



## SAR EVALUATION REPORT

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

**Date of Testing:**  
12/18/2019 – 01/28/2020  
**Test Site/Location:**  
PCTEST Lab, Morgan Hill, CA, USA  
**Document Serial No.:**  
1C1912170054-01-R1.BCG

**FCC ID:** BCGA2069  
**APPLICANT:** APPLE, INC.

**DUT Type:** Tablet Device  
**Application Type:** Certification  
**FCC Rule Part(s):** CFR §2.1093  
**Model:** A2069

| Equipment Class                           | Band & Mode        | Tx Frequency          | SAR<br>1g Body (W/kg) |
|-------------------------------------------|--------------------|-----------------------|-----------------------|
| PCB                                       | GPRS/EDGE 850      | 824.20 - 848.80 MHz   | 1.08                  |
| PCB                                       | GPRS/EDGE 1900     | 1850.20 - 1909.80 MHz | 1.03                  |
| PCB                                       | UMTS 850           | 826.40 - 846.60 MHz   | 1.17                  |
| PCB                                       | UMTS 1750          | 1712.4 - 1752.6 MHz   | 1.19                  |
| PCB                                       | UMTS 1900          | 1852.4 - 1907.6 MHz   | 1.19                  |
| PCB                                       | LTE Band 71        | 665.5 - 695.5 MHz     | 1.14                  |
| PCB                                       | LTE Band 12        | 699.7 - 715.3 MHz     | 1.19                  |
| PCB                                       | LTE Band 17        | 706.5 - 713.5 MHz     | N/A                   |
| PCB                                       | LTE Band 13        | 779.5 - 784.5 MHz     | 1.19                  |
| PCB                                       | LTE Band 14        | 790.5 - 795.5 MHz     | 1.19                  |
| PCB                                       | LTE Band 26 (Cell) | 814.7 - 848.3 MHz     | 1.19                  |
| PCB                                       | LTE Band 5 (Cell)  | 824.7 - 848.3 MHz     | 1.16                  |
| PCB                                       | LTE Band 4 (AWS)   | 1710.7 - 1754.3 MHz   | 1.10                  |
| PCB                                       | LTE Band 66 (AWS)  | 1710.7 - 1779.3 MHz   | 1.18                  |
| PCB                                       | LTE Band 2 (PCS)   | 1850.7 - 1909.3 MHz   | 1.19                  |
| PCB                                       | LTE Band 25 (PCS)  | 1850.7 - 1914.3 MHz   | 1.19                  |
| PCB                                       | LTE Band 30        | 2307.5 - 2312.5 MHz   | 1.11                  |
| PCB                                       | LTE Band 7         | 2502.5 - 2567.5 MHz   | 1.19                  |
| CBE                                       | LTE Band 48        | 3552.5 - 3697.5 MHz   | 1.19                  |
| PCB                                       | LTE Band 41        | 2498.5 - 2687.5 MHz   | 1.12                  |
| DTSS                                      | 2.4 GHz WLAN       | 2412 - 2472 MHz       | 1.18                  |
| NII                                       | U-NII-1            | 5180 - 5240 MHz       | 1.01                  |
| NII                                       | U-NII-2A           | 5260 - 5320 MHz       | N/A                   |
| NII                                       | U-NII-2C           | 5500 - 5720 MHz       | 1.05                  |
| NII                                       | U-NII-3            | 5745 - 5825 MHz       | 1.18                  |
| DSS/DTSS                                  | Bluetooth          | 2402 - 2480 MHz       | 1.09                  |
| Simultaneous SAR per KDB 690783 D01V0103: |                    |                       | 1.59                  |

Note: This revised Test Report (S/N: 1C1912170054-01-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 Ortañez  
President



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|                                                |                                                                                                                  |                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                                    | <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 71        | Data            | 665.5 - 695.5 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 14        | Data            | 790.5 - 795.5 MHz     |
| LTE Band 26 (Cell) | Data            | 814.7 - 848.3 MHz     |
| LTE Band 5 (Cell)  | Data            | 824.7 - 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,

|                                         |                                                                                                                  |                            |                                 |
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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.

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

| Mode/Band     | Antenna |                   | Data- Burst Average GMSK (in dBm) |              | Data - Burst Average 8-PSK (in dBm) |              |
|---------------|---------|-------------------|-----------------------------------|--------------|-------------------------------------|--------------|
|               |         |                   | 1 TX Slots                        | 2 TX Slots   | 1 TX Slots                          | 2 TX Slots   |
| GPRS/EDGE 850 | Ant 1   | Max allowed power | <b>29.70</b>                      | <b>26.70</b> | <b>25.75</b>                        | <b>24.75</b> |
|               |         | Nominal           | <b>28.95</b>                      | <b>25.95</b> | <b>25.00</b>                        | <b>24.00</b> |
|               | Ant 3   | Max allowed power | <b>29.50</b>                      | <b>28.00</b> | <b>27.75</b>                        | <b>26.75</b> |
|               |         | Nominal           | <b>28.75</b>                      | <b>27.25</b> | <b>27.00</b>                        | <b>26.00</b> |

| Mode/Band      | Antenna |                   | Data- Burst Average GMSK (in dBm) |              | Data - Burst Average 8-PSK (in dBm) |              |
|----------------|---------|-------------------|-----------------------------------|--------------|-------------------------------------|--------------|
|                |         |                   | 1 TX Slots                        | 2 TX Slots   | 1 TX Slots                          | 2 TX Slots   |
| GPRS/EDGE 1900 | Ant 2a  | Max allowed power | <b>24.00</b>                      | <b>21.00</b> | <b>23.25</b>                        | <b>21.00</b> |
|                |         | Nominal           | <b>23.25</b>                      | <b>20.25</b> | <b>22.50</b>                        | <b>20.25</b> |
|                | Ant 2b  | Max allowed power | <b>23.00</b>                      | <b>20.00</b> | <b>23.00</b>                        | <b>20.00</b> |
|                |         | Nominal           | <b>22.25</b>                      | <b>19.25</b> | <b>22.25</b>                        | <b>19.25</b> |
|                | Ant 4a  | Max allowed power | <b>23.30</b>                      | <b>20.30</b> | <b>23.30</b>                        | <b>20.30</b> |
|                |         | Nominal           | <b>22.55</b>                      | <b>19.55</b> | <b>22.55</b>                        | <b>19.55</b> |
|                | Ant 4b  | Max allowed power | <b>22.50</b>                      | <b>19.50</b> | <b>22.50</b>                        | <b>19.50</b> |
|                |         | Nominal           | <b>21.75</b>                      | <b>18.75</b> | <b>21.75</b>                        | <b>18.75</b> |

|                                         |                                                                                                                  |                            |                                 |
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| Mode/Band             | 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 |
| UMTS Band 5 (850 MHz) | Ant 1   | Max allowed power | <b>20.70</b>                            | <b>20.70</b>        | <b>20.70</b>        | <b>20.70</b>            |
|                       |         | Nominal           | <b>20.20</b>                            | <b>20.20</b>        | <b>20.20</b>        | <b>20.20</b>            |
|                       | Ant 3   | Max allowed power | <b>21.80</b>                            | <b>21.80</b>        | <b>21.80</b>        | <b>21.80</b>            |
|                       |         | Nominal           | <b>21.30</b>                            | <b>21.30</b>        | <b>21.30</b>        | <b>21.30</b>            |

| Mode/Band              | 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 |
| UMTS Band 4 (1750 MHz) | Ant 2a  | Max allowed power | <b>15.90</b>                            | <b>15.90</b>        | <b>15.90</b>        | <b>15.90</b>            |
|                        |         | Nominal           | <b>15.40</b>                            | <b>15.40</b>        | <b>15.40</b>        | <b>15.40</b>            |
|                        | Ant 2b  | Max allowed power | <b>15.10</b>                            | <b>15.10</b>        | <b>15.10</b>        | <b>15.10</b>            |
|                        |         | Nominal           | <b>14.10</b>                            | <b>14.10</b>        | <b>14.10</b>        | <b>14.10</b>            |
|                        | Ant 4a  | Max allowed power | <b>14.80</b>                            | <b>14.80</b>        | <b>14.80</b>        | <b>14.80</b>            |
|                        |         | Nominal           | <b>13.80</b>                            | <b>13.80</b>        | <b>13.80</b>        | <b>13.80</b>            |
|                        | Ant 4b  | Max allowed power | <b>13.50</b>                            | <b>13.50</b>        | <b>13.50</b>        | <b>13.50</b>            |
|                        |         | Nominal           | <b>12.50</b>                            | <b>12.50</b>        | <b>12.50</b>        | <b>12.50</b>            |

| Mode/Band              | 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 |
| UMTS Band 2 (1900 MHz) | Ant 2a  | Max allowed power | <b>15.00</b>                            | <b>15.00</b>        | <b>15.00</b>        | <b>15.00</b>            |
|                        |         | Nominal           | <b>14.00</b>                            | <b>14.00</b>        | <b>14.00</b>        | <b>14.00</b>            |
|                        | Ant 2b  | Max allowed power | <b>14.00</b>                            | <b>14.00</b>        | <b>14.00</b>        | <b>14.00</b>            |
|                        |         | Nominal           | <b>13.00</b>                            | <b>13.00</b>        | <b>13.00</b>        | <b>13.00</b>            |
|                        | Ant 4a  | Max allowed power | <b>14.80</b>                            | <b>14.80</b>        | <b>14.80</b>        | <b>14.80</b>            |
|                        |         | Nominal           | <b>13.80</b>                            | <b>13.80</b>        | <b>13.80</b>        | <b>13.80</b>            |
|                        | Ant 4b  | Max allowed power | <b>13.50</b>                            | <b>13.50</b>        | <b>13.50</b>        | <b>13.50</b>            |
|                        |         | Nominal           | <b>12.50</b>                            | <b>12.50</b>        | <b>12.50</b>        | <b>12.50</b>            |

|                                         |                                                                                                                  |                            |                                 |
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| Mode / Band                              |                   | Modulated Average Output Power (in dBm) |       |        |        |        |        |
|------------------------------------------|-------------------|-----------------------------------------|-------|--------|--------|--------|--------|
|                                          |                   | Ant 1                                   | Ant 3 | Ant 2a | Ant 2b | Ant 4a | Ant 4b |
| LTE FDD Band 71                          | Max allowed power | 22.40                                   | 23.00 |        |        |        |        |
|                                          | Nominal           | 21.90                                   | 22.50 |        |        |        |        |
| 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 14                          | 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<br>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<br>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)<br>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)<br>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  |

|                                         |                                                                                                                  |                            |                                 |
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### 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 14 | 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) - Antenna 2a |
|------------------|---------|--------------------------------------------------------|
| 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) - Antenna 2a |
|------------------|---------|---------------------------------------------|
| 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                                             |                  | Channel | 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) |         |
|--------------------------------------------------------|------------------|---------|------------------------|---------|------------------------|---------|------------------------|---------|----------------------------|---------|
|                                                        |                  |         | 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     |

|                                         |                                                                                                                  |                            |                                 |
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| 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 - MIMO (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.

#### B. Antenna 4a

| Mode/Band        |         | Modulated Average - Single Tx Chain (dBm) - Antenna 4a |
|------------------|---------|--------------------------------------------------------|
| Bluetooth BDR/LE | Maximum | 15.00                                                  |
|                  | Nominal | 13.50                                                  |
| Bluetooth EDR    | Maximum | 13.50                                                  |
|                  | Nominal | 12.00                                                  |
| Bluetooth HDR    | Maximum | 9.50                                                   |
|                  | Nominal | 8.00                                                   |

| Mode/Band        |         | Modulated Average - MIMO (dBm) - Antenna 4a |
|------------------|---------|---------------------------------------------|
| Bluetooth BDR/LE | Maximum | 15.00                                       |
|                  | Nominal | 13.50                                       |
| Bluetooth EDR    | Maximum | 13.50                                       |
|                  | Nominal | 12.00                                       |
| Bluetooth HDR    | Maximum | 9.50                                        |
|                  | Nominal | 8.00                                        |

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

|                                         |                                                                                                                  |                            |                                 |
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| Mode/ Band                                                   |                  | Channel | 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) |         |
|--------------------------------------------------------------|------------------|---------|------------------------|---------|------------------------|---------|------------------------|---------|----------------------------|---------|
|                                                              |                  |         | Maximum                | Nominal | Maximum                | Nominal | Maximum                | Nominal | Maximum                    | Nominal |
| Modulated Average -<br>Single Tx Chain (dBm) -<br>Antenna 4a | 20 MHz Bandwidth | 1       | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                  | 12.25   | 12.50                      | 11.00   |
|                                                              |                  | 2       | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                      | 12.25   |
|                                                              |                  | 3       | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                      | 12.25   |
|                                                              |                  | 4       | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                      | 12.25   |
|                                                              |                  | 5       | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                      | 12.25   |
|                                                              |                  | 6       | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                      | 12.25   |
|                                                              |                  | 7       | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                      | 12.25   |
|                                                              |                  | 8       | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                      | 12.25   |
|                                                              |                  | 9       | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                      | 12.25   |
|                                                              |                  | 10      | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.50                      | 12.00   |
|                                                              |                  | 11      | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                  | 12.25   | 12.00                      | 10.50   |
|                                                              |                  | 12      | 13.75                  | 12.25   | 11.00                  | 9.50    | 11.00                  | 9.50    | 10.00                      | 8.50    |
|                                                              |                  | 13      | 12.00                  | 10.50   | 0.50                   | -1.00   | 0.50                   | -1.00   | N/A                        | N/A     |

| 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 -<br>MIMO (dBm) -<br>Antenna 4a | 20 MHz Bandwidth | 1       | 13.75                  | 12.25   | 13.75                  | 12.25   | 12.00                      | 10.50   |
|                                                   |                  | 2       | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                      | 12.25   |
|                                                   |                  | 3       | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                      | 12.25   |
|                                                   |                  | 4       | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                      | 12.25   |
|                                                   |                  | 5       | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                      | 12.25   |
|                                                   |                  | 6       | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                      | 12.25   |
|                                                   |                  | 7       | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                      | 12.25   |
|                                                   |                  | 8       | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                      | 12.25   |
|                                                   |                  | 9       | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.75                      | 12.25   |
|                                                   |                  | 10      | 13.75                  | 12.25   | 13.75                  | 12.25   | 13.00                      | 11.50   |
|                                                   |                  | 11      | 13.50                  | 12.00   | 13.50                  | 12.00   | 11.50                      | 10.00   |
|                                                   |                  | 12      | 10.50                  | 9.00    | 10.50                  | 9.00    | 9.00                       | 7.50    |
|                                                   |                  | 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. 5 GHz 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   |

|                                         |                                                                                                                  |                            |                                 |
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| 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: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 12 of 297                  |

| 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, 5 GHz ANTlower transmits at maximum allowed powers as indicated above for both 2 Tx CDD and 2 Tx SDM.

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 13 of 297                  |

## D. 5 GHz 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: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 14 of 297                  |

| 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: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 15 of 297                  |

| 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, 5 GHz ANTupper transmits at maximum allowed powers as indicated above for both 2 Tx CDD and 2 Tx SDM.

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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### 1.3.4 Unlicensed Reduced Output Power

#### E. Antenna 2a

Below table is applicable in the following conditions:

-Simultaneous conditions with 5GHz WLAN

| Mode/Band                |         | Modulated Average - Single Tx Chain (dBm) - Antenna 2a |
|--------------------------|---------|--------------------------------------------------------|
| Bluetooth BDR/LE Reduced | Maximum | 11.50                                                  |
|                          | Nominal | 10.00                                                  |
| Bluetooth EDR Reduced    | Maximum | 11.50                                                  |
|                          | Nominal | 10.00                                                  |
| 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 - Single Tx Chain (dBm) - Antenna 2a |
|--------------------------|---------|--------------------------------------------------------|
| 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 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 Average -<br>Single Tx Chain (dBm) -<br>Antenna 2a | 20 MHz 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     |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 17 of 297                  |

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 802.11g (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 - MIMO (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.

Below table is applicable in the following conditions:

-Simultaneous conditions with 5GHz WLAN

| Mode/Band                |         | Modulated Average - MIMO (dBm) - Antenna 2a |
|--------------------------|---------|---------------------------------------------|
| Bluetooth BDR/LE Reduced | Maximum | 11.50                                       |
|                          | Nominal | 10.00                                       |
| Bluetooth EDR Reduced    | Maximum | 11.50                                       |
|                          | Nominal | 10.00                                       |
| 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 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) - Antenna 2a |
|--------------------------|---------|---------------------------------------------|
| 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.

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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## F. 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) - Antenna 4a |
|--------------------------|---------|--------------------------------------------------------|
| 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 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 Average - Single Tx Chain (dBm) - Antenna 4a | 20 MHz 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 Average - MIMO (dBm) - Antenna 4a | 20 MHz 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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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<br>(dBm) - Antenna 4a |
|--------------------------|---------|------------------------------------------------|
| 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.

### G. 5 GHz 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                                                         |                  | 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>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: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 20 of 297                  |

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   |       |
|                                                                   | 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                    | 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 |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 21 of 297                  |

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

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 22 of 297                  |

## H. 5 GHz 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    |       |
|                                                                    |                  | 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                    | 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  |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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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 802.11a (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 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>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    |
|                                                                   |                  | 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    |

Note: In MIMO operations, 5 GHz 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 1-1  
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 71 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 14 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 (Cell) 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 71 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 14 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 (Cell) 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 (Cell) 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 (Cell) 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 1-2**  
**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 1-3**  
**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 B5/12/13/14<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 B5/12/13/14<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 B5/12/13/14<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 B5/12/13/14<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 B5/12/13/14<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 B5/12/13/14<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.

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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**Table 1-4**  
**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 1-3.

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

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
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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.

## **(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 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).

|                                         |                                                                                                                  |                            |                                 |
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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.

This device supports inter-band LTE Carrier Aggregation (CA) for LTE Bands 2/4/5/7/12/13/14/30/66 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.

## 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)
- April 2019 TCB Workshop Notes (IEEE 802.11ax)
- October 2018 TCB Workshop Notes (Inter-band Uplink Carrier Aggregation)

## 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 71 (665.5 - 695.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |                |
|                                                                                                                   | LTE Band 12 (699.7 - 715.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |                |
|                                                                                                                   | LTE Band 17 (706.5 - 713.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |                |
|                                                                                                                   | LTE Band 13 (779.5 - 794.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |                |
|                                                                                                                   | LTE Band 14 (790.5 - 795.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                 |                |
|                                                                                                                   | LTE Band 26 (Cell) (814.7 - 848.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                 |                |
|                                                                                                                   | LTE Band 5 (Cell) (824.7 - 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)                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                 |                |
| Channel Bandwidths                                                                                                | LTE Band 71: 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                 |                |
|                                                                                                                   | LTE Band 12: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                 |                |
|                                                                                                                   | LTE Band 17: 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                 |                |
|                                                                                                                   | LTE Band 13: 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                 |                |
|                                                                                                                   | LTE Band 14: 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                 |                |
|                                                                                                                   | LTE Band 26 (Cell): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                 |                |
|                                                                                                                   | LTE Band 5 (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 71: 5 MHz                                                                                                | 665.5 (133147)                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 680.5 (133297) | 695.5 (133447)  |                |
| LTE Band 71: 10 MHz                                                                                               | 668 (133172)                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 680.5 (133297) | 693 (133422)    |                |
| LTE Band 71: 15 MHz                                                                                               | 670.5 (133197)                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 680.5 (133297) | 690.5 (133397)  |                |
| LTE Band 71: 20 MHz                                                                                               | 673 (133222)                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 680.5 (133297) | 688 (133372)    |                |
| 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 (23040)                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 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 14: 5 MHz                                                                                                | 790.5 (23305)                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 793 (23330)    | 795.5 (23355)   |                |
| LTE Band 14: 10 MHz                                                                                               | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 793 (23330)    | N/A             |                |
| 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 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 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 (26663)  |                |
| LTE Band 25 (PCS): 3 MHz                                                                                          | 1851.5 (26055)                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1882.5 (26365) | 1913.5 (26655)  |                |
| LTE Band 25 (PCS): 5 MHz                                                                                          | 1852.5 (26065)                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1882.5 (26365) | 1912.5 (26645)  |                |
| 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2593 (40620)   | 2636.5 (41055)  | 2680 (41490)   |
| LTE Band 41: 10 MHz                                                                                               | 2506 (39750)                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2593 (40620)   | 2636.5 (41055)  | 2680 (41490)   |
| LTE Band 41: 15 MHz                                                                                               | 2506 (39750)                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2593 (40620)   | 2636.5 (41055)  | 2680 (41490)   |
| LTE Band 41: 20 MHz                                                                                               | 2506 (39750)                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2593 (40620)   | 2636.5 (41055)  | 2680 (41490)   |
| LTE Band 48: 5 MHz                                                                                                | 3552.5 (55265)                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3600.8 (55748) | N/A             | 3649.2 (56232) |
| LTE Band 48: 10 MHz                                                                                               | 3555 (55290)                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3601.7 (55757) | N/A             | 3648.3 (56223) |
| LTE Band 48: 15 MHz                                                                                               | 3557.5 (55315)                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3602.5 (55765) | N/A             | 3647.5 (56215) |
| LTE Band 48: 20 MHz                                                                                               | 3560 (55340)                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3603.3 (55773) | N/A             | 3646.7 (56207) |
| 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 other 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, eICIC, eMBMS, Cross-Carrier Scheduling, Enhanced SC-FDMA. |                |                 |                |

|                                         |  |                                                                                     |  |                            |  |                                 |  |
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### 3 INTRODUCTION

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 (ρ). 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:

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

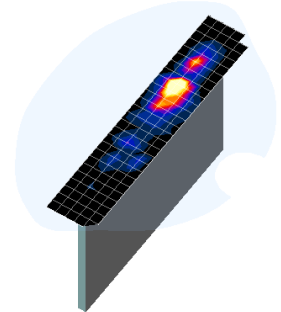
NOTE: The primary factors that control rate of energy absorption were found to be the wavelength of the incident field in relation to the dimensions and geometry of the irradiated organism, the orientation of the organism in relation to the polarity of field vectors, the presence of reflecting surfaces, 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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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                | 29.70                   | <b>26.70</b>            | 25.73                   | 24.75                   |
|                                                | 190                | 29.64                   | <b>26.61</b>            | 25.65                   | 24.66                   |
|                                                | 251                | 29.67                   | <b>26.70</b>            | 25.62                   | 24.69                   |
| 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                | 20.67                   | <b>20.68</b>            | 16.70                   | 18.73                   |
|                                                | 190                | 20.61                   | <b>20.59</b>            | 16.62                   | 18.64                   |
|                                                | 251                | 20.64                   | <b>20.68</b>            | 16.59                   | 18.67                   |
| GSM 850                                        | Frame Avg.Targets: | 19.92                   | <b>19.93</b>            | 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                           | 29.25                      | <b>26.88</b>               | 27.45                      | 26.75                      |
|                                                | 190                           | 29.13                      | <b>26.73</b>               | 27.32                      | 26.59                      |
|                                                | 251                           | 29.10                      | <b>26.67</b>               | 27.26                      | 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                           | 20.22                      | <b>20.86</b>               | 18.42                      | 20.73                      |
|                                                | 190                           | 20.10                      | <b>20.71</b>               | 18.29                      | 20.57                      |
|                                                | 251                           | 20.07                      | <b>20.65</b>               | 18.23                      | 20.49                      |
| <b>GSM 850</b>                                 | <b>Frame<br/>Avg.Targets:</b> | 19.72                      | <b>21.23</b>               | 17.97                      | 19.98                      |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
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**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                           | 23.78                      | <b>20.85</b>               | 23.19                      | 20.75                      |
|                                                | 661                           | 23.76                      | <b>20.90</b>               | 23.17                      | 20.76                      |
|                                                | 810                           | 23.76                      | <b>20.90</b>               | 23.16                      | 20.77                      |
| 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                           | 14.75                      | <b>14.83</b>               | 14.16                      | 14.73                      |
|                                                | 661                           | 14.73                      | <b>14.88</b>               | 14.14                      | 14.74                      |
|                                                | 810                           | 14.73                      | <b>14.88</b>               | 14.13                      | 14.75                      |
| <b>GSM 1900</b>                                | <b>Frame<br/>Avg.Targets:</b> | 14.22                      | <b>14.23</b>               | 13.47                      | 14.23                      |

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
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**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                           | 22.82                      | <b>19.87</b>               | 22.83                      | 19.78                      |
|                                                | 661                           | 22.79                      | <b>19.87</b>               | 22.82                      | 19.80                      |
|                                                | 810                           | 22.81                      | <b>19.88</b>               | 22.87                      | 19.79                      |
| 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                           | 13.79                      | <b>13.85</b>               | 13.80                      | 13.76                      |
|                                                | 661                           | 13.76                      | <b>13.85</b>               | 13.79                      | 13.78                      |
|                                                | 810                           | 13.78                      | <b>13.86</b>               | 13.84                      | 13.77                      |
| <b>GSM 1900</b>                                | <b>Frame<br/>Avg.Targets:</b> | 13.22                      | <b>13.23</b>               | 13.22                      | 13.23                      |

|                                                |                                                                                                   |                                   |  |                                        |
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**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                      | <b>20.26</b>               | 23.24                      | 20.15                      |
|                                                | 661                           | 23.12                      | <b>20.29</b>               | 23.26                      | 20.12                      |
|                                                | 810                           | 23.18                      | <b>20.28</b>               | 23.25                      | 20.13                      |
| 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                      | <b>14.24</b>               | 14.21                      | 14.13                      |
|                                                | 661                           | 14.09                      | <b>14.27</b>               | 14.23                      | 14.10                      |
|                                                | 810                           | 14.15                      | <b>14.26</b>               | 14.22                      | 14.11                      |
| <b>GSM 1900</b>                                | <b>Frame<br/>Avg.Targets:</b> | 13.52                      | <b>13.53</b>               | 13.52                      | 13.53                      |

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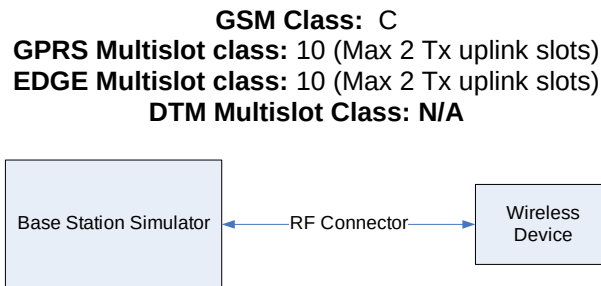
**Table 8-6**  
**Conducted Power Ant 4b**

| 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                           | 22.26                      | <b>19.32</b>               | 22.29                      | 19.32                      |
|                                                | 661                           | 22.21                      | <b>19.30</b>               | 22.28                      | 19.31                      |
|                                                | 810                           | 22.28                      | <b>19.29</b>               | 22.29                      | 19.31                      |
| 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                           | 13.23                      | <b>13.30</b>               | 13.26                      | 13.30                      |
|                                                | 661                           | 13.18                      | <b>13.28</b>               | 13.25                      | 13.29                      |
|                                                | 810                           | 13.25                      | <b>13.27</b>               | 13.26                      | 13.29                      |
| <b>GSM 1900</b>                                | <b>Frame<br/>Avg.Targets:</b> | 12.72                      | <b>12.73</b>               | 12.72                      | 12.73                      |

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
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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.



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

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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## 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       | 20.42               | 20.45 | 20.31 | -             |
| 6                    | HSDPA    | Subtest 1           | 20.47               | 20.61 | 20.52 | 0             |
| 6                    |          | Subtest 2           | 20.45               | 20.62 | 20.47 | 0             |
| 6                    |          | Subtest 3           | 20.49               | 20.69 | 20.54 | 0.5           |
| 6                    |          | Subtest 4           | 20.49               | 20.65 | 20.53 | 0.5           |
| 6                    | HSUPA    | Subtest 1           | 20.43               | 20.58 | 20.47 | 0             |
| 6                    |          | Subtest 2           | 20.45               | 20.65 | 20.51 | 2             |
| 6                    |          | Subtest 3           | 20.49               | 20.67 | 20.53 | 1             |
| 6                    |          | Subtest 4           | 20.46               | 20.65 | 20.52 | 2             |
| 6                    |          | Subtest 5           | 20.48               | 20.58 | 20.48 | 0             |
| 8                    | DC-HSDPA | Subtest 1           | 20.43               | 20.63 | 20.49 | 0             |
| 8                    |          | Subtest 2           | 20.51               | 20.66 | 20.53 | 0             |
| 8                    |          | Subtest 3           | 20.44               | 20.64 | 20.48 | 0.5           |
| 8                    |          | Subtest 4           | 20.44               | 20.60 | 20.47 | 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       | 20.82               | 20.80 | 20.81 | -             |
| 6                    | HSDPA    | Subtest 1           | 20.88               | 20.80 | 20.80 | 0             |
| 6                    |          | Subtest 2           | 20.97               | 20.83 | 20.85 | 0             |
| 6                    |          | Subtest 3           | 20.98               | 20.82 | 20.91 | 0.5           |
| 6                    |          | Subtest 4           | 20.97               | 20.89 | 20.90 | 0.5           |
| 6                    | HSUPA    | Subtest 1           | 20.87               | 20.81 | 20.82 | 0             |
| 6                    |          | Subtest 2           | 20.91               | 20.85 | 20.92 | 2             |
| 6                    |          | Subtest 3           | 20.91               | 20.86 | 20.92 | 1             |
| 6                    |          | Subtest 4           | 20.80               | 20.92 | 20.98 | 2             |
| 6                    |          | Subtest 5           | 20.82               | 20.82 | 20.82 | 0             |
| 8                    | DC-HSDPA | Subtest 1           | 20.91               | 20.83 | 20.89 | 0             |
| 8                    |          | Subtest 2           | 20.92               | 20.82 | 20.91 | 0             |
| 8                    |          | Subtest 3           | 20.85               | 20.85 | 20.90 | 0.5           |
| 8                    |          | Subtest 4           | 20.88               | 20.85 | 20.89 | 0.5           |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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**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       | 15.84          | 15.80 | 15.70 | 14.65          | 14.82 | 14.89 | -             |
| 6                    | HSDPA    | Subtest 1           | 15.77          | 15.62 | 15.46 | 14.51          | 14.73 | 14.81 | 0             |
| 6                    |          | Subtest 2           | 15.78          | 15.60 | 15.47 | 14.61          | 14.80 | 14.85 | 0             |
| 6                    |          | Subtest 3           | 15.80          | 15.64 | 15.53 | 14.62          | 14.85 | 14.90 | 0.5           |
| 6                    |          | Subtest 4           | 15.82          | 15.65 | 15.53 | 14.65          | 14.85 | 14.94 | 0.5           |
| 6                    | HSUPA    | Subtest 1           | 15.68          | 15.54 | 15.39 | 14.49          | 14.71 | 14.79 | 0             |
| 6                    |          | Subtest 2           | 15.71          | 15.58 | 15.42 | 14.65          | 14.83 | 14.87 | 2             |
| 6                    |          | Subtest 3           | 15.74          | 15.58 | 15.44 | 14.63          | 14.81 | 14.60 | 1             |
| 6                    |          | Subtest 4           | 15.70          | 15.59 | 15.45 | 14.69          | 14.91 | 14.71 | 2             |
| 6                    |          | Subtest 5           | 15.69          | 15.50 | 15.42 | 14.59          | 14.76 | 14.83 | 0             |
| 8                    | DC-HSDPA | Subtest 1           | 15.75          | 15.61 | 15.48 | 14.32          | 14.58 | 14.79 | 0             |
| 8                    |          | Subtest 2           | 15.78          | 15.60 | 15.50 | 14.41          | 14.64 | 14.84 | 0             |
| 8                    |          | Subtest 3           | 15.83          | 15.59 | 15.49 | 14.42          | 14.66 | 14.88 | 0.5           |
| 8                    |          | Subtest 4           | 15.80          | 15.58 | 15.48 | 14.48          | 14.63 | 14.86 | 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       | 15.06          | 14.70 | 14.68 | 13.45          | 13.54 | 13.90 | -             |
| 6                    | HSDPA    | Subtest 1           | 14.92          | 14.87 | 14.61 | 13.45          | 13.46 | 13.92 | 0             |
| 6                    |          | Subtest 2           | 14.91          | 14.85 | 14.66 | 13.34          | 13.56 | 13.98 | 0             |
| 6                    |          | Subtest 3           | 14.95          | 14.89 | 14.67 | 13.53          | 13.59 | 14.00 | 0.5           |
| 6                    |          | Subtest 4           | 14.95          | 14.89 | 14.68 | 13.62          | 13.61 | 13.99 | 0.5           |
| 6                    | HSUPA    | Subtest 1           | 14.89          | 14.78 | 14.62 | 13.49          | 13.47 | 13.91 | 0             |
| 6                    |          | Subtest 2           | 14.95          | 14.86 | 14.67 | 13.50          | 13.60 | 13.96 | 2             |
| 6                    |          | Subtest 3           | 14.93          | 14.84 | 14.66 | 13.51          | 13.58 | 13.93 | 1             |
| 6                    |          | Subtest 4           | 14.97          | 14.84 | 14.68 | 13.55          | 13.63 | 14.00 | 2             |
| 6                    |          | Subtest 5           | 14.85          | 14.77 | 14.65 | 13.46          | 13.48 | 13.88 | 0             |
| 8                    | DC-HSDPA | Subtest 1           | 14.92          | 14.85 | 14.65 | 13.41          | 13.46 | 13.90 | 0             |
| 8                    |          | Subtest 2           | 14.93          | 14.82 | 14.70 | 13.48          | 13.40 | 13.98 | 0             |
| 8                    |          | Subtest 3           | 14.95          | 14.87 | 14.65 | 13.54          | 13.58 | 14.00 | 0.5           |
| 8                    |          | Subtest 4           | 14.93          | 14.89 | 14.69 | 13.51          | 13.55 | 13.93 | 0.5           |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 50 of 297                  |

**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       | 14.71          | 14.77 | 14.56 | 14.73          | 14.70 | 14.75 | -             |
| 6                    | HSDPA    | Subtest 1           | 14.40          | 14.66 | 14.43 | 14.55          | 14.25 | 14.49 | 0             |
| 6                    |          | Subtest 2           | 14.42          | 14.63 | 14.47 | 14.58          | 14.28 | 14.55 | 0             |
| 6                    |          | Subtest 3           | 14.45          | 14.69 | 14.44 | 14.65          | 14.40 | 14.58 | 0.5           |
| 6                    |          | Subtest 4           | 14.46          | 14.70 | 14.47 | 14.67          | 14.46 | 14.65 | 0.5           |
| 6                    | HSUPA    | Subtest 1           | 14.34          | 14.57 | 14.37 | 14.51          | 14.42 | 14.51 | 0             |
| 6                    |          | Subtest 2           | 14.39          | 14.60 | 14.32 | 14.69          | 14.57 | 14.61 | 2             |
| 6                    |          | Subtest 3           | 14.34          | 14.63 | 14.40 | 14.67          | 14.45 | 14.63 | 1             |
| 6                    |          | Subtest 4           | 14.28          | 14.58 | 14.43 | 14.69          | 14.55 | 14.64 | 2             |
| 6                    |          | Subtest 5           | 14.33          | 14.59 | 14.28 | 14.49          | 14.38 | 14.52 | 0             |
| 8                    | DC-HSDPA | Subtest 1           | 14.35          | 14.59 | 14.37 | 14.51          | 14.32 | 14.51 | 0             |
| 8                    |          | Subtest 2           | 14.32          | 14.57 | 14.36 | 14.55          | 14.28 | 14.57 | 0             |
| 8                    |          | Subtest 3           | 14.41          | 14.59 | 14.40 | 14.56          | 14.38 | 14.60 | 0.5           |
| 8                    |          | Subtest 4           | 14.25          | 14.63 | 14.35 | 14.63          | 14.46 | 14.56 | 0.5           |

**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       | 13.48          | 13.30 | 13.20 | 13.30          | 13.25 | 13.32 | -             |
| 6                    | HSDPA    | Subtest 1           | 13.32          | 13.14 | 13.28 | 13.32          | 13.22 | 13.21 | 0             |
| 6                    |          | Subtest 2           | 13.29          | 13.07 | 13.32 | 13.40          | 13.26 | 13.27 | 0             |
| 6                    |          | Subtest 3           | 13.33          | 13.13 | 13.39 | 13.41          | 13.35 | 13.28 | 0.5           |
| 6                    |          | Subtest 4           | 13.38          | 13.14 | 13.42 | 13.42          | 13.31 | 13.33 | 0.5           |
| 6                    | HSUPA    | Subtest 1           | 13.06          | 13.07 | 13.12 | 13.10          | 13.19 | 13.17 | 0             |
| 6                    |          | Subtest 2           | 13.26          | 13.05 | 13.28 | 13.40          | 13.32 | 12.62 | 2             |
| 6                    |          | Subtest 3           | 13.18          | 12.95 | 13.19 | 13.22          | 13.13 | 13.13 | 1             |
| 6                    |          | Subtest 4           | 13.35          | 13.11 | 13.41 | 13.43          | 13.38 | 13.33 | 2             |
| 6                    |          | Subtest 5           | 13.24          | 13.09 | 13.26 | 13.31          | 13.21 | 13.19 | 0             |
| 8                    | DC-HSDPA | Subtest 1           | 13.27          | 13.17 | 13.26 | 13.26          | 13.24 | 13.11 | 0             |
| 8                    |          | Subtest 2           | 13.34          | 13.12 | 13.30 | 13.34          | 13.29 | 13.29 | 0             |
| 8                    |          | Subtest 3           | 13.37          | 13.14 | 13.35 | 13.37          | 13.24 | 13.28 | 0.5           |
| 8                    |          | Subtest 4           | 13.31          | 13.20 | 13.33 | 13.33          | 13.29 | 13.27 | 0.5           |

|                                         |                                                                                                                  |                            |  |                                 |
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| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 51 of 297                  |

#### 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**

|                                                |                                                                                                                  |                                   |                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                                    | <b>DUT Type:</b><br>Tablet Device | Page 52 of 297                         |

## 8.3 LTE Conducted Powers

### 8.3.1

### LTE Band 71

Table 8-13

LTE Band 71 Conducted Powers Ant 1 - 20 MHz Bandwidth

| LTE Band 71<br>20 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 133297<br>(680.5 MHz)    |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 22.33                    | 0                            | 0        |
|                                 | 1       | 50        | 22.17                    |                              | 0        |
|                                 | 1       | 99        | 22.30                    |                              | 0        |
|                                 | 50      | 0         | 22.17                    | 0-1                          | 0        |
|                                 | 50      | 25        | 22.16                    |                              | 0        |
|                                 | 50      | 50        | 22.26                    |                              | 0        |
| 16QAM                           | 100     | 0         | 22.25                    | 0-1                          | 0        |
|                                 | 1       | 0         | 22.16                    |                              | 0        |
|                                 | 1       | 50        | 21.95                    |                              | 0        |
|                                 | 1       | 99        | 22.14                    | 0-2                          | 0        |
|                                 | 50      | 0         | 21.71                    |                              | 0        |
|                                 | 50      | 25        | 21.67                    |                              | 0        |
| 64QAM                           | 50      | 50        | 21.75                    | 0-2                          | 0        |
|                                 | 100     | 0         | 21.75                    |                              | 0        |
|                                 | 1       | 0         | 22.30                    | 0-2                          | 0        |
|                                 | 1       | 50        | 22.14                    |                              | 0        |
|                                 | 1       | 99        | 22.29                    |                              | 0        |
|                                 | 50      | 0         | 21.40                    | 0-3                          | 0        |
| 64QAM                           | 50      | 25        | 21.40                    |                              | 0        |
|                                 | 50      | 50        | 21.49                    |                              | 0        |
|                                 | 100     | 0         | 21.51                    |                              | 0        |

Note: LTE Band 71 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 8-14

LTE Band 71 Conducted Powers Ant 1 - 15 MHz Bandwidth

| LTE Band 71<br>15 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 133297<br>(680.5 MHz)    |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 21.63                    | 0                            | 0        |
|                                 | 1       | 36        | 21.67                    |                              | 0        |
|                                 | 1       | 74        | 21.71                    |                              | 0        |
|                                 | 36      | 0         | 21.50                    | 0-1                          | 0        |
|                                 | 36      | 18        | 21.74                    |                              | 0        |
|                                 | 36      | 37        | 21.76                    |                              | 0        |
| 16QAM                           | 75      | 0         | 21.73                    | 0-1                          | 0        |
|                                 | 1       | 0         | 21.85                    |                              | 0        |
|                                 | 1       | 36        | 21.96                    |                              | 0        |
|                                 | 1       | 74        | 21.78                    | 0-2                          | 0        |
|                                 | 36      | 0         | 21.55                    |                              | 0        |
|                                 | 36      | 18        | 21.76                    |                              | 0        |
| 64QAM                           | 36      | 37        | 21.77                    | 0-2                          | 0        |
|                                 | 75      | 0         | 21.71                    |                              | 0        |
|                                 | 1       | 0         | 21.86                    | 0-2                          | 0        |
|                                 | 1       | 36        | 21.94                    |                              | 0        |
|                                 | 1       | 74        | 21.89                    |                              | 0        |
|                                 | 36      | 0         | 21.54                    | 0-3                          | 0        |
| 64QAM                           | 36      | 18        | 21.75                    |                              | 0        |
|                                 | 36      | 37        | 21.78                    |                              | 0        |
|                                 | 75      | 0         | 21.73                    |                              | 0        |

Note: LTE Band 71 at 15 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>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 53 of 297                  |

**Table 8-15**  
**LTE Band 71 Conducted Powers Ant 1 - 10 MHz Bandwidth**

| LTE Band 71<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 133172<br>(668.0 MHz) | 133297<br>(680.5 MHz) | 133422<br>(693.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 21.72                 | 21.52                 | 21.75                 | 0                            | 0        |
|                                 | 1       | 25        | 21.56                 | 21.75                 | 21.70                 |                              | 0        |
|                                 | 1       | 49        | 21.76                 | 21.74                 | 21.72                 |                              | 0        |
|                                 | 25      | 0         | 21.53                 | 21.57                 | 21.70                 | 0-1                          | 0        |
|                                 | 25      | 12        | 21.55                 | 21.75                 | 21.75                 |                              | 0        |
|                                 | 25      | 25        | 21.67                 | 21.76                 | 21.79                 |                              | 0        |
|                                 | 50      | 0         | 21.68                 | 21.77                 | 21.77                 |                              | 0        |
| 16QAM                           | 1       | 0         | 21.94                 | 21.75                 | 21.99                 | 0-1                          | 0        |
|                                 | 1       | 25        | 21.87                 | 21.94                 | 21.83                 |                              | 0        |
|                                 | 1       | 49        | 21.94                 | 21.91                 | 22.06                 |                              | 0        |
|                                 | 25      | 0         | 21.56                 | 21.58                 | 21.71                 | 0-2                          | 0        |
|                                 | 25      | 12        | 21.55                 | 21.75                 | 21.80                 |                              | 0        |
|                                 | 25      | 25        | 21.69                 | 21.80                 | 21.81                 |                              | 0        |
|                                 | 50      | 0         | 21.68                 | 21.77                 | 21.79                 |                              | 0        |
| 64QAM                           | 1       | 0         | 21.94                 | 21.79                 | 22.01                 | 0-2                          | 0        |
|                                 | 1       | 25        | 21.81                 | 22.05                 | 22.01                 |                              | 0        |
|                                 | 1       | 49        | 21.94                 | 21.96                 | 21.98                 |                              | 0        |
|                                 | 25      | 0         | 21.54                 | 21.58                 | 21.71                 | 0-3                          | 0        |
|                                 | 25      | 12        | 21.57                 | 21.79                 | 21.77                 |                              | 0        |
|                                 | 25      | 25        | 21.71                 | 21.77                 | 21.79                 |                              | 0        |
|                                 | 50      | 0         | 21.68                 | 21.80                 | 21.81                 |                              | 0        |

