | Annual       | 9/11/2020  | MY45093678    |
| Agilent            | E5515C        | Wireless Communications Test Set    | 2/28/2018  | Biennial     | 2/28/2020  | GB41450275    |
| Agilent            | E5515C        | Wireless Communications Test Set    | 5/22/2018  | Biennial     | 5/22/2020  | GB43193563    |
| Agilent            | N5182A        | MXG Vector Signal Generator         | 6/27/2019  | Annual       | 6/27/2020  | US46240505    |
| Agilent            | N5182A        | MXG Vector Signal Generator         | 8/19/2019  | Annual       | 8/19/2020  | MY47420837    |
| Amplifier Research | 150A100C      | Amplifier                           | CBT        | N/A          | CBT        | 350132        |
| Amplifier Research | 1551G6        | Amplifier                           | CBT        | N/A          | CBT        | 343972        |
| Amplifier Research | 1551G6        | Amplifier                           | CBT        | N/A          | CBT        | 343971        |
| Anritsu            | MA24106A      | USB Power Sensor                    | 8/5/2019   | Annual       | 8/5/2020   | 1827527       |
| Anritsu            | MA24106A      | USB Power Sensor                    | 6/21/2019  | Annual       | 6/21/2020  | 1244515       |
| Anritsu            | MA24106A      | USB Power Sensor                    | 7/8/2019   | Annual       | 7/8/2020   | 1248508       |
| Anritsu            | MA24106A      | USB Power Sensor                    | 8/5/2019   | Annual       | 8/5/2020   | 1827528       |
| Anritsu            | MA24106A      | USB Power Sensor                    | 8/27/2019  | Annual       | 8/27/2020  | 1827533       |
| Anritsu            | MA2411B       | Pulse Power Sensor                  | 12/4/2019  | Annual       | 12/4/2020  | 1126066       |
| Anritsu            | ML2496A       | Power Meter                         | 11/6/2019  | Annual       | 11/6/2020  | 1405003       |
| Anritsu            | ML2496A       | Power Meter                         | 12/17/2019 | Annual       | 12/17/2020 | 1138001       |
| Anritsu            | MT8820C       | Radio Communication Analyzer        | 7/25/2019  | Annual       | 7/25/2020  | 6201240328    |
| Anritsu            | MT8821C       | Radio Communication Analyzer        | 8/16/2019  | Annual       | 8/16/2020  | 6201144418    |
| Anritsu            | MT8821C       | Radio Communication Analyzer        | 3/18/2019  | Annual       | 3/18/2020  | 6201144419    |
| Control Company    | 4040          | Temperature / Humidity Monitor      | 2/28/2018  | Biennial     | 2/28/2020  | 150761911     |
| Control Company    | 4040          | Therm. / Clock / Humidity Monitor   | 2/28/2018  | Biennial     | 2/28/2020  | 170151872     |
| Control Company    | 4040          | Therm. / Clock / Humidity Monitor   | 2/28/2018  | Biennial     | 2/28/2020  | 170151893     |
| Control Company    | 4352          | Ultra Long Stem Thermometer         | 2/28/2018  | Biennial     | 2/28/2020  | 170330160     |
| Control Company    | 4352          | Ultra Long Stem Thermometer         | 2/28/2018  | Biennial     | 2/28/2020  | 170330158     |
| Control Company    | 4352          | Ultra Long Stem Thermometer         | 8/2/2018   | Biennial     | 8/2/2020   | 181292054     |
| Control Company    | 1235C55       | Digital Caliper                     | 3/20/2018  | Biennial     | 3/20/2020  | 140448586     |
| MCL                | BW-N3W5+      | 3dB Attenuator                      | CBT        | N/A          | CBT        | 1812          |
| MCL                | BW-N6W5+      | 6dB Attenuator                      | CBT        | N/A          | CBT        | 1311          |
| MCL                | BW-N10W5+     | 10dB Attenuator                     | CBT        | N/A          | CBT        | 1611          |
| Mini-Circuits      | NLP-1000+     | Low Pass Filter                     | CBT        | N/A          | CBT        | N/A           |
| Mini-Circuits      | NLP-1200+     | Low Pass Filter                     | CBT        | N/A          | CBT        | N/A           |
| Mini-Circuits      | NLP-2950+     | Low Pass Filter                     | CBT        | N/A          | CBT        | N/A           |
| Mini-Circuits      | VLF-6000+     | Low Pass Filter                     | CBT        | N/A          | CBT        | N/A           |
| Mini-Circuits      | ZHDC-16-63-S+ | 50-6000MHz Bidirectional Coupler    | CBT        | N/A          | CBT        | N/A           |
| Pasternack         | PE2208-6      | Bidirectional Coupler               | CBT        | N/A          | CBT        | N/A           |