**Table 8-16**  
**LTE Band 71 Conducted Powers Ant 1 - 5 MHz Bandwidth**

| LTE Band 71<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 133147<br>(665.5 MHz) | 133297<br>(680.5 MHz) | 133447<br>(695.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 21.89                 | 21.78                 | 21.73                 | 0                            | 0        |
|                                | 1       | 12        | 21.69                 | 21.97                 | 21.76                 |                              | 0        |
|                                | 1       | 24        | 21.69                 | 21.98                 | 21.74                 |                              | 0        |
|                                | 12      | 0         | 21.76                 | 21.80                 | 21.74                 | 0-1                          | 0        |
|                                | 12      | 6         | 21.62                 | 21.81                 | 21.81                 |                              | 0        |
|                                | 12      | 13        | 21.62                 | 21.83                 | 21.84                 |                              | 0        |
|                                | 25      | 0         | 21.65                 | 21.82                 | 21.80                 |                              | 0        |
| 16QAM                          | 1       | 0         | 22.16                 | 21.90                 | 21.95                 | 0-1                          | 0        |
|                                | 1       | 12        | 21.91                 | 22.10                 | 21.94                 |                              | 0        |
|                                | 1       | 24        | 21.93                 | 22.01                 | 21.94                 |                              | 0        |
|                                | 12      | 0         | 21.77                 | 21.83                 | 21.80                 | 0-2                          | 0        |
|                                | 12      | 6         | 21.68                 | 21.91                 | 21.88                 |                              | 0        |
|                                | 12      | 13        | 21.67                 | 21.95                 | 21.92                 |                              | 0        |
|                                | 25      | 0         | 21.67                 | 21.87                 | 21.81                 |                              | 0        |
| 64QAM                          | 1       | 0         | 22.11                 | 21.92                 | 21.92                 | 0-2                          | 0        |
|                                | 1       | 12        | 21.89                 | 22.04                 | 21.98                 |                              | 0        |
|                                | 1       | 24        | 21.91                 | 22.11                 | 21.85                 |                              | 0        |
|                                | 12      | 0         | 21.78                 | 21.90                 | 21.81                 | 0-3                          | 0        |
|                                | 12      | 6         | 21.69                 | 21.91                 | 21.87                 |                              | 0        |
|                                | 12      | 13        | 21.64                 | 21.92                 | 21.90                 |                              | 0        |
|                                | 25      | 0         | 21.60                 | 21.85                 | 21.83                 |                              | 0        |

|                                         |                                                                                                                  |                            |  |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|--|---------------------------------|
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| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  |  | Page 54 of 297                  |

**Table 8-17**  
**LTE Band 71 Conducted Powers Ant 3 - 20 MHz Bandwidth**

| LTE Band 71<br>20 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 133297<br>(680.5 MHz)    |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 23.00                    | 0                            | 0        |
|                                 | 1       | 50        | 22.85                    |                              | 0        |
|                                 | 1       | 99        | 22.99                    |                              | 0        |
|                                 | 50      | 0         | 23.00                    | 0-1                          | 0        |
|                                 | 50      | 25        | 22.97                    |                              | 0        |
|                                 | 50      | 50        | 23.00                    |                              | 0        |
|                                 | 100     | 0         | 22.99                    |                              | 0        |
| 16QAM                           | 1       | 0         | 23.00                    | 0-1                          | 0        |
|                                 | 1       | 50        | 22.86                    |                              | 0        |
|                                 | 1       | 99        | 23.00                    |                              | 0        |
|                                 | 50      | 0         | 22.71                    | 0-2                          | 0        |
|                                 | 50      | 25        | 22.70                    |                              | 0        |
|                                 | 50      | 50        | 22.91                    |                              | 0        |
|                                 | 100     | 0         | 22.78                    |                              | 0        |
| 64QAM                           | 1       | 0         | 23.00                    | 0-2                          | 0        |
|                                 | 1       | 50        | 22.66                    |                              | 0        |
|                                 | 1       | 99        | 23.00                    |                              | 0        |
|                                 | 50      | 0         | 22.71                    | 0-3                          | 0        |
|                                 | 50      | 25        | 22.67                    |                              | 0        |
|                                 | 50      | 50        | 22.89                    |                              | 0        |
|                                 | 100     | 0         | 22.76                    |                              | 0        |

**Note: LTE Band 71 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 8-18**  
**LTE Band 71 Conducted Powers Ant 3 - 15 MHz Bandwidth**

| LTE Band 71<br>15 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 133297<br>(680.5 MHz)    |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 22.84                    | 0                            | 0        |
|                                 | 1       | 36        | 22.75                    |                              | 0        |
|                                 | 1       | 74        | 22.90                    |                              | 0        |
|                                 | 36      | 0         | 22.68                    | 0-1                          | 0        |
|                                 | 36      | 18        | 22.81                    |                              | 0        |
|                                 | 36      | 37        | 22.99                    |                              | 0        |
|                                 | 75      | 0         | 22.82                    |                              | 0        |
| 16QAM                           | 1       | 0         | 22.91                    | 0-1                          | 0        |
|                                 | 1       | 36        | 22.86                    |                              | 0        |
|                                 | 1       | 74        | 22.93                    |                              | 0        |
|                                 | 36      | 0         | 22.67                    | 0-2                          | 0        |
|                                 | 36      | 18        | 22.79                    |                              | 0        |
|                                 | 36      | 37        | 22.99                    |                              | 0        |
|                                 | 75      | 0         | 22.81                    |                              | 0        |
| 64QAM                           | 1       | 0         | 22.92                    | 0-2                          | 0        |
|                                 | 1       | 36        | 22.88                    |                              | 0        |
|                                 | 1       | 74        | 23.00                    |                              | 0        |
|                                 | 36      | 0         | 22.68                    | 0-3                          | 0        |
|                                 | 36      | 18        | 22.81                    |                              | 0        |
|                                 | 36      | 37        | 23.00                    |                              | 0        |
|                                 | 75      | 0         | 22.77                    |                              | 0        |

**Note: LTE Band 71 at 15 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>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   | Page 55 of 297                  |

**Table 8-19**  
**LTE Band 71 Conducted Powers Ant 3 - 10 MHz Bandwidth**

| LTE Band 71<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 133172<br>(668.0 MHz) | 133297<br>(680.5 MHz) | 133422<br>(693.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 22.93                 | 22.71                 | 22.82                 | 0                            | 0        |
|                                 | 1       | 25        | 22.81                 | 22.81                 | 22.71                 |                              | 0        |
|                                 | 1       | 49        | 22.94                 | 22.98                 | 22.93                 |                              | 0        |
|                                 | 25      | 0         | 22.58                 | 22.70                 | 22.68                 | 0-1                          | 0        |
|                                 | 25      | 12        | 22.62                 | 22.80                 | 22.77                 |                              | 0        |
|                                 | 25      | 25        | 22.78                 | 22.91                 | 22.90                 |                              | 0        |
|                                 | 50      | 0         | 22.71                 | 22.82                 | 22.79                 |                              | 0        |
| 16QAM                           | 1       | 0         | 22.89                 | 23.00                 | 22.84                 | 0-1                          | 0        |
|                                 | 1       | 25        | 22.82                 | 22.96                 | 22.91                 |                              | 0        |
|                                 | 1       | 49        | 22.96                 | 23.00                 | 23.00                 |                              | 0        |
|                                 | 25      | 0         | 22.58                 | 22.68                 | 22.68                 | 0-2                          | 0        |
|                                 | 25      | 12        | 22.60                 | 22.85                 | 22.75                 |                              | 0        |
|                                 | 25      | 25        | 22.79                 | 22.96                 | 22.84                 |                              | 0        |
|                                 | 50      | 0         | 22.69                 | 22.80                 | 22.80                 |                              | 0        |
| 64QAM                           | 1       | 0         | 22.96                 | 22.92                 | 22.97                 | 0-2                          | 0        |
|                                 | 1       | 25        | 22.88                 | 22.90                 | 22.95                 |                              | 0        |
|                                 | 1       | 49        | 22.95                 | 23.00                 | 23.00                 |                              | 0        |
|                                 | 25      | 0         | 22.54                 | 22.68                 | 22.70                 | 0-3                          | 0        |
|                                 | 25      | 12        | 22.61                 | 22.85                 | 22.75                 |                              | 0        |
|                                 | 25      | 25        | 22.77                 | 22.96                 | 22.88                 |                              | 0        |
|                                 | 50      | 0         | 22.71                 | 22.80                 | 22.80                 |                              | 0        |

**Table 8-20**  
**LTE Band 71 Conducted Powers Ant 3 - 5 MHz Bandwidth**

| LTE Band 71<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 133147<br>(665.5 MHz) | 133297<br>(680.5 MHz) | 133447<br>(695.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 22.88                 | 22.74                 | 22.56                 | 0                            | 0        |
|                                | 1       | 12        | 22.76                 | 22.84                 | 22.75                 |                              | 0        |
|                                | 1       | 24        | 22.99                 | 23.00                 | 22.57                 |                              | 0        |
|                                | 12      | 0         | 22.53                 | 22.73                 | 22.72                 | 0-1                          | 0        |
|                                | 12      | 6         | 22.57                 | 22.83                 | 22.81                 |                              | 0        |
|                                | 12      | 13        | 22.73                 | 22.94                 | 22.54                 |                              | 0        |
| 16QAM                          | 25      | 0         | 22.66                 | 22.85                 | 22.53                 | 0-1                          | 0        |
|                                | 1       | 0         | 22.84                 | 22.90                 | 22.58                 |                              | 0        |
|                                | 1       | 12        | 22.77                 | 22.91                 | 22.94                 |                              | 0        |
|                                | 1       | 24        | 22.91                 | 23.00                 | 22.81                 | 0-2                          | 0        |
|                                | 12      | 0         | 22.53                 | 22.63                 | 22.72                 |                              | 0        |
|                                | 12      | 6         | 22.55                 | 22.80                 | 22.25                 |                              | 0        |
| 64QAM                          | 12      | 13        | 22.72                 | 22.91                 | 22.34                 | 0-2                          | 0        |
|                                | 25      | 0         | 22.62                 | 22.75                 | 22.30                 |                              | 0        |
|                                | 1       | 0         | 22.99                 | 22.97                 | 22.67                 |                              | 0-2      |
|                                | 1       | 12        | 22.81                 | 22.95                 | 22.65                 | 0                            |          |
|                                | 1       | 24        | 22.98                 | 23.00                 | 22.85                 | 0                            |          |
|                                | 12      | 0         | 22.47                 | 22.63                 | 22.20                 | 0-3                          | 0        |
| 12                             | 6       | 22.54     | 22.80                 | 22.25                 | 0                     |                              |          |
| 12                             | 13      | 22.70     | 22.91                 | 22.38                 | 0                     |                              |          |
|                                | 25      | 0         | 22.64                 | 22.75                 | 22.30                 |                              | 0        |

|                                         |                                                                                                   |                              |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   | Page 56 of 297                  |

### 8.3.2

### LTE Band 12

**Table 8-21**  
**LTE Band 12 Conducted Powers Ant 1 - 10 MHz Bandwidth**

| LTE Band 12<br>10 MHz Bandwidth |         |           |                                     |                              |          |
|---------------------------------|---------|-----------|-------------------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel<br>23095<br>(707.5 MHz) | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | Conducted Power<br>[dBm]            |                              |          |
| QPSK                            | 1       | 0         | 21.16                               | 0                            | 0        |
|                                 | 1       | 25        | 20.83                               |                              | 0        |
|                                 | 1       | 49        | 20.94                               |                              | 0        |
|                                 | 25      | 0         | 20.89                               | 0-1                          | 0        |
|                                 | 25      | 12        | 20.86                               |                              | 0        |
|                                 | 25      | 25        | 20.85                               |                              | 0        |
|                                 | 50      | 0         | 20.84                               |                              | 0        |
| 16QAM                           | 1       | 0         | 21.15                               | 0-1                          | 0        |
|                                 | 1       | 25        | 20.86                               |                              | 0        |
|                                 | 1       | 49        | 20.93                               |                              | 0        |
|                                 | 25      | 0         | 20.70                               | 0-2                          | 0        |
|                                 | 25      | 12        | 20.64                               |                              | 0        |
|                                 | 25      | 25        | 20.60                               |                              | 0        |
|                                 | 50      | 0         | 20.62                               |                              | 0        |
| 64QAM                           | 1       | 0         | 21.30                               | 0-2                          | 0        |
|                                 | 1       | 25        | 21.30                               |                              | 0        |
|                                 | 1       | 49        | 21.10                               |                              | 0        |
|                                 | 25      | 0         | 20.95                               | 0-3                          | 0        |
|                                 | 25      | 12        | 20.88                               |                              | 0        |
|                                 | 25      | 25        | 20.85                               |                              | 0        |
|                                 | 50      | 0         | 20.93                               |                              | 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 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         | 20.67                 | 20.74                | 20.64                | 0                            | 0        |
|                                | 1       | 12        | 20.78                 | 20.68                | 20.71                |                              | 0        |
|                                | 1       | 24        | 20.75                 | 20.73                | 20.71                |                              | 0        |
|                                | 12      | 0         | 20.85                 | 20.66                | 20.82                | 0-1                          | 0        |
|                                | 12      | 6         | 20.86                 | 20.64                | 20.83                |                              | 0        |
|                                | 12      | 13        | 20.87                 | 20.61                | 20.85                |                              | 0        |
| 16QAM                          | 25      | 0         | 20.86                 | 20.64                | 20.84                | 0                            |          |
|                                | 1       | 0         | 20.93                 | 20.94                | 20.78                | 0-1                          | 0        |
|                                | 1       | 12        | 21.02                 | 20.92                | 20.85                |                              | 0        |
|                                | 1       | 24        | 21.03                 | 20.88                | 20.95                |                              | 0        |
|                                | 12      | 0         | 20.91                 | 20.77                | 20.87                | 0-2                          | 0        |
|                                | 12      | 6         | 20.87                 | 20.76                | 20.87                |                              | 0        |
| 12                             | 13      | 20.90     | 20.73                 | 20.90                | 0                    |                              |          |
| 64QAM                          | 25      | 0         | 20.93                 | 20.72                | 20.91                | 0                            |          |
|                                | 1       | 0         | 20.90                 | 20.95                | 20.83                | 0-2                          | 0        |
|                                | 1       | 12        | 20.98                 | 20.86                | 20.90                |                              | 0        |
|                                | 1       | 24        | 21.04                 | 20.84                | 20.91                |                              | 0        |
|                                | 12      | 0         | 20.92                 | 20.76                | 20.82                | 0-3                          | 0        |
|                                | 12      | 6         | 20.89                 | 20.76                | 20.85                |                              | 0        |
| 12                             | 13      | 20.92     | 20.71                 | 20.84                | 0                    |                              |          |
|                                | 25      | 0         | 20.91                 | 20.67                | 20.90                | 0                            |          |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 57 of 297                  |

**Table 8-23**  
**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         | 20.68                 | 20.56                | 20.74                | 0                            | 0        |
|                                | 1       | 7         | 20.84                 | 20.60                | 20.83                |                              | 0        |
|                                | 1       | 14        | 20.79                 | 20.54                | 20.65                |                              | 0        |
|                                | 8       | 0         | 20.83                 | 20.69                | 20.90                | 0-1                          | 0        |
|                                | 8       | 4         | 20.92                 | 20.65                | 20.90                |                              | 0        |
|                                | 8       | 7         | 20.93                 | 20.66                | 20.87                |                              | 0        |
| 15                             | 0       | 20.93     | 20.69                 | 20.93                | 0                    |                              |          |
| 16QAM                          | 1       | 0         | 20.87                 | 20.73                | 20.87                | 0-1                          | 0        |
|                                | 1       | 7         | 21.03                 | 20.99                | 20.88                |                              | 0        |
|                                | 1       | 14        | 21.16                 | 20.85                | 20.80                |                              | 0        |
|                                | 8       | 0         | 20.94                 | 20.78                | 20.90                | 0-2                          | 0        |
|                                | 8       | 4         | 20.99                 | 20.73                | 20.99                |                              | 0        |
|                                | 8       | 7         | 21.00                 | 20.73                | 20.94                |                              | 0        |
| 15                             | 0       | 20.97     | 20.71                 | 20.94                | 0                    |                              |          |
| 64QAM                          | 1       | 0         | 20.86                 | 20.82                | 20.84                | 0-2                          | 0        |
|                                | 1       | 7         | 21.12                 | 20.77                | 20.96                |                              | 0        |
|                                | 1       | 14        | 20.96                 | 20.81                | 20.70                |                              | 0        |
|                                | 8       | 0         | 20.87                 | 20.78                | 20.96                | 0-3                          | 0        |
|                                | 8       | 4         | 21.04                 | 20.74                | 20.89                |                              | 0        |
|                                | 8       | 7         | 20.96                 | 20.77                | 20.96                |                              | 0        |
| 15                             | 0       | 21.01     | 20.71                 | 20.96                | 0                    |                              |          |

**Table 8-24**  
**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         | 20.70                 | 20.61                | 21.02                | 0                            | 0        |
|                                  | 1       | 2         | 20.74                 | 20.58                | 20.95                |                              | 0        |
|                                  | 1       | 5         | 20.84                 | 20.59                | 20.88                |                              | 0        |
|                                  | 3       | 0         | 20.77                 | 20.70                | 20.83                |                              | 0        |
|                                  | 3       | 2         | 20.82                 | 20.67                | 20.84                |                              | 0        |
|                                  | 3       | 3         | 20.80                 | 20.68                | 20.85                |                              | 0        |
|                                  | 6       | 0         | 20.81                 | 20.66                | 20.85                | 0-1                          | 0        |
| 16QAM                            | 1       | 0         | 20.95                 | 20.74                | 21.10                | 0-1                          | 0        |
|                                  | 1       | 2         | 20.97                 | 20.87                | 21.03                |                              | 0        |
|                                  | 1       | 5         | 20.97                 | 20.96                | 21.03                |                              | 0        |
|                                  | 3       | 0         | 20.92                 | 20.78                | 20.94                |                              | 0        |
|                                  | 3       | 2         | 20.91                 | 20.74                | 20.95                |                              | 0        |
|                                  | 3       | 3         | 20.99                 | 20.79                | 20.95                |                              | 0        |
|                                  | 6       | 0         | 20.90                 | 20.75                | 20.96                | 0-2                          | 0        |
| 64QAM                            | 1       | 0         | 21.06                 | 20.84                | 21.14                | 0-2                          | 0        |
|                                  | 1       | 2         | 20.94                 | 20.70                | 20.98                |                              | 0        |
|                                  | 1       | 5         | 21.07                 | 20.71                | 20.97                |                              | 0        |
|                                  | 3       | 0         | 20.94                 | 20.84                | 21.03                |                              | 0        |
|                                  | 3       | 2         | 20.99                 | 20.69                | 20.97                |                              | 0        |
|                                  | 3       | 3         | 20.97                 | 20.75                | 20.94                |                              | 0        |
|                                  | 6       | 0         | 20.91                 | 20.75                | 20.93                | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |  |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  |  | Page 58 of 297                  |

**Table 8-25**  
**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         | 18.22                    | 0                            | 0        |
|                                 | 1       | 25        | 18.00                    |                              | 0        |
|                                 | 1       | 49        | 18.25                    |                              | 0        |
|                                 | 25      | 0         | 18.18                    | 0-1                          | 0        |
|                                 | 25      | 12        | 18.03                    |                              | 0        |
|                                 | 25      | 25        | 18.14                    |                              | 0        |
|                                 | 50      | 0         | 18.09                    |                              | 0        |
| 16QAM                           | 1       | 0         | 18.05                    | 0-1                          | 0        |
|                                 | 1       | 25        | 17.84                    |                              | 0        |
|                                 | 1       | 49        | 18.00                    |                              | 0        |
|                                 | 25      | 0         | 17.63                    | 0-2                          | 0        |
|                                 | 25      | 12        | 17.60                    |                              | 0        |
|                                 | 25      | 25        | 17.60                    |                              | 0        |
|                                 | 50      | 0         | 17.58                    |                              | 0        |
| 64QAM                           | 1       | 0         | 18.03                    | 0-2                          | 0        |
|                                 | 1       | 25        | 17.78                    |                              | 0        |
|                                 | 1       | 49        | 17.96                    |                              | 0        |
|                                 | 25      | 0         | 17.60                    | 0-3                          | 0        |
|                                 | 25      | 12        | 17.59                    |                              | 0        |
|                                 | 25      | 25        | 17.59                    |                              | 0        |
|                                 | 50      | 0         | 17.57                    |                              | 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 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         | 17.91                 | 17.85                | 17.97                | 0                            | 0        |
|                                | 1       | 12        | 17.98                 | 17.79                | 18.07                |                              | 0        |
|                                | 1       | 24        | 17.93                 | 17.83                | 18.15                |                              | 0        |
|                                | 12      | 0         | 18.04                 | 17.87                | 17.95                | 0-1                          | 0        |
|                                | 12      | 6         | 18.04                 | 17.85                | 17.97                |                              | 0        |
|                                | 12      | 13        | 18.05                 | 17.83                | 18.01                |                              | 0        |
|                                | 25      | 0         | 18.09                 | 17.86                | 17.99                |                              | 0        |
| 16QAM                          | 1       | 0         | 17.92                 | 18.09                | 17.95                | 0-1                          | 0        |
|                                | 1       | 12        | 18.11                 | 17.93                | 18.23                |                              | 0        |
|                                | 1       | 24        | 18.08                 | 17.90                | 18.25                |                              | 0        |
|                                | 12      | 0         | 17.89                 | 17.74                | 17.73                | 0-2                          | 0        |
|                                | 12      | 6         | 17.89                 | 17.72                | 17.81                |                              | 0        |
|                                | 12      | 13        | 17.87                 | 17.69                | 17.76                |                              | 0        |
|                                | 25      | 0         | 17.91                 | 17.72                | 17.81                |                              | 0        |
| 64QAM                          | 1       | 0         | 17.83                 | 18.08                | 17.81                | 0-2                          | 0        |
|                                | 1       | 12        | 17.99                 | 17.81                | 17.97                |                              | 0        |
|                                | 1       | 24        | 17.97                 | 17.85                | 18.03                |                              | 0        |
|                                | 12      | 0         | 17.79                 | 17.77                | 17.72                | 0-3                          | 0        |
|                                | 12      | 6         | 17.77                 | 17.69                | 17.74                |                              | 0        |
|                                | 12      | 13        | 17.78                 | 17.67                | 17.80                |                              | 0        |
|                                | 25      | 0         | 17.72                 | 17.68                | 17.72                |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 59 of 297                  |

**Table 8-27**  
**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         | 17.99                 | 17.79                | 18.02                | 0                            | 0        |
|                                | 1       | 7         | 18.13                 | 17.86                | 18.09                |                              | 0        |
|                                | 1       | 14        | 18.06                 | 17.80                | 17.94                |                              | 0        |
|                                | 8       | 0         | 18.13                 | 17.92                | 18.16                | 0-1                          | 0        |
|                                | 8       | 4         | 18.15                 | 17.93                | 18.17                |                              | 0        |
|                                | 8       | 7         | 18.15                 | 17.94                | 18.12                |                              | 0        |
|                                | 15      | 0         | 18.18                 | 17.94                | 18.19                |                              | 0        |
| 16QAM                          | 1       | 0         | 17.99                 | 18.09                | 18.19                | 0-1                          | 0        |
|                                | 1       | 7         | 18.09                 | 18.02                | 18.30                |                              | 0        |
|                                | 1       | 14        | 18.08                 | 18.01                | 17.89                |                              | 0        |
|                                | 8       | 0         | 17.99                 | 17.69                | 17.99                | 0-2                          | 0        |
|                                | 8       | 4         | 18.00                 | 17.70                | 17.98                |                              | 0        |
|                                | 8       | 7         | 18.03                 | 17.76                | 17.91                |                              | 0        |
|                                | 15      | 0         | 18.01                 | 17.73                | 17.92                |                              | 0        |
| 64QAM                          | 1       | 0         | 17.88                 | 17.90                | 18.00                | 0-2                          | 0        |
|                                | 1       | 7         | 18.09                 | 17.93                | 18.15                |                              | 0        |
|                                | 1       | 14        | 18.06                 | 17.89                | 18.00                |                              | 0        |
|                                | 8       | 0         | 17.80                 | 17.73                | 17.90                | 0-3                          | 0        |
|                                | 8       | 4         | 17.87                 | 17.74                | 17.93                |                              | 0        |
|                                | 8       | 7         | 17.84                 | 17.72                | 17.91                |                              | 0        |
|                                | 15      | 0         | 17.86                 | 17.71                | 17.92                |                              | 0        |

**Table 8-28**  
**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         | 18.03                 | 17.85                | 18.24                | 0                            | 0        |
|                                  | 1       | 2         | 18.08                 | 17.83                | 18.17                |                              | 0        |
|                                  | 1       | 5         | 18.14                 | 17.86                | 18.14                |                              | 0        |
|                                  | 3       | 0         | 18.06                 | 17.93                | 18.08                |                              | 0        |
|                                  | 3       | 2         | 18.12                 | 17.95                | 18.10                |                              | 0        |
|                                  | 3       | 3         | 18.13                 | 17.95                | 18.08                |                              | 0        |
|                                  | 6       | 0         | 18.11                 | 17.94                | 18.06                | 0-1                          | 0        |
| 16QAM                            | 1       | 0         | 18.01                 | 18.05                | 18.11                | 0-1                          | 0        |
|                                  | 1       | 2         | 18.16                 | 18.12                | 18.12                |                              | 0        |
|                                  | 1       | 5         | 18.29                 | 18.01                | 18.08                |                              | 0        |
|                                  | 3       | 0         | 18.00                 | 17.89                | 18.03                |                              | 0        |
|                                  | 3       | 2         | 18.16                 | 17.85                | 18.01                |                              | 0        |
|                                  | 3       | 3         | 18.07                 | 17.89                | 18.08                |                              | 0        |
|                                  | 6       | 0         | 18.02                 | 17.85                | 17.94                | 0-2                          | 0        |
| 64QAM                            | 1       | 0         | 17.95                 | 17.78                | 18.05                | 0-2                          | 0        |
|                                  | 1       | 2         | 18.00                 | 17.81                | 17.98                |                              | 0        |
|                                  | 1       | 5         | 18.11                 | 17.67                | 17.99                |                              | 0        |
|                                  | 3       | 0         | 17.78                 | 17.66                | 17.86                |                              | 0        |
|                                  | 3       | 2         | 17.83                 | 17.69                | 17.86                |                              | 0        |
|                                  | 3       | 3         | 17.84                 | 17.69                | 17.87                |                              | 0        |
|                                  | 6       | 0         | 17.77                 | 17.61                | 17.75                | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |  |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  |  | Page 60 of 297                  |

**Table 8-29**  
**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         | 21.68                    | 0                            | 0        |
|                                 | 1       | 25        | 21.54                    |                              | 0        |
|                                 | 1       | 49        | 21.52                    |                              | 0        |
|                                 | 25      | 0         | 21.68                    | 0-1                          | 0        |
|                                 | 25      | 12        | 21.56                    |                              | 0        |
|                                 | 25      | 25        | 21.44                    |                              | 0        |
|                                 | 50      | 0         | 21.57                    |                              | 0        |
| 16QAM                           | 1       | 0         | 21.66                    | 0-1                          | 0        |
|                                 | 1       | 25        | 21.56                    |                              | 0        |
|                                 | 1       | 49        | 21.54                    |                              | 0        |
|                                 | 25      | 0         | 21.48                    | 0-2                          | 0        |
|                                 | 25      | 12        | 21.36                    |                              | 0        |
|                                 | 25      | 25        | 21.22                    |                              | 0        |
|                                 | 50      | 0         | 21.36                    |                              | 0        |
| 64QAM                           | 1       | 0         | 21.60                    | 0-2                          | 0        |
|                                 | 1       | 25        | 21.42                    |                              | 0        |
|                                 | 1       | 49        | 21.43                    |                              | 0        |
|                                 | 25      | 0         | 21.45                    | 0-3                          | 0        |
|                                 | 25      | 12        | 21.36                    |                              | 0        |
|                                 | 25      | 25        | 21.20                    |                              | 0        |
|                                 | 50      | 0         | 21.36                    |                              | 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 8-30**  
**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                 | 21.38                | 21.26                | 0                            | 0        |
|                                | 1       | 12        | 21.45                 | 21.28                | 21.34                |                              | 0        |
|                                | 1       | 24        | 21.50                 | 21.27                | 21.43                |                              | 0        |
|                                | 12      | 0         | 21.37                 | 21.44                | 21.35                | 0-1                          | 0        |
|                                | 12      | 6         | 21.43                 | 21.34                | 21.48                |                              | 0        |
|                                | 12      | 13        | 21.44                 | 21.31                | 21.57                |                              | 0        |
|                                | 25      | 0         | 21.45                 | 21.35                | 21.49                |                              | 0        |
| 16QAM                          | 1       | 0         | 21.56                 | 21.60                | 21.50                | 0-1                          | 0        |
|                                | 1       | 12        | 21.59                 | 21.58                | 21.53                |                              | 0        |
|                                | 1       | 24        | 21.65                 | 21.52                | 21.59                |                              | 0        |
|                                | 12      | 0         | 21.40                 | 21.48                | 21.39                | 0-2                          | 0        |
|                                | 12      | 6         | 21.48                 | 21.37                | 21.52                |                              | 0        |
|                                | 12      | 13        | 21.50                 | 21.34                | 21.58                |                              | 0        |
|                                | 25      | 0         | 21.47                 | 21.38                | 21.55                |                              | 0        |
| 64QAM                          | 1       | 0         | 21.64                 | 21.56                | 21.61                | 0-2                          | 0        |
|                                | 1       | 12        | 21.70                 | 21.40                | 21.70                |                              | 0        |
|                                | 1       | 24        | 21.72                 | 21.50                | 21.77                |                              | 0        |
|                                | 12      | 0         | 21.44                 | 21.51                | 21.41                | 0-3                          | 0        |
|                                | 12      | 6         | 21.45                 | 21.40                | 21.50                |                              | 0        |
|                                | 12      | 13        | 21.49                 | 21.38                | 21.61                |                              | 0        |
|                                | 25      | 0         | 21.52                 | 21.39                | 21.52                |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 61 of 297                  |

**Table 8-31**  
**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         | 21.28                 | 21.35                | 21.36                | 0                            | 0        |
|                                | 1       | 7         | 21.36                 | 21.31                | 21.54                |                              | 0        |
|                                | 1       | 14        | 21.39                 | 21.22                | 21.37                |                              | 0        |
|                                | 8       | 0         | 21.42                 | 21.48                | 21.54                | 0-1                          | 0        |
|                                | 8       | 4         | 21.43                 | 21.37                | 21.61                |                              | 0        |
|                                | 8       | 7         | 21.53                 | 21.36                | 21.56                |                              | 0        |
|                                | 15      | 0         | 21.47                 | 21.41                | 21.63                |                              | 0        |
| 16QAM                          | 1       | 0         | 21.48                 | 21.49                | 21.50                | 0-1                          | 0        |
|                                | 1       | 7         | 21.56                 | 21.49                | 21.52                |                              | 0        |
|                                | 1       | 14        | 21.54                 | 21.37                | 21.48                |                              | 0        |
|                                | 8       | 0         | 21.46                 | 21.54                | 21.55                | 0-2                          | 0        |
|                                | 8       | 4         | 21.49                 | 21.45                | 21.66                |                              | 0        |
|                                | 8       | 7         | 21.56                 | 21.41                | 21.62                |                              | 0        |
|                                | 15      | 0         | 21.51                 | 21.42                | 21.67                |                              | 0        |
| 64QAM                          | 1       | 0         | 21.57                 | 21.59                | 21.76                | 0-2                          | 0        |
|                                | 1       | 7         | 21.69                 | 21.60                | 21.75                |                              | 0        |
|                                | 1       | 14        | 21.73                 | 21.38                | 21.77                |                              | 0        |
|                                | 8       | 0         | 21.49                 | 21.50                | 21.64                | 0-3                          | 0        |
|                                | 8       | 4         | 21.50                 | 21.52                | 21.71                |                              | 0        |
|                                | 8       | 7         | 21.57                 | 21.43                | 21.64                |                              | 0        |
|                                | 15      | 0         | 21.54                 | 21.42                | 21.67                |                              | 0        |

**Table 8-32**  
**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         | 21.36                 | 21.31                | 21.70                | 0                            | 0        |
|                                  | 1       | 2         | 21.32                 | 21.30                | 21.61                |                              | 0        |
|                                  | 1       | 5         | 21.33                 | 21.32                | 21.60                |                              | 0        |
|                                  | 3       | 0         | 21.41                 | 21.38                | 21.52                |                              | 0        |
|                                  | 3       | 2         | 21.41                 | 21.36                | 21.51                |                              | 0        |
|                                  | 3       | 3         | 21.40                 | 21.39                | 21.51                |                              | 0        |
|                                  | 6       | 0         | 21.39                 | 21.37                | 21.53                | 0-1                          | 0        |
| 16QAM                            | 1       | 0         | 21.49                 | 21.46                | 21.67                | 0-1                          | 0        |
|                                  | 1       | 2         | 21.63                 | 21.45                | 21.65                |                              | 0        |
|                                  | 1       | 5         | 21.66                 | 21.48                | 21.72                |                              | 0        |
|                                  | 3       | 0         | 21.52                 | 21.49                | 21.62                |                              | 0        |
|                                  | 3       | 2         | 21.47                 | 21.51                | 21.61                |                              | 0        |
|                                  | 3       | 3         | 21.48                 | 21.51                | 21.53                |                              | 0        |
|                                  | 6       | 0         | 21.46                 | 21.43                | 21.61                | 0-2                          | 0        |
| 64QAM                            | 1       | 0         | 21.66                 | 21.55                | 21.80                | 0-2                          | 0        |
|                                  | 1       | 2         | 21.53                 | 21.60                | 21.70                |                              | 0        |
|                                  | 1       | 5         | 21.44                 | 21.53                | 21.64                |                              | 0        |
|                                  | 3       | 0         | 21.49                 | 21.43                | 21.70                |                              | 0        |
|                                  | 3       | 2         | 21.45                 | 21.46                | 21.59                |                              | 0        |
|                                  | 3       | 3         | 21.49                 | 21.46                | 21.69                |                              | 0        |
|                                  | 6       | 0         | 21.45                 | 21.52                | 21.55                | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |  |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  |  | Page 62 of 297                  |

**Table 8-33**  
**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         | 18.61                    | 0                            | 0        |
|                                 | 1       | 25        | 18.49                    |                              | 0        |
|                                 | 1       | 49        | 18.48                    |                              | 0        |
|                                 | 25      | 0         | 18.52                    | 0-1                          | 0        |
|                                 | 25      | 12        | 18.56                    |                              | 0        |
|                                 | 25      | 25        | 18.45                    |                              | 0        |
|                                 | 50      | 0         | 18.51                    |                              | 0        |
| 16QAM                           | 1       | 0         | 18.53                    | 0-1                          | 0        |
|                                 | 1       | 25        | 18.24                    |                              | 0        |
|                                 | 1       | 49        | 18.41                    |                              | 0        |
|                                 | 25      | 0         | 18.34                    | 0-2                          | 0        |
|                                 | 25      | 12        | 18.38                    |                              | 0        |
|                                 | 25      | 25        | 18.24                    |                              | 0        |
|                                 | 50      | 0         | 18.35                    |                              | 0        |
| 64QAM                           | 1       | 0         | 18.79                    | 0-2                          | 0        |
|                                 | 1       | 25        | 18.45                    |                              | 0        |
|                                 | 1       | 49        | 18.74                    |                              | 0        |
|                                 | 25      | 0         | 18.32                    | 0-3                          | 0        |
|                                 | 25      | 12        | 18.33                    |                              | 0        |
|                                 | 25      | 25        | 18.20                    |                              | 0        |
|                                 | 50      | 0         | 18.36                    |                              | 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 8-34**  
**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         | 18.30                 | 18.41                | 18.09                | 0                            | 0        |
|                                | 1       | 12        | 18.45                 | 18.39                | 18.33                |                              | 0        |
|                                | 1       | 24        | 18.42                 | 18.26                | 18.42                |                              | 0        |
|                                | 12      | 0         | 18.46                 | 18.31                | 18.33                | 0-1                          | 0        |
|                                | 12      | 6         | 18.50                 | 18.35                | 18.43                |                              | 0        |
|                                | 12      | 13        | 18.50                 | 18.22                | 18.54                |                              | 0        |
| 16QAM                          | 25      | 0         | 18.51                 | 18.35                | 18.45                | 0-1                          | 0        |
|                                | 1       | 0         | 18.54                 | 18.49                | 18.32                |                              | 0        |
|                                | 1       | 12        | 18.58                 | 18.61                | 18.56                |                              | 0        |
|                                | 1       | 24        | 18.67                 | 18.46                | 18.66                | 0-2                          | 0        |
|                                | 12      | 0         | 18.55                 | 18.34                | 18.40                |                              | 0        |
|                                | 12      | 6         | 18.57                 | 18.41                | 18.47                |                              | 0        |
| 64QAM                          | 12      | 13        | 18.57                 | 18.31                | 18.56                | 0-2                          | 0        |
|                                | 25      | 0         | 18.55                 | 18.41                | 18.52                |                              | 0        |
|                                | 1       | 0         | 18.45                 | 18.55                | 18.36                |                              | 0-2      |
|                                | 1       | 12        | 18.75                 | 18.47                | 18.64                | 0                            |          |
|                                | 1       | 24        | 18.65                 | 18.31                | 18.75                | 0                            |          |
|                                | 12      | 0         | 18.57                 | 18.27                | 18.40                | 0-3                          | 0        |
| 12                             | 6       | 18.59     | 18.32                 | 18.49                | 0                    |                              |          |
| 12                             | 13      | 18.57     | 18.18                 | 18.58                | 0                    |                              |          |
|                                | 25      | 0         | 18.59                 | 18.33                | 18.45                |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 63 of 297                  |

**Table 8-35**  
**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         | 18.20                 | 18.21                | 18.41                | 0                            | 0        |
|                                | 1       | 7         | 18.37                 | 18.33                | 18.53                |                              | 0        |
|                                | 1       | 14        | 18.39                 | 18.12                | 18.40                |                              | 0        |
|                                | 8       | 0         | 18.38                 | 18.32                | 18.54                | 0-1                          | 0        |
|                                | 8       | 4         | 18.44                 | 18.37                | 18.60                |                              | 0        |
|                                | 8       | 7         | 18.50                 | 18.27                | 18.52                |                              | 0        |
|                                | 15      | 0         | 18.48                 | 18.40                | 18.61                |                              | 0        |
| 16QAM                          | 1       | 0         | 18.37                 | 18.56                | 18.57                | 0-1                          | 0        |
|                                | 1       | 7         | 18.58                 | 18.69                | 18.66                |                              | 0        |
|                                | 1       | 14        | 18.68                 | 18.47                | 18.59                |                              | 0        |
|                                | 8       | 0         | 18.44                 | 18.38                | 18.65                | 0-2                          | 0        |
|                                | 8       | 4         | 18.56                 | 18.46                | 18.64                |                              | 0        |
|                                | 8       | 7         | 18.60                 | 18.38                | 18.52                |                              | 0        |
|                                | 15      | 0         | 18.54                 | 18.49                | 18.65                |                              | 0        |
| 64QAM                          | 1       | 0         | 18.55                 | 18.35                | 18.70                | 0-2                          | 0        |
|                                | 1       | 7         | 18.61                 | 18.46                | 18.80                |                              | 0        |
|                                | 1       | 14        | 18.67                 | 18.41                | 18.71                |                              | 0        |
|                                | 8       | 0         | 18.46                 | 18.39                | 18.60                | 0-3                          | 0        |
|                                | 8       | 4         | 18.55                 | 18.42                | 18.68                |                              | 0        |
|                                | 8       | 7         | 18.65                 | 18.30                | 18.48                |                              | 0        |
|                                | 15      | 0         | 18.57                 | 18.36                | 18.63                |                              | 0        |

**Table 8-36**  
**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         | 18.26                 | 18.40                | 18.70                | 0                            | 0        |
|                                  | 1       | 2         | 18.31                 | 18.37                | 18.59                |                              | 0        |
|                                  | 1       | 5         | 18.41                 | 18.35                | 18.62                |                              | 0        |
|                                  | 3       | 0         | 18.40                 | 18.32                | 18.50                |                              | 0        |
|                                  | 3       | 2         | 18.41                 | 18.29                | 18.51                |                              | 0        |
|                                  | 3       | 3         | 18.39                 | 18.28                | 18.52                |                              | 0        |
|                                  | 6       | 0         | 18.41                 | 18.30                | 18.52                | 0-1                          | 0        |
| 16QAM                            | 1       | 0         | 18.52                 | 18.56                | 18.79                | 0-1                          | 0        |
|                                  | 1       | 2         | 18.59                 | 18.47                | 18.78                |                              | 0        |
|                                  | 1       | 5         | 18.69                 | 18.45                | 18.76                |                              | 0        |
|                                  | 3       | 0         | 18.57                 | 18.48                | 18.68                |                              | 0        |
|                                  | 3       | 2         | 18.55                 | 18.43                | 18.68                |                              | 0        |
|                                  | 3       | 3         | 18.57                 | 18.49                | 18.67                |                              | 0        |
|                                  | 6       | 0         | 18.47                 | 18.35                | 18.64                | 0-2                          | 0        |
| 64QAM                            | 1       | 0         | 18.47                 | 18.56                | 18.78                | 0-2                          | 0        |
|                                  | 1       | 2         | 18.56                 | 18.48                | 18.79                |                              | 0        |
|                                  | 1       | 5         | 18.72                 | 18.28                | 18.67                |                              | 0        |
|                                  | 3       | 0         | 18.57                 | 18.45                | 18.65                |                              | 0        |
|                                  | 3       | 2         | 18.56                 | 18.46                | 18.62                |                              | 0        |
|                                  | 3       | 3         | 18.56                 | 18.48                | 18.72                |                              | 0        |
|                                  | 6       | 0         | 18.47                 | 18.39                | 18.60                | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
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| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 64 of 297                  |

### 8.3.3

### LTE Band 13

**Table 8-37**  
**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         | 20.97                    | 0                            | 0        |
|                                 | 1       | 25        | 20.65                    |                              | 0        |
|                                 | 1       | 49        | 20.78                    |                              | 0        |
|                                 | 25      | 0         | 20.97                    | 0-1                          | 0        |
|                                 | 25      | 12        | 20.75                    |                              | 0        |
|                                 | 25      | 25        | 20.80                    |                              | 0        |
|                                 | 50      | 0         | 20.96                    |                              | 0        |
|                                 | 50      | 0         | 20.96                    |                              | 0        |
| 16QAM                           | 1       | 0         | 20.95                    | 0-1                          | 0        |
|                                 | 1       | 25        | 20.77                    |                              | 0        |
|                                 | 1       | 49        | 20.82                    |                              | 0        |
|                                 | 25      | 0         | 20.70                    | 0-2                          | 0        |
|                                 | 25      | 12        | 20.68                    |                              | 0        |
|                                 | 25      | 25        | 20.59                    |                              | 0        |
|                                 | 50      | 0         | 20.52                    |                              | 0        |
|                                 | 50      | 0         | 20.52                    |                              | 0        |
| 64QAM                           | 1       | 0         | 20.80                    | 0-2                          | 0        |
|                                 | 1       | 25        | 20.62                    |                              | 0        |
|                                 | 1       | 49        | 20.66                    |                              | 0        |
|                                 | 25      | 0         | 20.55                    | 0-3                          | 0        |
|                                 | 25      | 12        | 20.53                    |                              | 0        |
|                                 | 25      | 25        | 20.54                    |                              | 0        |
|                                 | 50      | 0         | 20.50                    |                              | 0        |
|                                 | 50      | 0         | 20.50                    |                              | 0        |

**Table 8-38**  
**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         | 20.50                    | 0                            | 0        |
|                                | 1       | 12        | 20.51                    |                              | 0        |
|                                | 1       | 24        | 20.50                    |                              | 0        |
|                                | 12      | 0         | 20.57                    | 0-1                          | 0        |
|                                | 12      | 6         | 20.54                    |                              | 0        |
|                                | 12      | 13        | 20.54                    |                              | 0        |
|                                | 25      | 0         | 20.50                    |                              | 0        |
|                                | 25      | 0         | 20.50                    |                              | 0        |
| 16QAM                          | 1       | 0         | 20.59                    | 0-1                          | 0        |
|                                | 1       | 12        | 20.54                    |                              | 0        |
|                                | 1       | 24        | 20.63                    |                              | 0        |
|                                | 12      | 0         | 20.62                    | 0-2                          | 0        |
|                                | 12      | 6         | 20.59                    |                              | 0        |
|                                | 12      | 13        | 20.62                    |                              | 0        |
|                                | 25      | 0         | 20.51                    |                              | 0        |
|                                | 25      | 0         | 20.51                    |                              | 0        |
| 64QAM                          | 1       | 0         | 20.60                    | 0-2                          | 0        |
|                                | 1       | 12        | 20.55                    |                              | 0        |
|                                | 1       | 24        | 20.57                    |                              | 0        |
|                                | 12      | 0         | 20.64                    | 0-3                          | 0        |
|                                | 12      | 6         | 20.60                    |                              | 0        |
|                                | 12      | 13        | 20.62                    |                              | 0        |
|                                | 25      | 0         | 20.53                    |                              | 0        |
|                                | 25      | 0         | 20.53                    |                              | 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 8-39**  
**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         | 17.80                    | 0                            | 0        |
|                                 | 1       | 25        | 17.50                    |                              | 0        |
|                                 | 1       | 49        | 17.75                    |                              | 0        |
|                                 | 25      | 0         | 17.99                    | 0-1                          | 0        |
|                                 | 25      | 12        | 17.67                    |                              | 0        |
|                                 | 25      | 25        | 17.67                    |                              | 0        |
| 16QAM                           | 50      | 0         | 17.65                    | 0-1                          | 0        |
|                                 | 1       | 0         | 17.60                    |                              | 0        |
|                                 | 1       | 25        | 17.28                    |                              | 0        |
|                                 | 1       | 49        | 17.50                    | 0-2                          | 0        |
|                                 | 25      | 0         | 17.15                    |                              | 0        |
|                                 | 25      | 12        | 17.15                    |                              | 0        |
|                                 | 25      | 25        | 17.18                    |                              | 0        |
|                                 | 50      | 0         | 17.08                    |                              | 0        |
| 64QAM                           | 1       | 0         | 17.40                    | 0-2                          | 0        |
|                                 | 1       | 25        | 17.30                    |                              | 0        |
|                                 | 1       | 49        | 17.56                    |                              | 0        |
|                                 | 25      | 0         | 17.10                    | 0-3                          | 0        |
|                                 | 25      | 12        | 17.11                    |                              | 0        |
|                                 | 25      | 25        | 17.17                    |                              | 0        |
|                                 | 50      | 0         | 17.06                    |                              | 0        |

**Table 8-40**  
**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         | 17.10                    | 0                            | 0        |
|                                | 1       | 12        | 17.04                    |                              | 0        |
|                                | 1       | 24        | 17.08                    |                              | 0        |
|                                | 12      | 0         | 17.16                    | 0-1                          | 0        |
|                                | 12      | 6         | 17.09                    |                              | 0        |
|                                | 12      | 13        | 17.08                    |                              | 0        |
|                                | 25      | 0         | 17.05                    |                              | 0        |
| 16QAM                          | 1       | 0         | 17.38                    | 0-1                          | 0        |
|                                | 1       | 12        | 17.28                    |                              | 0        |
|                                | 1       | 24        | 17.35                    |                              | 0        |
|                                | 12      | 0         | 17.26                    | 0-2                          | 0        |
|                                | 12      | 6         | 17.20                    |                              | 0        |
|                                | 12      | 13        | 17.19                    |                              | 0        |
|                                | 25      | 0         | 17.12                    |                              | 0        |
| 64QAM                          | 1       | 0         | 17.29                    | 0-2                          | 0        |
|                                | 1       | 12        | 17.26                    |                              | 0        |
|                                | 1       | 24        | 17.32                    |                              | 0        |
|                                | 12      | 0         | 17.20                    | 0-3                          | 0        |
|                                | 12      | 6         | 17.16                    |                              | 0        |
|                                | 12      | 13        | 17.17                    |                              | 0        |
|                                | 25      | 0         | 17.12                    |                              | 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 8-41**  
**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         | 21.54                    | 0                            | 0        |
|                                 | 1       | 25        | 21.42                    |                              | 0        |
|                                 | 1       | 49        | 21.21                    |                              | 0        |
|                                 | 25      | 0         | 21.27                    | 0-1                          | 0        |
|                                 | 25      | 12        | 21.32                    |                              | 0        |
|                                 | 25      | 25        | 21.27                    |                              | 0        |
|                                 | 50      | 0         | 21.30                    |                              | 0        |
| 16QAM                           | 1       | 0         | 21.52                    | 0-1                          | 0        |
|                                 | 1       | 25        | 21.48                    |                              | 0        |
|                                 | 1       | 49        | 21.16                    |                              | 0        |
|                                 | 25      | 0         | 21.08                    | 0-2                          | 0        |
|                                 | 25      | 12        | 21.15                    |                              | 0        |
|                                 | 25      | 25        | 21.08                    |                              | 0        |
|                                 | 50      | 0         | 21.19                    |                              | 0        |
| 64QAM                           | 1       | 0         | 21.64                    | 0-2                          | 0        |
|                                 | 1       | 25        | 21.50                    |                              | 0        |
|                                 | 1       | 49        | 21.13                    |                              | 0        |
|                                 | 25      | 0         | 21.03                    | 0-3                          | 0        |
|                                 | 25      | 12        | 21.14                    |                              | 0        |
|                                 | 25      | 25        | 21.08                    |                              | 0        |
|                                 | 50      | 0         | 21.17                    |                              | 0        |

**Table 8-42**  
**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         | 21.31                    | 0                            | 0        |
|                                | 1       | 12        | 21.47                    |                              | 0        |
|                                | 1       | 24        | 21.39                    |                              | 0        |
|                                | 12      | 0         | 21.44                    | 0-1                          | 0        |
|                                | 12      | 6         | 21.46                    |                              | 0        |
|                                | 12      | 13        | 21.48                    |                              | 0        |
|                                | 25      | 0         | 21.53                    |                              | 0        |
| 16QAM                          | 1       | 0         | 21.42                    | 0-1                          | 0        |
|                                | 1       | 12        | 21.71                    |                              | 0        |
|                                | 1       | 24        | 21.56                    |                              | 0        |
|                                | 12      | 0         | 21.51                    | 0-2                          | 0        |
|                                | 12      | 6         | 21.54                    |                              | 0        |
|                                | 12      | 13        | 21.50                    |                              | 0        |
|                                | 25      | 0         | 21.58                    |                              | 0        |
| 64QAM                          | 1       | 0         | 21.52                    | 0-2                          | 0        |
|                                | 1       | 12        | 21.80                    |                              | 0        |
|                                | 1       | 24        | 21.60                    |                              | 0        |
|                                | 12      | 0         | 21.48                    | 0-3                          | 0        |
|                                | 12      | 6         | 21.52                    |                              | 0        |
|                                | 12      | 13        | 21.57                    |                              | 0        |
|                                | 25      | 0         | 21.60                    |                              | 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 8-43**  
**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         | 18.79                    | 0                            | 0        |
|                                 | 1       | 25        | 18.57                    |                              | 0        |
|                                 | 1       | 49        | 18.28                    |                              | 0        |
|                                 | 25      | 0         | 18.49                    | 0-1                          | 0        |
|                                 | 25      | 12        | 18.59                    |                              | 0        |
|                                 | 25      | 25        | 18.44                    |                              | 0        |
| 16QAM                           | 50      | 0         | 18.52                    | 0-1                          | 0        |
|                                 | 1       | 0         | 18.75                    |                              | 0        |
|                                 | 1       | 25        | 18.76                    |                              | 0        |
|                                 | 1       | 49        | 18.57                    | 0-2                          | 0        |
|                                 | 25      | 0         | 18.54                    |                              | 0        |
|                                 | 25      | 12        | 18.67                    |                              | 0        |
| 64QAM                           | 25      | 25        | 18.55                    | 0-2                          | 0        |
|                                 | 50      | 0         | 18.72                    |                              | 0        |
|                                 | 1       | 0         | 18.78                    | 0-2                          | 0        |
|                                 | 1       | 25        | 18.80                    |                              | 0        |
|                                 | 1       | 49        | 18.67                    | 0-3                          | 0        |
|                                 | 25      | 0         | 18.52                    |                              | 0        |
|                                 | 25      | 12        | 18.65                    |                              | 0        |
|                                 | 25      | 25        | 18.62                    |                              | 0        |
|                                 | 50      | 0         | 18.75                    |                              | 0        |

**Table 8-44**  
**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         | 18.40                    | 0                            | 0        |
|                                | 1       | 12        | 18.67                    |                              | 0        |
|                                | 1       | 24        | 18.55                    |                              | 0        |
|                                | 12      | 0         | 18.57                    | 0-1                          | 0        |
|                                | 12      | 6         | 18.64                    |                              | 0        |
|                                | 12      | 13        | 18.68                    |                              | 0        |
| 16QAM                          | 25      | 0         | 18.73                    | 0-1                          | 0        |
|                                | 1       | 0         | 18.58                    |                              | 0        |
|                                | 1       | 12        | 18.70                    | 0-2                          | 0        |
|                                | 1       | 24        | 18.68                    |                              | 0        |
|                                | 12      | 0         | 18.63                    |                              | 0        |
|                                | 12      | 6         | 18.73                    | 0-2                          | 0        |
| 64QAM                          | 12      | 13        | 18.74                    |                              | 0        |
|                                | 25      | 0         | 18.77                    |                              | 0        |
|                                | 1       | 0         | 18.71                    | 0-2                          | 0        |
|                                | 1       | 12        | 18.80                    |                              | 0        |
|                                | 1       | 24        | 18.79                    | 0-3                          | 0        |
|                                | 12      | 0         | 18.61                    |                              | 0        |
|                                | 12      | 6         | 18.79                    |                              | 0        |
|                                | 12      | 13        | 18.74                    |                              | 0        |
|                                | 25      | 0         | 18.75                    |                              | 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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### 8.3.4

### LTE Band 14

**Table 8-45**  
**LTE Band 14 Conducted Powers Ant 1 - 10 MHz Bandwidth**

| LTE Band 14<br>10 MHz Bandwidth |         |           |                                     |                              |          |
|---------------------------------|---------|-----------|-------------------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel<br>23330<br>(793.0 MHz) | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | Conducted Power<br>[dBm]            |                              |          |
| QPSK                            | 1       | 0         | 21.27                               | 0                            | 0        |
|                                 | 1       | 25        | 21.31                               |                              | 0        |
|                                 | 1       | 49        | 21.21                               |                              | 0        |
|                                 | 25      | 0         | 21.27                               | 0-1                          | 0        |
|                                 | 25      | 12        | 21.26                               |                              | 0        |
|                                 | 25      | 25        | 21.28                               |                              | 0        |
|                                 | 50      | 0         | 21.27                               |                              | 0        |
| 16QAM                           | 1       | 0         | 21.45                               | 0-1                          | 0        |
|                                 | 1       | 25        | 21.49                               |                              | 0        |
|                                 | 1       | 49        | 21.38                               |                              | 0        |
|                                 | 25      | 0         | 21.30                               | 0-2                          | 0        |
|                                 | 25      | 12        | 21.30                               |                              | 0        |
|                                 | 25      | 25        | 21.31                               |                              | 0        |
|                                 | 50      | 0         | 21.31                               |                              | 0        |
| 64QAM                           | 1       | 0         | 21.41                               | 0-2                          | 0        |
|                                 | 1       | 25        | 21.47                               |                              | 0        |
|                                 | 1       | 49        | 21.38                               |                              | 0        |
|                                 | 25      | 0         | 21.30                               | 0-3                          | 0        |
|                                 | 25      | 12        | 21.29                               |                              | 0        |
|                                 | 25      | 25        | 21.29                               |                              | 0        |
|                                 | 50      | 0         | 21.32                               |                              | 0        |

**Table 8-46**  
**LTE Band 14 Conducted Powers Ant 1 - 5 MHz Bandwidth**

| LTE Band 14<br>5 MHz Bandwidth |         |           |                                     |                              |          |
|--------------------------------|---------|-----------|-------------------------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Mid Channel<br>23330<br>(793.0 MHz) | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | Conducted Power<br>[dBm]            |                              |          |
| QPSK                           | 1       | 0         | 21.27                               | 0                            | 0        |
|                                | 1       | 12        | 21.27                               |                              | 0        |
|                                | 1       | 24        | 21.35                               |                              | 0        |
|                                | 12      | 0         | 21.36                               | 0-1                          | 0        |
|                                | 12      | 6         | 21.33                               |                              | 0        |
|                                | 12      | 13        | 21.35                               |                              | 0        |
|                                | 25      | 0         | 21.34                               |                              | 0        |
| 16QAM                          | 1       | 0         | 21.50                               | 0-1                          | 0        |
|                                | 1       | 12        | 21.50                               |                              | 0        |
|                                | 1       | 24        | 21.45                               |                              | 0        |
|                                | 12      | 0         | 21.31                               | 0-2                          | 0        |
|                                | 12      | 6         | 21.25                               |                              | 0        |
|                                | 12      | 13        | 21.26                               |                              | 0        |
|                                | 25      | 0         | 21.25                               |                              | 0        |
| 64QAM                          | 1       | 0         | 21.35                               | 0-2                          | 0        |
|                                | 1       | 12        | 21.37                               |                              | 0        |
|                                | 1       | 24        | 21.44                               |                              | 0        |
|                                | 12      | 0         | 21.39                               | 0-3                          | 0        |
|                                | 12      | 6         | 21.30                               |                              | 0        |
|                                | 12      | 13        | 21.31                               |                              | 0        |
|                                | 25      | 0         | 21.33                               |                              | 0        |

**Note:** LTE Band 14 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>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 69 of 297                  |

**Table 8-47**  
**LTE Band 14 Conducted Powers Ant 1 - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 14<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 23330<br>(793.0 MHz)     |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 18.02                    | 0                            | 0        |
|                                 | 1       | 25        | <b>18.12</b>             |                              | 0        |
|                                 | 1       | 49        | 18.02                    |                              | 0        |
|                                 | 25      | 0         | 18.18                    | 0-1                          | 0        |
|                                 | 25      | 12        | 18.19                    |                              | 0        |
|                                 | 25      | 25        | <b>18.21</b>             |                              | 0        |
| 16QAM                           | 50      | 0         | 18.10                    | 0                            | 0        |
|                                 | 1       | 0         | 17.84                    |                              | 0        |
|                                 | 1       | 25        | 17.84                    |                              | 0        |
|                                 | 1       | 49        | 17.98                    | 0-1                          | 0        |
|                                 | 25      | 0         | 17.79                    |                              | 0        |
|                                 | 25      | 12        | 17.78                    |                              | 0        |
| 64QAM                           | 25      | 25        | 17.85                    | 0-2                          | 0        |
|                                 | 50      | 0         | 17.81                    |                              | 0        |
|                                 | 1       | 0         | 17.84                    |                              | 0        |
|                                 | 1       | 25        | 17.90                    | 0-2                          | 0        |
|                                 | 1       | 49        | 18.04                    |                              | 0        |
|                                 | 25      | 0         | 17.77                    |                              | 0        |
|                                 | 25      | 12        | 17.77                    | 0-3                          | 0        |
|                                 | 25      | 25        | 17.83                    |                              | 0        |
|                                 | 50      | 0         | 17.81                    |                              | 0        |

**Table 8-48**  
**LTE Band 14 Conducted Powers Ant 1 - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 14<br>5 MHz Bandwidth |         |           |                          |                              |          |
|--------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 23330<br>(793.0 MHz)     |                              |          |
|                                |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                           | 1       | 0         | 17.81                    | 0                            | 0        |
|                                | 1       | 12        | 17.81                    |                              | 0        |
|                                | 1       | 24        | 17.90                    |                              | 0        |
|                                | 12      | 0         | 17.92                    | 0-1                          | 0        |
|                                | 12      | 6         | 17.84                    |                              | 0        |
|                                | 12      | 13        | 17.88                    |                              | 0        |
| 16QAM                          | 25      | 0         | 17.86                    | 0                            | 0        |
|                                | 1       | 0         | 18.05                    |                              | 0        |
|                                | 1       | 12        | 18.04                    |                              | 0        |
|                                | 1       | 24        | 18.20                    | 0-1                          | 0        |
|                                | 12      | 0         | 17.98                    |                              | 0        |
|                                | 12      | 6         | 17.90                    |                              | 0        |
| 64QAM                          | 12      | 13        | 17.95                    | 0-2                          | 0        |
|                                | 25      | 0         | 17.90                    |                              | 0        |
|                                | 1       | 0         | 17.98                    |                              | 0        |
|                                | 1       | 12        | 18.00                    | 0-2                          | 0        |
|                                | 1       | 24        | 18.13                    |                              | 0        |
|                                | 12      | 0         | 17.96                    |                              | 0        |
|                                | 12      | 6         | 17.89                    | 0-3                          | 0        |
|                                | 12      | 13        | 17.92                    |                              | 0        |
|                                | 25      | 0         | 17.89                    |                              | 0        |

**Note: LTE Band 14 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 8-49**  
**LTE Band 14 Conducted Powers Ant 3 - 10 MHz Bandwidth**

| LTE Band 14<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 23330<br>(793.0 MHz)     |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 21.62                    | 0                            | 0        |
|                                 | 1       | 25        | 21.50                    |                              | 0        |
|                                 | 1       | 49        | 21.61                    |                              | 0        |
|                                 | 25      | 0         | 21.40                    | 0-1                          | 0        |
|                                 | 25      | 12        | 21.42                    |                              | 0        |
|                                 | 25      | 25        | 21.50                    |                              | 0        |
|                                 | 50      | 0         | 21.46                    |                              | 0        |
| 16QAM                           | 1       | 0         | 21.50                    | 0-1                          | 0        |
|                                 | 1       | 25        | 21.43                    |                              | 0        |
|                                 | 1       | 49        | 21.51                    |                              | 0        |
|                                 | 25      | 0         | 21.46                    | 0-2                          | 0        |
|                                 | 25      | 12        | 21.53                    |                              | 0        |
|                                 | 25      | 25        | 21.45                    |                              | 0        |
|                                 | 50      | 0         | 21.44                    |                              | 0        |
| 64QAM                           | 1       | 0         | 21.61                    | 0-2                          | 0        |
|                                 | 1       | 25        | 21.57                    |                              | 0        |
|                                 | 1       | 49        | 21.61                    |                              | 0        |
|                                 | 25      | 0         | 21.35                    | 0-3                          | 0        |
|                                 | 25      | 12        | 21.33                    |                              | 0        |
|                                 | 25      | 25        | 21.44                    |                              | 0        |
|                                 | 50      | 0         | 21.45                    |                              | 0        |

**Table 8-50**  
**LTE Band 14 Conducted Powers Ant 3 - 5 MHz Bandwidth**

| LTE Band 14<br>5 MHz Bandwidth |         |           |                          |                              |          |
|--------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 23330<br>(793.0 MHz)     |                              |          |
|                                |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                           | 1       | 0         | 21.27                    | 0                            | 0        |
|                                | 1       | 12        | 21.33                    |                              | 0        |
|                                | 1       | 24        | 21.42                    |                              | 0        |
|                                | 12      | 0         | 21.29                    | 0-1                          | 0        |
|                                | 12      | 6         | 21.34                    |                              | 0        |
|                                | 12      | 13        | 21.44                    |                              | 0        |
|                                | 25      | 0         | 21.43                    |                              | 0        |
| 16QAM                          | 1       | 0         | 21.45                    | 0-1                          | 0        |
|                                | 1       | 12        | 21.58                    |                              | 0        |
|                                | 1       | 24        | 21.69                    |                              | 0        |
|                                | 12      | 0         | 21.37                    | 0-2                          | 0        |
|                                | 12      | 6         | 21.40                    |                              | 0        |
|                                | 12      | 13        | 21.48                    |                              | 0        |
|                                | 25      | 0         | 21.47                    |                              | 0        |
| 64QAM                          | 1       | 0         | 21.55                    | 0-2                          | 0        |
|                                | 1       | 12        | 21.50                    |                              | 0        |
|                                | 1       | 24        | 21.67                    |                              | 0        |
|                                | 12      | 0         | 21.33                    | 0-3                          | 0        |
|                                | 12      | 6         | 21.41                    |                              | 0        |
|                                | 12      | 13        | 21.54                    |                              | 0        |
|                                | 25      | 0         | 21.45                    |                              | 0        |

**Note: LTE Band 14 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 8-51**  
**LTE Band 14 Conducted Powers Ant 3 - 10 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 14<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 23330<br>(793.0 MHz)     |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 18.48                    | 0                            | 0        |
|                                 | 1       | 25        | 18.37                    |                              | 0        |
|                                 | 1       | 49        | 18.55                    |                              | 0        |
|                                 | 25      | 0         | 18.44                    | 0-1                          | 0        |
|                                 | 25      | 12        | 18.43                    |                              | 0        |
|                                 | 25      | 25        | 18.58                    |                              | 0        |
| 16QAM                           | 50      | 0         | 18.51                    | 0-1                          | 0        |
|                                 | 1       | 0         | 18.51                    |                              | 0        |
|                                 | 1       | 25        | 18.54                    |                              | 0        |
|                                 | 1       | 49        | 18.53                    | 0-2                          | 0        |
|                                 | 25      | 0         | 18.52                    |                              | 0        |
|                                 | 25      | 12        | 18.51                    |                              | 0        |
| 64QAM                           | 25      | 25        | 18.62                    | 0-2                          | 0        |
|                                 | 50      | 0         | 18.60                    |                              | 0        |
|                                 | 1       | 0         | 18.52                    | 0-2                          | 0        |
|                                 | 1       | 25        | 18.44                    |                              | 0        |
|                                 | 1       | 49        | 18.53                    | 0-3                          | 0        |
|                                 | 25      | 0         | 18.45                    |                              | 0        |
|                                 | 25      | 12        | 18.48                    |                              | 0        |
|                                 | 25      | 25        | 18.60                    | 0-3                          | 0        |
|                                 | 50      | 0         | 18.55                    |                              | 0        |

**Table 8-52**  
**LTE Band 14 Conducted Powers Ant 3 - 5 MHz Bandwidth, Inter-band ULCA Active**

| LTE Band 14<br>5 MHz Bandwidth |         |           |                          |                              |          |
|--------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 23330<br>(793.0 MHz)     |                              |          |
|                                |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                           | 1       | 0         | 18.38                    | 0                            | 0        |
|                                | 1       | 12        | 18.42                    |                              | 0        |
|                                | 1       | 24        | 18.50                    |                              | 0        |
|                                | 12      | 0         | 18.48                    | 0-1                          | 0        |
|                                | 12      | 6         | 18.47                    |                              | 0        |
|                                | 12      | 13        | 18.53                    |                              | 0        |
| 16QAM                          | 25      | 0         | 18.55                    | 0-1                          | 0        |
|                                | 1       | 0         | 18.51                    |                              | 0        |
|                                | 1       | 12        | 18.54                    | 0-2                          | 0        |
|                                | 1       | 24        | 18.61                    |                              | 0        |
|                                | 12      | 0         | 18.52                    |                              | 0        |
|                                | 12      | 6         | 18.54                    | 0-2                          | 0        |
| 64QAM                          | 12      | 13        | 18.56                    |                              | 0        |
|                                | 25      | 0         | 18.62                    |                              | 0        |
|                                | 1       | 0         | 18.70                    | 0-2                          | 0        |
|                                | 1       | 12        | 18.68                    |                              | 0        |
|                                | 1       | 24        | 18.79                    | 0-3                          | 0        |
|                                | 12      | 0         | 18.46                    |                              | 0        |
|                                | 12      | 6         | 18.51                    |                              | 0        |
|                                | 12      | 13        | 18.53                    | 0-3                          | 0        |
|                                | 25      | 0         | 18.57                    |                              | 0        |

**Note: LTE Band 14 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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### 8.3.5

### 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         | 20.28                 | 20.21                | 20.44                | 0                            | 0        |
|                                        | 1       | 25        | 20.24                 | 20.22                | 20.18                |                              | 0        |
|                                        | 1       | 49        | 20.35                 | 20.34                | 20.36                |                              | 0        |
|                                        | 25      | 0         | 20.10                 | 20.22                | 20.27                | 0-1                          | 0        |
|                                        | 25      | 12        | 20.24                 | 20.24                | 20.20                |                              | 0        |
|                                        | 25      | 25        | 20.44                 | 20.26                | 20.30                |                              | 0        |
|                                        | 50      | 0         | 20.41                 | 20.24                | 20.22                |                              | 0        |
| 16QAM                                  | 1       | 0         | 20.26                 | 20.29                | 20.50                | 0-1                          | 0        |
|                                        | 1       | 25        | 20.19                 | 20.27                | 20.41                |                              | 0        |
|                                        | 1       | 49        | 20.32                 | 20.46                | 20.39                |                              | 0        |
|                                        | 25      | 0         | 20.20                 | 20.05                | 20.10                | 0-2                          | 0        |
|                                        | 25      | 12        | 20.32                 | 20.05                | 20.02                |                              | 0        |
|                                        | 25      | 25        | 20.46                 | 20.09                | 20.07                |                              | 0        |
|                                        | 50      | 0         | 20.38                 | 20.05                | 20.04                |                              | 0        |
| 64QAM                                  | 1       | 0         | 20.24                 | 20.21                | 20.41                | 0-2                          | 0        |
|                                        | 1       | 25        | 20.22                 | 20.22                | 20.28                |                              | 0        |
|                                        | 1       | 49        | 20.41                 | 20.29                | 20.36                |                              | 0        |
|                                        | 25      | 0         | 20.14                 | 20.05                | 20.09                | 0-3                          | 0        |
|                                        | 25      | 12        | 20.31                 | 20.06                | 20.01                |                              | 0        |
|                                        | 25      | 25        | 20.46                 | 20.09                | 20.07                |                              | 0        |
|                                        | 50      | 0         | 20.37                 | 20.08                | 20.04                |                              | 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         | 20.41                 | 20.46                | 20.45                | 0                            | 0        |
|                                       | 1       | 12        | 20.28                 | 20.45                | 20.52                |                              | 0        |
|                                       | 1       | 24        | 20.45                 | 20.52                | 20.70                |                              | 0        |
|                                       | 12      | 0         | 20.34                 | 20.52                | 20.44                | 0-1                          | 0        |
|                                       | 12      | 6         | 20.40                 | 20.49                | 20.46                |                              | 0        |
|                                       | 12      | 13        | 20.49                 | 20.48                | 20.48                |                              | 0        |
|                                       | 25      | 0         | 20.41                 | 20.51                | 20.49                |                              | 0        |
| 16QAM                                 | 1       | 0         | 20.69                 | 20.69                | 20.58                | 0-1                          | 0        |
|                                       | 1       | 12        | 20.59                 | 20.68                | 20.69                |                              | 0        |
|                                       | 1       | 24        | 20.62                 | 20.63                | 20.61                |                              | 0        |
|                                       | 12      | 0         | 20.45                 | 20.61                | 20.51                | 0-2                          | 0        |
|                                       | 12      | 6         | 20.48                 | 20.57                | 20.52                |                              | 0        |
|                                       | 12      | 13        | 20.55                 | 20.56                | 20.53                |                              | 0        |
|                                       | 25      | 0         | 20.41                 | 20.58                | 20.53                |                              | 0        |
| 64QAM                                 | 1       | 0         | 20.57                 | 20.68                | 20.67                | 0-2                          | 0        |
|                                       | 1       | 12        | 20.49                 | 20.67                | 20.62                |                              | 0        |
|                                       | 1       | 24        | 20.64                 | 20.69                | 20.57                |                              | 0        |
|                                       | 12      | 0         | 20.39                 | 20.57                | 20.52                | 0-3                          | 0        |
|                                       | 12      | 6         | 20.44                 | 20.53                | 20.52                |                              | 0        |
|                                       | 12      | 13        | 20.52                 | 20.53                | 20.54                |                              | 0        |
|                                       | 25      | 0         | 20.42                 | 20.54                | 20.52                |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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**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         | 20.55                 | 20.45                | 20.50                | 0                            | 0        |
|                                       | 1       | 7         | 20.39                 | 20.49                | 20.54                |                              | 0        |
|                                       | 1       | 14        | 20.40                 | 20.43                | 20.55                |                              | 0        |
|                                       | 8       | 0         | 20.54                 | 20.58                | 20.54                | 0-1                          | 0        |
|                                       | 8       | 4         | 20.45                 | 20.54                | 20.55                |                              | 0        |
|                                       | 8       | 7         | 20.51                 | 20.55                | 20.63                |                              | 0        |
|                                       | 15      | 0         | 20.46                 | 20.58                | 20.56                |                              | 0        |
| 16QAM                                 | 1       | 0         | 20.64                 | 20.60                | 20.48                | 0-1                          | 0        |
|                                       | 1       | 7         | 20.61                 | 20.53                | 20.68                |                              | 0        |
|                                       | 1       | 14        | 20.62                 | 20.69                | 20.57                |                              | 0        |
|                                       | 8       | 0         | 20.59                 | 20.64                | 20.62                | 0-2                          | 0        |
|                                       | 8       | 4         | 20.45                 | 20.59                | 20.59                |                              | 0        |
|                                       | 8       | 7         | 20.52                 | 20.57                | 20.69                |                              | 0        |
|                                       | 15      | 0         | 20.46                 | 20.62                | 20.57                |                              | 0        |
| 64QAM                                 | 1       | 0         | 20.68                 | 20.60                | 20.47                | 0-2                          | 0        |
|                                       | 1       | 7         | 20.45                 | 20.50                | 20.59                |                              | 0        |
|                                       | 1       | 14        | 20.59                 | 20.70                | 20.64                |                              | 0        |
|                                       | 8       | 0         | 20.63                 | 20.57                | 20.57                | 0-3                          | 0        |
|                                       | 8       | 4         | 20.46                 | 20.61                | 20.59                |                              | 0        |
|                                       | 8       | 7         | 20.51                 | 20.63                | 20.70                |                              | 0        |
|                                       | 15      | 0         | 20.45                 | 20.62                | 20.58                |                              | 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         | 20.38                 | 20.31                | 20.49                | 0                            | 0        |
|                                         | 1       | 2         | 20.29                 | 20.29                | 20.55                |                              | 0        |
|                                         | 1       | 5         | 20.19                 | 20.31                | 20.59                |                              | 0        |
|                                         | 3       | 0         | 20.38                 | 20.42                | 20.47                |                              | 0        |
|                                         | 3       | 2         | 20.33                 | 20.40                | 20.48                |                              | 0        |
|                                         | 3       | 3         | 20.33                 | 20.39                | 20.47                |                              | 0        |
|                                         | 6       | 0         | 20.33                 | 20.39                | 20.43                | 0-1                          | 0        |
| 16QAM                                   | 1       | 0         | 20.66                 | 20.54                | 20.44                | 0-1                          | 0        |
|                                         | 1       | 2         | 20.52                 | 20.41                | 20.64                |                              | 0        |
|                                         | 1       | 5         | 20.34                 | 20.69                | 20.67                |                              | 0        |
|                                         | 3       | 0         | 20.50                 | 20.55                | 20.49                |                              | 0        |
|                                         | 3       | 2         | 20.47                 | 20.43                | 20.48                |                              | 0        |
|                                         | 3       | 3         | 20.49                 | 20.41                | 20.54                |                              | 0        |
|                                         | 6       | 0         | 20.39                 | 20.50                | 20.49                | 0-2                          | 0        |
| 64QAM                                   | 1       | 0         | 20.63                 | 20.57                | 20.47                | 0-2                          | 0        |
|                                         | 1       | 2         | 20.56                 | 20.56                | 20.47                |                              | 0        |
|                                         | 1       | 5         | 20.40                 | 20.47                | 20.68                |                              | 0        |
|                                         | 3       | 0         | 20.57                 | 20.48                | 20.50                |                              | 0        |
|                                         | 3       | 2         | 20.45                 | 20.48                | 20.52                |                              | 0        |
|                                         | 3       | 3         | 20.45                 | 20.48                | 20.49                |                              | 0        |
|                                         | 6       | 0         | 20.46                 | 20.47                | 20.51                | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 74 of 297                  |

**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         | 21.43                 | 21.46                | 21.23                | 0                            | 0        |
|                                        | 1       | 25        | 21.24                 | 21.36                | 21.47                |                              | 0        |
|                                        | 1       | 49        | 21.32                 | 21.24                | 21.22                |                              | 0        |
|                                        | 25      | 0         | 21.35                 | 21.48                | 21.36                | 0-1                          | 0        |
|                                        | 25      | 12        | 21.27                 | 21.34                | 21.50                |                              | 0        |
|                                        | 25      | 25        | 21.31                 | 21.20                | 21.33                |                              | 0        |
|                                        | 50      | 0         | 21.29                 | 21.35                | 21.36                |                              | 0        |
| 16QAM                                  | 1       | 0         | 21.16                 | 21.15                | 20.78                | 0-1                          | 0        |
|                                        | 1       | 25        | 20.93                 | 21.13                | 21.09                |                              | 0        |
|                                        | 1       | 49        | 21.03                 | 21.02                | 20.78                |                              | 0        |
|                                        | 25      | 0         | 20.84                 | 20.89                | 20.84                | 0-2                          | 0        |
|                                        | 25      | 12        | 20.75                 | 20.77                | 20.96                |                              | 0        |
|                                        | 25      | 25        | 20.82                 | 20.67                | 20.83                |                              | 0        |
|                                        | 50      | 0         | 20.79                 | 20.84                | 20.92                |                              | 0        |
| 64QAM                                  | 1       | 0         | 21.17                 | 21.10                | 20.90                | 0-2                          | 0        |
|                                        | 1       | 25        | 21.02                 | 20.92                | 21.09                |                              | 0        |
|                                        | 1       | 49        | 20.90                 | 20.85                | 20.80                |                              | 0        |
|                                        | 25      | 0         | 20.82                 | 20.98                | 20.84                | 0-3                          | 0        |
|                                        | 25      | 12        | 20.79                 | 20.89                | 20.96                |                              | 0        |
|                                        | 25      | 25        | 20.80                 | 20.65                | 20.82                |                              | 0        |
|                                        | 50      | 0         | 20.79                 | 20.84                | 20.95                |                              | 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         | 21.04                 | 20.89                | 21.13                | 0                            | 0        |
|                                       | 1       | 12        | 20.97                 | 20.75                | 20.97                |                              | 0        |
|                                       | 1       | 24        | 20.85                 | 20.61                | 20.92                |                              | 0        |
|                                       | 12      | 0         | 20.89                 | 20.89                | 20.92                | 0-1                          | 0        |
|                                       | 12      | 6         | 20.90                 | 20.83                | 20.84                |                              | 0        |
|                                       | 12      | 13        | 20.80                 | 20.73                | 20.81                |                              | 0        |
|                                       | 25      | 0         | 20.90                 | 20.83                | 20.84                |                              | 0        |
| 16QAM                                 | 1       | 0         | 21.09                 | 21.19                | 21.27                | 0-1                          | 0        |
|                                       | 1       | 12        | 21.08                 | 21.07                | 21.01                |                              | 0        |
|                                       | 1       | 24        | 20.93                 | 20.88                | 20.87                |                              | 0        |
|                                       | 12      | 0         | 20.95                 | 20.93                | 20.95                | 0-2                          | 0        |
|                                       | 12      | 6         | 20.94                 | 20.88                | 20.86                |                              | 0        |
|                                       | 12      | 13        | 20.85                 | 20.85                | 20.85                |                              | 0        |
|                                       | 25      | 0         | 20.91                 | 20.88                | 20.88                |                              | 0        |
| 64QAM                                 | 1       | 0         | 21.24                 | 21.19                | 21.30                | 0-2                          | 0        |
|                                       | 1       | 12        | 21.23                 | 21.00                | 21.18                |                              | 0        |
|                                       | 1       | 24        | 20.90                 | 20.86                | 21.19                |                              | 0        |
|                                       | 12      | 0         | 20.94                 | 20.93                | 20.96                | 0-3                          | 0        |
|                                       | 12      | 6         | 20.89                 | 20.88                | 20.85                |                              | 0        |
|                                       | 12      | 13        | 20.85                 | 20.82                | 20.84                |                              | 0        |
|                                       | 25      | 0         | 20.88                 | 20.90                | 20.88                |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 75 of 297                         |

**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         | 21.10                 | 20.86                | 20.72                | 0                            | 0        |
|                                       | 1       | 7         | 21.05                 | 20.84                | 20.72                |                              | 0        |
|                                       | 1       | 14        | 20.97                 | 20.64                | 20.64                |                              | 0        |
|                                       | 8       | 0         | 21.00                 | 20.93                | 20.85                | 0-1                          | 0        |
|                                       | 8       | 4         | 20.94                 | 20.86                | 20.82                |                              | 0        |
|                                       | 8       | 7         | 20.95                 | 20.78                | 20.75                |                              | 0        |
|                                       | 15      | 0         | 20.96                 | 20.89                | 20.82                |                              | 0        |
| 16QAM                                 | 1       | 0         | 21.14                 | 21.00                | 21.19                | 0-1                          | 0        |
|                                       | 1       | 7         | 21.07                 | 21.05                | 21.08                |                              | 0        |
|                                       | 1       | 14        | 20.95                 | 20.89                | 21.05                |                              | 0        |
|                                       | 8       | 0         | 21.05                 | 20.99                | 20.96                | 0-2                          | 0        |
|                                       | 8       | 4         | 20.98                 | 20.88                | 20.85                |                              | 0        |
|                                       | 8       | 7         | 20.98                 | 20.87                | 20.79                |                              | 0        |
|                                       | 15      | 0         | 20.98                 | 20.93                | 20.86                |                              | 0        |
| 64QAM                                 | 1       | 0         | 21.13                 | 21.00                | 21.01                | 0-2                          | 0        |
|                                       | 1       | 7         | 21.07                 | 21.11                | 21.15                |                              | 0        |
|                                       | 1       | 14        | 21.00                 | 20.81                | 21.12                |                              | 0        |
|                                       | 8       | 0         | 21.04                 | 20.97                | 20.96                | 0-3                          | 0        |
|                                       | 8       | 4         | 20.99                 | 21.01                | 20.80                |                              | 0        |
|                                       | 8       | 7         | 21.01                 | 20.84                | 20.80                |                              | 0        |
|                                       | 15      | 0         | 20.97                 | 20.95                | 20.86                |                              | 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         | 21.15                 | 20.82                | 20.99                | 0                            | 0        |
|                                         | 1       | 2         | 21.10                 | 20.82                | 20.89                |                              | 0        |
|                                         | 1       | 5         | 21.04                 | 20.83                | 20.96                |                              | 0        |
|                                         | 3       | 0         | 20.97                 | 20.88                | 20.77                |                              | 0        |
|                                         | 3       | 2         | 20.99                 | 20.87                | 20.76                |                              | 0        |
|                                         | 3       | 3         | 20.98                 | 20.88                | 20.77                |                              | 0        |
|                                         | 6       | 0         | 20.99                 | 20.86                | 20.76                | 0-1                          | 0        |
| 16QAM                                   | 1       | 0         | 21.14                 | 21.09                | 20.83                | 0-1                          | 0        |
|                                         | 1       | 2         | 21.09                 | 21.10                | 20.58                |                              | 0        |
|                                         | 1       | 5         | 21.05                 | 20.99                | 20.79                |                              | 0        |
|                                         | 3       | 0         | 21.08                 | 21.06                | 20.94                |                              | 0        |
|                                         | 3       | 2         | 21.10                 | 21.07                | 20.98                |                              | 0        |
|                                         | 3       | 3         | 21.08                 | 21.05                | 20.88                |                              | 0        |
|                                         | 6       | 0         | 21.02                 | 20.97                | 20.84                | 0-2                          | 0        |
| 64QAM                                   | 1       | 0         | 21.28                 | 21.01                | 21.13                | 0-2                          | 0        |
|                                         | 1       | 2         | 21.06                 | 21.10                | 20.98                |                              | 0        |
|                                         | 1       | 5         | 21.13                 | 21.02                | 20.90                |                              | 0        |
|                                         | 3       | 0         | 21.17                 | 21.08                | 20.97                |                              | 0        |
|                                         | 3       | 2         | 21.04                 | 21.04                | 20.89                |                              | 0        |
|                                         | 3       | 3         | 21.07                 | 21.09                | 20.90                |                              | 0        |
|                                         | 6       | 0         | 21.12                 | 20.98                | 20.85                | 0-3                          | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 76 of 297                         |