| Pasternack         | NC-100        | Torque Wrench                       | 5/23/2018  | Biennial     | 5/23/2020  | N/A           |
| Seekonk            | NC-100        | Torque Wrench                       | 5/9/2018   | Biennial     | 5/9/2020   | 22217         |
| Rohde & Schwarz    | CMW500        | Radio Communication Tester          | 6/24/2019  | Annual       | 6/24/2020  | 101699        |
| Rohde & Schwarz    | CMW500        | Radio Communication Tester          | 8/20/2019  | Annual       | 8/20/2020  | 106578        |
| Rohde & Schwarz    | CMW500        | Radio Communication Tester          | 6/26/2019  | Annual       | 6/26/2020  | 108843        |
| Rohde & Schwarz    | CMW500        | Radio Communication Tester          | 4/15/2019  | Annual       | 4/15/2020  | 167283        |
| Rohde & Schwarz    | CMW500        | Radio Communication Tester          | 4/15/2019  | Annual       | 4/15/2020  | 167284        |
| Rohde & Schwarz    | CMW500        | Radio Communication Tester          | 4/17/2019  | Annual       | 4/17/2020  | 167285        |
| Rohde & Schwarz    | CMW500        | Wideband Radio Communication Tester | 8/8/2019   | Annual       | 8/8/2020   | 145663        |
| SPEAG              | D750V3        | 750 MHz SAR Dipole                  | 9/8/2017   | Triennial    | 9/8/2020   | 1097          |
| SPEAG              | D835V2        | 835 MHz SAR Dipole                  | 6/20/2019  | Annual       | 6/20/2020  | 4d040         |
| SPEAG              | D1750V2       | 1750 MHz SAR Dipole                 | 6/19/2019  | Annual       | 6/19/2020  | 1083          |
| SPEAG              | D1900V2       | 1900 MHz SAR Dipole                 | 5/14/2018  | Biennial     | 5/14/2020  | 5d026         |
| SPEAG              | D2300V2       | 2300 MHz SAR Dipole                 | 3/7/2018   | Biennial     | 3/7/2020   | 1038          |
| SPEAG              | D2450V2       | 2450 MHz SAR Dipole                 | 11/12/2018 | Biennial     | 11/12/2020 | 921           |
| SPEAG              | D2450V2       | 2450 MHz SAR Dipole                 | 5/16/2018  | Biennial     | 5/16/2020  | 945           |
| SPEAG              | D2600V2       | 2600 MHz SAR Dipole                 | 9/11/2017  | Triennial    | 9/11/2020  | 1069          |
| SPEAG              | D2600V2       | 2600 MHz SAR Dipole                 | 6/19/2018  | Biennial     | 6/19/2020  | 1009          |
| SPEAG              | D3500V2       | 3500 MHz SAR Dipole                 | 12/4/2019  | Annual       | 12/4/2020  | 1068          |
| SPEAG              | D3700V2       | 3700 MHz SAR Dipole                 | 12/4/2019  | Annual       | 12/4/2020  | 1029          |
| SPEAG              | D5GHZV2       | 5 GHz SAR Dipole                    | 9/13/2018  | Biennial     | 9/13/2020  | 1163          |
| SPEAG              | DAK-3.5       | Dielectric Assessment Kit           | 5/7/2019   | Annual       | 5/7/2020   | 1070          |
| SPEAG              | DAKS-3.5      | Portable DAK                        | 9/10/2019  | Annual       | 9/10/2020  | 1045          |
| SPEAG              | DAE4          | Dasy Data Acquisition Electronics   | 3/13/2019  | Annual       | 3/13/2020  | 604           |
| SPEAG              | DAE4          | Dasy Data Acquisition Electronics   | 2/13/2019  | Annual       | 2/13/2020  | 1403          |
| SPEAG              | DAE4          | Dasy Data Acquisition Electronics   | 11/13/2019 | Annual       | 11/13/2020 | 1213          |
| SPEAG              | DAE4          | Dasy Data Acquisition Electronics   | 4/17/2019  | Annual       | 4/17/2020  | 501           |
| SPEAG              | DAE4          | Dasy Data Acquisition Electronics   | 8/12/2019  | Annual       | 8/12/2020  | 1408          |
| SPEAG              | DAE4          | Dasy Data Acquisition Electronics   | 7/10/2019  | Annual       | 7/10/2020  | 1402          |
| SPEAG              | EX3DV4        | SAR Probe                           | 3/18/2019  | Annual       | 3/18/2020  | 7421          |
| SPEAG              | EX3DV4        | SAR Probe                           | 2/19/2019  | Annual       | 2/19/2020  | 7427          |
| SPEAG              | EX3DV4        | SAR Probe                           | 11/21/2019 | Annual       | 11/21/2020 | 7420          |
| SPEAG              | EX3DV4        | SAR Probe                           | 4/12/2019  | Annual       | 4/12/2020  | 7532          |
| SPEAG              | EX3DV4        | SAR Probe                           | 8/29/2019  | Annual       | 8/29/2020  | 3949          |
| SPEAG              | EX3DV4        | SAR Probe                           | 7/16/2019  | Annual       | 7/16/2020  | 7491          |