### 8.3.6

### LTE Band 5

**Table 8-61**  
**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)<br>Conducted Power<br>[dBm] |                              |          |
| QPSK                                  | 1       | 0         | 20.48                                            | 0                            | 0        |
|                                       | 1       | 25        | 20.65                                            |                              | 0        |
|                                       | 1       | 49        | 20.63                                            |                              | 0        |
|                                       | 25      | 0         | 20.51                                            | 0-1                          | 0        |
|                                       | 25      | 12        | 20.59                                            |                              | 0        |
|                                       | 25      | 25        | 20.70                                            |                              | 0        |
|                                       | 50      | 0         | 20.64                                            |                              | 0        |
| 16QAM                                 | 1       | 0         | 20.42                                            | 0-1                          | 0        |
|                                       | 1       | 25        | 20.58                                            |                              | 0        |
|                                       | 1       | 49        | 20.63                                            |                              | 0        |
|                                       | 25      | 0         | 20.28                                            | 0-2                          | 0        |
|                                       | 25      | 12        | 20.36                                            |                              | 0        |
|                                       | 25      | 25        | 20.50                                            |                              | 0        |
|                                       | 50      | 0         | 20.45                                            |                              | 0        |
| 64QAM                                 | 1       | 0         | 20.45                                            | 0-2                          | 0        |
|                                       | 1       | 25        | 20.54                                            |                              | 0        |
|                                       | 1       | 49        | 20.48                                            |                              | 0        |
|                                       | 25      | 0         | 20.29                                            | 0-3                          | 0        |
|                                       | 25      | 12        | 20.35                                            |                              | 0        |
|                                       | 25      | 25        | 20.49                                            |                              | 0        |
|                                       | 50      | 0         | 20.44                                            |                              | 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 8-62**  
**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         | 20.32                 | 20.39                | 20.14                | 0                            | 0        |
|                                      | 1       | 12        | 20.24                 | 20.50                | 20.19                |                              | 0        |
|                                      | 1       | 24        | 20.26                 | 20.59                | 20.27                |                              | 0        |
|                                      | 12      | 0         | 20.30                 | 20.37                | 20.21                | 0-1                          | 0        |
|                                      | 12      | 6         | 20.30                 | 20.36                | 20.24                |                              | 0        |
|                                      | 12      | 13        | 20.29                 | 20.45                | 20.26                |                              | 0        |
|                                      | 25      | 0         | 20.30                 | 20.47                | 20.27                |                              | 0        |
| 16QAM                                | 1       | 0         | 20.56                 | 20.47                | 20.25                | 0-1                          | 0        |
|                                      | 1       | 12        | 20.53                 | 20.61                | 20.29                |                              | 0        |
|                                      | 1       | 24        | 20.55                 | 20.69                | 20.54                |                              | 0        |
|                                      | 12      | 0         | 20.35                 | 20.40                | 20.25                | 0-2                          | 0        |
|                                      | 12      | 6         | 20.34                 | 20.44                | 20.29                |                              | 0        |
|                                      | 12      | 13        | 20.34                 | 20.50                | 20.25                |                              | 0        |
|                                      | 25      | 0         | 20.29                 | 20.44                | 20.29                |                              | 0        |
| 64QAM                                | 1       | 0         | 20.55                 | 20.39                | 20.25                | 0-2                          | 0        |
|                                      | 1       | 12        | 20.52                 | 20.52                | 20.37                |                              | 0        |
|                                      | 1       | 24        | 20.55                 | 20.63                | 20.54                |                              | 0        |
|                                      | 12      | 0         | 20.36                 | 20.45                | 20.24                | 0-3                          | 0        |
|                                      | 12      | 6         | 20.34                 | 20.42                | 20.26                |                              | 0        |
|                                      | 12      | 13        | 20.35                 | 20.52                | 20.26                |                              | 0        |
|                                      | 25      | 0         | 20.36                 | 20.40                | 20.27                |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 77 of 297                  |

**Table 8-63**  
**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         | 20.27                 | 20.27                | 20.21                | 0                            | 0        |
|                                      | 1       | 7         | 20.25                 | 20.41                | 20.23                |                              | 0        |
|                                      | 1       | 14        | 20.19                 | 20.38                | 20.27                |                              | 0        |
|                                      | 8       | 0         | 20.39                 | 20.41                | 20.29                | 0-1                          | 0        |
|                                      | 8       | 4         | 20.35                 | 20.45                | 20.29                |                              | 0        |
|                                      | 8       | 7         | 20.34                 | 20.47                | 20.37                |                              | 0        |
|                                      | 15      | 0         | 20.35                 | 20.43                | 20.29                |                              | 0        |
| 16QAM                                | 1       | 0         | 20.44                 | 20.39                | 20.34                | 0-1                          | 0        |
|                                      | 1       | 7         | 20.62                 | 20.62                | 20.41                |                              | 0        |
|                                      | 1       | 14        | 20.44                 | 20.49                | 20.43                |                              | 0        |
|                                      | 8       | 0         | 20.45                 | 20.44                | 20.33                | 0-2                          | 0        |
|                                      | 8       | 4         | 20.44                 | 20.49                | 20.34                |                              | 0        |
|                                      | 8       | 7         | 20.44                 | 20.50                | 20.45                |                              | 0        |
|                                      | 15      | 0         | 20.39                 | 20.48                | 20.30                |                              | 0        |
| 64QAM                                | 1       | 0         | 20.50                 | 20.43                | 20.33                | 0-2                          | 0        |
|                                      | 1       | 7         | 20.40                 | 20.67                | 20.48                |                              | 0        |
|                                      | 1       | 14        | 20.37                 | 20.54                | 20.40                |                              | 0        |
|                                      | 8       | 0         | 20.48                 | 20.46                | 20.36                | 0-3                          | 0        |
|                                      | 8       | 4         | 20.40                 | 20.47                | 20.31                |                              | 0        |
|                                      | 8       | 7         | 20.39                 | 20.51                | 20.44                |                              | 0        |
|                                      | 15      | 0         | 20.36                 | 20.47                | 20.30                |                              | 0        |

**Table 8-64**  
**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         | 20.32                 | 20.34                | 20.46                | 0                            | 0        |
|                                        | 1       | 2         | 20.29                 | 20.33                | 20.51                |                              | 0        |
|                                        | 1       | 5         | 20.27                 | 20.43                | 20.54                |                              | 0        |
|                                        | 3       | 0         | 20.41                 | 20.46                | 20.42                |                              | 0        |
|                                        | 3       | 2         | 20.38                 | 20.52                | 20.42                |                              | 0        |
|                                        | 3       | 3         | 20.37                 | 20.52                | 20.46                |                              | 0        |
|                                        | 6       | 0         | 20.40                 | 20.51                | 20.44                | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 20.60                 | 20.46                | 20.50                | 0-1                          | 0        |
|                                        | 1       | 2         | 20.54                 | 20.51                | 20.65                |                              | 0        |
|                                        | 1       | 5         | 20.46                 | 20.69                | 20.67                |                              | 0        |
|                                        | 3       | 0         | 20.51                 | 20.45                | 20.48                |                              | 0        |
|                                        | 3       | 2         | 20.50                 | 20.57                | 20.46                |                              | 0        |
|                                        | 3       | 3         | 20.53                 | 20.59                | 20.44                |                              | 0        |
|                                        | 6       | 0         | 20.49                 | 20.62                | 20.46                | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 20.64                 | 20.58                | 20.47                | 0-2                          | 0        |
|                                        | 1       | 2         | 20.58                 | 20.59                | 20.49                |                              | 0        |
|                                        | 1       | 5         | 20.50                 | 20.67                | 20.62                |                              | 0        |
|                                        | 3       | 0         | 20.55                 | 20.49                | 20.53                |                              | 0        |
|                                        | 3       | 2         | 20.54                 | 20.66                | 20.55                |                              | 0        |
|                                        | 3       | 3         | 20.56                 | 20.58                | 20.48                |                              | 0        |
|                                        | 6       | 0         | 20.48                 | 20.61                | 20.44                | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 78 of 297                  |

**Table 8-65**  
**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         | 17.52                    | 0                            | 0        |
|                                       | 1       | 25        | 17.61                    |                              | 0        |
|                                       | 1       | 49        | 17.55                    |                              | 0        |
|                                       | 25      | 0         | 17.67                    | 0-1                          | 0        |
|                                       | 25      | 12        | 17.65                    |                              | 0        |
|                                       | 25      | 25        | 17.70                    |                              | 0        |
| 16QAM                                 | 50      | 0         | 17.60                    | 0-1                          | 0        |
|                                       | 1       | 0         | 17.39                    |                              | 0        |
|                                       | 1       | 25        | 17.52                    |                              | 0        |
|                                       | 1       | 49        | 17.53                    | 0-2                          | 0        |
|                                       | 25      | 0         | 17.50                    |                              | 0        |
|                                       | 25      | 12        | 17.50                    |                              | 0        |
| 64QAM                                 | 25      | 25        | 17.63                    | 0-2                          | 0        |
|                                       | 50      | 0         | 17.56                    |                              | 0        |
|                                       | 1       | 0         | 17.30                    | 0-2                          | 0        |
|                                       | 1       | 25        | 17.46                    |                              | 0        |
|                                       | 1       | 49        | 17.46                    |                              | 0        |
|                                       | 25      | 0         | 17.17                    | 0-3                          | 0        |
|                                       | 25      | 12        | 17.24                    |                              | 0        |
|                                       | 25      | 25        | 17.36                    |                              | 0        |
|                                       | 50      | 0         | 17.32                    |                              | 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 8-66**  
**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         | 17.39                 | 17.33                | 17.41                | 0                            | 0        |
|                                      | 1       | 12        | 17.35                 | 17.38                | 17.45                |                              | 0        |
|                                      | 1       | 24        | 17.32                 | 17.46                | 17.57                |                              | 0        |
|                                      | 12      | 0         | 17.40                 | 17.44                | 17.33                | 0-1                          | 0        |
|                                      | 12      | 6         | 17.38                 | 17.43                | 17.39                |                              | 0        |
|                                      | 12      | 13        | 17.37                 | 17.50                | 17.39                |                              | 0        |
|                                      | 25      | 0         | 17.39                 | 17.51                | 17.43                |                              | 0        |
| 16QAM                                | 1       | 0         | 17.53                 | 17.63                | 17.26                | 0-1                          | 0        |
|                                      | 1       | 12        | 17.57                 | 17.52                | 17.38                |                              | 0        |
|                                      | 1       | 24        | 17.39                 | 17.65                | 17.54                |                              | 0        |
|                                      | 12      | 0         | 17.41                 | 17.49                | 17.34                | 0-2                          | 0        |
|                                      | 12      | 6         | 17.35                 | 17.53                | 17.36                |                              | 0        |
|                                      | 12      | 13        | 17.32                 | 17.58                | 17.41                |                              | 0        |
|                                      | 25      | 0         | 17.38                 | 17.58                | 17.41                |                              | 0        |
| 64QAM                                | 1       | 0         | 17.58                 | 17.64                | 17.37                | 0-2                          | 0        |
|                                      | 1       | 12        | 17.42                 | 17.70                | 17.43                |                              | 0        |
|                                      | 1       | 24        | 17.41                 | 17.70                | 17.58                |                              | 0        |
|                                      | 12      | 0         | 17.42                 | 17.52                | 17.38                | 0-3                          | 0        |
|                                      | 12      | 6         | 17.34                 | 17.51                | 17.39                |                              | 0        |
|                                      | 12      | 13        | 17.34                 | 17.56                | 17.38                |                              | 0        |
|                                      | 25      | 0         | 17.36                 | 17.57                | 17.39                |                              | 0        |

|                                         |                                                                                                   |                              |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   | Page 79 of 297                  |

**Table 8-67**  
**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         | 17.30                 | 17.39                | 17.28                | 0                            | 0        |
|                                      | 1       | 7         | 17.32                 | 17.49                | 17.34                |                              | 0        |
|                                      | 1       | 14        | 17.25                 | 17.44                | 17.36                |                              | 0        |
|                                      | 8       | 0         | 17.42                 | 17.50                | 17.42                | 0-1                          | 0        |
|                                      | 8       | 4         | 17.39                 | 17.57                | 17.41                |                              | 0        |
|                                      | 8       | 7         | 17.38                 | 17.56                | 17.50                |                              | 0        |
|                                      | 15      | 0         | 17.40                 | 17.59                | 17.43                |                              | 0        |
| 16QAM                                | 1       | 0         | 17.57                 | 17.55                | 17.46                | 0-1                          | 0        |
|                                      | 1       | 7         | 17.37                 | 17.68                | 17.51                |                              | 0        |
|                                      | 1       | 14        | 17.45                 | 17.67                | 17.61                |                              | 0        |
|                                      | 8       | 0         | 17.55                 | 17.58                | 17.48                | 0-2                          | 0        |
|                                      | 8       | 4         | 17.45                 | 17.62                | 17.40                |                              | 0        |
|                                      | 8       | 7         | 17.46                 | 17.65                | 17.54                |                              | 0        |
|                                      | 15      | 0         | 17.48                 | 17.65                | 17.43                |                              | 0        |
| 64QAM                                | 1       | 0         | 17.41                 | 17.39                | 17.35                | 0-2                          | 0        |
|                                      | 1       | 7         | 17.37                 | 17.47                | 17.34                |                              | 0        |
|                                      | 1       | 14        | 17.35                 | 17.52                | 17.39                |                              | 0        |
|                                      | 8       | 0         | 17.31                 | 17.32                | 17.21                | 0-3                          | 0        |
|                                      | 8       | 4         | 17.22                 | 17.39                | 17.20                |                              | 0        |
|                                      | 8       | 7         | 17.22                 | 17.41                | 17.27                |                              | 0        |
|                                      | 15      | 0         | 17.22                 | 17.39                | 17.22                |                              | 0        |

**Table 8-68**  
**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         | 17.43                 | 17.41                | 17.50                | 0                            | 0        |
|                                        | 1       | 2         | 17.32                 | 17.40                | 17.57                |                              | 0        |
|                                        | 1       | 5         | 17.29                 | 17.48                | 17.62                |                              | 0        |
|                                        | 3       | 0         | 17.43                 | 17.47                | 17.50                |                              | 0        |
|                                        | 3       | 2         | 17.44                 | 17.53                | 17.53                |                              | 0        |
|                                        | 3       | 3         | 17.43                 | 17.51                | 17.52                |                              | 0        |
|                                        | 6       | 0         | 17.41                 | 17.53                | 17.51                | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 17.68                 | 17.61                | 17.53                | 0-1                          | 0        |
|                                        | 1       | 2         | 17.59                 | 17.61                | 17.63                |                              | 0        |
|                                        | 1       | 5         | 17.64                 | 17.68                | 17.68                |                              | 0        |
|                                        | 3       | 0         | 17.60                 | 17.64                | 17.59                |                              | 0        |
|                                        | 3       | 2         | 17.59                 | 17.70                | 17.54                |                              | 0        |
|                                        | 3       | 3         | 17.53                 | 17.61                | 17.66                |                              | 0        |
|                                        | 6       | 0         | 17.57                 | 17.62                | 17.60                | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 17.45                 | 17.48                | 17.34                | 0-2                          | 0        |
|                                        | 1       | 2         | 17.43                 | 17.44                | 17.42                |                              | 0        |
|                                        | 1       | 5         | 17.31                 | 17.54                | 17.43                |                              | 0        |
|                                        | 3       | 0         | 17.36                 | 17.38                | 17.34                |                              | 0        |
|                                        | 3       | 2         | 17.33                 | 17.46                | 17.33                |                              | 0        |
|                                        | 3       | 3         | 17.32                 | 17.45                | 17.36                |                              | 0        |
|                                        | 6       | 0         | 17.29                 | 17.40                | 17.28                | 0-3                          | 0        |

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 80 of 297                         |

**Table 8-69**  
**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         | 20.70                    | 0                            | 0        |
|                                       | 1       | 25        | 20.63                    |                              | 0        |
|                                       | 1       | 49        | 20.71                    |                              | 0        |
|                                       | 25      | 0         | 20.67                    | 0-1                          | 0        |
|                                       | 25      | 12        | 20.65                    |                              | 0        |
|                                       | 25      | 25        | 20.68                    |                              | 0        |
| 16QAM                                 | 50      | 0         | 20.64                    | 0-1                          | 0        |
|                                       | 1       | 0         | 20.69                    |                              | 0        |
|                                       | 1       | 25        | 20.61                    |                              | 0        |
|                                       | 1       | 49        | 20.73                    | 0-2                          | 0        |
|                                       | 25      | 0         | 20.53                    |                              | 0        |
|                                       | 25      | 12        | 20.53                    |                              | 0        |
| 64QAM                                 | 25      | 25        | 20.55                    | 0-2                          | 0        |
|                                       | 50      | 0         | 20.56                    |                              | 0        |
|                                       | 1       | 0         | 20.69                    | 0-2                          | 0        |
|                                       | 1       | 25        | 20.57                    |                              | 0        |
|                                       | 1       | 49        | 20.64                    |                              | 0        |
|                                       | 25      | 0         | 20.51                    | 0-3                          | 0        |
|                                       | 25      | 12        | 20.54                    |                              | 0        |
|                                       | 25      | 25        | 20.55                    |                              | 0        |
|                                       | 50      | 0         | 20.56                    |                              | 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 8-70**  
**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         | 20.92                 | 20.59                | 21.08                | 0                            | 0        |
|                                      | 1       | 12        | 20.97                 | 20.56                | 20.94                |                              | 0        |
|                                      | 1       | 24        | 21.02                 | 20.63                | 20.90                |                              | 0        |
|                                      | 12      | 0         | 20.89                 | 20.68                | 20.90                | 0-1                          | 0        |
|                                      | 12      | 6         | 20.90                 | 20.64                | 20.81                |                              | 0        |
|                                      | 12      | 13        | 20.93                 | 20.63                | 20.79                |                              | 0        |
| 16QAM                                | 25      | 0         | 20.92                 | 20.66                | 20.81                | 0-1                          | 0        |
|                                      | 1       | 0         | 21.11                 | 20.85                | 21.13                |                              | 0        |
|                                      | 1       | 12        | 21.19                 | 20.91                | 21.07                |                              | 0        |
|                                      | 1       | 24        | 21.14                 | 20.99                | 20.99                | 0-2                          | 0        |
|                                      | 12      | 0         | 20.94                 | 20.73                | 20.95                |                              | 0        |
|                                      | 12      | 6         | 20.98                 | 20.71                | 20.87                |                              | 0        |
| 64QAM                                | 12      | 13        | 20.99                 | 20.68                | 20.78                | 0-2                          | 0        |
|                                      | 25      | 0         | 20.97                 | 20.67                | 20.85                |                              | 0        |
|                                      | 1       | 0         | 21.12                 | 20.84                | 21.20                |                              | 0-2      |
|                                      | 1       | 12        | 21.16                 | 20.85                | 21.03                | 0                            |          |
|                                      | 1       | 24        | 21.19                 | 20.90                | 21.07                | 0-3                          |          |
|                                      | 12      | 0         | 20.97                 | 20.74                | 20.94                |                              | 0        |
| 12                                   | 6       | 20.96     | 20.70                 | 20.86                | 0                    |                              |          |
| 12                                   | 13      | 20.96     | 20.67                 | 20.83                | 0                    |                              |          |
|                                      | 25      | 0         | 20.96                 | 20.71                | 20.82                |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 81 of 297                  |

**Table 8-71**  
**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         | 20.94                 | 20.65                | 20.73                | 0                            | 0        |
|                                      | 1       | 7         | 21.07                 | 20.70                | 20.74                |                              | 0        |
|                                      | 1       | 14        | 21.03                 | 20.66                | 20.66                |                              | 0        |
|                                      | 8       | 0         | 20.89                 | 20.72                | 20.86                | 0-1                          | 0        |
|                                      | 8       | 4         | 20.95                 | 20.72                | 20.84                |                              | 0        |
|                                      | 8       | 7         | 20.96                 | 20.71                | 20.78                |                              | 0        |
|                                      | 15      | 0         | 20.95                 | 20.74                | 20.84                |                              | 0        |
| 16QAM                                | 1       | 0         | 20.95                 | 20.85                | 21.07                | 0-1                          | 0        |
|                                      | 1       | 7         | 21.02                 | 20.86                | 21.10                |                              | 0        |
|                                      | 1       | 14        | 20.91                 | 20.80                | 20.90                |                              | 0        |
|                                      | 8       | 0         | 20.98                 | 20.85                | 20.90                | 0-2                          | 0        |
|                                      | 8       | 4         | 21.01                 | 20.77                | 20.85                |                              | 0        |
|                                      | 8       | 7         | 21.02                 | 20.77                | 20.74                |                              | 0        |
|                                      | 15      | 0         | 20.97                 | 20.78                | 20.89                |                              | 0        |
| 64QAM                                | 1       | 0         | 20.90                 | 20.82                | 21.03                | 0-2                          | 0        |
|                                      | 1       | 7         | 21.01                 | 20.80                | 21.04                |                              | 0        |
|                                      | 1       | 14        | 20.91                 | 20.88                | 20.89                |                              | 0        |
|                                      | 8       | 0         | 20.96                 | 20.80                | 20.92                | 0-3                          | 0        |
|                                      | 8       | 4         | 21.03                 | 20.78                | 20.87                |                              | 0        |
|                                      | 8       | 7         | 20.97                 | 20.78                | 20.79                |                              | 0        |
|                                      | 15      | 0         | 20.97                 | 20.77                | 20.87                |                              | 0        |

**Table 8-72**  
**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         | 21.01                 | 20.68                | 20.97                | 0                            | 0        |
|                                        | 1       | 2         | 20.98                 | 20.66                | 20.87                |                              | 0        |
|                                        | 1       | 5         | 21.06                 | 20.72                | 20.94                |                              | 0        |
|                                        | 3       | 0         | 20.89                 | 20.73                | 20.77                |                              | 0        |
|                                        | 3       | 2         | 20.89                 | 20.70                | 20.75                |                              | 0        |
|                                        | 3       | 3         | 20.89                 | 20.73                | 20.74                |                              | 0        |
|                                        | 6       | 0         | 20.90                 | 20.70                | 20.71                | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 20.81                 | 20.97                | 20.93                | 0-1                          | 0        |
|                                        | 1       | 2         | 21.03                 | 20.89                | 20.70                |                              | 0        |
|                                        | 1       | 5         | 21.04                 | 20.95                | 20.66                |                              | 0        |
|                                        | 3       | 0         | 20.94                 | 20.94                | 20.90                |                              | 0        |
|                                        | 3       | 2         | 20.97                 | 20.91                | 20.83                |                              | 0        |
|                                        | 3       | 3         | 21.07                 | 20.90                | 20.79                |                              | 0        |
|                                        | 6       | 0         | 20.96                 | 20.83                | 20.85                | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 20.94                 | 21.00                | 20.73                | 0-2                          | 0        |
|                                        | 1       | 2         | 21.00                 | 20.88                | 21.02                |                              | 0        |
|                                        | 1       | 5         | 21.06                 | 20.87                | 21.04                |                              | 0        |
|                                        | 3       | 0         | 21.07                 | 20.90                | 20.90                |                              | 0        |
|                                        | 3       | 2         | 20.96                 | 20.95                | 20.89                |                              | 0        |
|                                        | 3       | 3         | 20.96                 | 20.94                | 20.86                |                              | 0        |
|                                        | 6       | 0         | 20.94                 | 20.81                | 20.84                | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 82 of 297                  |

**Table 8-73**  
**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)<br>Conducted Power<br>[dBm] |                              |          |
| QPSK                                  | 1       | 0         | 17.94                                            | 0                            | 0        |
|                                       | 1       | 25        | 17.89                                            |                              | 0        |
|                                       | 1       | 49        | 17.95                                            |                              | 0        |
|                                       | 25      | 0         | 17.94                                            | 0-1                          | 0        |
|                                       | 25      | 12        | 17.97                                            |                              | 0        |
|                                       | 25      | 25        | 18.00                                            |                              | 0        |
|                                       | 50      | 0         | 17.92                                            |                              | 0        |
| 16QAM                                 | 1       | 0         | 17.82                                            | 0-1                          | 0        |
|                                       | 1       | 25        | 17.82                                            |                              | 0        |
|                                       | 1       | 49        | 17.93                                            |                              | 0        |
|                                       | 25      | 0         | 17.80                                            | 0-2                          | 0        |
|                                       | 25      | 12        | 17.82                                            |                              | 0        |
|                                       | 25      | 25        | 17.84                                            |                              | 0        |
|                                       | 50      | 0         | 17.77                                            |                              | 0        |
| 64QAM                                 | 1       | 0         | 17.98                                            | 0-2                          | 0        |
|                                       | 1       | 25        | 17.74                                            |                              | 0        |
|                                       | 1       | 49        | 18.00                                            |                              | 0        |
|                                       | 25      | 0         | 17.51                                            | 0-3                          | 0        |
|                                       | 25      | 12        | 17.58                                            |                              | 0        |
|                                       | 25      | 25        | 17.62                                            |                              | 0        |
|                                       | 50      | 0         | 17.52                                            |                              | 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 8-74**  
**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         | 17.84                 | 17.77                | 17.96                | 0                            | 0        |
|                                      | 1       | 12        | 17.90                 | 17.78                | 17.78                |                              | 0        |
|                                      | 1       | 24        | 17.95                 | 17.89                | 17.73                |                              | 0        |
|                                      | 12      | 0         | 17.96                 | 17.79                | 18.00                | 0-1                          | 0        |
|                                      | 12      | 6         | 17.96                 | 17.75                | 17.92                |                              | 0        |
|                                      | 12      | 13        | 17.98                 | 17.74                | 17.88                |                              | 0        |
|                                      | 25      | 0         | 17.98                 | 17.77                | 17.93                |                              | 0        |
| 16QAM                                | 1       | 0         | 17.82                 | 17.67                | 17.82                | 0-1                          | 0        |
|                                      | 1       | 12        | 17.89                 | 17.74                | 17.74                |                              | 0        |
|                                      | 1       | 24        | 17.99                 | 17.75                | 17.68                |                              | 0        |
|                                      | 12      | 0         | 17.76                 | 17.66                | 17.82                | 0-2                          | 0        |
|                                      | 12      | 6         | 17.78                 | 17.65                | 17.74                |                              | 0        |
|                                      | 12      | 13        | 17.82                 | 17.63                | 17.73                |                              | 0        |
|                                      | 25      | 0         | 17.78                 | 17.63                | 17.75                |                              | 0        |
| 64QAM                                | 1       | 0         | 17.83                 | 17.91                | 17.98                | 0-2                          | 0        |
|                                      | 1       | 12        | 17.79                 | 17.88                | 17.84                |                              | 0        |
|                                      | 1       | 24        | 17.94                 | 17.88                | 17.91                |                              | 0        |
|                                      | 12      | 0         | 17.73                 | 17.70                | 17.89                | 0-3                          | 0        |
|                                      | 12      | 6         | 17.76                 | 17.65                | 17.74                |                              | 0        |
|                                      | 12      | 13        | 17.75                 | 17.66                | 17.73                |                              | 0        |
|                                      | 25      | 0         | 17.76                 | 17.67                | 17.72                |                              | 0        |

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 83 of 297                         |

**Table 8-75**  
**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         | 17.80                 | 17.73                | 17.86                | 0                            | 0        |
|                                      | 1       | 7         | 17.94                 | 17.76                | 17.88                |                              | 0        |
|                                      | 1       | 14        | 17.90                 | 17.71                | 17.78                |                              | 0        |
|                                      | 8       | 0         | 17.94                 | 17.85                | 17.98                | 0-1                          | 0        |
|                                      | 8       | 4         | 17.95                 | 17.82                | 17.95                |                              | 0        |
|                                      | 8       | 7         | 17.96                 | 17.80                | 17.95                |                              | 0        |
|                                      | 15      | 0         | 17.94                 | 17.86                | 17.97                |                              | 0        |
| 16QAM                                | 1       | 0         | 17.74                 | 17.61                | 17.85                | 0-1                          | 0        |
|                                      | 1       | 7         | 17.83                 | 17.68                | 17.87                |                              | 0        |
|                                      | 1       | 14        | 17.84                 | 17.63                | 17.77                |                              | 0        |
|                                      | 8       | 0         | 17.70                 | 17.68                | 17.85                | 0-2                          | 0        |
|                                      | 8       | 4         | 17.77                 | 17.64                | 17.82                |                              | 0        |
|                                      | 8       | 7         | 17.81                 | 17.67                | 17.77                |                              | 0        |
|                                      | 15      | 0         | 17.81                 | 17.75                | 17.78                |                              | 0        |
| 64QAM                                | 1       | 0         | 17.69                 | 17.81                | 17.98                | 0-2                          | 0        |
|                                      | 1       | 7         | 17.88                 | 17.82                | 17.97                |                              | 0        |
|                                      | 1       | 14        | 17.85                 | 17.60                | 17.86                |                              | 0        |
|                                      | 8       | 0         | 17.70                 | 17.65                | 17.85                | 0-3                          | 0        |
|                                      | 8       | 4         | 17.86                 | 17.64                | 17.78                |                              | 0        |
|                                      | 8       | 7         | 17.84                 | 17.64                | 17.76                |                              | 0        |
|                                      | 15      | 0         | 17.83                 | 17.71                | 17.75                |                              | 0        |

**Table 8-76**  
**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         | 17.55                 | 17.70                | 17.74                | 0                            | 0        |
|                                        | 1       | 2         | 17.54                 | 17.69                | 17.69                |                              | 0        |
|                                        | 1       | 5         | 17.65                 | 17.68                | 17.69                |                              | 0        |
|                                        | 3       | 0         | 17.61                 | 17.62                | 17.59                |                              | 0        |
|                                        | 3       | 2         | 17.62                 | 17.60                | 17.60                |                              | 0        |
|                                        | 3       | 3         | 17.63                 | 17.61                | 17.59                |                              | 0        |
|                                        | 6       | 0         | 17.62                 | 17.62                | 17.60                | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 17.82                 | 17.78                | 17.73                | 0-1                          | 0        |
|                                        | 1       | 2         | 17.77                 | 17.79                | 17.77                |                              | 0        |
|                                        | 1       | 5         | 17.86                 | 17.77                | 17.75                |                              | 0        |
|                                        | 3       | 0         | 17.71                 | 17.75                | 17.66                |                              | 0        |
|                                        | 3       | 2         | 17.76                 | 17.74                | 17.73                |                              | 0        |
|                                        | 3       | 3         | 17.74                 | 17.69                | 17.71                |                              | 0        |
|                                        | 6       | 0         | 17.64                 | 17.71                | 17.68                | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 17.72                 | 17.82                | 17.80                | 0-2                          | 0        |
|                                        | 1       | 2         | 17.78                 | 17.76                | 17.75                |                              | 0        |
|                                        | 1       | 5         | 17.76                 | 17.80                | 17.78                |                              | 0        |
|                                        | 3       | 0         | 17.61                 | 17.78                | 17.80                |                              | 0        |
|                                        | 3       | 2         | 17.64                 | 17.72                | 17.72                |                              | 0        |
|                                        | 3       | 3         | 17.72                 | 17.74                | 17.70                |                              | 0        |
|                                        | 6       | 0         | 17.70                 | 17.68                | 17.64                | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 84 of 297                  |

### 8.3.7

### LTE Band 4

**Table 8-77**  
**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         | 14.27                    | 0                            | 0        |
|                                      | 1       | 50        | 14.47                    |                              | 0        |
|                                      | 1       | 99        | 14.73                    |                              | 0        |
|                                      | 50      | 0         | 14.51                    | 0-1                          | 0        |
|                                      | 50      | 25        | 14.58                    |                              | 0        |
|                                      | 50      | 50        | 14.72                    |                              | 0        |
|                                      | 100     | 0         | 14.58                    |                              | 0        |
| 16QAM                                | 1       | 0         | 14.30                    | 0-1                          | 0        |
|                                      | 1       | 50        | 14.55                    |                              | 0        |
|                                      | 1       | 99        | 14.85                    |                              | 0        |
|                                      | 50      | 0         | 14.29                    | 0-2                          | 0        |
|                                      | 50      | 25        | 14.34                    |                              | 0        |
|                                      | 50      | 50        | 14.48                    |                              | 0        |
|                                      | 100     | 0         | 14.34                    |                              | 0        |
| 64QAM                                | 1       | 0         | 14.61                    | 0-2                          | 0        |
|                                      | 1       | 50        | 14.57                    |                              | 0        |
|                                      | 1       | 99        | 14.62                    |                              | 0        |
|                                      | 50      | 0         | 14.11                    | 0-3                          | 0        |
|                                      | 50      | 25        | 14.23                    |                              | 0        |
|                                      | 50      | 50        | 14.34                    |                              | 0        |
|                                      | 100     | 0         | 14.26                    |                              | 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 8-78**  
**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         | 14.83                 | 14.32                 | 14.65                 | 0                            | 0        |
|                                      | 1       | 36        | 14.69                 | 14.34                 | 14.65                 |                              | 0        |
|                                      | 1       | 74        | 14.40                 | 14.48                 | 14.42                 |                              | 0        |
|                                      | 36      | 0         | 14.81                 | 14.25                 | 14.61                 | 0-1                          | 0        |
|                                      | 36      | 18        | 14.61                 | 14.36                 | 14.63                 |                              | 0        |
|                                      | 36      | 37        | 14.48                 | 14.46                 | 14.56                 |                              | 0        |
|                                      | 75      | 0         | 14.59                 | 14.33                 | 14.58                 |                              | 0        |
| 16QAM                                | 1       | 0         | 14.72                 | 14.38                 | 14.79                 | 0-1                          | 0        |
|                                      | 1       | 36        | 14.50                 | 14.45                 | 14.84                 |                              | 0        |
|                                      | 1       | 74        | 14.30                 | 14.64                 | 14.57                 |                              | 0        |
|                                      | 36      | 0         | 14.55                 | 14.02                 | 14.38                 | 0-2                          | 0        |
|                                      | 36      | 18        | 14.36                 | 14.17                 | 14.41                 |                              | 0        |
|                                      | 36      | 37        | 14.24                 | 14.25                 | 14.34                 |                              | 0        |
|                                      | 75      | 0         | 14.33                 | 14.12                 | 14.36                 |                              | 0        |
| 64QAM                                | 1       | 0         | 14.81                 | 14.35                 | 14.64                 | 0-2                          | 0        |
|                                      | 1       | 36        | 14.68                 | 14.29                 | 14.58                 |                              | 0        |
|                                      | 1       | 74        | 14.38                 | 14.53                 | 14.36                 |                              | 0        |
|                                      | 36      | 0         | 14.55                 | 14.01                 | 14.29                 | 0-3                          | 0        |
|                                      | 36      | 18        | 14.34                 | 14.15                 | 14.33                 |                              | 0        |
|                                      | 36      | 37        | 14.23                 | 14.29                 | 14.30                 |                              | 0        |
|                                      | 75      | 0         | 14.33                 | 14.17                 | 14.32                 |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 85 of 297                  |

**Table 8-79**  
**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         | 14.69                 | 14.23                 | 14.58                 | 0                            | 0        |
|                                      | 1       | 25        | 14.70                 | 14.24                 | 14.48                 |                              | 0        |
|                                      | 1       | 49        | 14.62                 | 14.36                 | 14.42                 |                              | 0        |
|                                      | 25      | 0         | 14.81                 | 14.24                 | 14.58                 | 0-1                          | 0        |
|                                      | 25      | 12        | 14.81                 | 14.30                 | 14.52                 |                              | 0        |
|                                      | 25      | 25        | 14.78                 | 14.34                 | 14.50                 |                              | 0        |
| 50                                   | 0       | 14.85     | 14.32                 | 14.53                 | 0                     |                              |          |
| 16QAM                                | 1       | 0         | 14.83                 | 14.58                 | 14.52                 | 0-1                          | 0        |
|                                      | 1       | 25        | 14.82                 | 14.58                 | 14.26                 |                              | 0        |
|                                      | 1       | 49        | 14.80                 | 14.64                 | 14.29                 |                              | 0        |
|                                      | 25      | 0         | 14.55                 | 14.16                 | 14.27                 | 0-2                          | 0        |
|                                      | 25      | 12        | 14.55                 | 14.13                 | 14.20                 |                              | 0        |
|                                      | 25      | 25        | 14.51                 | 14.23                 | 14.11                 |                              | 0        |
| 50                                   | 0       | 14.57     | 14.19                 | 14.17                 | 0                     |                              |          |
| 64QAM                                | 1       | 0         | 14.80                 | 14.48                 | 14.66                 | 0-2                          | 0        |
|                                      | 1       | 25        | 14.81                 | 14.50                 | 14.48                 |                              | 0        |
|                                      | 1       | 49        | 14.79                 | 14.57                 | 14.47                 |                              | 0        |
|                                      | 25      | 0         | 14.56                 | 14.07                 | 14.29                 | 0-3                          | 0        |
|                                      | 25      | 12        | 14.51                 | 14.11                 | 14.16                 |                              | 0        |
|                                      | 25      | 25        | 14.51                 | 14.09                 | 14.25                 |                              | 0        |
| 50                                   | 0       | 14.55     | 14.19                 | 14.27                 | 0                     |                              |          |

**Table 8-80**  
**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         | 14.80                 | 14.31                 | 14.55                 | 0                            | 0        |
|                                     | 1       | 12        | 14.71                 | 14.33                 | 14.55                 |                              | 0        |
|                                     | 1       | 24        | 14.57                 | 14.53                 | 14.47                 |                              | 0        |
|                                     | 12      | 0         | 14.83                 | 14.35                 | 14.54                 | 0-1                          | 0        |
|                                     | 12      | 6         | 14.77                 | 14.37                 | 14.53                 |                              | 0        |
|                                     | 12      | 13        | 14.60                 | 14.46                 | 14.45                 |                              | 0        |
|                                     | 25      | 0         | 14.71                 | 14.37                 | 14.52                 | 0                            |          |
| 16QAM                               | 1       | 0         | 14.82                 | 14.35                 | 14.78                 | 0-1                          | 0        |
|                                     | 1       | 12        | 14.80                 | 14.43                 | 14.67                 |                              | 0        |
|                                     | 1       | 24        | 14.61                 | 14.69                 | 14.52                 |                              | 0        |
|                                     | 12      | 0         | 14.64                 | 14.16                 | 14.33                 | 0-2                          | 0        |
|                                     | 12      | 6         | 14.51                 | 14.16                 | 14.33                 |                              | 0        |
|                                     | 12      | 13        | 14.34                 | 14.26                 | 14.23                 |                              | 0        |
|                                     | 25      | 0         | 14.48                 | 14.14                 | 14.32                 | 0                            |          |
| 64QAM                               | 1       | 0         | 14.78                 | 14.26                 | 14.52                 | 0-2                          | 0        |
|                                     | 1       | 12        | 14.68                 | 14.24                 | 14.55                 |                              | 0        |
|                                     | 1       | 24        | 14.56                 | 14.60                 | 14.28                 |                              | 0        |
|                                     | 12      | 0         | 14.56                 | 14.07                 | 14.30                 | 0-3                          | 0        |
|                                     | 12      | 6         | 14.50                 | 14.13                 | 14.29                 |                              | 0        |
|                                     | 12      | 13        | 14.33                 | 14.21                 | 14.23                 |                              | 0        |
|                                     | 25      | 0         | 14.44                 | 14.15                 | 14.34                 | 0                            |          |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 86 of 297                         |

**Table 8-81**  
**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         | 14.71                 | 14.39                 | 14.41                 | 0                            | 0        |
|                                     | 1       | 7         | 14.69                 | 14.38                 | 14.39                 |                              | 0        |
|                                     | 1       | 14        | 14.70                 | 14.38                 | 14.38                 |                              | 0        |
|                                     | 8       | 0         | 14.57                 | 14.34                 | 14.38                 | 0-1                          | 0        |
|                                     | 8       | 4         | 14.57                 | 14.31                 | 14.39                 |                              | 0        |
|                                     | 8       | 7         | 14.57                 | 14.32                 | 14.35                 |                              | 0        |
| 16QAM                               | 15      | 0         | 14.64                 | 14.35                 | 14.37                 | 0                            |          |
|                                     | 1       | 0         | 14.82                 | 14.60                 | 14.55                 | 0-1                          | 0        |
|                                     | 1       | 7         | 14.85                 | 14.53                 | 14.63                 |                              | 0        |
|                                     | 1       | 14        | 14.81                 | 14.48                 | 14.55                 |                              | 0        |
|                                     | 8       | 0         | 14.65                 | 14.15                 | 14.31                 | 0-2                          | 0        |
|                                     | 8       | 4         | 14.62                 | 14.16                 | 14.29                 |                              | 0        |
| 8                                   | 7       | 14.59     | 14.11                 | 14.19                 | 0                     |                              |          |
| 64QAM                               | 15      | 0         | 14.53                 | 14.11                 | 14.20                 | 0                            |          |
|                                     | 1       | 0         | 14.85                 | 14.48                 | 14.71                 | 0-2                          | 0        |
|                                     | 1       | 7         | 14.82                 | 14.45                 | 14.80                 |                              | 0        |
|                                     | 1       | 14        | 14.81                 | 14.57                 | 14.65                 |                              | 0        |
|                                     | 8       | 0         | 14.66                 | 14.22                 | 14.25                 | 0-3                          | 0        |
|                                     | 8       | 4         | 14.53                 | 14.19                 | 14.35                 |                              | 0        |
| 8                                   | 7       | 14.55     | 14.25                 | 14.22                 | 0                     |                              |          |
|                                     | 15      | 0         | 14.55                 | 14.17                 | 14.18                 | 0                            |          |

**Table 8-82**  
**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         | 14.67                 | 14.28                 | 14.35                 | 0                            | 0        |
|                                       | 1       | 2         | 14.69                 | 14.36                 | 14.38                 |                              | 0        |
|                                       | 1       | 5         | 14.70                 | 14.33                 | 14.26                 |                              | 0        |
|                                       | 3       | 0         | 14.71                 | 14.34                 | 14.46                 |                              | 0        |
|                                       | 3       | 2         | 14.70                 | 14.30                 | 14.41                 |                              | 0        |
|                                       | 3       | 3         | 14.71                 | 14.37                 | 14.42                 |                              | 0        |
|                                       | 6       | 0         | 14.72                 | 14.33                 | 14.45                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 14.82                 | 14.40                 | 14.42                 | 0-1                          | 0        |
|                                       | 1       | 2         | 14.84                 | 14.56                 | 14.47                 |                              | 0        |
|                                       | 1       | 5         | 14.79                 | 14.49                 | 14.30                 |                              | 0        |
|                                       | 3       | 0         | 14.51                 | 14.13                 | 14.12                 |                              | 0        |
|                                       | 3       | 2         | 14.51                 | 14.14                 | 14.18                 |                              | 0        |
|                                       | 3       | 3         | 14.47                 | 14.23                 | 14.24                 |                              | 0        |
|                                       | 6       | 0         | 14.62                 | 14.16                 | 14.17                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 14.66                 | 14.53                 | 14.24                 | 0-2                          | 0        |
|                                       | 1       | 2         | 14.60                 | 14.32                 | 14.43                 |                              | 0        |
|                                       | 1       | 5         | 14.80                 | 14.43                 | 14.31                 |                              | 0        |
|                                       | 3       | 0         | 14.49                 | 14.21                 | 14.29                 |                              | 0        |
|                                       | 3       | 2         | 14.48                 | 14.22                 | 14.15                 |                              | 0        |
|                                       | 3       | 3         | 14.56                 | 14.18                 | 14.26                 |                              | 0        |
|                                       | 6       | 0         | 14.56                 | 14.17                 | 14.21                 | 0-3                          | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 87 of 297                         |

**Table 8-83**  
**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         | 11.28                    | 0                            | 0        |
|                                      | 1       | 50        | 11.80                    |                              | 0        |
|                                      | 1       | 99        | 11.86                    |                              | 0        |
|                                      | 50      | 0         | 11.73                    | 0-1                          | 0        |
|                                      | 50      | 25        | 11.80                    |                              | 0        |
|                                      | 50      | 50        | 11.85                    |                              | 0        |
| 16QAM                                | 100     | 0         | 11.84                    | 0-1                          | 0        |
|                                      | 1       | 0         | 11.61                    |                              | 0        |
|                                      | 1       | 50        | 11.83                    |                              | 0        |
|                                      | 1       | 99        | 11.90                    | 0-2                          | 0        |
|                                      | 50      | 0         | 11.65                    |                              | 0        |
|                                      | 50      | 25        | 11.68                    |                              | 0        |
| 64QAM                                | 50      | 50        | 11.88                    | 0-2                          | 0        |
|                                      | 100     | 0         | 11.70                    |                              | 0        |
|                                      | 1       | 0         | 11.32                    | 0-3                          | 0        |
|                                      | 1       | 50        | 11.62                    |                              | 0        |
|                                      | 1       | 99        | 11.82                    |                              | 0        |
|                                      | 50      | 0         | 11.42                    | 0-3                          | 0        |
|                                      | 50      | 25        | 11.45                    |                              | 0        |
|                                      | 50      | 50        | 11.74                    |                              | 0        |
|                                      | 100     | 0         | 11.47                    |                              | 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 8-84**  
**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         | 11.90                 | 11.67                 | 11.89                 | 0                            | 0        |
|                                      | 1       | 36        | 11.87                 | 11.85                 | 11.75                 |                              | 0        |
|                                      | 1       | 74        | 11.70                 | 11.89                 | 11.75                 |                              | 0        |
|                                      | 36      | 0         | 11.88                 | 11.82                 | 11.90                 | 0-1                          | 0        |
|                                      | 36      | 18        | 11.86                 | 11.87                 | 11.90                 |                              | 0        |
|                                      | 36      | 37        | 11.74                 | 11.90                 | 11.87                 |                              | 0        |
|                                      | 75      | 0         | 11.85                 | 11.88                 | 11.89                 |                              | 0        |
| 16QAM                                | 1       | 0         | 11.90                 | 11.51                 | 11.87                 | 0-1                          | 0        |
|                                      | 1       | 36        | 11.75                 | 11.68                 | 11.80                 |                              | 0        |
|                                      | 1       | 74        | 11.55                 | 11.89                 | 11.56                 |                              | 0        |
|                                      | 36      | 0         | 11.85                 | 11.60                 | 11.87                 | 0-2                          | 0        |
|                                      | 36      | 18        | 11.68                 | 11.65                 | 11.79                 |                              | 0        |
|                                      | 36      | 37        | 11.53                 | 11.84                 | 11.72                 |                              | 0        |
|                                      | 75      | 0         | 11.70                 | 11.64                 | 11.79                 |                              | 0        |
| 64QAM                                | 1       | 0         | 11.73                 | 11.47                 | 11.90                 | 0-2                          | 0        |
|                                      | 1       | 36        | 11.56                 | 11.53                 | 11.60                 |                              | 0        |
|                                      | 1       | 74        | 11.32                 | 11.75                 | 11.58                 |                              | 0        |
|                                      | 36      | 0         | 11.59                 | 11.41                 | 11.79                 | 0-3                          | 0        |
|                                      | 36      | 18        | 11.45                 | 11.42                 | 11.61                 |                              | 0        |
|                                      | 36      | 37        | 11.34                 | 11.63                 | 11.63                 |                              | 0        |
|                                      | 75      | 0         | 11.45                 | 11.43                 | 11.60                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 88 of 297                  |

**Table 8-85**  
**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         | 11.88                 | 11.72                 | 11.89                 | 0                            | 0        |
|                                      | 1       | 25        | 11.85                 | 11.80                 | 11.77                 |                              | 0        |
|                                      | 1       | 49        | 11.72                 | 11.90                 | 11.75                 |                              | 0        |
|                                      | 25      | 0         | 11.90                 | 11.86                 | 11.87                 | 0-1                          | 0        |
|                                      | 25      | 12        | 11.88                 | 11.86                 | 11.85                 |                              | 0        |
|                                      | 25      | 25        | 11.84                 | 11.86                 | 11.81                 |                              | 0        |
| 16QAM                                | 50      | 0         | 11.87                 | 11.86                 | 11.85                 | 0-1                          | 0        |
|                                      | 1       | 0         | 11.88                 | 11.58                 | 11.82                 |                              | 0        |
|                                      | 1       | 25        | 11.89                 | 11.62                 | 11.81                 |                              | 0        |
|                                      | 1       | 49        | 11.70                 | 11.90                 | 11.69                 | 0-2                          | 0        |
|                                      | 25      | 0         | 11.87                 | 11.54                 | 11.75                 |                              | 0        |
|                                      | 25      | 12        | 11.74                 | 11.54                 | 11.74                 |                              | 0        |
| 64QAM                                | 25      | 25        | 11.66                 | 11.73                 | 11.67                 | 0-2                          | 0        |
|                                      | 50      | 0         | 11.76                 | 11.57                 | 11.72                 |                              | 0        |
|                                      | 1       | 0         | 11.80                 | 11.52                 | 11.87                 |                              | 0-3      |
|                                      | 1       | 25        | 11.56                 | 11.38                 | 11.65                 | 0                            |          |
|                                      | 1       | 49        | 11.63                 | 11.67                 | 11.58                 | 0                            |          |
|                                      | 25      | 0         | 11.66                 | 11.42                 | 11.59                 | 0-3                          | 0        |
| 25                                   | 12      | 11.52     | 11.46                 | 11.58                 | 0                     |                              |          |
| 25                                   | 25      | 11.48     | 11.61                 | 11.55                 | 0                     |                              |          |
|                                      | 50      | 0         | 11.53                 | 11.45                 | 11.53                 |                              | 0        |

**Table 8-86**  
**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         | 11.68                 | 11.65                 | 11.56                 | 0                            | 0        |   |
|                                     | 1       | 12        | 11.71                 | 11.62                 | 11.44                 |                              | 0        |   |
|                                     | 1       | 24        | 11.64                 | 11.80                 | 11.42                 |                              | 0        |   |
|                                     | 12      | 0         | 11.76                 | 11.53                 | 11.72                 | 0-1                          | 0        |   |
|                                     | 12      | 6         | 11.76                 | 11.54                 | 11.57                 |                              | 0        |   |
|                                     | 12      | 13        | 11.75                 | 11.62                 | 11.57                 |                              | 0        |   |
| 16QAM                               | 25      | 0         | 11.80                 | 11.55                 | 11.59                 | 0                            | 0        |   |
|                                     | 1       | 0         | 11.87                 | 11.82                 | 11.73                 |                              | 0-1      | 0 |
|                                     | 1       | 12        | 11.90                 | 11.75                 | 11.63                 |                              |          | 0 |
|                                     | 1       | 24        | 11.87                 | 11.90                 | 11.64                 | 0-2                          |          | 0 |
|                                     | 12      | 0         | 11.88                 | 11.68                 | 11.75                 |                              | 0        |   |
|                                     | 12      | 6         | 11.89                 | 11.70                 | 11.62                 |                              | 0        |   |
| 64QAM                               | 12      | 13        | 11.88                 | 11.75                 | 11.62                 | 0                            | 0        |   |
|                                     | 25      | 0         | 11.87                 | 11.71                 | 11.64                 |                              | 0        |   |
|                                     | 1       | 0         | 11.87                 | 11.65                 | 11.62                 |                              | 0-2      | 0 |
|                                     | 1       | 12        | 11.74                 | 11.52                 | 11.49                 | 0                            |          |   |
|                                     | 1       | 24        | 11.74                 | 11.71                 | 11.45                 | 0-3                          |          | 0 |
|                                     | 12      | 0         | 11.65                 | 11.47                 | 11.49                 |                              | 0        |   |
| 12                                  | 6       | 11.67     | 11.41                 | 11.43                 | 0                     |                              |          |   |
|                                     | 12      | 13        | 11.64                 | 11.49                 | 11.42                 | 0                            | 0        |   |
|                                     | 25      | 0         | 11.68                 | 11.42                 | 11.43                 |                              | 0        |   |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 89 of 297                         |

**Table 8-87**  
**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         | 11.66                 | 11.50                 | 11.47                 | 0                            | 0        |
|                                     | 1       | 7         | 11.72                 | 11.59                 | 11.51                 |                              | 0        |
|                                     | 1       | 14        | 11.69                 | 11.60                 | 11.42                 |                              | 0        |
|                                     | 8       | 0         | 11.79                 | 11.64                 | 11.58                 | 0-1                          | 0        |
|                                     | 8       | 4         | 11.79                 | 11.62                 | 11.59                 |                              | 0        |
|                                     | 8       | 7         | 11.81                 | 11.72                 | 11.57                 |                              | 0        |
|                                     | 15      | 0         | 11.82                 | 11.65                 | 11.59                 |                              | 0        |
| 16QAM                               | 1       | 0         | 11.75                 | 11.65                 | 11.60                 | 0-1                          | 0        |
|                                     | 1       | 7         | 11.77                 | 11.70                 | 11.61                 |                              | 0        |
|                                     | 1       | 14        | 11.87                 | 11.77                 | 11.45                 |                              | 0        |
|                                     | 8       | 0         | 11.76                 | 11.71                 | 11.55                 | 0-2                          | 0        |
|                                     | 8       | 4         | 11.82                 | 11.66                 | 11.53                 |                              | 0        |
|                                     | 8       | 7         | 11.82                 | 11.70                 | 11.50                 |                              | 0        |
|                                     | 15      | 0         | 11.81                 | 11.62                 | 11.50                 |                              | 0        |
| 64QAM                               | 1       | 0         | 11.65                 | 11.53                 | 11.56                 | 0-2                          | 0        |
|                                     | 1       | 7         | 11.78                 | 11.69                 | 11.61                 |                              | 0        |
|                                     | 1       | 14        | 11.73                 | 11.70                 | 11.48                 |                              | 0        |
|                                     | 8       | 0         | 11.55                 | 11.50                 | 11.42                 | 0-3                          | 0        |
|                                     | 8       | 4         | 11.61                 | 11.47                 | 11.41                 |                              | 0        |
|                                     | 8       | 7         | 11.62                 | 11.52                 | 11.44                 |                              | 0        |
|                                     | 15      | 0         | 11.57                 | 11.48                 | 11.40                 |                              | 0        |

**Table 8-88**  
**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         | 11.84                 | 11.61                 | 11.53                 | 0                            | 0        |
|                                       | 1       | 2         | 11.79                 | 11.60                 | 11.50                 |                              | 0        |
|                                       | 1       | 5         | 11.83                 | 11.61                 | 11.52                 |                              | 0        |
|                                       | 3       | 0         | 11.73                 | 11.68                 | 11.60                 |                              | 0        |
|                                       | 3       | 2         | 11.74                 | 11.64                 | 11.61                 |                              | 0        |
|                                       | 3       | 3         | 11.75                 | 11.65                 | 11.60                 |                              | 0        |
|                                       | 6       | 0         | 11.74                 | 11.65                 | 11.58                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 11.81                 | 11.71                 | 11.55                 | 0-1                          | 0        |
|                                       | 1       | 2         | 11.83                 | 11.57                 | 11.74                 |                              | 0        |
|                                       | 1       | 5         | 11.90                 | 11.73                 | 11.63                 |                              | 0        |
|                                       | 3       | 0         | 11.75                 | 11.54                 | 11.61                 |                              | 0        |
|                                       | 3       | 2         | 11.71                 | 11.64                 | 11.65                 |                              | 0        |
|                                       | 3       | 3         | 11.82                 | 11.59                 | 11.55                 |                              | 0        |
|                                       | 6       | 0         | 11.80                 | 11.62                 | 11.59                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 11.78                 | 11.59                 | 11.57                 | 0-2                          | 0        |
|                                       | 1       | 2         | 11.76                 | 11.62                 | 11.52                 |                              | 0        |
|                                       | 1       | 5         | 11.80                 | 11.34                 | 11.58                 |                              | 0        |
|                                       | 3       | 0         | 11.61                 | 11.54                 | 11.40                 |                              | 0        |
|                                       | 3       | 2         | 11.67                 | 11.48                 | 11.68                 |                              | 0        |
|                                       | 3       | 3         | 11.66                 | 11.50                 | 11.37                 |                              | 0        |
|                                       | 6       | 0         | 11.63                 | 11.41                 | 11.39                 | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 90 of 297                  |

**Table 8-89**  
**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         | 14.78                    | 0                            | 0        |
|                                      | 1       | 50        | 14.89                    |                              | 0        |
|                                      | 1       | 99        | 15.05                    |                              | 0        |
|                                      | 50      | 0         | 14.82                    | 0-1                          | 0        |
|                                      | 50      | 25        | 14.88                    |                              | 0        |
|                                      | 50      | 50        | 15.03                    |                              | 0        |
| 16QAM                                | 100     | 0         | 14.85                    | 0-1                          | 0        |
|                                      | 1       | 0         | 14.54                    |                              | 0        |
|                                      | 1       | 50        | 14.70                    |                              | 0        |
|                                      | 1       | 99        | 15.03                    | 0-2                          | 0        |
|                                      | 50      | 0         | 14.67                    |                              | 0        |
|                                      | 50      | 25        | 14.71                    |                              | 0        |
| 64QAM                                | 50      | 50        | 14.95                    | 0-2                          | 0        |
|                                      | 100     | 0         | 14.72                    |                              | 0        |
|                                      | 1       | 0         | 14.64                    | 0-3                          | 0        |
|                                      | 1       | 50        | 14.81                    |                              | 0        |
|                                      | 1       | 99        | 15.03                    |                              | 0        |
|                                      | 50      | 0         | 14.65                    | 0-3                          | 0        |
|                                      | 50      | 25        | 14.73                    |                              | 0        |
|                                      | 50      | 50        | 14.91                    |                              | 0        |
|                                      | 100     | 0         | 14.71                    |                              | 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 8-90**  
**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         | 14.77                 | 14.48                 | 15.00                 | 0                            | 0        |
|                                      | 1       | 36        | 14.65                 | 14.68                 | 14.82                 |                              | 0        |
|                                      | 1       | 74        | 14.38                 | 14.68                 | 14.59                 |                              | 0        |
|                                      | 36      | 0         | 14.90                 | 14.67                 | 14.97                 | 0-1                          | 0        |
|                                      | 36      | 18        | 14.70                 | 14.80                 | 14.74                 |                              | 0        |
|                                      | 36      | 37        | 14.60                 | 14.80                 | 14.68                 |                              | 0        |
| 16QAM                                | 75      | 0         | 14.65                 | 14.78                 | 14.73                 | 0-1                          | 0        |
|                                      | 1       | 0         | 14.96                 | 14.67                 | 15.10                 |                              | 0        |
|                                      | 1       | 36        | 14.81                 | 14.82                 | 15.05                 |                              | 0        |
|                                      | 1       | 74        | 14.42                 | 14.70                 | 14.62                 | 0-2                          | 0        |
|                                      | 36      | 0         | 14.93                 | 14.71                 | 15.02                 |                              | 0        |
|                                      | 36      | 18        | 14.73                 | 14.86                 | 14.78                 |                              | 0        |
| 64QAM                                | 36      | 37        | 14.63                 | 14.84                 | 14.68                 | 0-2                          | 0        |
|                                      | 75      | 0         | 14.66                 | 14.81                 | 14.74                 |                              | 0        |
|                                      | 1       | 0         | 14.93                 | 14.88                 | 15.10                 | 0-2                          | 0        |
|                                      | 1       | 36        | 14.70                 | 15.01                 | 14.82                 |                              | 0        |
|                                      | 1       | 74        | 14.64                 | 15.00                 | 14.69                 |                              | 0        |
|                                      | 36      | 0         | 14.96                 | 14.71                 | 15.01                 | 0-3                          | 0        |
|                                      | 36      | 18        | 14.76                 | 14.84                 | 14.79                 |                              | 0        |
|                                      | 36      | 37        | 14.61                 | 14.85                 | 14.70                 |                              | 0        |
|                                      | 75      | 0         | 14.68                 | 14.80                 | 14.73                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 91 of 297                  |

**Table 8-91**  
**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         | 14.89                 | 14.70                 | 14.78                 | 0                            | 0        |
|                                      | 1       | 25        | 14.75                 | 14.75                 | 14.61                 |                              | 0        |
|                                      | 1       | 49        | 14.60                 | 14.78                 | 14.46                 |                              | 0        |
|                                      | 25      | 0         | 14.97                 | 14.77                 | 14.74                 | 0-1                          | 0        |
|                                      | 25      | 12        | 14.90                 | 14.82                 | 14.70                 |                              | 0        |
|                                      | 25      | 25        | 14.73                 | 14.86                 | 14.60                 |                              | 0        |
| 16QAM                                | 50      | 0         | 14.83                 | 14.83                 | 14.71                 | 0                            |          |
|                                      | 1       | 0         | 15.10                 | 14.86                 | 14.90                 | 0-1                          | 0        |
|                                      | 1       | 25        | 14.94                 | 14.89                 | 14.80                 |                              | 0        |
|                                      | 1       | 49        | 14.82                 | 14.89                 | 14.66                 |                              | 0        |
|                                      | 25      | 0         | 14.99                 | 14.79                 | 14.76                 | 0-2                          | 0        |
|                                      | 25      | 12        | 14.91                 | 14.82                 | 14.73                 |                              | 0        |
| 25                                   | 25      | 14.75     | 14.88                 | 14.62                 | 0                     |                              |          |
| 64QAM                                | 50      | 0         | 14.88                 | 14.86                 | 14.76                 | 0                            |          |
|                                      | 1       | 0         | 15.10                 | 14.92                 | 15.10                 | 0-2                          | 0        |
|                                      | 1       | 25        | 15.06                 | 14.99                 | 14.98                 |                              | 0        |
|                                      | 1       | 49        | 14.74                 | 15.00                 | 14.91                 |                              | 0        |
|                                      | 25      | 0         | 14.97                 | 14.78                 | 14.79                 | 0-3                          | 0        |
|                                      | 25      | 12        | 14.89                 | 14.82                 | 14.75                 |                              | 0        |
| 25                                   | 25      | 14.73     | 14.89                 | 14.63                 | 0                     |                              |          |
|                                      | 50      | 0         | 14.87                 | 14.87                 | 14.75                 | 0                            |          |

**Table 8-92**  
**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         | 14.82                 | 14.77                 | 14.56                 | 0                            | 0        |
|                                     | 1       | 12        | 14.81                 | 14.78                 | 14.45                 |                              | 0        |
|                                     | 1       | 24        | 14.79                 | 14.86                 | 14.45                 |                              | 0        |
|                                     | 12      | 0         | 14.85                 | 14.69                 | 14.69                 | 0-1                          | 0        |
|                                     | 12      | 6         | 14.86                 | 14.77                 | 14.59                 |                              | 0        |
|                                     | 12      | 13        | 14.87                 | 14.84                 | 14.60                 |                              | 0        |
|                                     | 25      | 0         | 14.86                 | 14.80                 | 14.60                 |                              | 0        |
| 16QAM                               | 1       | 0         | 14.92                 | 14.92                 | 14.83                 | 0-1                          | 0        |
|                                     | 1       | 12        | 14.98                 | 14.98                 | 14.73                 |                              | 0        |
|                                     | 1       | 24        | 14.91                 | 15.07                 | 14.73                 |                              | 0        |
|                                     | 12      | 0         | 14.93                 | 14.82                 | 14.77                 | 0-2                          | 0        |
|                                     | 12      | 6         | 14.96                 | 14.85                 | 14.62                 |                              | 0        |
|                                     | 12      | 13        | 14.94                 | 14.83                 | 14.57                 |                              | 0        |
|                                     | 25      | 0         | 14.91                 | 14.82                 | 14.62                 |                              | 0        |
| 64QAM                               | 1       | 0         | 14.87                 | 14.94                 | 14.88                 | 0-2                          | 0        |
|                                     | 1       | 12        | 14.91                 | 15.03                 | 14.86                 |                              | 0        |
|                                     | 1       | 24        | 14.89                 | 15.09                 | 14.75                 |                              | 0        |
|                                     | 12      | 0         | 14.95                 | 14.71                 | 14.73                 | 0-3                          | 0        |
|                                     | 12      | 6         | 14.93                 | 14.82                 | 14.63                 |                              | 0        |
|                                     | 12      | 13        | 14.96                 | 14.87                 | 14.61                 |                              | 0        |
|                                     | 25      | 0         | 14.91                 | 14.79                 | 14.62                 |                              | 0        |

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 92 of 297                         |

**Table 8-93**  
**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         | 14.91                 | 14.87                 | 14.66                 | 0                            | 0        |
|                                     | 1       | 7         | 14.96                 | 14.92                 | 14.69                 |                              | 0        |
|                                     | 1       | 14        | 14.95                 | 14.95                 | 14.61                 |                              | 0        |
|                                     | 8       | 0         | 15.02                 | 14.96                 | 14.80                 | 0-1                          | 0        |
|                                     | 8       | 4         | 15.01                 | 14.97                 | 14.78                 |                              | 0        |
|                                     | 8       | 7         | 15.01                 | 15.05                 | 14.79                 |                              | 0        |
|                                     | 15      | 0         | 15.04                 | 14.99                 | 14.81                 |                              | 0        |
| 16QAM                               | 1       | 0         | 14.83                 | 14.78                 | 14.54                 | 0-1                          | 0        |
|                                     | 1       | 7         | 14.85                 | 14.87                 | 14.48                 |                              | 0        |
|                                     | 1       | 14        | 14.87                 | 15.06                 | 14.55                 |                              | 0        |
|                                     | 8       | 0         | 14.78                 | 14.78                 | 14.58                 | 0-2                          | 0        |
|                                     | 8       | 4         | 14.80                 | 14.84                 | 14.57                 |                              | 0        |
|                                     | 8       | 7         | 14.86                 | 14.87                 | 14.60                 |                              | 0        |
|                                     | 15      | 0         | 14.81                 | 14.80                 | 14.58                 |                              | 0        |
| 64QAM                               | 1       | 0         | 14.85                 | 14.85                 | 14.70                 | 0-2                          | 0        |
|                                     | 1       | 7         | 14.87                 | 14.91                 | 14.79                 |                              | 0        |
|                                     | 1       | 14        | 14.75                 | 14.95                 | 14.76                 |                              | 0        |
|                                     | 8       | 0         | 14.79                 | 14.84                 | 14.68                 | 0-3                          | 0        |
|                                     | 8       | 4         | 14.81                 | 14.77                 | 14.57                 |                              | 0        |
|                                     | 8       | 7         | 14.76                 | 14.87                 | 14.60                 |                              | 0        |
|                                     | 15      | 0         | 14.80                 | 14.81                 | 14.64                 |                              | 0        |

**Table 8-94**  
**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         | 14.74                 | 14.72                 | 14.59                 | 0                            | 0        |
|                                       | 1       | 2         | 14.74                 | 14.68                 | 14.54                 |                              | 0        |
|                                       | 1       | 5         | 14.75                 | 14.71                 | 14.55                 |                              | 0        |
|                                       | 3       | 0         | 14.80                 | 14.76                 | 14.49                 |                              | 0        |
|                                       | 3       | 2         | 14.79                 | 14.72                 | 14.48                 |                              | 0        |
|                                       | 3       | 3         | 14.80                 | 14.77                 | 14.47                 |                              | 0        |
|                                       | 6       | 0         | 14.84                 | 14.75                 | 14.50                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 14.98                 | 15.10                 | 14.65                 | 0-1                          | 0        |
|                                       | 1       | 2         | 15.00                 | 15.08                 | 14.64                 |                              | 0        |
|                                       | 1       | 5         | 15.03                 | 15.10                 | 14.69                 |                              | 0        |
|                                       | 3       | 0         | 14.95                 | 14.97                 | 14.65                 |                              | 0        |
|                                       | 3       | 2         | 14.94                 | 14.94                 | 14.60                 |                              | 0        |
|                                       | 3       | 3         | 14.93                 | 14.92                 | 14.62                 |                              | 0        |
|                                       | 6       | 0         | 14.92                 | 14.90                 | 14.58                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 15.00                 | 15.00                 | 14.80                 | 0-2                          | 0        |
|                                       | 1       | 2         | 14.97                 | 14.98                 | 14.79                 |                              | 0        |
|                                       | 1       | 5         | 15.00                 | 14.99                 | 14.75                 |                              | 0        |
|                                       | 3       | 0         | 14.96                 | 14.94                 | 14.77                 |                              | 0        |
|                                       | 3       | 2         | 14.94                 | 14.95                 | 14.73                 |                              | 0        |
|                                       | 3       | 3         | 14.91                 | 14.91                 | 14.75                 |                              | 0        |
|                                       | 6       | 0         | 14.90                 | 14.94                 | 14.59                 | 0-3                          | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 93 of 297                         |

**Table 8-95**  
**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         | 11.52                    | 0                            | 0        |
|                                      | 1       | 50        | 11.87                    |                              | 0        |
|                                      | 1       | 99        | 12.08                    |                              | 0        |
|                                      | 50      | 0         | 11.82                    | 0-1                          | 0        |
|                                      | 50      | 25        | 11.89                    |                              | 0        |
|                                      | 50      | 50        | 11.92                    |                              | 0        |
|                                      | 100     | 0         | 11.91                    |                              | 0        |
| 16QAM                                | 1       | 0         | 11.38                    | 0-1                          | 0        |
|                                      | 1       | 50        | 11.60                    |                              | 0        |
|                                      | 1       | 99        | 11.82                    |                              | 0        |
|                                      | 50      | 0         | 11.58                    | 0-2                          | 0        |
|                                      | 50      | 25        | 11.65                    |                              | 0        |
|                                      | 50      | 50        | 11.69                    |                              | 0        |
|                                      | 100     | 0         | 11.66                    |                              | 0        |
| 64QAM                                | 1       | 0         | 11.31                    | 0-2                          | 0        |
|                                      | 1       | 50        | 11.58                    |                              | 0        |
|                                      | 1       | 99        | 11.77                    |                              | 0        |
|                                      | 50      | 0         | 11.34                    | 0-3                          | 0        |
|                                      | 50      | 25        | 11.44                    |                              | 0        |
|                                      | 50      | 50        | 11.44                    |                              | 0        |
|                                      | 100     | 0         | 11.42                    |                              | 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 8-96**  
**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         | 11.43                 | 11.28                 | 11.61                 | 0                            | 0        |
|                                      | 1       | 36        | 11.30                 | 11.51                 | 11.39                 |                              | 0        |
|                                      | 1       | 74        | 11.23                 | 11.61                 | 11.27                 |                              | 0        |
|                                      | 36      | 0         | 11.59                 | 11.49                 | 11.71                 | 0-1                          | 0        |
|                                      | 36      | 18        | 11.38                 | 11.60                 | 11.45                 |                              | 0        |
|                                      | 36      | 37        | 11.37                 | 11.63                 | 11.44                 |                              | 0        |
|                                      | 75      | 0         | 11.38                 | 11.58                 | 11.46                 |                              | 0        |
| 16QAM                                | 1       | 0         | 11.49                 | 11.48                 | 11.75                 | 0-1                          | 0        |
|                                      | 1       | 36        | 11.27                 | 11.64                 | 11.49                 |                              | 0        |
|                                      | 1       | 74        | 11.44                 | 11.75                 | 11.39                 |                              | 0        |
|                                      | 36      | 0         | 11.60                 | 11.50                 | 11.75                 | 0-2                          | 0        |
|                                      | 36      | 18        | 11.43                 | 11.64                 | 11.49                 |                              | 0        |
|                                      | 36      | 37        | 11.37                 | 11.66                 | 11.46                 |                              | 0        |
|                                      | 75      | 0         | 11.41                 | 11.60                 | 11.47                 |                              | 0        |
| 64QAM                                | 1       | 0         | 11.56                 | 11.44                 | 11.85                 | 0-2                          | 0        |
|                                      | 1       | 36        | 11.38                 | 11.59                 | 11.67                 |                              | 0        |
|                                      | 1       | 74        | 11.28                 | 11.67                 | 11.51                 |                              | 0        |
|                                      | 36      | 0         | 11.47                 | 11.40                 | 11.78                 | 0-3                          | 0        |
|                                      | 36      | 18        | 11.26                 | 11.50                 | 11.50                 |                              | 0        |
|                                      | 36      | 37        | 11.24                 | 11.50                 | 11.47                 |                              | 0        |
|                                      | 75      | 0         | 11.24                 | 11.49                 | 11.48                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 94 of 297                  |

**Table 8-97**  
**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         | 11.60                 | 11.45                 | 11.57                 | 0                            | 0        |
|                                      | 1       | 25        | 11.56                 | 11.50                 | 11.45                 |                              | 0        |
|                                      | 1       | 49        | 11.35                 | 11.57                 | 11.41                 |                              | 0        |
|                                      | 25      | 0         | 11.64                 | 11.56                 | 11.54                 | 0-1                          | 0        |
|                                      | 25      | 12        | 11.63                 | 11.58                 | 11.53                 |                              | 0        |
|                                      | 25      | 25        | 11.40                 | 11.62                 | 11.50                 |                              | 0        |
| 16QAM                                | 50      | 0         | 11.51                 | 11.57                 | 11.54                 | 0-1                          | 0        |
|                                      | 1       | 0         | 11.78                 | 11.45                 | 11.67                 |                              | 0        |
|                                      | 1       | 25        | 11.59                 | 11.62                 | 11.62                 |                              | 0        |
|                                      | 1       | 49        | 11.36                 | 11.58                 | 11.49                 | 0-2                          | 0        |
|                                      | 25      | 0         | 11.65                 | 11.57                 | 11.56                 |                              | 0        |
|                                      | 25      | 12        | 11.64                 | 11.61                 | 11.55                 |                              | 0        |
| 64QAM                                | 25      | 25        | 11.45                 | 11.62                 | 11.53                 | 0-2                          | 0        |
|                                      | 50      | 0         | 11.54                 | 11.60                 | 11.54                 |                              | 0        |
|                                      | 1       | 0         | 11.52                 | 11.50                 | 11.78                 |                              | 0-3      |
|                                      | 1       | 25        | 11.46                 | 11.51                 | 11.53                 | 0                            |          |
|                                      | 1       | 49        | 11.36                 | 11.58                 | 11.47                 | 0                            |          |
|                                      | 25      | 0         | 11.44                 | 11.42                 | 11.47                 | 0-3                          | 0        |
| 25                                   | 12      | 11.42     | 11.43                 | 11.45                 | 0                     |                              |          |
| 25                                   | 25      | 11.26     | 11.47                 | 11.38                 | 0                     |                              |          |
|                                      | 50      | 0         | 11.35                 | 11.43                 | 11.44                 |                              | 0        |

**Table 8-98**  
**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         | 11.43                 | 11.45                 | 11.27                 | 0                            | 0        |
|                                     | 1       | 12        | 11.48                 | 11.47                 | 11.19                 |                              | 0        |
|                                     | 1       | 24        | 11.50                 | 11.57                 | 11.12                 |                              | 0        |
|                                     | 12      | 0         | 11.58                 | 11.55                 | 11.34                 | 0-1                          | 0        |
|                                     | 12      | 6         | 11.57                 | 11.61                 | 11.28                 |                              | 0        |
|                                     | 12      | 13        | 11.65                 | 11.63                 | 11.28                 |                              | 0        |
| 16QAM                               | 25      | 0         | 11.61                 | 11.59                 | 11.29                 | 0-1                          | 0        |
|                                     | 1       | 0         | 11.64                 | 11.62                 | 11.28                 |                              | 0        |
|                                     | 1       | 12        | 11.67                 | 11.58                 | 11.23                 |                              | 0        |
|                                     | 1       | 24        | 11.59                 | 11.69                 | 11.27                 | 0-2                          | 0        |
|                                     | 12      | 0         | 11.60                 | 11.57                 | 11.34                 |                              | 0        |
|                                     | 12      | 6         | 11.61                 | 11.65                 | 11.28                 |                              | 0        |
| 64QAM                               | 12      | 13        | 11.65                 | 11.68                 | 11.32                 | 0-2                          | 0        |
|                                     | 25      | 0         | 11.65                 | 11.62                 | 11.32                 |                              | 0        |
|                                     | 1       | 0         | 11.48                 | 11.54                 | 11.46                 |                              | 0-2      |
|                                     | 1       | 12        | 11.51                 | 11.53                 | 11.39                 | 0                            |          |
|                                     | 1       | 24        | 11.53                 | 11.60                 | 11.40                 | 0-3                          |          |
|                                     | 12      | 0         | 11.37                 | 11.38                 | 11.35                 |                              | 0        |
| 12                                  | 6       | 11.39     | 11.42                 | 11.29                 | 0                     |                              |          |
| 64QAM                               | 12      | 13        | 11.42                 | 11.45                 | 11.29                 | 0-3                          | 0        |
|                                     | 25      | 0         | 11.38                 | 11.41                 | 11.29                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 95 of 297                         |

**Table 8-99**  
**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         | 11.41                 | 11.46                 | 11.27                 | 0                            | 0        |
|                                     | 1       | 7         | 11.48                 | 11.56                 | 11.33                 |                              | 0        |
|                                     | 1       | 14        | 11.48                 | 11.51                 | 11.25                 |                              | 0        |
|                                     | 8       | 0         | 11.55                 | 11.62                 | 11.40                 | 0-1                          | 0        |
|                                     | 8       | 4         | 11.57                 | 11.60                 | 11.39                 |                              | 0        |
|                                     | 8       | 7         | 11.58                 | 11.64                 | 11.39                 |                              | 0        |
| 16QAM                               | 15      | 0         | 11.58                 | 11.61                 | 11.40                 | 0                            |          |
|                                     | 1       | 0         | 11.61                 | 11.60                 | 11.28                 | 0-1                          | 0        |
|                                     | 1       | 7         | 11.54                 | 11.54                 | 11.46                 |                              | 0        |
|                                     | 1       | 14        | 11.57                 | 11.63                 | 11.44                 |                              | 0        |
|                                     | 8       | 0         | 11.59                 | 11.65                 | 11.43                 | 0-2                          | 0        |
|                                     | 8       | 4         | 11.61                 | 11.62                 | 11.43                 |                              | 0        |
| 8                                   | 7       | 11.61     | 11.68                 | 11.39                 | 0                     |                              |          |
| 64QAM                               | 15      | 0         | 11.60                 | 11.64                 | 11.47                 | 0                            |          |
|                                     | 1       | 0         | 11.33                 | 11.50                 | 11.38                 | 0-2                          | 0        |
|                                     | 1       | 7         | 11.45                 | 11.51                 | 11.44                 |                              | 0        |
|                                     | 1       | 14        | 11.46                 | 11.60                 | 11.34                 |                              | 0        |
|                                     | 8       | 0         | 11.29                 | 11.44                 | 11.31                 | 0-3                          | 0        |
|                                     | 8       | 4         | 11.28                 | 11.41                 | 11.30                 |                              | 0        |
| 8                                   | 7       | 11.32     | 11.45                 | 11.32                 | 0                     |                              |          |
|                                     | 15      | 0         | 11.30                 | 11.43                 | 11.34                 | 0                            |          |

**Table 8-100**  
**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         | 11.59                 | 11.75                 | 11.50                 | 0                            | 0        |
|                                       | 1       | 2         | 11.58                 | 11.69                 | 11.43                 |                              | 0        |
|                                       | 1       | 5         | 11.62                 | 11.71                 | 11.44                 |                              | 0        |
|                                       | 3       | 0         | 11.50                 | 11.61                 | 11.37                 |                              | 0        |
|                                       | 3       | 2         | 11.48                 | 11.61                 | 11.34                 |                              | 0        |
|                                       | 3       | 3         | 11.50                 | 11.61                 | 11.37                 |                              | 0        |
|                                       | 6       | 0         | 11.50                 | 11.62                 | 11.36                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 11.57                 | 11.89                 | 11.40                 | 0-1                          | 0        |
|                                       | 1       | 2         | 11.69                 | 11.73                 | 11.70                 |                              | 0        |
|                                       | 1       | 5         | 11.66                 | 11.84                 | 11.48                 |                              | 0        |
|                                       | 3       | 0         | 11.65                 | 11.71                 | 11.43                 |                              | 0        |
|                                       | 3       | 2         | 11.59                 | 11.66                 | 11.45                 |                              | 0        |
|                                       | 3       | 3         | 11.63                 | 11.80                 | 11.51                 |                              | 0        |
|                                       | 6       | 0         | 11.58                 | 11.70                 | 11.45                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 11.38                 | 11.50                 | 11.40                 | 0-2                          | 0        |
|                                       | 1       | 2         | 11.37                 | 11.52                 | 11.34                 |                              | 0        |
|                                       | 1       | 5         | 11.39                 | 11.55                 | 11.34                 |                              | 0        |
|                                       | 3       | 0         | 11.34                 | 11.47                 | 11.32                 |                              | 0        |
|                                       | 3       | 2         | 11.32                 | 11.47                 | 11.29                 |                              | 0        |
|                                       | 3       | 3         | 11.34                 | 11.47                 | 11.29                 |                              | 0        |
|                                       | 6       | 0         | 11.28                 | 11.41                 | 11.25                 | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 96 of 297                  |

**Table 8-101**  
**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         | 14.72                    | 0                            | 0        |
|                                      | 1       | 50        | 14.74                    |                              | 0        |
|                                      | 1       | 99        | 14.66                    |                              | 0        |
|                                      | 50      | 0         | 14.71                    | 0-1                          | 0        |
|                                      | 50      | 25        | 14.79                    |                              | 0        |
|                                      | 50      | 50        | 14.72                    |                              | 0        |
| 16QAM                                | 100     | 0         | 14.65                    | 0-1                          | 0        |
|                                      | 1       | 0         | 14.75                    |                              | 0        |
|                                      | 1       | 50        | 14.79                    |                              | 0        |
|                                      | 1       | 99        | 14.76                    | 0-2                          | 0        |
|                                      | 50      | 0         | 14.61                    |                              | 0        |
|                                      | 50      | 25        | 14.53                    |                              | 0        |
| 64QAM                                | 50      | 50        | 14.50                    | 0-2                          | 0        |
|                                      | 100     | 0         | 14.53                    |                              | 0        |
|                                      | 1       | 0         | 14.58                    | 0-3                          | 0        |
|                                      | 1       | 50        | 14.60                    |                              | 0        |
|                                      | 1       | 99        | 14.52                    |                              | 0        |
|                                      | 50      | 0         | 14.51                    | 0-3                          | 0        |
|                                      | 50      | 25        | 14.53                    |                              | 0        |
|                                      | 50      | 50        | 14.41                    |                              | 0        |
|                                      | 100     | 0         | 14.50                    |                              | 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 8-102**  
**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         | 14.13                 | 14.26                 | 14.05                 | 0                            | 0        |
|                                      | 1       | 36        | 14.14                 | 14.32                 | 14.08                 |                              | 0        |
|                                      | 1       | 74        | 14.17                 | 14.14                 | 13.84                 |                              | 0        |
|                                      | 36      | 0         | 14.07                 | 14.23                 | 14.06                 | 0-1                          | 0        |
|                                      | 36      | 18        | 14.13                 | 14.25                 | 14.09                 |                              | 0        |
|                                      | 36      | 37        | 14.12                 | 14.15                 | 13.94                 |                              | 0        |
|                                      | 75      | 0         | 14.10                 | 14.24                 | 14.06                 |                              | 0        |
| 16QAM                                | 1       | 0         | 14.56                 | 14.33                 | 14.39                 | 0-1                          | 0        |
|                                      | 1       | 36        | 14.61                 | 14.36                 | 14.44                 |                              | 0        |
|                                      | 1       | 74        | 14.50                 | 14.22                 | 14.18                 |                              | 0        |
|                                      | 36      | 0         | 14.12                 | 14.30                 | 14.07                 | 0-2                          | 0        |
|                                      | 36      | 18        | 14.17                 | 14.32                 | 14.14                 |                              | 0        |
|                                      | 36      | 37        | 14.13                 | 14.20                 | 13.95                 |                              | 0        |
|                                      | 75      | 0         | 14.13                 | 14.27                 | 14.09                 |                              | 0        |
| 64QAM                                | 1       | 0         | 14.37                 | 14.59                 | 14.15                 | 0-2                          | 0        |
|                                      | 1       | 36        | 14.50                 | 14.54                 | 14.36                 |                              | 0        |
|                                      | 1       | 74        | 14.40                 | 14.37                 | 14.09                 |                              | 0        |
|                                      | 36      | 0         | 14.13                 | 14.30                 | 14.09                 | 0-3                          | 0        |
|                                      | 36      | 18        | 14.17                 | 14.31                 | 14.11                 |                              | 0        |
|                                      | 36      | 37        | 14.14                 | 14.22                 | 13.94                 |                              | 0        |
|                                      | 75      | 0         | 14.13                 | 14.29                 | 14.09                 |                              | 3        |

|                                         |                                                                                                   |                              |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   | Page 97 of 297                  |

**Table 8-103**  
**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         | 14.19                 | 14.33                 | 14.14                 | 0                            | 0        |
|                                      | 1       | 25        | 14.06                 | 14.28                 | 14.02                 |                              | 0        |
|                                      | 1       | 49        | 14.15                 | 14.22                 | 13.88                 |                              | 0        |
|                                      | 25      | 0         | 14.14                 | 14.34                 | 14.08                 | 0-1                          | 0        |
|                                      | 25      | 12        | 14.06                 | 14.31                 | 13.96                 |                              | 0        |
|                                      | 25      | 25        | 14.10                 | 14.30                 | 13.85                 |                              | 0        |
| 16QAM                                | 50      | 0         | 14.07                 | 14.32                 | 13.95                 | 0-1                          | 0        |
|                                      | 1       | 0         | 14.53                 | 14.68                 | 14.53                 |                              | 0        |
|                                      | 1       | 25        | 14.38                 | 14.51                 | 14.30                 |                              | 0        |
|                                      | 1       | 49        | 14.44                 | 14.48                 | 14.24                 | 0-2                          | 0        |
|                                      | 25      | 0         | 14.13                 | 14.27                 | 14.05                 |                              | 0        |
|                                      | 25      | 12        | 14.08                 | 14.30                 | 13.96                 |                              | 0        |
| 64QAM                                | 25      | 25        | 14.10                 | 14.25                 | 13.87                 | 0-2                          | 0        |
|                                      | 50      | 0         | 14.06                 | 14.28                 | 13.96                 |                              | 0        |
|                                      | 1       | 0         | 14.24                 | 14.60                 | 14.45                 |                              | 0-2      |
|                                      | 1       | 25        | 14.45                 | 14.50                 | 14.01                 | 0                            |          |
|                                      | 1       | 49        | 14.41                 | 14.26                 | 14.14                 | 0-3                          |          |
|                                      | 25      | 0         | 14.14                 | 14.31                 | 14.12                 |                              | 0        |
| 25                                   | 12      | 14.05     | 14.23                 | 14.02                 | 0                     |                              |          |
| 64QAM                                | 25      | 25        | 14.11                 | 14.27                 | 13.90                 | 0-3                          | 0        |
|                                      | 50      | 0         | 14.13                 | 14.30                 | 13.95                 |                              | 0        |