Note: CBT (Calibrated Before Testing). Prior to testing, the measurement paths containing a cable, amplifier, attenuator, coupler or filter were connected to a calibrated source (i.e. a signal generator) to determine the losses of the measurement path. The power meter offset was then adjusted to compensate for the measurement system losses. This level offset is stored within the power meter before measurements are made. This calibration verification procedure applies to the system verification and output power measurements. The calibrated reading is then taken directly from the power meter after compensation of the losses for all final power measurements.

|                                                |                                                                                                   |                                   |                                        |
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# 15 MEASUREMENT UNCERTAINTIES

| a                                                                             | c             | d              | e=<br>f(d,k) | f                     | g                        | h =<br>c x f/e                 | i =<br>c x g/e                   | k              |
|-------------------------------------------------------------------------------|---------------|----------------|--------------|-----------------------|--------------------------|--------------------------------|----------------------------------|----------------|
| Uncertainty Component                                                         | Tol.<br>(± %) | Prob.<br>Dist. | Div.         | c <sub>i</sub><br>1gm | c <sub>i</sub><br>10 gms | 1gm<br>u <sub>i</sub><br>(± %) | 10gms<br>u <sub>i</sub><br>(± %) | v <sub>i</sub> |
| <b>Measurement System</b>                                                     |               |                |              |                       |                          |                                |                                  |                |
| Probe Calibration                                                             | 6.55          | N              | 1            | 1.0                   | 1.0                      | 6.6                            | 6.6                              | ∞              |
| Axial Isotropy                                                                | 0.25          | N              | 1            | 0.7                   | 0.7                      | 0.2                            | 0.2                              | ∞              |
| Hemishperical Isotropy                                                        | 1.3           | N              | 1            | 0.7                   | 0.7                      | 0.9                            | 0.9                              | ∞              |
| Boundary Effect                                                               | 2.0           | R              | 1.73         | 1.0                   | 1.0                      | 1.2                            | 1.2                              | ∞              |
| Linearity                                                                     | 0.3           | N              | 1            | 1.0                   | 1.0                      | 0.3                            | 0.3                              | ∞              |
| System Detection Limits                                                       | 0.25          | R              | 1.73         | 1.0                   | 1.0                      | 0.1                            | 0.1                              | ∞              |
| Readout Electronics                                                           | 0.3           | N              | 1            | 1.0                   | 1.0                      | 0.3                            | 0.3                              | ∞              |
| Response Time                                                                 | 0.8           | R              | 1.73         | 1.0                   | 1.0                      | 0.5                            | 0.5                              | ∞              |
| Integration Time                                                              | 2.6           | R              | 1.73         | 1.0                   | 1.0                      | 1.5                            | 1.5                              | ∞              |
| RF Ambient Conditions - Noise                                                 | 3.0           | R              | 1.73         | 1.0                   | 1.0                      | 1.7                            | 1.7                              | ∞              |
| RF Ambient Conditions - Reflections                                           | 3.0           | R              | 1.73         | 1.0                   | 1.0                      | 1.7                            | 1.7                              | ∞              |
| Probe Positioner Mechanical Tolerance                                         | 0.4           | R              | 1.73         | 1.0                   | 1.0                      | 0.2                            | 0.2                              | ∞              |
| Probe Positioning w/ respect to Phantom                                       | 6.7           | R              | 1.73         | 1.0                   | 1.0                      | 3.9                            | 3.9                              | ∞              |
| Extrapolation, Interpolation & Integration algorithms for Max. SAR Evaluation | 4.0           | R              | 1.73         | 1.0                   | 1.0                      | 2.3                            | 2.3                              | ∞              |
| <b>Test Sample Related</b>                                                    |               |                |              |                       |                          |                                |                                  |                |
| Test Sample Positioning                                                       | 2.7           | N              | 1            | 1.0                   | 1.0                      | 2.7                            | 2.7                              | 35             |
| Device Holder Uncertainty                                                     | 1.67          | N              | 1            | 1.0                   | 1.0                      | 1.7                            | 1.7                              | 5              |
| Output Power Variation - SAR drift measurement                                | 5.0           | R              | 1.73         | 1.0                   | 1.0                      | 2.9                            | 2.9                              | ∞              |
| SAR Scaling                                                                   | 0.0           | R              | 1.73         | 1.0                   | 1.0                      | 0.0                            | 0.0                              | ∞              |
| <b>Phantom &amp; Tissue Parameters</b>                                        |               |                |              |                       |                          |                                |                                  |                |
| Phantom Uncertainty (Shape & Thickness tolerances)                            | 7.6           | R              | 1.73         | 1.0                   | 1.0                      | 4.4                            | 4.4                              | ∞              |
| Liquid Conductivity - measurement uncertainty                                 | 4.2           | N              | 1            | 0.78                  | 0.71                     | 3.3                            | 3.0                              | 10             |
| Liquid Permittivity - measurement uncertainty                                 | 4.1           | N              | 1            | 0.23                  | 0.26                     | 1.0                            | 1.1                              | 10             |
| Liquid Conductivity - Temperature Uncertainty                                 | 3.4           | R              | 1.73         | 0.78                  | 0.71                     | 1.5                            | 1.4                              | ∞              |
| Liquid Permittivity - Temperature Uncertainty                                 | 0.6           | R              | 1.73         | 0.23                  | 0.26                     | 0.1                            | 0.1                              | ∞              |
| Liquid Conductivity - deviation from target values                            | 5.0           | R              | 1.73         | 0.64                  | 0.43                     | 1.8                            | 1.2                              | ∞              |
| Liquid Permittivity - deviation from target values                            | 5.0           | R              | 1.73         | 0.60                  | 0.49                     | 1.7                            | 1.4                              | ∞              |
| <b>Combined Standard Uncertainty (k=1)</b>                                    | RSS           |                |              |                       |                          | 11.5                           | 11.3                             | 60             |
| <b>Expanded Uncertainty</b><br>(95% CONFIDENCE LEVEL)                         | k=2           |                |              |                       |                          | 23.0                           | 22.6                             |                |