**Table 8-104**  
**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         | 14.05                 | 14.27                 | 14.01                 | 0                            | 0        |
|                                     | 1       | 12        | 13.92                 | 14.23                 | 13.89                 |                              | 0        |
|                                     | 1       | 24        | 13.85                 | 14.22                 | 13.96                 |                              | 0        |
|                                     | 12      | 0         | 14.03                 | 14.27                 | 13.94                 | 0-1                          | 0        |
|                                     | 12      | 6         | 14.02                 | 14.26                 | 13.87                 |                              | 0        |
|                                     | 12      | 13        | 13.96                 | 14.25                 | 13.89                 |                              | 0        |
|                                     | 25      | 0         | 14.07                 | 14.28                 | 13.88                 | 0                            |          |
| 16QAM                               | 1       | 0         | 14.60                 | 14.75                 | 14.20                 | 0-1                          | 0        |
|                                     | 1       | 12        | 14.42                 | 14.45                 | 14.16                 |                              | 0        |
|                                     | 1       | 24        | 14.31                 | 14.42                 | 14.23                 |                              | 0        |
|                                     | 12      | 0         | 14.07                 | 14.29                 | 14.02                 | 0-2                          | 0        |
|                                     | 12      | 6         | 14.13                 | 14.28                 | 13.97                 |                              | 0        |
|                                     | 12      | 13        | 14.00                 | 14.26                 | 13.99                 |                              | 0        |
|                                     | 25      | 0         | 14.08                 | 14.31                 | 13.93                 | 0                            |          |
| 64QAM                               | 1       | 0         | 14.57                 | 14.71                 | 14.43                 | 0-2                          | 0        |
|                                     | 1       | 12        | 14.36                 | 14.50                 | 14.22                 |                              | 0        |
|                                     | 1       | 24        | 14.45                 | 14.71                 | 14.42                 |                              | 0        |
|                                     | 12      | 0         | 14.08                 | 14.25                 | 13.95                 | 0-3                          | 0        |
|                                     | 12      | 6         | 14.10                 | 14.28                 | 13.93                 |                              | 0        |
|                                     | 12      | 13        | 13.97                 | 14.24                 | 13.90                 |                              | 0        |
|                                     | 25      | 0         | 14.05                 | 14.27                 | 13.86                 | 0                            |          |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 98 of 297                         |

**Table 8-105**  
**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         | 14.20                 | 14.03                 | 13.82                 | 0                            | 0        |
|                                     | 1       | 7         | 14.16                 | 14.07                 | 13.83                 |                              | 0        |
|                                     | 1       | 14        | 14.08                 | 14.00                 | 13.83                 |                              | 0        |
|                                     | 8       | 0         | 14.15                 | 14.19                 | 13.84                 | 0-1                          | 0        |
|                                     | 8       | 4         | 14.11                 | 14.18                 | 13.84                 |                              | 0        |
|                                     | 8       | 7         | 14.11                 | 14.20                 | 13.80                 |                              | 0        |
|                                     | 15      | 0         | 14.11                 | 14.22                 | 13.83                 |                              | 0        |
| 16QAM                               | 1       | 0         | 14.57                 | 14.56                 | 14.10                 | 0-1                          | 0        |
|                                     | 1       | 7         | 14.31                 | 14.66                 | 14.13                 |                              | 0        |
|                                     | 1       | 14        | 14.25                 | 14.11                 | 14.17                 |                              | 0        |
|                                     | 8       | 0         | 14.13                 | 14.20                 | 13.87                 | 0-2                          | 0        |
|                                     | 8       | 4         | 14.11                 | 14.26                 | 13.86                 |                              | 0        |
|                                     | 8       | 7         | 14.14                 | 14.23                 | 13.87                 |                              | 0        |
|                                     | 15      | 0         | 14.14                 | 14.23                 | 13.90                 |                              | 0        |
| 64QAM                               | 1       | 0         | 14.28                 | 14.45                 | 14.04                 | 0-2                          | 0        |
|                                     | 1       | 7         | 14.39                 | 14.33                 | 14.28                 |                              | 0        |
|                                     | 1       | 14        | 14.41                 | 14.20                 | 14.11                 |                              | 0        |
|                                     | 8       | 0         | 14.15                 | 14.21                 | 13.92                 | 0-3                          | 0        |
|                                     | 8       | 4         | 14.15                 | 14.16                 | 13.87                 |                              | 0        |
|                                     | 8       | 7         | 14.12                 | 14.23                 | 13.90                 |                              | 0        |
|                                     | 15      | 0         | 14.12                 | 14.24                 | 13.91                 |                              | 0        |

**Table 8-106**  
**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         | 14.32                 | 14.67                 | 14.14                 | 0                            | 0        |
|                                       | 1       | 2         | 13.92                 | 14.23                 | 13.89                 |                              | 0        |
|                                       | 1       | 5         | 13.85                 | 14.22                 | 13.96                 |                              | 0        |
|                                       | 3       | 0         | 14.03                 | 14.27                 | 13.94                 |                              | 0        |
|                                       | 3       | 2         | 14.02                 | 14.26                 | 13.87                 |                              | 0        |
|                                       | 3       | 3         | 13.96                 | 14.25                 | 13.89                 |                              | 0        |
|                                       | 6       | 0         | 14.07                 | 14.28                 | 13.88                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 14.59                 | 14.74                 | 14.19                 | 0-1                          | 0        |
|                                       | 1       | 2         | 14.41                 | 14.44                 | 14.15                 |                              | 0        |
|                                       | 1       | 5         | 14.30                 | 14.41                 | 14.22                 |                              | 0        |
|                                       | 3       | 0         | 14.06                 | 14.28                 | 14.01                 |                              | 0        |
|                                       | 3       | 2         | 14.12                 | 14.27                 | 13.96                 |                              | 0        |
|                                       | 3       | 3         | 13.99                 | 14.25                 | 13.98                 |                              | 0        |
|                                       | 6       | 0         | 14.07                 | 14.30                 | 13.92                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 14.59                 | 14.73                 | 14.45                 | 0-2                          | 0        |
|                                       | 1       | 2         | 14.38                 | 14.52                 | 14.24                 |                              | 0        |
|                                       | 1       | 5         | 14.47                 | 14.73                 | 14.44                 |                              | 0        |
|                                       | 3       | 0         | 14.10                 | 14.27                 | 13.97                 |                              | 0        |
|                                       | 3       | 2         | 14.12                 | 14.30                 | 13.95                 |                              | 0        |
|                                       | 3       | 3         | 13.99                 | 14.26                 | 13.92                 |                              | 0        |
|                                       | 6       | 0         | 14.07                 | 14.29                 | 13.88                 | 0-3                          | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 99 of 297                         |

**Table 8-107**  
**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         | 11.08                    | 0                            | 0        |
|                                      | 1       | 50        | 11.38                    |                              | 0        |
|                                      | 1       | 99        | 11.24                    |                              | 0        |
|                                      | 50      | 0         | 11.22                    | 0-1                          | 0        |
|                                      | 50      | 25        | 11.27                    |                              | 0        |
|                                      | 50      | 50        | 11.24                    |                              | 0        |
| 16QAM                                | 100     | 0         | 11.26                    | 0-1                          | 0        |
|                                      | 1       | 0         | 11.40                    |                              | 0        |
|                                      | 1       | 50        | 11.43                    |                              | 0        |
|                                      | 1       | 99        | 11.27                    | 0-2                          | 0        |
|                                      | 50      | 0         | 10.94                    |                              | 0        |
|                                      | 50      | 25        | 11.00                    |                              | 0        |
| 64QAM                                | 50      | 50        | 10.90                    | 0-2                          | 0        |
|                                      | 100     | 0         | 11.07                    |                              | 0        |
|                                      | 1       | 0         | 11.24                    | 0-3                          | 0        |
|                                      | 1       | 50        | 11.22                    |                              | 0        |
|                                      | 1       | 99        | 11.07                    |                              | 0        |
|                                      | 50      | 0         | 11.06                    | 0-3                          | 0        |
|                                      | 50      | 25        | 11.08                    |                              | 0        |
|                                      | 50      | 50        | 10.86                    |                              | 0        |
|                                      | 100     | 0         | 11.01                    |                              | 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 8-108**  
**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         | 11.24                 | 10.93                 | 11.12                 | 0                            | 0        |
|                                      | 1       | 36        | 11.00                 | 11.19                 | 10.96                 |                              | 0        |
|                                      | 1       | 74        | 11.23                 | 11.01                 | 11.05                 |                              | 0        |
|                                      | 36      | 0         | 10.85                 | 11.28                 | 11.03                 | 0-1                          | 0        |
|                                      | 36      | 18        | 10.84                 | 11.29                 | 11.04                 |                              | 0        |
|                                      | 36      | 37        | 10.94                 | 11.26                 | 11.03                 |                              | 0        |
|                                      | 75      | 0         | 10.84                 | 11.31                 | 11.04                 | 0                            |          |
| 16QAM                                | 1       | 0         | 11.02                 | 11.44                 | 11.29                 | 0-1                          | 0        |
|                                      | 1       | 36        | 10.94                 | 11.53                 | 10.99                 |                              | 0        |
|                                      | 1       | 74        | 11.23                 | 11.27                 | 11.03                 |                              | 0        |
|                                      | 36      | 0         | 10.84                 | 11.30                 | 11.04                 | 0-2                          | 0        |
|                                      | 36      | 18        | 10.87                 | 11.32                 | 11.04                 |                              | 0        |
|                                      | 36      | 37        | 11.00                 | 11.27                 | 11.02                 |                              | 0        |
|                                      | 75      | 0         | 10.87                 | 11.32                 | 11.16                 | 0                            |          |
| 64QAM                                | 1       | 0         | 10.98                 | 11.40                 | 11.38                 | 0-2                          | 0        |
|                                      | 1       | 36        | 10.87                 | 11.42                 | 11.26                 |                              | 0        |
|                                      | 1       | 74        | 11.13                 | 11.24                 | 11.44                 |                              | 0        |
|                                      | 36      | 0         | 10.87                 | 11.31                 | 11.15                 | 0-3                          | 0        |
|                                      | 36      | 18        | 10.88                 | 11.34                 | 11.19                 |                              | 0        |
|                                      | 36      | 37        | 10.98                 | 11.29                 | 11.18                 |                              | 0        |
|                                      | 75      | 0         | 10.86                 | 11.33                 | 11.17                 | 0                            |          |

|                                         |                                                                                                   |                              |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   | Page 100 of 297                 |

**Table 8-109**  
**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         | 11.01                 | 11.13                 | 11.15                 | 0                            | 0        |
|                                      | 1       | 25        | 10.94                 | 11.20                 | 11.19                 |                              | 0        |
|                                      | 1       | 49        | 11.00                 | 11.22                 | 11.07                 |                              | 0        |
|                                      | 25      | 0         | 11.08                 | 11.23                 | 11.13                 | 0-1                          | 0        |
|                                      | 25      | 12        | 11.07                 | 11.28                 | 11.12                 |                              | 0        |
|                                      | 25      | 25        | 11.06                 | 11.35                 | 11.15                 |                              | 0        |
| 16QAM                                | 50      | 0         | 11.07                 | 11.30                 | 11.15                 | 0-1                          | 0        |
|                                      | 1       | 0         | 11.16                 | 11.34                 | 11.06                 |                              | 0        |
|                                      | 1       | 25        | 11.13                 | 11.50                 | 11.09                 |                              | 0        |
|                                      | 1       | 49        | 11.08                 | 11.52                 | 11.16                 | 0-2                          | 0        |
|                                      | 25      | 0         | 11.12                 | 11.30                 | 11.15                 |                              | 0        |
|                                      | 25      | 12        | 11.07                 | 11.32                 | 11.14                 |                              | 0        |
| 64QAM                                | 25      | 25        | 11.08                 | 11.34                 | 11.20                 | 0-2                          | 0        |
|                                      | 50      | 0         | 11.10                 | 11.35                 | 11.16                 |                              | 0        |
|                                      | 1       | 0         | 11.29                 | 11.35                 | 11.49                 |                              | 0-2      |
|                                      | 1       | 25        | 11.20                 | 11.44                 | 11.47                 | 0                            |          |
|                                      | 1       | 49        | 11.23                 | 11.43                 | 11.51                 | 0                            |          |
|                                      | 25      | 0         | 11.12                 | 11.27                 | 11.15                 | 0-3                          | 0        |
| 25                                   | 12      | 11.12     | 11.33                 | 11.14                 | 0                     |                              |          |
| 25                                   | 25      | 11.10     | 11.37                 | 11.21                 | 0                     |                              |          |
|                                      | 50      | 0         | 11.10                 | 11.34                 | 11.20                 |                              | 0        |

**Table 8-110**  
**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         | 11.00                 | 11.28                 | 11.21                 | 0                            | 0        |
|                                     | 1       | 12        | 11.03                 | 11.36                 | 11.17                 |                              | 0        |
|                                     | 1       | 24        | 11.11                 | 11.40                 | 11.17                 |                              | 0        |
|                                     | 12      | 0         | 11.13                 | 11.26                 | 11.28                 | 0-1                          | 0        |
|                                     | 12      | 6         | 11.15                 | 11.28                 | 11.27                 |                              | 0        |
|                                     | 12      | 13        | 11.16                 | 11.28                 | 11.24                 |                              | 0        |
|                                     | 25      | 0         | 11.14                 | 11.29                 | 11.28                 |                              | 0        |
| 16QAM                               | 1       | 0         | 11.31                 | 11.48                 | 11.37                 | 0-1                          | 0        |
|                                     | 1       | 12        | 11.32                 | 11.49                 | 11.42                 |                              | 0        |
|                                     | 1       | 24        | 11.27                 | 11.44                 | 11.39                 |                              | 0        |
|                                     | 12      | 0         | 11.18                 | 11.23                 | 11.34                 | 0-2                          | 0        |
|                                     | 12      | 6         | 11.13                 | 11.37                 | 11.28                 |                              | 0        |
|                                     | 12      | 13        | 11.24                 | 11.34                 | 11.28                 |                              | 0        |
|                                     | 25      | 0         | 11.22                 | 11.36                 | 11.37                 |                              | 0        |
| 64QAM                               | 1       | 0         | 11.28                 | 11.67                 | 11.60                 | 0-2                          | 0        |
|                                     | 1       | 12        | 11.21                 | 11.52                 | 11.49                 |                              | 0        |
|                                     | 1       | 24        | 11.28                 | 11.67                 | 11.34                 |                              | 0        |
|                                     | 12      | 0         | 11.16                 | 11.31                 | 11.33                 | 0-3                          | 0        |
|                                     | 12      | 6         | 11.15                 | 11.30                 | 11.35                 |                              | 0        |
|                                     | 12      | 13        | 11.19                 | 11.33                 | 11.34                 |                              | 0        |
|                                     | 25      | 0         | 11.17                 | 11.34                 | 11.33                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 101 of 297                        |

**Table 8-111**  
**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         | 10.96                 | 11.11                 | 11.11                 | 0                            | 0        |
|                                     | 1       | 7         | 11.01                 | 11.18                 | 11.11                 |                              | 0        |
|                                     | 1       | 14        | 10.94                 | 11.14                 | 11.07                 |                              | 0        |
|                                     | 8       | 0         | 11.11                 | 11.27                 | 11.18                 | 0-1                          | 0        |
|                                     | 8       | 4         | 11.08                 | 11.28                 | 11.20                 |                              | 0        |
|                                     | 8       | 7         | 11.07                 | 11.28                 | 11.20                 |                              | 0        |
|                                     | 15      | 0         | 11.11                 | 11.29                 | 11.22                 |                              | 0        |
| 16QAM                               | 1       | 0         | 11.15                 | 11.30                 | 11.24                 | 0-1                          | 0        |
|                                     | 1       | 7         | 11.12                 | 11.51                 | 11.23                 |                              | 0        |
|                                     | 1       | 14        | 11.13                 | 11.54                 | 11.18                 |                              | 0        |
|                                     | 8       | 0         | 11.10                 | 11.37                 | 11.23                 | 0-2                          | 0        |
|                                     | 8       | 4         | 11.09                 | 11.29                 | 11.21                 |                              | 0        |
|                                     | 8       | 7         | 11.12                 | 11.36                 | 11.18                 |                              | 0        |
|                                     | 15      | 0         | 11.11                 | 11.31                 | 11.25                 |                              | 0        |
| 64QAM                               | 1       | 0         | 11.12                 | 11.61                 | 11.45                 | 0-2                          | 0        |
|                                     | 1       | 7         | 11.13                 | 11.58                 | 11.46                 |                              | 0        |
|                                     | 1       | 14        | 11.01                 | 11.30                 | 11.36                 |                              | 0        |
|                                     | 8       | 0         | 11.09                 | 11.36                 | 11.25                 | 0-3                          | 0        |
|                                     | 8       | 4         | 11.08                 | 11.36                 | 11.25                 |                              | 0        |
|                                     | 8       | 7         | 11.04                 | 11.37                 | 11.24                 |                              | 0        |
|                                     | 15      | 0         | 11.03                 | 11.33                 | 11.23                 |                              | 0        |

**Table 8-112**  
**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         | 10.90                 | 11.21                 | 11.38                 | 0                            | 0        |
|                                       | 1       | 2         | 10.88                 | 11.20                 | 11.36                 |                              | 0        |
|                                       | 1       | 5         | 10.91                 | 11.23                 | 11.39                 |                              | 0        |
|                                       | 3       | 0         | 10.97                 | 11.32                 | 11.29                 |                              | 0        |
|                                       | 3       | 2         | 10.97                 | 11.29                 | 11.27                 |                              | 0        |
|                                       | 3       | 3         | 10.96                 | 11.31                 | 11.28                 |                              | 0        |
|                                       | 6       | 0         | 10.96                 | 11.31                 | 11.27                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 11.11                 | 11.35                 | 11.37                 | 0-1                          | 0        |
|                                       | 1       | 2         | 11.06                 | 11.36                 | 11.48                 |                              | 0        |
|                                       | 1       | 5         | 11.10                 | 11.42                 | 11.45                 |                              | 0        |
|                                       | 3       | 0         | 11.08                 | 11.40                 | 11.39                 |                              | 0        |
|                                       | 3       | 2         | 11.05                 | 11.42                 | 11.35                 |                              | 0        |
|                                       | 3       | 3         | 11.03                 | 11.43                 | 11.30                 |                              | 0        |
|                                       | 6       | 0         | 10.97                 | 11.39                 | 11.33                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 11.10                 | 11.60                 | 11.35                 | 0-2                          | 0        |
|                                       | 1       | 2         | 10.99                 | 11.69                 | 11.33                 |                              | 0        |
|                                       | 1       | 5         | 11.17                 | 11.67                 | 11.35                 |                              | 0        |
|                                       | 3       | 0         | 11.01                 | 11.44                 | 11.30                 |                              | 0        |
|                                       | 3       | 2         | 11.10                 | 11.38                 | 11.38                 |                              | 0        |
|                                       | 3       | 3         | 11.05                 | 11.33                 | 11.47                 |                              | 0        |
|                                       | 6       | 0         | 11.05                 | 11.31                 | 11.31                 | 0-3                          | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 102 of 297                        |

**Table 8-113**  
**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         | 12.96                    | 0                            | 0        |
|                                      | 1       | 50        | 13.04                    |                              | 0        |
|                                      | 1       | 99        | 13.00                    |                              | 0        |
|                                      | 50      | 0         | 13.17                    | 0-1                          | 0        |
|                                      | 50      | 25        | 13.06                    |                              | 0        |
|                                      | 50      | 50        | 13.01                    |                              | 0        |
| 16QAM                                | 100     | 0         | 12.98                    | 0-1                          | 0        |
|                                      | 1       | 0         | 13.33                    |                              | 0        |
|                                      | 1       | 50        | 13.38                    |                              | 0        |
|                                      | 1       | 99        | 13.36                    | 0-2                          | 0        |
|                                      | 50      | 0         | 13.19                    |                              | 0        |
|                                      | 50      | 25        | 13.09                    |                              | 0        |
| 64QAM                                | 50      | 50        | 13.03                    | 0-2                          | 0        |
|                                      | 100     | 0         | 13.05                    |                              | 0        |
|                                      | 1       | 0         | 13.06                    | 0-2                          | 0        |
|                                      | 1       | 50        | 13.12                    |                              | 0        |
|                                      | 1       | 99        | 13.09                    |                              | 0        |
|                                      | 50      | 0         | 13.18                    | 0-3                          | 0        |
|                                      | 50      | 25        | 13.07                    |                              | 0        |
|                                      | 50      | 50        | 13.04                    |                              | 0        |
|                                      | 100     | 0         | 13.05                    |                              | 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 8-114**  
**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         | 13.10                 | 12.81                 | 12.86                 | 0                            | 0        |
|                                      | 1       | 36        | 13.09                 | 12.87                 | 13.15                 |                              | 0        |
|                                      | 1       | 74        | 12.84                 | 12.74                 | 13.02                 |                              | 0        |
|                                      | 36      | 0         | 13.04                 | 13.03                 | 13.02                 | 0-1                          | 0        |
|                                      | 36      | 18        | 12.97                 | 12.96                 | 13.25                 |                              | 0        |
|                                      | 36      | 37        | 12.87                 | 12.89                 | 13.21                 |                              | 0        |
|                                      | 75      | 0         | 12.93                 | 12.93                 | 13.21                 |                              | 0        |
| 16QAM                                | 1       | 0         | 13.15                 | 12.84                 | 13.08                 | 0-1                          | 0        |
|                                      | 1       | 36        | 13.08                 | 13.08                 | 13.28                 |                              | 0        |
|                                      | 1       | 74        | 12.93                 | 12.95                 | 13.23                 |                              | 0        |
|                                      | 36      | 0         | 13.08                 | 13.06                 | 13.05                 | 0-2                          | 0        |
|                                      | 36      | 18        | 12.97                 | 12.96                 | 13.28                 |                              | 0        |
|                                      | 36      | 37        | 12.90                 | 12.91                 | 13.24                 |                              | 0        |
|                                      | 75      | 0         | 12.95                 | 12.93                 | 13.23                 |                              | 0        |
| 64QAM                                | 1       | 0         | 12.96                 | 13.06                 | 13.14                 | 0-2                          | 0        |
|                                      | 1       | 36        | 13.02                 | 12.96                 | 13.50                 |                              | 0        |
|                                      | 1       | 74        | 12.86                 | 12.99                 | 13.41                 |                              | 0        |
|                                      | 36      | 0         | 13.07                 | 13.06                 | 13.09                 | 0-3                          | 0        |
|                                      | 36      | 18        | 12.99                 | 12.99                 | 13.32                 |                              | 0        |
|                                      | 36      | 37        | 12.90                 | 12.91                 | 13.27                 |                              | 0        |
|                                      | 75      | 0         | 12.97                 | 12.93                 | 13.26                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 103 of 297                 |

**Table 8-115**  
**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         | 12.93                 | 13.10                 | 13.08                 | 0                            | 0        |   |
|                                      | 1       | 25        | 12.91                 | 13.07                 | 13.15                 |                              | 0        |   |
|                                      | 1       | 49        | 12.82                 | 12.99                 | 13.04                 |                              | 0        |   |
|                                      | 25      | 0         | 13.01                 | 13.19                 | 13.28                 | 0-1                          | 0        |   |
|                                      | 25      | 12        | 13.04                 | 13.14                 | 13.25                 |                              | 0        |   |
|                                      | 25      | 25        | 12.98                 | 13.04                 | 13.14                 |                              | 0        |   |
| 16QAM                                | 50      | 0         | 13.05                 | 13.16                 | 13.26                 | 0                            | 0        |   |
|                                      | 1       | 0         | 13.21                 | 13.34                 | 13.22                 |                              | 0-1      | 0 |
|                                      | 1       | 25        | 13.17                 | 13.16                 | 13.20                 |                              |          | 0 |
|                                      | 1       | 49        | 13.08                 | 13.10                 | 13.04                 | 0-2                          |          | 0 |
|                                      | 25      | 0         | 13.05                 | 13.19                 | 13.25                 |                              | 0        |   |
|                                      | 25      | 12        | 13.07                 | 13.14                 | 13.17                 |                              | 0        |   |
| 64QAM                                | 25      | 25        | 13.01                 | 13.06                 | 13.14                 | 0                            | 0        |   |
|                                      | 50      | 0         | 13.04                 | 13.12                 | 13.19                 |                              | 0        |   |
|                                      | 1       | 0         | 13.11                 | 13.33                 | 13.46                 |                              | 0-2      | 0 |
|                                      | 1       | 25        | 13.12                 | 13.29                 | 13.44                 | 0                            |          |   |
|                                      | 1       | 49        | 13.02                 | 13.28                 | 13.41                 | 0                            |          |   |
|                                      | 25      | 0         | 12.94                 | 13.13                 | 13.22                 | 0-3                          | 0        |   |
| 25                                   | 12      | 13.02     | 13.08                 | 13.21                 | 0                     |                              |          |   |
| 25                                   | 25      | 12.94     | 13.03                 | 13.11                 | 0                     |                              |          |   |
|                                      | 50      | 0         | 13.07                 | 13.16                 | 13.16                 |                              | 0        |   |

**Table 8-116**  
**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         | 12.84                 | 13.09                 | 12.99                 | 0                            | 0        |
|                                     | 1       | 12        | 12.86                 | 13.06                 | 12.86                 |                              | 0        |
|                                     | 1       | 24        | 12.91                 | 13.03                 | 12.87                 |                              | 0        |
|                                     | 12      | 0         | 12.93                 | 13.10                 | 13.14                 | 0-1                          | 0        |
|                                     | 12      | 6         | 12.93                 | 13.05                 | 13.03                 |                              | 0        |
|                                     | 12      | 13        | 12.98                 | 12.98                 | 13.00                 |                              | 0        |
| 16QAM                               | 25      | 0         | 12.94                 | 13.01                 | 13.01                 | 0-1                          | 0        |
|                                     | 1       | 0         | 13.14                 | 13.32                 | 13.30                 |                              | 0        |
|                                     | 1       | 12        | 13.10                 | 13.22                 | 12.90                 |                              | 0        |
|                                     | 1       | 24        | 13.10                 | 13.13                 | 13.11                 | 0-2                          | 0        |
|                                     | 12      | 0         | 12.97                 | 13.07                 | 13.04                 |                              | 0        |
|                                     | 12      | 6         | 12.98                 | 13.01                 | 13.01                 |                              | 0        |
| 64QAM                               | 12      | 13        | 12.97                 | 12.99                 | 13.02                 | 0-2                          | 0        |
|                                     | 25      | 0         | 13.01                 | 13.01                 | 13.01                 |                              | 0        |
|                                     | 1       | 0         | 12.97                 | 13.34                 | 13.33                 |                              | 0-3      |
|                                     | 1       | 12        | 12.98                 | 13.32                 | 13.15                 | 0                            |          |
|                                     | 1       | 24        | 13.04                 | 13.21                 | 13.15                 | 0                            |          |
|                                     | 12      | 0         | 12.84                 | 13.14                 | 13.08                 | 0                            |          |
| 12                                  | 6       | 12.93     | 13.02                 | 13.00                 | 0                     |                              |          |
| 12                                  | 13      | 13.04     | 12.97                 | 13.00                 | 0                     |                              |          |
| 25                                  | 0       | 12.96     | 12.94                 | 13.01                 | 0                     |                              |          |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 104 of 297                        |

**Table 8-117**  
**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         | 12.72                 | 12.89                 | 12.88                 | 0                            | 0        |
|                                     | 1       | 7         | 12.78                 | 12.92                 | 12.94                 |                              | 0        |
|                                     | 1       | 14        | 12.76                 | 12.76                 | 12.88                 |                              | 0        |
|                                     | 8       | 0         | 12.87                 | 12.96                 | 13.04                 | 0-1                          | 0        |
|                                     | 8       | 4         | 12.88                 | 12.98                 | 13.02                 |                              | 0        |
|                                     | 8       | 7         | 12.89                 | 12.90                 | 13.05                 |                              | 0        |
| 16QAM                               | 15      | 0         | 12.90                 | 12.99                 | 13.05                 | 0-1                          | 0        |
|                                     | 1       | 0         | 12.98                 | 12.85                 | 13.10                 |                              | 0        |
|                                     | 1       | 7         | 12.98                 | 13.09                 | 12.98                 |                              | 0        |
|                                     | 1       | 14        | 12.90                 | 13.02                 | 13.02                 | 0-2                          | 0        |
|                                     | 8       | 0         | 12.92                 | 13.05                 | 13.13                 |                              | 0        |
|                                     | 8       | 4         | 12.95                 | 13.02                 | 13.05                 |                              | 0        |
| 64QAM                               | 8       | 7         | 12.99                 | 12.91                 | 13.06                 | 0-2                          | 0        |
|                                     | 15      | 0         | 12.93                 | 12.95                 | 13.04                 |                              | 0        |
|                                     | 1       | 0         | 12.95                 | 13.18                 | 13.14                 | 0-2                          | 0        |
|                                     | 1       | 7         | 12.96                 | 13.14                 | 13.26                 |                              | 0        |
|                                     | 1       | 14        | 12.99                 | 12.94                 | 13.28                 | 0-3                          | 0        |
|                                     | 8       | 0         | 12.97                 | 12.97                 | 13.17                 |                              | 0        |
| 8                                   | 4       | 12.97     | 13.01                 | 13.11                 | 0                     |                              |          |
| 64QAM                               | 8       | 7         | 12.97                 | 12.96                 | 13.10                 | 0-3                          | 0        |
|                                     | 15      | 0         | 12.89                 | 13.00                 | 13.09                 |                              | 0        |

**Table 8-118**  
**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         | 12.84                 | 12.90                 | 13.22                 | 0                            | 0        |
|                                       | 1       | 2         | 12.80                 | 12.88                 | 13.17                 |                              | 0        |
|                                       | 1       | 5         | 12.85                 | 12.92                 | 13.18                 |                              | 0        |
|                                       | 3       | 0         | 12.91                 | 12.99                 | 13.14                 |                              | 0        |
|                                       | 3       | 2         | 12.90                 | 12.98                 | 13.13                 |                              | 0        |
|                                       | 3       | 3         | 12.91                 | 12.99                 | 13.12                 |                              | 0        |
|                                       | 6       | 0         | 12.91                 | 12.97                 | 13.14                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 13.08                 | 13.01                 | 13.32                 | 0-1                          | 0        |
|                                       | 1       | 2         | 13.06                 | 13.11                 | 13.28                 |                              | 0        |
|                                       | 1       | 5         | 13.01                 | 13.12                 | 13.37                 |                              | 0        |
|                                       | 3       | 0         | 13.07                 | 13.05                 | 13.31                 |                              | 0        |
|                                       | 3       | 2         | 13.10                 | 13.02                 | 13.26                 |                              | 0        |
|                                       | 3       | 3         | 13.08                 | 13.10                 | 13.26                 |                              | 0        |
|                                       | 6       | 0         | 12.88                 | 12.98                 | 13.19                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 13.10                 | 13.16                 | 13.37                 | 0-2                          | 0        |
|                                       | 1       | 2         | 13.07                 | 13.20                 | 13.31                 |                              | 0        |
|                                       | 1       | 5         | 13.13                 | 13.07                 | 13.27                 |                              | 0        |
|                                       | 3       | 0         | 12.98                 | 12.95                 | 13.16                 |                              | 0        |
|                                       | 3       | 2         | 12.96                 | 13.03                 | 13.28                 |                              | 0        |
|                                       | 3       | 3         | 13.00                 | 13.02                 | 13.12                 |                              | 0        |
|                                       | 6       | 0         | 13.00                 | 12.97                 | 13.16                 | 0-3                          | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 105 of 297                        |

**Table 8-119**  
**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         | 10.14                    | 0                            | 0        |
|                                      | 1       | 50        | 10.45                    |                              | 0        |
|                                      | 1       | 99        | 10.50                    |                              | 0        |
|                                      | 50      | 0         | 10.40                    | 0-1                          | 0        |
|                                      | 50      | 25        | 10.41                    |                              | 0        |
|                                      | 50      | 50        | 10.47                    |                              | 0        |
| 16QAM                                | 100     | 0         | 10.45                    | 0-1                          | 0        |
|                                      | 1       | 0         | 9.95                     |                              | 0        |
|                                      | 1       | 50        | 10.24                    |                              | 0        |
|                                      | 1       | 99        | 10.43                    | 0-2                          | 0        |
|                                      | 50      | 0         | 10.11                    |                              | 0        |
|                                      | 50      | 25        | 10.16                    |                              | 0        |
| 64QAM                                | 50      | 50        | 10.22                    | 0-2                          | 0        |
|                                      | 100     | 0         | 10.18                    |                              | 0        |
|                                      | 1       | 0         | 10.23                    | 0-3                          | 0        |
|                                      | 1       | 50        | 10.42                    |                              | 0        |
|                                      | 1       | 99        | 10.45                    |                              | 0        |
|                                      | 50      | 0         | 10.18                    | 0-3                          | 0        |
|                                      | 50      | 25        | 10.10                    |                              | 0        |
|                                      | 50      | 50        | 10.07                    |                              | 0        |
|                                      | 100     | 0         | 10.24                    |                              | 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 8-120**  
**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         | 9.79                  | 9.98                  | 10.08                 | 0                            | 0        |
|                                      | 1       | 36        | 9.89                  | 10.15                 | 9.94                  |                              | 0        |
|                                      | 1       | 74        | 9.85                  | 10.25                 | 10.20                 |                              | 0        |
|                                      | 36      | 0         | 10.08                 | 10.21                 | 9.99                  | 0-1                          | 0        |
|                                      | 36      | 18        | 9.97                  | 10.20                 | 10.03                 |                              | 0        |
|                                      | 36      | 37        | 9.92                  | 10.21                 | 10.16                 |                              | 0        |
| 16QAM                                | 75      | 0         | 9.98                  | 10.15                 | 10.05                 | 0-1                          | 0        |
|                                      | 1       | 0         | 10.01                 | 10.28                 | 10.17                 |                              | 0        |
|                                      | 1       | 36        | 10.03                 | 10.48                 | 10.12                 |                              | 0        |
|                                      | 1       | 74        | 10.19                 | 10.49                 | 10.27                 | 0-2                          | 0        |
|                                      | 36      | 0         | 10.02                 | 10.18                 | 10.05                 |                              | 0        |
|                                      | 36      | 18        | 9.96                  | 10.22                 | 10.06                 |                              | 0        |
| 64QAM                                | 36      | 37        | 9.93                  | 10.24                 | 10.14                 | 0-2                          | 0        |
|                                      | 75      | 0         | 10.01                 | 10.20                 | 10.08                 |                              | 0        |
|                                      | 1       | 0         | 10.08                 | 10.08                 | 10.30                 |                              | 0-2      |
|                                      | 1       | 36        | 10.24                 | 10.11                 | 10.35                 | 0                            |          |
|                                      | 1       | 74        | 10.06                 | 9.99                  | 10.39                 | 0-3                          |          |
|                                      | 36      | 0         | 10.17                 | 10.13                 | 10.34                 |                              | 0        |
| 36                                   | 18      | 10.12     | 9.95                  | 10.35                 | 0                     |                              |          |
| 64QAM                                | 36      | 37        | 9.98                  | 9.93                  | 10.45                 | 0-3                          | 0        |
|                                      | 75      | 0         | 10.06                 | 10.01                 | 10.35                 |                              | 0        |

|                                         |                                                                                                   |                              |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   | Page 106 of 297                 |

**Table 8-121**  
**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         | 10.22                 | 10.18                 | 9.99                  | 0                            | 0        |
|                                      | 1       | 25        | 10.15                 | 10.18                 | 10.10                 |                              | 0        |
|                                      | 1       | 49        | 10.05                 | 10.01                 | 10.23                 |                              | 0        |
|                                      | 25      | 0         | 10.27                 | 10.11                 | 10.07                 | 0-1                          | 0        |
|                                      | 25      | 12        | 10.23                 | 10.04                 | 10.15                 |                              | 0        |
|                                      | 25      | 25        | 10.18                 | 9.97                  | 10.27                 |                              | 0        |
| 16QAM                                | 50      | 0         | 10.27                 | 10.04                 | 10.15                 | 0-1                          | 0        |
|                                      | 1       | 0         | 10.32                 | 10.17                 | 10.06                 |                              | 0        |
|                                      | 1       | 25        | 10.29                 | 10.23                 | 10.34                 |                              | 0        |
|                                      | 1       | 49        | 10.15                 | 10.22                 | 10.39                 | 0-2                          | 0        |
|                                      | 25      | 0         | 10.28                 | 10.14                 | 10.07                 |                              | 0        |
|                                      | 25      | 12        | 10.28                 | 10.09                 | 10.18                 |                              | 0        |
| 64QAM                                | 25      | 25        | 10.24                 | 10.02                 | 10.30                 | 0-2                          | 0        |
|                                      | 50      | 0         | 10.26                 | 10.04                 | 10.19                 |                              | 0        |
|                                      | 1       | 0         | 10.07                 | 10.07                 | 10.12                 |                              | 0-2      |
|                                      | 1       | 25        | 10.13                 | 10.03                 | 10.13                 | 0                            |          |
|                                      | 1       | 49        | 10.18                 | 10.05                 | 10.28                 | 0                            |          |
|                                      | 64QAM   | 25        | 0                     | 10.11                 | 10.02                 | 9.94                         | 0-3      |
| 25                                   |         | 12        | 10.13                 | 10.09                 | 10.03                 | 0                            |          |
| 25                                   |         | 25        | 10.00                 | 9.92                  | 10.15                 | 0                            |          |
| 50                                   |         | 0         | 10.02                 | 9.95                  | 10.05                 |                              | 0        |

**Table 8-122**  
**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         | 9.71                  | 10.23                 | 10.13                 | 0                            | 0        |
|                                     | 1       | 12        | 9.69                  | 10.21                 | 10.17                 |                              | 0        |
|                                     | 1       | 24        | 9.99                  | 10.08                 | 10.16                 |                              | 0        |
|                                     | 12      | 0         | 9.98                  | 10.13                 | 10.14                 | 0-1                          | 0        |
|                                     | 12      | 6         | 9.99                  | 10.11                 | 10.23                 |                              | 0        |
|                                     | 12      | 13        | 10.14                 | 10.10                 | 10.23                 |                              | 0        |
| 16QAM                               | 25      | 0         | 9.98                  | 10.13                 | 10.24                 | 0-1                          | 0        |
|                                     | 1       | 0         | 10.03                 | 10.40                 | 10.17                 |                              | 0        |
|                                     | 1       | 12        | 9.97                  | 10.32                 | 10.17                 |                              | 0        |
|                                     | 1       | 24        | 10.06                 | 10.29                 | 10.23                 | 0-2                          | 0        |
|                                     | 12      | 0         | 9.97                  | 10.23                 | 10.13                 |                              | 0        |
|                                     | 12      | 6         | 9.98                  | 10.22                 | 10.25                 |                              | 0        |
| 64QAM                               | 12      | 13        | 10.14                 | 10.18                 | 10.23                 | 0-2                          | 0        |
|                                     | 25      | 0         | 10.06                 | 10.18                 | 10.23                 |                              | 0        |
|                                     | 1       | 0         | 10.04                 | 10.25                 | 10.28                 |                              | 0-2      |
|                                     | 1       | 12        | 10.05                 | 10.22                 | 10.24                 | 0                            |          |
|                                     | 1       | 24        | 10.26                 | 10.21                 | 10.27                 | 0                            |          |
|                                     | 12      | 0         | 9.85                  | 10.09                 | 10.10                 | 0-3                          | 0        |
| 12                                  | 6       | 9.91      | 10.12                 | 10.14                 | 0                     |                              |          |
| 12                                  | 13      | 10.02     | 10.07                 | 10.13                 | 0                     |                              |          |
|                                     | 25      | 0         | 9.84                  | 10.04                 | 10.15                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 107 of 297                        |

**Table 8-123**  
**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         | 9.92                  | 9.88                  | 10.10                 | 0                            | 0        |
|                                     | 1       | 7         | 9.96                  | 9.95                  | 10.12                 |                              | 0        |
|                                     | 1       | 14        | 9.95                  | 9.82                  | 10.07                 |                              | 0        |
|                                     | 8       | 0         | 10.06                 | 10.01                 | 10.21                 | 0-1                          | 0        |
|                                     | 8       | 4         | 10.06                 | 10.01                 | 10.16                 |                              | 0        |
|                                     | 8       | 7         | 10.06                 | 9.95                  | 10.19                 |                              | 0        |
|                                     | 15      | 0         | 10.08                 | 10.02                 | 10.20                 |                              | 0        |
| 16QAM                               | 1       | 0         | 10.12                 | 10.00                 | 10.27                 | 0-1                          | 0        |
|                                     | 1       | 7         | 10.13                 | 10.18                 | 10.29                 |                              | 0        |
|                                     | 1       | 14        | 10.04                 | 10.04                 | 10.27                 |                              | 0        |
|                                     | 8       | 0         | 10.10                 | 10.04                 | 10.30                 | 0-2                          | 0        |
|                                     | 8       | 4         | 10.02                 | 10.12                 | 10.25                 |                              | 0        |
|                                     | 8       | 7         | 10.08                 | 10.03                 | 10.24                 |                              | 0        |
|                                     | 15      | 0         | 10.11                 | 10.05                 | 10.28                 |                              | 0        |
| 64QAM                               | 1       | 0         | 10.00                 | 10.17                 | 10.33                 | 0-2                          | 0        |
|                                     | 1       | 7         | 10.09                 | 10.24                 | 10.47                 |                              | 0        |
|                                     | 1       | 14        | 10.05                 | 10.12                 | 10.40                 |                              | 0        |
|                                     | 8       | 0         | 9.99                  | 10.04                 | 10.29                 | 0-3                          | 0        |
|                                     | 8       | 4         | 9.94                  | 10.02                 | 10.32                 |                              | 0        |
|                                     | 8       | 7         | 9.97                  | 10.01                 | 10.28                 |                              | 0        |
|                                     | 15      | 0         | 9.95                  | 10.03                 | 10.27                 |                              | 0        |

**Table 8-124**  
**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         | 10.15                 | 10.18                 | 10.48                 | 0                            | 0        |
|                                       | 1       | 2         | 10.13                 | 10.15                 | 10.45                 |                              | 0        |
|                                       | 1       | 5         | 10.15                 | 10.18                 | 10.48                 |                              | 0        |
|                                       | 3       | 0         | 10.09                 | 10.02                 | 10.35                 |                              | 0        |
|                                       | 3       | 2         | 10.06                 | 10.01                 | 10.36                 |                              | 0        |
|                                       | 3       | 3         | 10.06                 | 10.02                 | 10.36                 |                              | 0        |
|                                       | 6       | 0         | 10.09                 | 10.03                 | 10.34                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 10.26                 | 10.33                 | 10.43                 | 0-1                          | 0        |
|                                       | 1       | 2         | 10.25                 | 10.27                 | 10.50                 |                              | 0        |
|                                       | 1       | 5         | 10.29                 | 10.26                 | 10.48                 |                              | 0        |
|                                       | 3       | 0         | 10.11                 | 10.18                 | 10.35                 |                              | 0        |
|                                       | 3       | 2         | 10.04                 | 10.09                 | 10.42                 |                              | 0        |
|                                       | 3       | 3         | 10.17                 | 10.24                 | 10.41                 |                              | 0        |
|                                       | 6       | 0         | 10.14                 | 10.15                 | 10.43                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 10.09                 | 10.25                 | 10.42                 | 0-2                          | 0        |
|                                       | 1       | 2         | 10.11                 | 10.25                 | 10.42                 |                              | 0        |
|                                       | 1       | 5         | 10.12                 | 10.22                 | 10.32                 |                              | 0        |
|                                       | 3       | 0         | 10.08                 | 10.14                 | 10.27                 |                              | 0        |
|                                       | 3       | 2         | 9.90                  | 10.12                 | 10.32                 |                              | 0        |
|                                       | 3       | 3         | 10.00                 | 10.16                 | 10.35                 |                              | 0        |
|                                       | 6       | 0         | 9.96                  | 10.05                 | 10.26                 | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 108 of 297                 |

### 8.3.8

### LTE Band 66

**Table 8-125**  
**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         | 14.84                  | 14.77                  | 14.31                  | 0                            | 0        |
|                                       | 1       | 50        | 14.61                  | 14.78                  | 14.36                  |                              | 0        |
|                                       | 1       | 99        | 14.56                  | 14.56                  | 14.54                  |                              | 0        |
|                                       | 50      | 0         | 14.68                  | 14.82                  | 14.45                  | 0-1                          | 0        |
|                                       | 50      | 25        | 14.60                  | 14.79                  | 14.55                  |                              | 0        |
|                                       | 50      | 50        | 14.41                  | 14.69                  | 14.67                  |                              | 0        |
|                                       | 100     | 0         | 14.60                  | 14.80                  | 14.58                  |                              | 0        |
| 16QAM                                 | 1       | 0         | 14.80                  | 14.41                  | 14.23                  | 0-1                          | 0        |
|                                       | 1       | 50        | 14.51                  | 14.32                  | 14.28                  |                              | 0        |
|                                       | 1       | 99        | 14.40                  | 14.17                  | 14.42                  |                              | 0        |
|                                       | 50      | 0         | 14.27                  | 14.30                  | 14.00                  | 0-2                          | 0        |
|                                       | 50      | 25        | 14.11                  | 14.26                  | 14.10                  |                              | 0        |
|                                       | 50      | 50        | 14.00                  | 14.15                  | 14.13                  |                              | 0        |
|                                       | 100     | 0         | 14.11                  | 14.26                  | 14.13                  |                              | 0        |
| 64QAM                                 | 1       | 0         | 14.56                  | 14.11                  | 14.26                  | 0-2                          | 0        |
|                                       | 1       | 50        | 14.20                  | 14.06                  | 14.27                  |                              | 0        |
|                                       | 1       | 99        | 14.09                  | 13.96                  | 14.26                  |                              | 0        |
|                                       | 50      | 0         | 14.25                  | 14.08                  | 14.02                  | 0-3                          | 0        |
|                                       | 50      | 25        | 14.03                  | 14.04                  | 14.04                  |                              | 0        |
|                                       | 50      | 50        | 13.95                  | 13.98                  | 14.08                  |                              | 0        |
|                                       | 100     | 0         | 13.98                  | 14.03                  | 14.10                  |                              | 0        |

**Table 8-126**  
**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         | 14.85                  | 14.58                  | 14.44                  | 0                            | 0        |
|                                       | 1       | 36        | 14.72                  | 14.46                  | 14.46                  |                              | 0        |
|                                       | 1       | 74        | 14.58                  | 14.46                  | 14.49                  |                              | 0        |
|                                       | 36      | 0         | 14.83                  | 14.64                  | 14.52                  | 0-1                          | 0        |
|                                       | 36      | 18        | 14.76                  | 14.59                  | 14.52                  |                              | 0        |
|                                       | 36      | 37        | 14.60                  | 14.59                  | 14.55                  |                              | 0        |
|                                       | 75      | 0         | 14.68                  | 14.61                  | 14.54                  |                              | 0        |
| 16QAM                                 | 1       | 0         | 14.76                  | 14.46                  | 14.54                  | 0-1                          | 0        |
|                                       | 1       | 36        | 14.60                  | 14.38                  | 14.41                  |                              | 0        |
|                                       | 1       | 74        | 14.56                  | 14.35                  | 14.41                  |                              | 0        |
|                                       | 36      | 0         | 14.61                  | 14.40                  | 14.28                  | 0-2                          | 0        |
|                                       | 36      | 18        | 14.54                  | 14.35                  | 14.28                  |                              | 0        |
|                                       | 36      | 37        | 14.36                  | 14.35                  | 14.33                  |                              | 0        |
|                                       | 75      | 0         | 14.45                  | 14.35                  | 14.29                  |                              | 0        |
| 64QAM                                 | 1       | 0         | 14.59                  | 14.32                  | 14.16                  | 0-2                          | 0        |
|                                       | 1       | 36        | 14.45                  | 14.19                  | 14.20                  |                              | 0        |
|                                       | 1       | 74        | 14.28                  | 14.20                  | 14.22                  |                              | 0        |
|                                       | 36      | 0         | 14.57                  | 14.37                  | 14.25                  | 0-3                          | 0        |
|                                       | 36      | 18        | 14.47                  | 14.33                  | 14.24                  |                              | 0        |
|                                       | 36      | 37        | 14.31                  | 14.31                  | 14.29                  |                              | 0        |
|                                       | 75      | 0         | 14.41                  | 14.34                  | 14.27                  |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 109 of 297                 |

**Table 8-127**  
**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         | 14.71                  | 14.52                  | 14.25                  | 0                            | 0        |
|                                       | 1       | 25        | 14.54                  | 14.50                  | 14.49                  |                              | 0        |
|                                       | 1       | 49        | 14.21                  | 14.41                  | 14.40                  |                              | 0        |
|                                       | 25      | 0         | 14.84                  | 14.61                  | 14.36                  | 0-1                          | 0        |
|                                       | 25      | 12        | 14.68                  | 14.63                  | 14.54                  |                              | 0        |
|                                       | 25      | 25        | 14.52                  | 14.58                  | 14.51                  |                              | 0        |
| 16QAM                                 | 50      | 0         | 14.65                  | 14.60                  | 14.52                  | 0-1                          | 0        |
|                                       | 1       | 0         | 14.62                  | 14.84                  | 14.30                  |                              | 0        |
|                                       | 1       | 25        | 14.57                  | 14.49                  | 14.64                  |                              | 0        |
|                                       | 25      | 0         | 14.54                  | 14.31                  | 14.04                  | 0-2                          | 0        |
|                                       | 25      | 12        | 14.36                  | 14.30                  | 14.19                  |                              | 0        |
|                                       | 25      | 25        | 14.22                  | 14.27                  | 14.16                  |                              | 0        |
| 64QAM                                 | 50      | 0         | 14.28                  | 14.28                  | 14.17                  | 0-2                          | 0        |
|                                       | 1       | 0         | 14.42                  | 14.30                  | 13.91                  |                              | 0        |
|                                       | 1       | 25        | 14.25                  | 14.25                  | 14.18                  |                              | 0        |
|                                       | 1       | 49        | 13.91                  | 14.12                  | 14.07                  | 0-3                          | 0        |
|                                       | 25      | 0         | 14.57                  | 14.31                  | 13.99                  |                              | 0        |
|                                       | 25      | 12        | 14.33                  | 14.30                  | 14.16                  |                              | 0        |
|                                       | 25      | 25        | 14.20                  | 14.26                  | 14.14                  | 0                            |          |
|                                       | 50      | 0         | 14.31                  | 14.27                  | 14.16                  | 0                            |          |

**Table 8-128**  
**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         | 14.55                  | 14.47                  | 14.45                  | 0                            | 0        |
|                                      | 1       | 12        | 14.62                  | 14.50                  | 14.45                  |                              | 0        |
|                                      | 1       | 24        | 14.59                  | 14.48                  | 14.31                  |                              | 0        |
|                                      | 12      | 0         | 14.71                  | 14.56                  | 14.49                  | 0-1                          | 0        |
|                                      | 12      | 6         | 14.72                  | 14.55                  | 14.41                  |                              | 0        |
|                                      | 12      | 13        | 14.73                  | 14.55                  | 14.43                  |                              | 0        |
| 16QAM                                | 25      | 0         | 14.75                  | 14.58                  | 14.44                  | 0-1                          | 0        |
|                                      | 1       | 0         | 14.65                  | 14.39                  | 14.46                  |                              | 0        |
|                                      | 1       | 12        | 14.85                  | 14.79                  | 14.36                  |                              | 0        |
|                                      | 1       | 24        | 14.83                  | 14.35                  | 14.52                  | 0-2                          | 0        |
|                                      | 12      | 0         | 14.52                  | 14.37                  | 14.25                  |                              | 0        |
|                                      | 12      | 6         | 14.51                  | 14.35                  | 14.18                  |                              | 0        |
| 64QAM                                | 12      | 13        | 14.57                  | 14.39                  | 14.15                  | 0-2                          | 0        |
|                                      | 25      | 0         | 14.56                  | 14.38                  | 14.21                  |                              | 0        |
|                                      | 1       | 0         | 14.55                  | 14.38                  | 14.51                  |                              | 0-2      |
|                                      | 1       | 12        | 14.65                  | 14.36                  | 14.39                  | 0                            |          |
|                                      | 1       | 24        | 14.83                  | 14.65                  | 14.32                  | 0-3                          |          |
|                                      | 12      | 0         | 14.61                  | 14.41                  | 14.20                  |                              | 0        |
| 12                                   | 6       | 14.43     | 14.32                  | 14.16                  | 0                      |                              |          |
| 64QAM                                | 12      | 13        | 14.54                  | 14.37                  | 14.14                  | 0-3                          | 0        |
|                                      | 25      | 0         | 14.51                  | 14.39                  | 14.17                  |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 110 of 297                        |

**Table 8-129**  
**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         | 14.69                  | 14.47                  | 14.30                  | 0                            | 0        |
|                                      | 1       | 7         | 14.68                  | 14.42                  | 14.32                  |                              | 0        |
|                                      | 1       | 14        | 14.62                  | 14.44                  | 14.22                  |                              | 0        |
|                                      | 8       | 0         | 14.76                  | 14.58                  | 14.38                  | 0-1                          | 0        |
|                                      | 8       | 4         | 14.76                  | 14.55                  | 14.41                  |                              | 0        |
|                                      | 8       | 7         | 14.72                  | 14.53                  | 14.37                  |                              | 0        |
|                                      | 15      | 0         | 14.80                  | 14.56                  | 14.44                  |                              | 0        |
| 16QAM                                | 1       | 0         | 14.72                  | 14.54                  | 14.21                  | 0-1                          | 0        |
|                                      | 1       | 7         | 14.67                  | 14.49                  | 14.22                  |                              | 0        |
|                                      | 1       | 14        | 14.65                  | 14.61                  | 14.32                  |                              | 0        |
|                                      | 8       | 0         | 14.53                  | 14.27                  | 14.20                  | 0-2                          | 0        |
|                                      | 8       | 4         | 14.53                  | 14.19                  | 14.19                  |                              | 0        |
|                                      | 8       | 7         | 14.42                  | 14.24                  | 14.15                  |                              | 0        |
|                                      | 15      | 0         | 14.53                  | 14.26                  | 14.21                  |                              | 0        |
| 64QAM                                | 1       | 0         | 14.67                  | 14.45                  | 14.44                  | 0-2                          | 0        |
|                                      | 1       | 7         | 14.69                  | 14.40                  | 14.23                  |                              | 0        |
|                                      | 1       | 14        | 14.65                  | 14.55                  | 14.32                  |                              | 0        |
|                                      | 8       | 0         | 14.54                  | 14.25                  | 14.21                  | 0-3                          | 0        |
|                                      | 8       | 4         | 14.54                  | 14.32                  | 14.27                  |                              | 0        |
|                                      | 8       | 7         | 14.51                  | 14.21                  | 14.23                  |                              | 0        |
|                                      | 15      | 0         | 14.57                  | 14.31                  | 14.26                  |                              | 0        |

**Table 8-130**  
**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         | 14.77                  | 14.47                  | 14.49                  | 0                            | 0        |
|                                        | 1       | 2         | 14.77                  | 14.41                  | 14.47                  |                              | 0        |
|                                        | 1       | 5         | 14.80                  | 14.44                  | 14.42                  |                              | 0        |
|                                        | 3       | 0         | 14.72                  | 14.54                  | 14.38                  |                              | 0        |
|                                        | 3       | 2         | 14.72                  | 14.54                  | 14.39                  |                              | 0        |
|                                        | 3       | 3         | 14.73                  | 14.52                  | 14.30                  |                              | 0        |
|                                        | 6       | 0         | 14.73                  | 14.56                  | 14.44                  | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 14.67                  | 14.69                  | 14.36                  | 0-1                          | 0        |
|                                        | 1       | 2         | 14.84                  | 14.30                  | 14.45                  |                              | 0        |
|                                        | 1       | 5         | 14.80                  | 14.75                  | 14.47                  |                              | 0        |
|                                        | 3       | 0         | 14.55                  | 14.38                  | 14.24                  |                              | 0        |
|                                        | 3       | 2         | 14.45                  | 14.30                  | 14.21                  |                              | 0        |
|                                        | 3       | 3         | 14.60                  | 14.37                  | 14.14                  |                              | 0        |
|                                        | 6       | 0         | 14.55                  | 14.32                  | 14.20                  | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 14.74                  | 14.65                  | 14.34                  | 0-2                          | 0        |
|                                        | 1       | 2         | 14.85                  | 14.73                  | 14.34                  |                              | 0        |
|                                        | 1       | 5         | 14.84                  | 14.56                  | 14.33                  |                              | 0        |
|                                        | 3       | 0         | 14.57                  | 14.39                  | 14.17                  |                              | 0        |
|                                        | 3       | 2         | 14.60                  | 14.33                  | 14.06                  |                              | 0        |
|                                        | 3       | 3         | 14.55                  | 14.28                  | 14.11                  |                              | 0        |
|                                        | 6       | 0         | 14.61                  | 14.38                  | 14.13                  | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 111 of 297                 |

**Table 8-131**  
**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         | 11.84                  | 11.72                  | 11.26                  | 0                            | 0        |
|                                       | 1       | 50        | 11.54                  | 11.78                  | 11.36                  |                              | 0        |
|                                       | 1       | 99        | 11.63                  | 11.56                  | 11.39                  |                              | 0        |
|                                       | 50      | 0         | 11.69                  | 11.76                  | 11.50                  | 0-1                          | 0        |
|                                       | 50      | 25        | 11.47                  | 11.79                  | 11.54                  |                              | 0        |
|                                       | 50      | 50        | 11.38                  | 11.61                  | 11.60                  |                              | 0        |
| 16QAM                                 | 100     | 0         | 11.43                  | 11.73                  | 11.58                  | 0-1                          | 0        |
|                                       | 1       | 0         | 11.78                  | 11.61                  | 11.41                  |                              | 0        |
|                                       | 1       | 50        | 11.42                  | 11.79                  | 11.49                  |                              | 0        |
|                                       | 1       | 99        | 11.51                  | 11.53                  | 11.46                  | 0-2                          | 0        |
|                                       | 50      | 0         | 11.48                  | 11.66                  | 11.35                  |                              | 0        |
|                                       | 50      | 25        | 11.29                  | 11.68                  | 11.39                  |                              | 0        |
| 64QAM                                 | 50      | 50        | 11.20                  | 11.54                  | 11.42                  | 0-2                          | 0        |
|                                       | 100     | 0         | 11.30                  | 11.68                  | 11.42                  |                              | 0        |
|                                       | 1       | 0         | 11.60                  | 11.66                  | 11.40                  |                              | 0-2      |
|                                       | 1       | 50        | 11.24                  | 11.51                  | 11.41                  | 0                            |          |
|                                       | 1       | 99        | 11.46                  | 11.38                  | 11.58                  | 0                            |          |
|                                       | 50      | 0         | 11.25                  | 11.65                  | 11.28                  | 0-3                          | 0        |
| 50                                    | 25      | 11.08     | 11.50                  | 11.28                  | 0                      |                              |          |
| 50                                    | 50      | 11.00     | 11.28                  | 11.41                  | 0                      |                              |          |
|                                       | 100     | 0         | 11.06                  | 11.33                  | 11.36                  |                              | 0        |

**Table 8-132**  
**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         | 11.67                  | 11.53                  | 11.21                  | 0                            | 0        |
|                                       | 1       | 36        | 11.52                  | 11.54                  | 11.33                  |                              | 0        |
|                                       | 1       | 74        | 11.28                  | 11.37                  | 11.28                  |                              | 0        |
|                                       | 36      | 0         | 11.54                  | 11.62                  | 11.38                  | 0-1                          | 0        |
|                                       | 36      | 18        | 11.43                  | 11.64                  | 11.40                  |                              | 0        |
|                                       | 36      | 37        | 11.33                  | 11.53                  | 11.46                  |                              | 0        |
| 16QAM                                 | 75      | 0         | 11.41                  | 11.64                  | 11.42                  | 0-1                          | 0        |
|                                       | 1       | 0         | 11.72                  | 11.82                  | 11.32                  |                              | 0        |
|                                       | 1       | 36        | 11.61                  | 11.78                  | 11.38                  |                              | 0        |
|                                       | 1       | 74        | 11.31                  | 11.55                  | 11.32                  | 0-2                          | 0        |
|                                       | 36      | 0         | 11.56                  | 11.64                  | 11.45                  |                              | 0        |
|                                       | 36      | 18        | 11.47                  | 11.67                  | 11.41                  |                              | 0        |
| 64QAM                                 | 36      | 37        | 11.40                  | 11.53                  | 11.47                  | 0-2                          | 0        |
|                                       | 75      | 0         | 11.47                  | 11.63                  | 11.42                  |                              | 0        |
|                                       | 1       | 0         | 11.65                  | 11.50                  | 11.30                  |                              | 0-2      |
|                                       | 1       | 36        | 11.39                  | 11.67                  | 11.41                  | 0                            |          |
|                                       | 1       | 74        | 11.12                  | 11.36                  | 11.38                  | 0-3                          |          |
|                                       | 36      | 0         | 11.43                  | 11.47                  | 11.28                  |                              | 0        |
| 36                                    | 18      | 11.24     | 11.51                  | 11.29                  | 0                      |                              |          |
| 64QAM                                 | 36      | 37        | 11.15                  | 11.34                  | 11.32                  | 0-3                          | 0        |
|                                       | 75      | 0         | 11.30                  | 11.48                  | 11.29                  |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 112 of 297                 |

**Table 8-133**  
**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                  | 11.60                  | 11.32                  | 0                            | 0        |
|                                       | 1       | 25        | 11.43                  | 11.58                  | 11.34                  |                              | 0        |
|                                       | 1       | 49        | 11.32                  | 11.45                  | 11.32                  |                              | 0        |
|                                       | 25      | 0         | 11.62                  | 11.64                  | 11.40                  | 0-1                          | 0        |
|                                       | 25      | 12        | 11.49                  | 11.64                  | 11.42                  |                              | 0        |
|                                       | 25      | 25        | 11.44                  | 11.51                  | 11.40                  |                              | 0        |
| 16QAM                                 | 50      | 0         | 11.49                  | 11.65                  | 11.44                  | 0-1                          | 0        |
|                                       | 1       | 0         | 11.75                  | 11.77                  | 11.44                  |                              | 0        |
|                                       | 1       | 25        | 11.54                  | 11.79                  | 11.29                  |                              | 0        |
|                                       | 1       | 49        | 11.47                  | 11.58                  | 11.47                  | 0-2                          | 0        |
|                                       | 25      | 0         | 11.63                  | 11.69                  | 11.40                  |                              | 0        |
|                                       | 25      | 12        | 11.47                  | 11.69                  | 11.42                  |                              | 0        |
| 64QAM                                 | 25      | 25        | 11.41                  | 11.57                  | 11.38                  | 0-2                          | 0        |
|                                       | 50      | 0         | 11.47                  | 11.68                  | 11.43                  |                              | 0        |
|                                       | 1       | 0         | 11.57                  | 11.72                  | 11.53                  |                              | 0-2      |
|                                       | 1       | 25        | 11.55                  | 11.64                  | 11.62                  | 0                            |          |
|                                       | 1       | 49        | 11.48                  | 11.61                  | 11.51                  | 0-3                          |          |
|                                       | 25      | 0         | 11.42                  | 11.54                  | 11.38                  |                              | 0        |
| 25                                    | 12      | 11.26     | 11.56                  | 11.40                  | 0                      |                              |          |
| 64QAM                                 | 25      | 25        | 11.30                  | 11.48                  | 11.33                  | 0-3                          | 0        |
|                                       | 50      | 0         | 11.29                  | 11.56                  | 11.39                  |                              | 0        |

**Table 8-134**  
**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         | 11.47                  | 11.66                  | 11.25                  | 0                            | 0        |
|                                      | 1       | 12        | 11.47                  | 11.63                  | 11.22                  |                              | 0        |
|                                      | 1       | 24        | 11.35                  | 11.51                  | 11.23                  |                              | 0        |
|                                      | 12      | 0         | 11.52                  | 11.70                  | 11.42                  | 0-1                          | 0        |
|                                      | 12      | 6         | 11.54                  | 11.60                  | 11.37                  |                              | 0        |
|                                      | 12      | 13        | 11.48                  | 11.52                  | 11.39                  |                              | 0        |
| 16QAM                                | 25      | 0         | 11.55                  | 11.62                  | 11.37                  | 0-1                          | 0        |
|                                      | 1       | 0         | 11.66                  | 11.86                  | 11.45                  |                              | 0        |
|                                      | 1       | 12        | 11.70                  | 11.81                  | 11.42                  |                              | 0        |
|                                      | 1       | 24        | 11.58                  | 11.80                  | 11.58                  | 0-2                          | 0        |
|                                      | 12      | 0         | 11.65                  | 11.78                  | 11.53                  |                              | 0        |
|                                      | 12      | 6         | 11.64                  | 11.67                  | 11.47                  |                              | 0        |
| 64QAM                                | 12      | 13        | 11.56                  | 11.57                  | 11.55                  | 0-2                          | 0        |
|                                      | 25      | 0         | 11.63                  | 11.70                  | 11.50                  |                              | 0        |
|                                      | 1       | 0         | 11.58                  | 11.69                  | 11.50                  |                              | 0-2      |
|                                      | 1       | 12        | 11.54                  | 11.59                  | 11.41                  | 0                            |          |
|                                      | 1       | 24        | 11.56                  | 11.60                  | 11.39                  | 0                            |          |
|                                      | 12      | 0         | 11.41                  | 11.63                  | 11.34                  | 0-3                          | 0        |
| 12                                   | 6       | 11.43     | 11.60                  | 11.27                  | 0                      |                              |          |
| 12                                   | 13      | 11.39     | 11.46                  | 11.32                  | 0                      |                              |          |
|                                      | 25      | 0         | 11.42                  | 11.53                  | 11.26                  |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 113 of 297                 |

Table 8-135

## 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         | 11.27                  | 11.57                  | 11.19                  | 0                            | 0        |
|                                      | 1       | 7         | 11.34                  | 11.58                  | 11.27                  |                              | 0        |
|                                      | 1       | 14        | 11.34                  | 11.44                  | 11.20                  |                              | 0        |
|                                      | 8       | 0         | 11.41                  | 11.70                  | 11.34                  | 0-1                          | 0        |
|                                      | 8       | 4         | 11.44                  | 11.61                  | 11.33                  |                              | 0        |
|                                      | 8       | 7         | 11.45                  | 11.64                  | 11.30                  |                              | 0        |
| 16QAM                                | 15      | 0         | 11.45                  | 11.63                  | 11.35                  | 0-1                          | 0        |
|                                      | 1       | 0         | 11.55                  | 11.81                  | 11.39                  |                              | 0        |
|                                      | 1       | 7         | 11.69                  | 11.56                  | 11.38                  |                              | 0        |
|                                      | 1       | 14        | 11.57                  | 11.60                  | 11.33                  | 0-2                          | 0        |
|                                      | 8       | 0         | 11.62                  | 11.70                  | 11.46                  |                              | 0        |
|                                      | 8       | 4         | 11.62                  | 11.62                  | 11.49                  |                              | 0        |
| 64QAM                                | 8       | 7         | 11.62                  | 11.62                  | 11.39                  | 0-2                          | 0        |
|                                      | 15      | 0         | 11.61                  | 11.61                  | 11.43                  |                              | 0        |
|                                      | 1       | 0         | 11.45                  | 11.66                  | 11.43                  |                              | 0-2      |
|                                      | 1       | 7         | 11.61                  | 11.51                  | 11.50                  | 0                            |          |
|                                      | 1       | 14        | 11.66                  | 11.35                  | 11.49                  | 0                            |          |
|                                      | 8       | 0         | 11.37                  | 11.59                  | 11.38                  | 0-3                          | 0        |
| 8                                    | 4       | 11.39     | 11.45                  | 11.39                  | 0                      |                              |          |
| 8                                    | 7       | 11.38     | 11.51                  | 11.39                  | 0                      |                              |          |
|                                      | 15      | 0         | 11.36                  | 11.46                  | 11.26                  |                              | 0        |

Table 8-136

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

| LTE Band 66 (AWS) |         |           |                        |                        |                        |                              |          |
|-------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| 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         | 11.39                  | 11.58                  | 11.48                  | 0                            | 0        |
|                   | 1       | 2         | 11.38                  | 11.57                  | 11.44                  |                              | 0        |
|                   | 1       | 5         | 11.43                  | 11.61                  | 11.53                  |                              | 0        |
|                   | 3       | 0         | 11.47                  | 11.64                  | 11.37                  |                              | 0        |
|                   | 3       | 2         | 11.47                  | 11.67                  | 11.38                  |                              | 0        |
|                   | 3       | 3         | 11.50                  | 11.64                  | 11.40                  |                              | 0        |
| 6                 | 0       | 11.47     | 11.64                  | 11.38                  | 0-1                    | 0                            |          |
| 16QAM             | 1       | 0         | 11.61                  | 11.74                  | 11.54                  | 0-1                          | 0        |
|                   | 1       | 2         | 11.52                  | 11.60                  | 11.44                  |                              | 0        |
|                   | 1       | 5         | 11.67                  | 11.56                  | 11.51                  |                              | 0        |
|                   | 3       | 0         | 11.66                  | 11.62                  | 11.42                  |                              | 0        |
|                   | 3       | 2         | 11.62                  | 11.69                  | 11.47                  |                              | 0        |
|                   | 3       | 3         | 11.66                  | 11.70                  | 11.50                  |                              | 0        |
| 6                 | 0       | 11.54     | 11.65                  | 11.44                  | 0-2                    | 0                            |          |
| 64QAM             | 1       | 0         | 11.60                  | 11.58                  | 11.37                  | 0-2                          | 0        |
|                   | 1       | 2         | 11.51                  | 11.59                  | 11.46                  |                              | 0        |
|                   | 1       | 5         | 11.55                  | 11.64                  | 11.42                  |                              | 0        |
|                   | 3       | 0         | 11.49                  | 11.58                  | 11.30                  |                              | 0        |
|                   | 3       | 2         | 11.41                  | 11.43                  | 11.25                  |                              | 0        |
|                   | 3       | 3         | 11.45                  | 11.61                  | 11.29                  |                              | 0        |
| 6                 | 0       | 11.37     | 11.45                  | 11.24                  | 0-3                    | 0                            |          |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 114 of 297                 |

**Table 8-137**  
**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         | 14.60                  | 14.57                  | 14.46                  | 0                            | 0        |
|                                       | 1       | 50        | 14.53                  | 14.55                  | 14.58                  |                              | 0        |
|                                       | 1       | 99        | 14.51                  | 14.40                  | 14.59                  |                              | 0        |
|                                       | 50      | 0         | 14.78                  | 14.95                  | 14.61                  | 0-1                          | 0        |
|                                       | 50      | 25        | 14.66                  | 14.86                  | 14.70                  |                              | 0        |
|                                       | 50      | 50        | 14.42                  | 14.63                  | 14.77                  |                              | 0        |
|                                       | 100     | 0         | 14.53                  | 14.59                  | 14.56                  |                              | 0        |
| 16QAM                                 | 1       | 0         | 14.71                  | 14.75                  | 14.44                  | 0-1                          | 0        |
|                                       | 1       | 50        | 14.63                  | 14.61                  | 14.73                  |                              | 0        |
|                                       | 1       | 99        | 14.44                  | 14.36                  | 14.78                  |                              | 0        |
|                                       | 50      | 0         | 14.59                  | 14.70                  | 14.32                  | 0-2                          | 0        |
|                                       | 50      | 25        | 14.61                  | 14.59                  | 14.46                  |                              | 0        |
|                                       | 50      | 50        | 14.39                  | 14.39                  | 14.54                  |                              | 0        |
|                                       | 100     | 0         | 14.52                  | 14.59                  | 14.46                  |                              | 0        |
| 64QAM                                 | 1       | 0         | 14.65                  | 15.05                  | 14.31                  | 0-2                          | 0        |
|                                       | 1       | 50        | 14.65                  | 14.94                  | 14.66                  |                              | 0        |
|                                       | 1       | 99        | 14.48                  | 14.62                  | 14.84                  |                              | 0        |
|                                       | 50      | 0         | 14.53                  | 14.71                  | 14.32                  | 0-3                          | 0        |
|                                       | 50      | 25        | 14.48                  | 14.61                  | 14.43                  |                              | 0        |
|                                       | 50      | 50        | 14.31                  | 14.42                  | 14.52                  |                              | 0        |
|                                       | 100     | 0         | 14.44                  | 14.62                  | 14.45                  |                              | 0        |

**Table 8-138**  
**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         | 15.03                  | 14.91                  | 14.73                  | 0                            | 0        |
|                                       | 1       | 36        | 14.83                  | 14.93                  | 14.92                  |                              | 0        |
|                                       | 1       | 74        | 14.57                  | 14.74                  | 14.94                  |                              | 0        |
|                                       | 36      | 0         | 15.04                  | 14.93                  | 14.84                  | 0-1                          | 0        |
|                                       | 36      | 18        | 14.94                  | 14.96                  | 14.96                  |                              | 0        |
|                                       | 36      | 37        | 14.78                  | 14.88                  | 14.97                  |                              | 0        |
|                                       | 75      | 0         | 14.94                  | 14.91                  | 14.93                  |                              | 0        |
| 16QAM                                 | 1       | 0         | 14.92                  | 14.69                  | 14.36                  | 0-1                          | 0        |
|                                       | 1       | 36        | 14.71                  | 14.74                  | 14.48                  |                              | 0        |
|                                       | 1       | 74        | 14.49                  | 14.57                  | 14.53                  |                              | 0        |
|                                       | 36      | 0         | 14.55                  | 14.40                  | 14.37                  | 0-2                          | 0        |
|                                       | 36      | 18        | 14.46                  | 14.41                  | 14.46                  |                              | 0        |
|                                       | 36      | 37        | 14.29                  | 14.33                  | 14.49                  |                              | 0        |
|                                       | 75      | 0         | 14.40                  | 14.41                  | 14.51                  |                              | 0        |
| 64QAM                                 | 1       | 0         | 14.97                  | 14.61                  | 14.28                  | 0-2                          | 0        |
|                                       | 1       | 36        | 14.70                  | 14.61                  | 14.50                  |                              | 0        |
|                                       | 1       | 74        | 14.55                  | 14.38                  | 14.48                  |                              | 0        |
|                                       | 36      | 0         | 14.57                  | 14.43                  | 14.33                  | 0-3                          | 0        |
|                                       | 36      | 18        | 14.44                  | 14.43                  | 14.44                  |                              | 0        |
|                                       | 36      | 37        | 14.30                  | 14.37                  | 14.48                  |                              | 0        |
|                                       | 75      | 0         | 14.40                  | 14.45                  | 14.48                  |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 115 of 297                        |

**Table 8-139**  
**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         | 14.96                  | 15.05                  | 14.50                  | 0                            | 0        |
|                                       | 1       | 25        | 14.90                  | 15.04                  | 14.66                  |                              | 0        |
|                                       | 1       | 49        | 14.78                  | 14.85                  | 14.66                  |                              | 0        |
|                                       | 25      | 0         | 14.97                  | 14.98                  | 14.63                  | 0-1                          | 0        |
|                                       | 25      | 12        | 14.96                  | 14.95                  | 14.75                  |                              | 0        |
|                                       | 25      | 25        | 14.91                  | 14.93                  | 14.77                  |                              | 0        |
| 16QAM                                 | 50      | 0         | 14.95                  | 14.96                  | 14.78                  | 0-1                          | 0        |
|                                       | 1       | 0         | 15.03                  | 15.05                  | 14.68                  |                              | 0        |
|                                       | 1       | 25        | 14.97                  | 15.05                  | 14.80                  |                              | 0        |
|                                       | 1       | 49        | 14.88                  | 14.84                  | 14.84                  | 0-2                          | 0        |
|                                       | 25      | 0         | 14.93                  | 14.89                  | 14.69                  |                              | 0        |
|                                       | 25      | 12        | 14.92                  | 14.90                  | 14.80                  |                              | 0        |
| 64QAM                                 | 25      | 25        | 14.86                  | 14.81                  | 14.78                  | 0-2                          | 0        |
|                                       | 50      | 0         | 14.92                  | 14.89                  | 14.79                  |                              | 0        |
|                                       | 1       | 0         | 14.98                  | 14.96                  | 14.78                  |                              | 0        |
|                                       | 1       | 25        | 14.98                  | 14.99                  | 15.05                  | 0-2                          | 0        |
|                                       | 1       | 49        | 14.69                  | 14.85                  | 15.02                  |                              | 0        |
|                                       | 25      | 0         | 14.89                  | 14.78                  | 14.73                  | 0-3                          | 0        |
|                                       | 25      | 12        | 14.78                  | 14.88                  | 14.80                  |                              | 0        |
|                                       | 25      | 25        | 14.67                  | 14.74                  | 14.83                  |                              | 0        |
|                                       | 50      | 0         | 14.73                  | 14.85                  | 14.93                  |                              | 0        |

**Table 8-140**  
**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         | 14.75                  | 14.84                  | 14.60                  | 0                            | 0        |
|                                      | 1       | 12        | 14.84                  | 14.88                  | 14.67                  |                              | 0        |
|                                      | 1       | 24        | 14.80                  | 14.83                  | 14.63                  |                              | 0        |
|                                      | 12      | 0         | 14.86                  | 14.95                  | 14.77                  | 0-1                          | 0        |
|                                      | 12      | 6         | 14.87                  | 14.92                  | 14.77                  |                              | 0        |
|                                      | 12      | 13        | 14.88                  | 14.94                  | 14.76                  |                              | 0        |
| 16QAM                                | 25      | 0         | 14.89                  | 14.96                  | 14.78                  | 0-1                          | 0        |
|                                      | 1       | 0         | 14.95                  | 15.05                  | 14.75                  |                              | 0        |
|                                      | 1       | 12        | 15.00                  | 15.04                  | 14.76                  |                              | 0        |
|                                      | 1       | 24        | 14.89                  | 14.80                  | 14.66                  | 0-2                          | 0        |
|                                      | 12      | 0         | 14.94                  | 14.93                  | 14.77                  |                              | 0        |
|                                      | 12      | 6         | 14.88                  | 14.94                  | 14.68                  |                              | 0        |
| 64QAM                                | 12      | 13        | 14.85                  | 14.81                  | 14.70                  | 0-2                          | 0        |
|                                      | 25      | 0         | 14.90                  | 14.92                  | 14.71                  |                              | 0        |
|                                      | 1       | 0         | 14.96                  | 14.82                  | 14.77                  |                              | 0-2      |
|                                      | 1       | 12        | 14.91                  | 14.85                  | 14.85                  | 0                            |          |
|                                      | 1       | 24        | 14.87                  | 14.77                  | 14.80                  | 0-3                          |          |
|                                      | 12      | 0         | 14.65                  | 14.49                  | 14.55                  |                              | 0        |
| 12                                   | 6       | 14.68     | 14.51                  | 14.57                  | 0                      |                              |          |
|                                      | 12      | 13        | 14.70                  | 14.55                  | 14.63                  |                              | 0        |
|                                      | 25      | 0         | 14.71                  | 14.56                  | 14.62                  |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 116 of 297                        |

**Table 8-141**  
**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         | 14.96                  | 14.88                  | 14.65                  | 0                            | 0        |
|                                      | 1       | 7         | 14.96                  | 14.84                  | 14.61                  |                              | 0        |
|                                      | 1       | 14        | 15.00                  | 14.80                  | 14.70                  |                              | 0        |
|                                      | 8       | 0         | 14.94                  | 14.92                  | 14.80                  | 0-1                          | 0        |
|                                      | 8       | 4         | 14.95                  | 14.91                  | 14.77                  |                              | 0        |
|                                      | 8       | 7         | 14.83                  | 14.92                  | 14.81                  |                              | 0        |
| 16QAM                                | 15      | 0         | 14.98                  | 14.93                  | 14.79                  | 0-1                          | 0        |
|                                      | 1       | 0         | 14.97                  | 14.99                  | 14.68                  |                              | 0        |
|                                      | 1       | 7         | 14.98                  | 14.91                  | 14.70                  |                              | 0        |
|                                      | 1       | 14        | 14.93                  | 14.80                  | 14.69                  | 0-2                          | 0        |
|                                      | 8       | 0         | 14.85                  | 14.97                  | 14.71                  |                              | 0        |
|                                      | 8       | 4         | 14.89                  | 14.97                  | 14.69                  |                              | 0        |
| 64QAM                                | 8       | 7         | 14.84                  | 14.85                  | 14.71                  | 0-2                          | 0        |
|                                      | 15      | 0         | 14.90                  | 14.93                  | 14.70                  |                              | 0        |
|                                      | 1       | 0         | 15.05                  | 14.80                  | 14.80                  |                              | 0-2      |
|                                      | 1       | 7         | 15.00                  | 14.72                  | 14.76                  | 0                            |          |
|                                      | 1       | 14        | 14.90                  | 14.96                  | 14.93                  | 0                            |          |
|                                      | 8       | 0         | 14.73                  | 14.56                  | 14.52                  | 0-3                          | 0        |
| 8                                    | 4       | 14.65     | 14.58                  | 14.52                  | 0                      |                              |          |
| 8                                    | 7       | 14.73     | 14.50                  | 14.56                  | 0                      |                              |          |
|                                      | 15      | 0         | 14.72                  | 14.56                  | 14.48                  |                              | 0        |

**Table 8-142**  
**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         | 14.97                  | 14.92                  | 14.69                  | 0                            | 0        |
|                                        | 1       | 2         | 14.94                  | 14.85                  | 14.74                  |                              | 0        |
|                                        | 1       | 5         | 14.86                  | 14.81                  | 14.75                  |                              | 0        |
|                                        | 3       | 0         | 15.04                  | 14.95                  | 14.83                  |                              | 0        |
|                                        | 3       | 2         | 15.00                  | 14.93                  | 14.83                  |                              | 0        |
|                                        | 3       | 3         | 14.87                  | 14.96                  | 14.81                  |                              | 0        |
|                                        | 6       | 0         | 15.02                  | 14.97                  | 14.86                  | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 15.02                  | 15.05                  | 14.81                  | 0-1                          | 0        |
|                                        | 1       | 2         | 15.03                  | 15.00                  | 14.69                  |                              | 0        |
|                                        | 1       | 5         | 14.88                  | 14.85                  | 14.92                  |                              | 0        |
|                                        | 3       | 0         | 15.03                  | 14.96                  | 14.73                  |                              | 0        |
|                                        | 3       | 2         | 14.95                  | 14.92                  | 14.76                  |                              | 0        |
|                                        | 3       | 3         | 14.84                  | 14.83                  | 14.76                  |                              | 0        |
|                                        | 6       | 0         | 14.96                  | 14.94                  | 14.77                  | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 14.94                  | 14.83                  | 14.80                  | 0-2                          | 0        |
|                                        | 1       | 2         | 14.91                  | 14.83                  | 14.86                  |                              | 0        |
|                                        | 1       | 5         | 14.88                  | 14.72                  | 14.97                  |                              | 0        |
|                                        | 3       | 0         | 14.73                  | 14.50                  | 14.75                  |                              | 0        |
|                                        | 3       | 2         | 14.64                  | 14.51                  | 14.59                  |                              | 0        |
|                                        | 3       | 3         | 14.54                  | 14.41                  | 14.58                  |                              | 0        |
|                                        | 6       | 0         | 14.61                  | 14.51                  | 14.66                  | 0-3                          | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 117 of 297                        |

**Table 8-143**  
**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         | 12.05                  | 11.74                  | 11.63                  | 0                            | 0        |
|                                       | 1       | 50        | 11.62                  | 11.66                  | 11.71                  |                              | 0        |
|                                       | 1       | 99        | 11.73                  | 11.44                  | 11.69                  |                              | 0        |
|                                       | 50      | 0         | 11.83                  | 11.86                  | 11.61                  | 0-1                          | 0        |
|                                       | 50      | 25        | 11.62                  | 11.82                  | 11.71                  |                              | 0        |
|                                       | 50      | 50        | 11.55                  | 11.71                  | 11.77                  |                              | 0        |
| 16QAM                                 | 100     | 0         | 11.58                  | 11.77                  | 11.78                  | 0-1                          | 0        |
|                                       | 1       | 0         | 12.00                  | 11.99                  | 11.75                  |                              | 0        |
|                                       | 1       | 50        | 11.80                  | 12.02                  | 11.87                  |                              | 0        |
|                                       | 1       | 99        | 11.92                  | 11.87                  | 11.85                  | 0-2                          | 0        |
|                                       | 50      | 0         | 11.70                  | 11.85                  | 11.54                  |                              | 0        |
|                                       | 50      | 25        | 11.47                  | 11.75                  | 11.59                  |                              | 0        |
| 64QAM                                 | 50      | 50        | 11.47                  | 11.63                  | 11.63                  | 0-2                          | 0        |
|                                       | 100     | 0         | 11.48                  | 11.72                  | 11.61                  |                              | 0        |
|                                       | 1       | 0         | 11.55                  | 11.53                  | 11.66                  |                              | 0-2      |
|                                       | 1       | 50        | 11.30                  | 11.56                  | 11.63                  | 0                            |          |
|                                       | 1       | 99        | 11.47                  | 11.34                  | 11.50                  | 0                            |          |
|                                       | 50      | 0         | 11.31                  | 11.59                  | 11.49                  | 0-3                          | 0        |
| 50                                    | 25      | 11.16     | 11.48                  | 11.54                  | 0                      |                              |          |
| 50                                    | 50      | 11.17     | 11.34                  | 11.51                  | 0                      |                              |          |
|                                       | 100     | 0         | 11.15                  | 11.48                  | 11.54                  |                              | 0        |