|                                         |                                                                                                                  |                            |                                 |
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## 16 CONCLUSION

### 16.1 Measurement Conclusion

The SAR evaluation indicates that the EUT complies with the RF radiation exposure limits of the FCC and Innovation, Science, and Economic Development Canada, with respect to all parameters subject to this test. These measurements were taken to simulate the RF effects of RF exposure under worst-case conditions. Precise laboratory measures were taken to assure repeatability of the tests. The results and statements relate only to the item(s) tested.

Please note that the absorption and distribution of electromagnetic energy in the body are very complex phenomena that depend on the mass, shape, and size of the body, the orientation of the body with respect to the field vectors, and the electrical properties of both the body and the environment. Other variables that may play a substantial role in possible biological effects are those that characterize the environment (e.g. ambient temperature, air velocity, relative humidity, and body insulation) and those that characterize the individual (e.g. age, gender, activity level, debilitation, or disease). Because various factors may interact with one another to vary the specific biological outcome of an exposure to electromagnetic fields, any protection guide should consider maximal amplification of biological effects as a result of field-body interactions, environmental conditions, and physiological variables. [3]

|                                         |                                                                                                           |                            |                                 |
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## 17 REFERENCES

- [1] Federal Communications Commission, ET Docket 93-62, Guidelines for Evaluating the Environmental Effects of Radiofrequency Radiation, Aug. 1996.
- [2] ANSI/IEEE C95.1-2005, American National Standard safety levels with respect to human exposure to radio frequency electromagnetic fields, 3kHz to 300GHz, New York: IEEE, 2006.
- [3] ANSI/IEEE C95.1-1992, American National Standard safety levels with respect to human exposure to radio frequency electromagnetic fields, 3kHz to 300GHz, New York: IEEE, Sept. 1992.
- [4] ANSI/IEEE C95.3-2002, IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields - RF and Microwave, New York: IEEE, December 2002.
- [5] IEEE Standards Coordinating Committee 39 –Standards Coordinating Committee 34 – IEEE Std. 1528-2013, IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques.
- [6] NCRP, National Council on Radiation Protection and Measurements, Biological Effects and Exposure Criteria for RadioFrequency Electromagnetic Fields, NCRP Report No. 86, 1986. Reprinted Feb. 1995.
- [7] T. Schmid, O. Egger, N. Kuster, Automated E-field scanning system for dosimetric assessments, IEEE Transaction on Microwave Theory and Techniques, vol. 44, Jan. 1996, pp. 105-113.
- [8] K. Pokovic, T. Schmid, N. Kuster, Robust setup for precise calibration of E-field probes in tissue simulating liquids at mobile communications frequencies, ICECOM97, Oct. 1997, pp. 1 -124.
- [9] K. Pokovic, T. Schmid, and N. Kuster, E-field Probe with improved isotropy in brain simulating liquids, Proceedings of the ELMAR, Zadar, Croatia, June 23-25, 1996, pp. 172-175.
- [10] Schmid & Partner Engineering AG, Application Note: Data Storage and Evaluation, June 1998, p2.
- [11] V. Hombach, K. Meier, M. Burkhardt, E. Kuhn, N. Kuster, The Dependence of EM Energy Absorption upon Human Modeling at 900 MHz, IEEE Transaction on Microwave Theory and Techniques, vol. 44 no. 10, Oct. 1996, pp. 1865-1873.
- [12] N. Kuster and Q. Balzano, Energy absorption mechanism by biological bodies in the near field of dipole antennas above 300MHz, IEEE Transaction on Vehicular Technology, vol. 41, no. 1, Feb. 1992, pp. 17-23.
- [13] G. Hartsgrrove, A. Kraszewski, A. Surowiec, Simulated Biological Materials for Electromagnetic Radiation Absorption Studies, University of Ottawa, Bioelectromagnetics, Canada: 1987, pp. 29-36.
- [14] Q. Balzano, O. Garay, T. Manning Jr., Electromagnetic Energy Exposure of Simulated Users of Portable Cellular Telephones, IEEE Transactions on Vehicular Technology, vol. 44, no.3, Aug. 1995.
- [15] W. Gander, Computermathematick, Birkhaeuser, Basel, 1992.
- [16] W.H. Press, S.A. Teukolsky, W.T. Vetterling, and B.P. Flannery, Numerical Recipes in C, The Art of Scientific Computing, Second edition, Cambridge University Press, 1992.
- [17] N. Kuster, R. Kastle, T. Schmid, Dosimetric evaluation of mobile communications equipment with known precision, IEEE Transaction on Communications, vol. E80-B, no. 5, May 1997, pp. 645-652.

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|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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- [18] CENELEC CLC/SC111B, European Prestandard (prENV 50166-2), Human Exposure to Electromagnetic Fields High-frequency: 10kHz-300GHz, Jan. 1995.
- [19] Prof. Dr. Niels Kuster, ETH, Eidgenössische Technische Hochschule Zürich, Dosimetric Evaluation of the Cellular Phone.
- [20] IEC 62209-1, Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Part 1: Devices used next to the ear (Frequency range of 300 MHz to 6 GHz), July 2016.
- [21] Innovation, Science, Economic Development Canada RSS-102 Radio Frequency Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands) Issue 5, March 2015.
- [22] Health Canada Safety Code 6 Limits of Human Exposure to Radio Frequency Electromagnetic Fields in the Frequency Range from 3 kHz – 300 GHz, 2015
- [23] FCC SAR Test Procedures for 2G-3G Devices, Mobile Hotspot and UMPC Devices KDB Publications 941225, D01-D07
- [24] SAR Measurement Guidance for IEEE 802.11 Transmitters, KDB Publication 248227 D01
- [25] FCC SAR Considerations for Handsets with Multiple Transmitters and Antennas, KDB Publications 648474 D03-D04
- [26] FCC SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers, FCC KDB Publication 616217 D04
- [27] FCC SAR Measurement and Reporting Requirements for 100MHz – 6 GHz, KDB Publications 865664 D01-D02
- [28] FCC General RF Exposure Guidance and SAR Procedures for Dongles, KDB Publication 447498, D01-D02
- [29] Anexo à Resolução No. 533, de 10 de Setembro de 2009.
- [30] IEC 62209-2, Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures - Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz), Mar. 2010.

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