**Table 8-144**  
**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         | 11.53                  | 11.59                  | 11.42                  | 0                            | 0        |
|                                       | 1       | 36        | 11.36                  | 11.68                  | 11.62                  |                              | 0        |
|                                       | 1       | 74        | 11.32                  | 11.46                  | 11.51                  |                              | 0        |
|                                       | 36      | 0         | 11.65                  | 11.77                  | 11.59                  | 0-1                          | 0        |
|                                       | 36      | 18        | 11.44                  | 11.77                  | 11.71                  |                              | 0        |
|                                       | 36      | 37        | 11.41                  | 11.57                  | 11.65                  |                              | 0        |
| 16QAM                                 | 75      | 0         | 11.44                  | 11.68                  | 11.70                  | 0-1                          | 0        |
|                                       | 1       | 0         | 11.64                  | 11.75                  | 11.64                  |                              | 0        |
|                                       | 1       | 36        | 11.45                  | 11.83                  | 11.68                  |                              | 0        |
|                                       | 1       | 74        | 11.35                  | 11.60                  | 11.67                  | 0-2                          | 0        |
|                                       | 36      | 0         | 11.69                  | 11.81                  | 11.61                  |                              | 0        |
|                                       | 36      | 18        | 11.48                  | 11.80                  | 11.73                  |                              | 0        |
| 64QAM                                 | 36      | 37        | 11.48                  | 11.60                  | 11.65                  | 0-2                          | 0        |
|                                       | 75      | 0         | 11.45                  | 11.71                  | 11.71                  |                              | 0        |
|                                       | 1       | 0         | 11.56                  | 11.76                  | 11.59                  |                              | 0-2      |
|                                       | 1       | 36        | 11.34                  | 11.78                  | 11.71                  | 0                            |          |
|                                       | 1       | 74        | 11.23                  | 11.52                  | 11.61                  | 0-3                          |          |
|                                       | 36      | 0         | 11.46                  | 11.69                  | 11.52                  |                              | 0        |
| 36                                    | 18      | 11.22     | 11.68                  | 11.60                  | 0                      |                              |          |
| 64QAM                                 | 36      | 37        | 11.17                  | 11.42                  | 11.53                  | 0-3                          | 0        |
|                                       | 75      | 0         | 11.20                  | 11.56                  | 11.60                  |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 118 of 297                 |

**Table 8-145**  
**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         | 11.58                  | 11.73                  | 11.44                  | 0                            | 0        |
|                                       | 1       | 25        | 11.52                  | 11.62                  | 11.48                  |                              | 0        |
|                                       | 1       | 49        | 11.38                  | 11.46                  | 11.42                  |                              | 0        |
|                                       | 25      | 0         | 11.68                  | 11.78                  | 11.57                  | 0-1                          | 0        |
|                                       | 25      | 12        | 11.66                  | 11.77                  | 11.55                  |                              | 0        |
|                                       | 25      | 25        | 11.48                  | 11.56                  | 11.47                  |                              | 0        |
| 16QAM                                 | 50      | 0         | 11.58                  | 11.70                  | 11.55                  | 0-1                          | 0        |
|                                       | 1       | 0         | 11.63                  | 11.82                  | 11.59                  |                              | 0        |
|                                       | 1       | 25        | 11.69                  | 11.68                  | 11.56                  |                              | 0        |
|                                       | 1       | 49        | 11.49                  | 11.63                  | 11.51                  | 0-2                          | 0        |
|                                       | 25      | 0         | 11.70                  | 11.82                  | 11.58                  |                              | 0        |
|                                       | 25      | 12        | 11.70                  | 11.82                  | 11.58                  |                              | 0        |
| 64QAM                                 | 25      | 25        | 11.47                  | 11.57                  | 11.48                  | 0-2                          | 0        |
|                                       | 50      | 0         | 11.60                  | 11.71                  | 11.59                  |                              | 0        |
|                                       | 1       | 0         | 11.49                  | 11.83                  | 11.63                  |                              | 0-2      |
|                                       | 1       | 25        | 11.43                  | 11.82                  | 11.66                  | 0                            |          |
|                                       | 1       | 49        | 11.29                  | 11.69                  | 11.61                  | 0-3                          |          |
|                                       | 25      | 0         | 11.39                  | 11.67                  | 11.56                  |                              | 0        |
| 25                                    | 12      | 11.39     | 11.66                  | 11.54                  | 0                      |                              |          |
| 64QAM                                 | 25      | 25        | 11.19                  | 11.45                  | 11.45                  | 0-3                          | 0        |
|                                       | 50      | 0         | 11.29                  | 11.59                  | 11.56                  |                              | 0        |

**Table 8-146**  
**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         | 11.56                  | 11.66                  | 11.53                  | 0                            | 0        |
|                                      | 1       | 12        | 11.60                  | 11.54                  | 11.43                  |                              | 0        |
|                                      | 1       | 24        | 11.61                  | 11.42                  | 11.41                  |                              | 0        |
|                                      | 12      | 0         | 11.68                  | 11.79                  | 11.63                  | 0-1                          | 0        |
|                                      | 12      | 6         | 11.69                  | 11.75                  | 11.54                  |                              | 0        |
|                                      | 12      | 13        | 11.74                  | 11.58                  | 11.60                  |                              | 0        |
| 16QAM                                | 25      | 0         | 11.71                  | 11.68                  | 11.57                  | 0-1                          | 0        |
|                                      | 1       | 0         | 11.72                  | 11.87                  | 11.69                  |                              | 0        |
|                                      | 1       | 12        | 11.74                  | 11.69                  | 11.62                  |                              | 0        |
|                                      | 1       | 24        | 11.93                  | 11.56                  | 11.60                  | 0-2                          | 0        |
|                                      | 12      | 0         | 11.69                  | 11.81                  | 11.69                  |                              | 0        |
|                                      | 12      | 6         | 11.70                  | 11.74                  | 11.53                  |                              | 0        |
| 64QAM                                | 12      | 13        | 11.75                  | 11.60                  | 11.61                  | 0-2                          | 0        |
|                                      | 25      | 0         | 11.72                  | 11.70                  | 11.57                  |                              | 0        |
|                                      | 1       | 0         | 11.44                  | 11.73                  | 11.64                  |                              | 0-2      |
|                                      | 1       | 12        | 11.45                  | 11.61                  | 11.56                  | 0                            |          |
|                                      | 1       | 24        | 11.48                  | 11.49                  | 11.47                  | 0-3                          |          |
|                                      | 12      | 0         | 11.32                  | 11.62                  | 11.50                  |                              | 0        |
| 12                                   | 6       | 11.34     | 11.57                  | 11.43                  | 0                      |                              |          |
| 64QAM                                | 12      | 13        | 11.38                  | 11.42                  | 11.43                  | 0-3                          | 0        |
|                                      | 25      | 0         | 11.34                  | 11.48                  | 11.42                  |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 119 of 297                 |

Table 8-147

## 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         | 11.53                  | 11.66                  | 11.38                  | 0                            | 0        |
|                                      | 1       | 7         | 11.58                  | 11.57                  | 11.45                  |                              | 0        |
|                                      | 1       | 14        | 11.56                  | 11.42                  | 11.31                  |                              | 0        |
|                                      | 8       | 0         | 11.64                  | 11.74                  | 11.51                  | 0-1                          | 0        |
|                                      | 8       | 4         | 11.66                  | 11.62                  | 11.51                  |                              | 0        |
|                                      | 8       | 7         | 11.70                  | 11.64                  | 11.52                  |                              | 0        |
|                                      | 15      | 0         | 11.66                  | 11.64                  | 11.53                  |                              | 0        |
| 16QAM                                | 1       | 0         | 11.53                  | 11.83                  | 11.51                  | 0-1                          | 0        |
|                                      | 1       | 7         | 11.71                  | 11.69                  | 11.60                  |                              | 0        |
|                                      | 1       | 14        | 11.69                  | 11.47                  | 11.41                  |                              | 0        |
|                                      | 8       | 0         | 11.68                  | 11.79                  | 11.51                  | 0-2                          | 0        |
|                                      | 8       | 4         | 11.74                  | 11.67                  | 11.60                  |                              | 0        |
|                                      | 8       | 7         | 11.65                  | 11.74                  | 11.62                  |                              | 0        |
|                                      | 15      | 0         | 11.72                  | 11.66                  | 11.55                  |                              | 0        |
| 64QAM                                | 1       | 0         | 11.27                  | 11.73                  | 11.36                  | 0-2                          | 0        |
|                                      | 1       | 7         | 11.37                  | 11.63                  | 11.45                  |                              | 0        |
|                                      | 1       | 14        | 11.36                  | 11.47                  | 11.37                  |                              | 0        |
|                                      | 8       | 0         | 11.24                  | 11.55                  | 11.32                  | 0-3                          | 0        |
|                                      | 8       | 4         | 11.25                  | 11.46                  | 11.33                  |                              | 0        |
|                                      | 8       | 7         | 11.26                  | 11.46                  | 11.33                  |                              | 0        |
|                                      | 15      | 0         | 11.26                  | 11.47                  | 11.33                  |                              | 0        |

Table 8-148

## 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         | 11.64                  | 11.76                  | 11.54                  | 0                            | 0        |
|                                        | 1       | 2         | 11.61                  | 11.74                  | 11.50                  |                              | 0        |
|                                        | 1       | 5         | 11.67                  | 11.67                  | 11.46                  |                              | 0        |
|                                        | 3       | 0         | 11.56                  | 11.68                  | 11.45                  |                              | 0        |
|                                        | 3       | 2         | 11.56                  | 11.60                  | 11.46                  |                              | 0        |
|                                        | 3       | 3         | 11.59                  | 11.60                  | 11.37                  |                              | 0        |
|                                        | 6       | 0         | 11.55                  | 11.61                  | 11.45                  | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 11.73                  | 11.94                  | 11.68                  | 0-1                          | 0        |
|                                        | 1       | 2         | 11.75                  | 11.86                  | 11.67                  |                              | 0        |
|                                        | 1       | 5         | 11.80                  | 11.76                  | 11.56                  |                              | 0        |
|                                        | 3       | 0         | 11.60                  | 11.74                  | 11.52                  |                              | 0        |
|                                        | 3       | 2         | 11.69                  | 11.65                  | 11.49                  |                              | 0        |
|                                        | 3       | 3         | 11.71                  | 11.74                  | 11.48                  |                              | 0        |
|                                        | 6       | 0         | 11.61                  | 11.63                  | 11.50                  | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 11.41                  | 11.65                  | 11.67                  | 0-2                          | 0        |
|                                        | 1       | 2         | 11.37                  | 11.64                  | 11.65                  |                              | 0        |
|                                        | 1       | 5         | 11.45                  | 11.53                  | 11.52                  |                              | 0        |
|                                        | 3       | 0         | 11.33                  | 11.56                  | 11.51                  |                              | 0        |
|                                        | 3       | 2         | 11.33                  | 11.47                  | 11.52                  |                              | 0        |
|                                        | 3       | 3         | 11.33                  | 11.47                  | 11.45                  |                              | 0        |
|                                        | 6       | 0         | 11.28                  | 11.44                  | 11.48                  | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 120 of 297                 |

**Table 8-149**  
**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         | 14.57                  | 14.75                  | 14.50                  | 0                            | 0        |   |
|                                       | 1       | 50        | 14.50                  | 14.56                  | 14.49                  |                              | 0        |   |
|                                       | 1       | 99        | 14.73                  | 14.61                  | 14.49                  |                              | 0        |   |
|                                       | 50      | 0         | 14.45                  | 14.60                  | 14.67                  | 0-1                          | 0        |   |
|                                       | 50      | 25        | 14.47                  | 14.56                  | 14.54                  |                              | 0        |   |
|                                       | 50      | 50        | 14.64                  | 14.55                  | 14.50                  |                              | 0        |   |
| 16QAM                                 | 100     | 0         | 14.48                  | 14.56                  | 14.55                  | 0-1                          | 0        |   |
|                                       | 1       | 0         | 14.55                  | 14.62                  | 14.62                  |                              | 0-1      | 0 |
|                                       | 1       | 50        | 14.46                  | 14.45                  | 14.50                  |                              |          | 0 |
|                                       | 1       | 99        | 14.66                  | 14.51                  | 14.52                  | 0-2                          |          | 0 |
|                                       | 50      | 0         | 14.22                  | 14.36                  | 14.45                  |                              | 0        |   |
|                                       | 50      | 25        | 14.24                  | 14.32                  | 14.33                  |                              | 0        |   |
| 64QAM                                 | 50      | 50        | 14.37                  | 14.33                  | 14.28                  | 0-2                          | 0        |   |
|                                       | 100     | 0         | 14.24                  | 14.32                  | 14.32                  |                              | 0        |   |
|                                       | 1       | 0         | 14.47                  | 14.68                  | 14.66                  |                              | 0-2      | 0 |
|                                       | 1       | 50        | 14.40                  | 14.53                  | 14.55                  | 0                            |          |   |
|                                       | 1       | 99        | 14.60                  | 14.60                  | 14.52                  | 0-3                          |          | 0 |
|                                       | 50      | 0         | 14.22                  | 14.40                  | 14.48                  |                              | 0        |   |
| 50                                    | 25      | 14.24     | 14.32                  | 14.34                  | 0                      |                              |          |   |
|                                       | 50      | 50        | 14.35                  | 14.34                  | 14.30                  |                              | 0        |   |
|                                       | 100     | 0         | 14.26                  | 14.35                  | 14.34                  |                              |          |   |

**Table 8-150**  
**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         | 14.54                  | 14.42                  | 14.46                  | 0                            | 0        |
|                                       | 1       | 36        | 14.49                  | 14.26                  | 14.31                  |                              | 0        |
|                                       | 1       | 74        | 14.61                  | 14.33                  | 14.28                  |                              | 0        |
|                                       | 36      | 0         | 14.48                  | 14.52                  | 14.54                  | 0-1                          | 0        |
|                                       | 36      | 18        | 14.50                  | 14.41                  | 14.48                  |                              | 0        |
|                                       | 36      | 37        | 14.55                  | 14.39                  | 14.38                  |                              | 0        |
| 16QAM                                 | 75      | 0         | 14.53                  | 14.39                  | 14.44                  | 0-1                          | 0        |
|                                       | 1       | 0         | 14.42                  | 14.53                  | 14.64                  |                              | 0        |
|                                       | 1       | 36        | 14.45                  | 14.46                  | 14.69                  |                              | 0        |
|                                       | 1       | 74        | 14.40                  | 14.51                  | 14.58                  | 0-2                          | 0        |
|                                       | 36      | 0         | 14.30                  | 14.33                  | 14.39                  |                              | 0        |
|                                       | 36      | 18        | 14.31                  | 14.24                  | 14.33                  |                              | 0        |
| 64QAM                                 | 36      | 37        | 14.33                  | 14.24                  | 14.27                  | 0-2                          | 0        |
|                                       | 75      | 0         | 14.34                  | 14.24                  | 14.30                  |                              | 0        |
|                                       | 1       | 0         | 14.46                  | 14.66                  | 14.30                  |                              | 0-2      |
|                                       | 1       | 36        | 14.61                  | 14.62                  | 14.35                  | 0                            |          |
|                                       | 1       | 74        | 14.52                  | 14.43                  | 14.28                  | 0-3                          |          |
|                                       | 36      | 0         | 14.38                  | 14.37                  | 14.20                  |                              | 0        |
| 36                                    | 18      | 14.40     | 14.34                  | 14.23                  | 0                      |                              |          |
|                                       | 36      | 37        | 14.49                  | 14.26                  | 14.08                  | 0-3                          | 0        |
|                                       | 75      | 0         | 14.43                  | 14.29                  | 14.20                  |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 121 of 297                 |

**Table 8-151**  
**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         | 14.44                  | 14.45                  | 14.26                  | 0                            | 0        |
|                                       | 1       | 25        | 14.44                  | 14.33                  | 14.22                  |                              | 0        |
|                                       | 1       | 49        | 14.47                  | 14.09                  | 14.02                  |                              | 0        |
|                                       | 25      | 0         | 14.31                  | 14.42                  | 14.27                  | 0-1                          | 0        |
|                                       | 25      | 12        | 14.39                  | 14.40                  | 14.23                  |                              | 0        |
|                                       | 25      | 25        | 14.43                  | 14.31                  | 14.17                  |                              | 0        |
| 16QAM                                 | 50      | 0         | 14.37                  | 14.37                  | 14.20                  | 0-1                          | 0        |
|                                       | 1       | 0         | 14.59                  | 14.72                  | 14.58                  |                              | 0        |
|                                       | 1       | 25        | 14.51                  | 14.66                  | 14.70                  |                              | 0        |
|                                       | 1       | 49        | 14.53                  | 14.44                  | 14.33                  | 0-2                          | 0        |
|                                       | 25      | 0         | 14.34                  | 14.45                  | 14.28                  |                              | 0        |
|                                       | 25      | 12        | 14.42                  | 14.43                  | 14.24                  |                              | 0        |
| 64QAM                                 | 25      | 25        | 14.42                  | 14.35                  | 14.17                  | 0-2                          | 0        |
|                                       | 50      | 0         | 14.37                  | 14.39                  | 14.19                  |                              | 0        |
|                                       | 1       | 0         | 14.65                  | 14.66                  | 14.54                  |                              | 0-2      |
|                                       | 1       | 25        | 14.74                  | 14.50                  | 14.39                  | 0                            |          |
|                                       | 1       | 49        | 14.75                  | 14.41                  | 14.15                  | 0-3                          |          |
|                                       | 25      | 0         | 14.31                  | 14.43                  | 14.26                  |                              | 0        |
| 25                                    | 12      | 14.40     | 14.43                  | 14.22                  | 0                      |                              |          |
|                                       | 25      | 25        | 14.41                  | 14.33                  | 14.19                  | 0-3                          | 0        |
|                                       | 50      | 0         | 14.34                  | 14.41                  | 14.21                  |                              | 0        |

**Table 8-152**  
**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         | 14.42                  | 14.36                  | 14.34                  | 0                            | 0        |
|                                      | 1       | 12        | 14.23                  | 14.26                  | 14.19                  |                              | 0        |
|                                      | 1       | 24        | 14.43                  | 14.23                  | 14.08                  |                              | 0        |
|                                      | 12      | 0         | 14.37                  | 14.39                  | 14.21                  | 0-1                          | 0        |
|                                      | 12      | 6         | 14.25                  | 14.32                  | 14.18                  |                              | 0        |
|                                      | 12      | 13        | 14.34                  | 14.29                  | 14.08                  |                              | 0        |
| 16QAM                                | 25      | 0         | 14.26                  | 14.35                  | 14.18                  | 0-1                          | 0        |
|                                      | 1       | 0         | 14.71                  | 14.57                  | 14.67                  |                              | 0        |
|                                      | 1       | 12        | 14.53                  | 14.72                  | 14.71                  |                              | 0        |
|                                      | 1       | 24        | 14.67                  | 14.51                  | 14.54                  | 0-2                          | 0        |
|                                      | 12      | 0         | 14.39                  | 14.38                  | 14.22                  |                              | 0        |
|                                      | 12      | 6         | 14.28                  | 14.32                  | 14.20                  |                              | 0        |
| 64QAM                                | 12      | 13        | 14.36                  | 14.25                  | 14.06                  | 0-2                          | 0        |
|                                      | 25      | 0         | 14.27                  | 14.36                  | 14.21                  |                              | 0        |
|                                      | 1       | 0         | 14.71                  | 14.58                  | 14.33                  |                              | 0-2      |
|                                      | 1       | 12        | 14.51                  | 14.43                  | 14.40                  | 0                            |          |
|                                      | 1       | 24        | 14.61                  | 14.62                  | 14.32                  | 0-3                          |          |
|                                      | 12      | 0         | 14.43                  | 14.42                  | 14.20                  |                              | 0        |
| 12                                   | 6       | 14.26     | 14.31                  | 14.22                  | 0                      |                              |          |
| 64QAM                                | 12      | 13        | 14.36                  | 14.33                  | 14.07                  | 0-3                          | 0        |
|                                      | 25      | 0         | 14.34                  | 14.35                  | 14.19                  |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 122 of 297                 |

**Table 8-153**  
**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         | 14.28                  | 14.35                  | 14.22                  | 0                            | 0        |
|                                      | 1       | 7         | 14.15                  | 14.27                  | 14.09                  |                              | 0        |
|                                      | 1       | 14        | 14.02                  | 14.27                  | 14.06                  |                              | 0        |
|                                      | 8       | 0         | 14.27                  | 14.31                  | 14.17                  | 0-1                          | 0        |
|                                      | 8       | 4         | 14.25                  | 14.31                  | 14.07                  |                              | 0        |
|                                      | 8       | 7         | 14.16                  | 14.36                  | 14.03                  |                              | 0        |
| 16QAM                                | 15      | 0         | 14.26                  | 14.34                  | 14.11                  | 0                            |          |
|                                      | 1       | 0         | 14.73                  | 14.57                  | 14.48                  | 0-1                          | 0        |
|                                      | 1       | 7         | 14.71                  | 14.72                  | 14.29                  |                              | 0        |
|                                      | 1       | 14        | 14.55                  | 14.75                  | 14.26                  |                              | 0-2      |
|                                      | 8       | 0         | 14.30                  | 14.29                  | 14.21                  | 0                            |          |
|                                      | 8       | 4         | 14.27                  | 14.26                  | 14.05                  | 0                            |          |
| 64QAM                                | 8       | 7         | 14.18                  | 14.37                  | 14.09                  | 0-2                          | 0        |
|                                      | 15      | 0         | 14.31                  | 14.28                  | 14.09                  |                              | 0        |
|                                      | 1       | 0         | 14.74                  | 14.57                  | 14.60                  |                              | 0-2      |
|                                      | 1       | 7         | 14.69                  | 14.71                  | 14.44                  | 0                            |          |
|                                      | 1       | 14        | 14.63                  | 14.61                  | 14.37                  | 0                            |          |
|                                      | 64QAM   | 8         | 0                      | 14.31                  | 14.31                  | 14.20                        | 0-3      |
| 8                                    |         | 4         | 14.28                  | 14.31                  | 14.03                  | 0                            |          |
| 8                                    |         | 7         | 14.21                  | 14.31                  | 14.07                  | 0                            |          |
| 15                                   |         | 0         | 14.26                  | 14.33                  | 14.15                  | 0                            |          |

**Table 8-154**  
**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         | 14.32                  | 14.15                  | 13.91                  | 0                            | 0        |
|                                        | 1       | 2         | 14.30                  | 14.16                  | 13.95                  |                              | 0        |
|                                        | 1       | 5         | 14.20                  | 14.23                  | 13.91                  |                              | 0        |
|                                        | 3       | 0         | 14.26                  | 14.18                  | 13.96                  |                              | 0        |
|                                        | 3       | 2         | 14.24                  | 14.15                  | 13.93                  |                              | 0        |
|                                        | 3       | 3         | 14.25                  | 14.18                  | 13.94                  |                              | 0        |
|                                        | 6       | 0         | 14.24                  | 14.19                  | 13.97                  | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 14.73                  | 14.65                  | 14.26                  | 0-1                          | 0        |
|                                        | 1       | 2         | 14.57                  | 14.50                  | 14.26                  |                              | 0        |
|                                        | 1       | 5         | 14.70                  | 14.62                  | 14.37                  |                              | 0        |
|                                        | 3       | 0         | 14.32                  | 14.19                  | 14.04                  |                              | 0        |
|                                        | 3       | 2         | 14.24                  | 14.22                  | 13.94                  |                              | 0        |
|                                        | 3       | 3         | 14.26                  | 14.20                  | 14.00                  |                              | 0        |
|                                        | 6       | 0         | 14.29                  | 14.27                  | 13.98                  | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 14.63                  | 14.32                  | 14.14                  | 0-2                          | 0        |
|                                        | 1       | 2         | 14.49                  | 14.41                  | 14.13                  |                              | 0        |
|                                        | 1       | 5         | 14.45                  | 14.42                  | 14.09                  |                              | 0        |
|                                        | 3       | 0         | 14.29                  | 14.25                  | 13.95                  |                              | 0        |
|                                        | 3       | 2         | 14.28                  | 14.18                  | 13.97                  |                              | 0        |
|                                        | 3       | 3         | 14.28                  | 14.26                  | 13.98                  |                              | 0        |
|                                        | 6       | 0         | 14.32                  | 14.25                  | 13.98                  | 0-3                          | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 123 of 297                        |

**Table 8-155**  
**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         | 11.31                  | 11.41                  | 11.35                  | 0                            | 0        |
|                                       | 1       | 50        | 11.13                  | 11.23                  | 11.33                  |                              | 0        |
|                                       | 1       | 99        | 11.71                  | 11.22                  | 11.28                  |                              | 0        |
|                                       | 50      | 0         | 11.41                  | 11.39                  | 11.29                  | 0-1                          | 0        |
|                                       | 50      | 25        | 11.34                  | 11.36                  | 11.30                  |                              | 0        |
|                                       | 50      | 50        | 11.44                  | 11.34                  | 11.24                  |                              | 0        |
| 16QAM                                 | 100     | 0         | 11.37                  | 11.33                  | 11.28                  | 0-1                          | 0        |
|                                       | 1       | 0         | 11.20                  | 11.56                  | 11.76                  |                              | 0        |
|                                       | 1       | 50        | 11.10                  | 11.32                  | 11.77                  |                              | 0        |
|                                       | 1       | 99        | 11.45                  | 11.57                  | 11.60                  | 0-2                          | 0        |
|                                       | 50      | 0         | 10.95                  | 11.35                  | 11.49                  |                              | 0        |
|                                       | 50      | 25        | 11.14                  | 11.27                  | 11.45                  |                              | 0        |
| 64QAM                                 | 50      | 50        | 11.27                  | 11.34                  | 11.28                  | 0-2                          | 0        |
|                                       | 100     | 0         | 11.18                  | 11.28                  | 11.34                  |                              | 0        |
|                                       | 1       | 0         | 11.25                  | 11.73                  | 11.48                  |                              | 0-2      |
|                                       | 1       | 50        | 11.20                  | 11.50                  | 11.53                  | 0                            |          |
|                                       | 1       | 99        | 11.45                  | 11.57                  | 11.56                  | 0-3                          |          |
|                                       | 50      | 0         | 11.10                  | 11.27                  | 11.34                  |                              | 0        |
| 50                                    | 25      | 11.15     | 11.18                  | 11.36                  | 0                      |                              |          |
| 64QAM                                 | 50      | 50        | 11.28                  | 11.17                  | 11.28                  | 0-3                          | 0        |
|                                       | 100     | 0         | 11.17                  | 11.15                  | 11.30                  |                              | 0        |

**Table 8-156**  
**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         | 11.25                  | 11.24                  | 11.45                  | 0                            | 0        |
|                                       | 1       | 36        | 11.06                  | 11.19                  | 11.26                  |                              | 0        |
|                                       | 1       | 74        | 11.37                  | 11.25                  | 11.19                  |                              | 0        |
|                                       | 36      | 0         | 11.05                  | 11.37                  | 11.48                  | 0-1                          | 0        |
|                                       | 36      | 18        | 11.00                  | 11.31                  | 11.31                  |                              | 0        |
|                                       | 36      | 37        | 11.12                  | 11.33                  | 11.26                  |                              | 0        |
|                                       | 75      | 0         | 11.01                  | 11.30                  | 11.31                  |                              | 0        |
| 16QAM                                 | 1       | 0         | 11.45                  | 11.63                  | 11.59                  | 0-1                          | 0        |
|                                       | 1       | 36        | 11.01                  | 11.43                  | 11.49                  |                              | 0        |
|                                       | 1       | 74        | 11.48                  | 11.44                  | 11.21                  |                              | 0        |
|                                       | 36      | 0         | 11.04                  | 11.44                  | 11.52                  | 0-2                          | 0        |
|                                       | 36      | 18        | 11.03                  | 11.35                  | 11.42                  |                              | 0        |
|                                       | 36      | 37        | 11.14                  | 11.35                  | 11.30                  |                              | 0        |
|                                       | 75      | 0         | 11.03                  | 11.30                  | 11.33                  |                              | 0        |
| 64QAM                                 | 1       | 0         | 11.24                  | 11.51                  | 11.74                  | 0-2                          | 0        |
|                                       | 1       | 36        | 10.99                  | 11.43                  | 11.80                  |                              | 0        |
|                                       | 1       | 74        | 11.43                  | 11.41                  | 11.67                  |                              | 0        |
|                                       | 36      | 0         | 11.00                  | 11.45                  | 11.55                  | 0-3                          | 0        |
|                                       | 36      | 18        | 11.00                  | 11.37                  | 11.38                  |                              | 0        |
|                                       | 36      | 37        | 11.13                  | 11.37                  | 11.33                  |                              | 0        |
|                                       | 75      | 0         | 11.03                  | 11.34                  | 11.34                  |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 124 of 297                 |

Table 8-157

## 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         | 11.12                  | 11.13                  | 11.36                  | 0                            | 0        |
|                                       | 1       | 25        | 11.03                  | 10.93                  | 11.17                  |                              | 0        |
|                                       | 1       | 49        | 11.26                  | 10.95                  | 11.26                  |                              | 0        |
|                                       | 25      | 0         | 11.08                  | 11.19                  | 11.26                  | 0-1                          | 0        |
|                                       | 25      | 12        | 11.07                  | 11.13                  | 11.23                  |                              | 0        |
|                                       | 25      | 25        | 11.14                  | 11.17                  | 11.35                  |                              | 0        |
| 16QAM                                 | 50      | 0         | 11.14                  | 11.15                  | 11.25                  | 0                            |          |
|                                       | 1       | 0         | 11.40                  | 11.39                  | 11.52                  | 0-1                          | 0        |
|                                       | 1       | 25        | 11.27                  | 11.25                  | 11.35                  |                              | 0        |
|                                       | 1       | 49        | 11.39                  | 11.32                  | 11.43                  |                              | 0        |
|                                       | 25      | 0         | 11.29                  | 11.25                  | 11.28                  | 0-2                          | 0        |
|                                       | 25      | 12        | 11.13                  | 11.15                  | 11.28                  |                              | 0        |
| 25                                    | 25      | 11.17     | 11.18                  | 11.46                  | 0                      |                              |          |
| 64QAM                                 | 50      | 0         | 11.16                  | 11.18                  | 11.26                  | 0                            |          |
|                                       | 1       | 0         | 11.22                  | 11.38                  | 11.51                  | 0-2                          | 0        |
|                                       | 1       | 25        | 11.27                  | 11.18                  | 11.80                  |                              | 0        |
|                                       | 1       | 49        | 11.35                  | 11.14                  | 11.47                  |                              | 0        |
|                                       | 25      | 0         | 11.24                  | 11.20                  | 11.27                  | 0-3                          | 0        |
|                                       | 25      | 12        | 11.15                  | 11.09                  | 11.30                  |                              | 0        |
| 25                                    | 25      | 11.16     | 11.10                  | 11.45                  | 0                      |                              |          |
|                                       | 50      | 0         | 11.14                  | 11.19                  | 11.31                  | 0                            |          |

Table 8-158

## 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         | 11.11                  | 11.43                  | 11.20                  | 0                            | 0        |
|                                      | 1       | 12        | 11.07                  | 11.27                  | 11.26                  |                              | 0        |
|                                      | 1       | 24        | 11.30                  | 11.31                  | 11.30                  |                              | 0        |
|                                      | 12      | 0         | 11.15                  | 11.22                  | 11.22                  | 0-1                          | 0        |
|                                      | 12      | 6         | 11.11                  | 11.22                  | 11.34                  |                              | 0        |
|                                      | 12      | 13        | 11.14                  | 11.26                  | 11.31                  |                              | 0        |
| 16QAM                                | 25      | 0         | 11.07                  | 11.28                  | 11.31                  | 0-1                          | 0        |
|                                      | 1       | 0         | 11.14                  | 11.53                  | 11.45                  |                              | 0        |
|                                      | 1       | 12        | 11.17                  | 11.42                  | 11.38                  |                              | 0        |
|                                      | 1       | 24        | 11.03                  | 11.52                  | 11.41                  | 0-2                          | 0        |
|                                      | 12      | 0         | 11.12                  | 11.31                  | 11.25                  |                              | 0        |
|                                      | 12      | 6         | 11.07                  | 11.26                  | 11.33                  |                              | 0        |
| 64QAM                                | 12      | 13        | 10.94                  | 11.25                  | 11.32                  | 0-2                          | 0        |
|                                      | 25      | 0         | 11.12                  | 11.29                  | 11.33                  |                              | 0        |
|                                      | 1       | 0         | 11.14                  | 11.68                  | 11.47                  |                              | 0-2      |
|                                      | 1       | 12        | 11.13                  | 11.51                  | 11.60                  | 0                            |          |
|                                      | 1       | 24        | 11.22                  | 11.49                  | 11.61                  | 0-3                          |          |
|                                      | 12      | 0         | 11.07                  | 11.28                  | 11.25                  |                              | 0        |
| 12                                   | 6       | 11.07     | 11.29                  | 11.35                  | 0                      |                              |          |
| 64QAM                                | 12      | 13        | 10.95                  | 11.29                  | 11.37                  | 0-3                          | 0        |
|                                      | 25      | 0         | 11.06                  | 11.31                  | 11.34                  |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 125 of 297                 |

**Table 8-159**  
**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         | 11.07                  | 11.01                  | 11.12                  | 0                            | 0        |
|                                      | 1       | 7         | 11.19                  | 11.03                  | 11.18                  |                              | 0        |
|                                      | 1       | 14        | 11.30                  | 11.00                  | 11.08                  |                              | 0        |
|                                      | 8       | 0         | 11.14                  | 11.09                  | 11.27                  | 0-1                          | 0        |
|                                      | 8       | 4         | 11.11                  | 11.10                  | 11.24                  |                              | 0        |
|                                      | 8       | 7         | 11.09                  | 11.10                  | 11.22                  |                              | 0        |
| 16QAM                                | 15      | 0         | 11.17                  | 11.13                  | 11.23                  | 0                            |          |
|                                      | 1       | 0         | 11.22                  | 11.20                  | 11.15                  | 0-1                          | 0        |
|                                      | 1       | 7         | 11.31                  | 11.31                  | 11.24                  |                              | 0        |
|                                      | 1       | 14        | 11.15                  | 11.37                  | 11.16                  |                              | 0-2      |
|                                      | 8       | 0         | 11.21                  | 11.18                  | 11.28                  | 0                            |          |
|                                      | 8       | 4         | 11.16                  | 11.12                  | 11.29                  | 0                            |          |
| 64QAM                                | 8       | 7         | 11.12                  | 11.18                  | 11.28                  | 0-2                          | 0        |
|                                      | 15      | 0         | 11.17                  | 11.14                  | 11.24                  |                              | 0        |
|                                      | 1       | 0         | 11.20                  | 11.35                  | 11.53                  | 0-2                          | 0        |
|                                      | 1       | 7         | 11.17                  | 11.42                  | 11.57                  |                              | 0        |
|                                      | 1       | 14        | 11.11                  | 11.15                  | 11.40                  |                              | 0        |
|                                      | 8       | 0         | 11.21                  | 11.17                  | 11.32                  | 0-3                          | 0        |
|                                      | 8       | 4         | 11.15                  | 11.14                  | 11.31                  |                              | 0        |
|                                      | 8       | 7         | 11.16                  | 11.15                  | 11.23                  |                              | 0        |
|                                      | 15      | 0         | 11.17                  | 11.19                  | 11.25                  |                              | 0        |

**Table 8-160**  
**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         | 11.07                  | 11.17                  | 11.41                  | 0                            | 0        |
|                                        | 1       | 2         | 11.08                  | 11.15                  | 11.35                  |                              | 0        |
|                                        | 1       | 5         | 11.29                  | 11.14                  | 11.35                  |                              | 0        |
|                                        | 3       | 0         | 11.14                  | 11.25                  | 11.25                  |                              | 0        |
|                                        | 3       | 2         | 11.16                  | 11.24                  | 11.25                  |                              | 0        |
|                                        | 3       | 3         | 11.14                  | 11.24                  | 11.24                  |                              | 0        |
|                                        | 6       | 0         | 11.16                  | 11.22                  | 11.25                  |                              | 0-1      |
| 16QAM                                  | 1       | 0         | 11.20                  | 11.28                  | 11.61                  | 0-1                          | 0        |
|                                        | 1       | 2         | 11.20                  | 11.44                  | 11.44                  |                              | 0        |
|                                        | 1       | 5         | 11.23                  | 11.31                  | 11.41                  |                              | 0        |
|                                        | 3       | 0         | 11.18                  | 11.35                  | 11.35                  |                              | 0        |
|                                        | 3       | 2         | 11.22                  | 11.34                  | 11.27                  |                              | 0        |
|                                        | 3       | 3         | 11.26                  | 11.26                  | 11.31                  |                              | 0        |
|                                        | 6       | 0         | 11.22                  | 11.26                  | 11.22                  |                              | 0-2      |
| 64QAM                                  | 1       | 0         | 11.25                  | 11.34                  | 11.44                  | 0-2                          | 0        |
|                                        | 1       | 2         | 11.19                  | 11.49                  | 11.39                  |                              | 0        |
|                                        | 1       | 5         | 11.21                  | 11.55                  | 11.61                  |                              | 0        |
|                                        | 3       | 0         | 11.24                  | 11.29                  | 11.42                  |                              | 0        |
|                                        | 3       | 2         | 11.31                  | 11.25                  | 11.29                  |                              | 0        |
|                                        | 3       | 3         | 11.28                  | 11.25                  | 11.37                  |                              | 0        |
|                                        | 6       | 0         | 11.20                  | 11.22                  | 11.27                  |                              | 0-3      |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 126 of 297                 |

**Table 8-161**  
**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         | 12.85                  | 13.07                  | 13.18                  | 0                            | 0        |
|                                       | 1       | 50        | 12.83                  | 12.96                  | 12.69                  |                              | 0        |
|                                       | 1       | 99        | 13.07                  | 13.04                  | 12.88                  |                              | 0        |
|                                       | 50      | 0         | 12.88                  | 12.98                  | 12.94                  | 0-1                          | 0        |
|                                       | 50      | 25        | 12.86                  | 13.02                  | 12.85                  |                              | 0        |
|                                       | 50      | 50        | 12.81                  | 13.13                  | 12.93                  |                              | 0        |
| 16QAM                                 | 100     | 0         | 12.87                  | 13.00                  | 12.85                  | 0-1                          | 0        |
|                                       | 1       | 0         | 12.99                  | 13.46                  | 13.47                  |                              | 0        |
|                                       | 1       | 50        | 13.01                  | 13.31                  | 13.04                  |                              | 0        |
|                                       | 1       | 99        | 13.21                  | 13.43                  | 13.24                  | 0-2                          | 0        |
|                                       | 50      | 0         | 12.89                  | 13.00                  | 12.92                  |                              | 0        |
|                                       | 50      | 25        | 12.91                  | 13.03                  | 12.86                  |                              | 0        |
| 64QAM                                 | 50      | 50        | 12.84                  | 13.14                  | 12.94                  | 0-2                          | 0        |
|                                       | 100     | 0         | 12.90                  | 13.01                  | 12.85                  |                              | 0        |
|                                       | 1       | 0         | 12.96                  | 13.18                  | 13.50                  |                              | 0-2      |
|                                       | 1       | 50        | 12.89                  | 13.04                  | 13.08                  | 0                            |          |
|                                       | 1       | 99        | 13.14                  | 13.14                  | 13.30                  | 0                            |          |
|                                       | 50      | 0         | 12.88                  | 12.97                  | 12.94                  | 0-3                          | 0        |
| 50                                    | 25      | 12.88     | 13.01                  | 12.86                  | 0                      |                              |          |
| 50                                    | 50      | 12.84     | 13.11                  | 12.93                  | 0                      |                              |          |
|                                       | 100     | 0         | 12.92                  | 13.02                  | 12.86                  |                              | 0        |

**Table 8-162**  
**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         | 13.04                  | 12.84                  | 12.84                  | 0                            | 0        |
|                                       | 1       | 36        | 13.10                  | 13.02                  | 12.89                  |                              | 0        |
|                                       | 1       | 74        | 12.98                  | 13.08                  | 12.89                  |                              | 0        |
|                                       | 36      | 0         | 13.06                  | 12.94                  | 12.90                  | 0-1                          | 0        |
|                                       | 36      | 18        | 13.06                  | 13.11                  | 12.98                  |                              | 0        |
|                                       | 36      | 37        | 12.94                  | 13.18                  | 12.98                  |                              | 0        |
|                                       | 75      | 0         | 13.01                  | 13.04                  | 12.94                  | 0                            |          |
| 16QAM                                 | 1       | 0         | 13.19                  | 12.89                  | 13.00                  | 0-1                          | 0        |
|                                       | 1       | 36        | 13.14                  | 13.33                  | 12.96                  |                              | 0        |
|                                       | 1       | 74        | 13.15                  | 13.25                  | 13.09                  |                              | 0        |
|                                       | 36      | 0         | 13.05                  | 12.95                  | 12.93                  | 0-2                          | 0        |
|                                       | 36      | 18        | 12.99                  | 13.11                  | 13.01                  |                              | 0        |
|                                       | 36      | 37        | 12.94                  | 13.17                  | 13.01                  |                              | 0        |
|                                       | 75      | 0         | 12.99                  | 13.06                  | 12.94                  | 0                            |          |
| 64QAM                                 | 1       | 0         | 13.11                  | 13.14                  | 13.14                  | 0-2                          | 0        |
|                                       | 1       | 36        | 13.20                  | 13.17                  | 13.17                  |                              | 0        |
|                                       | 1       | 74        | 13.00                  | 13.25                  | 13.23                  |                              | 0        |
|                                       | 36      | 0         | 13.06                  | 12.95                  | 12.94                  | 0-3                          | 0        |
|                                       | 36      | 18        | 12.99                  | 13.14                  | 13.03                  |                              | 0        |
|                                       | 36      | 37        | 12.94                  | 13.24                  | 13.02                  |                              | 0        |
|                                       | 75      | 0         | 12.98                  | 13.09                  | 12.95                  | 0                            |          |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 127 of 297                        |

**Table 8-163**  
**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         | 12.90                  | 12.99                  | 12.84                  | 0                            | 0        |
|                                       | 1       | 25        | 12.94                  | 13.04                  | 12.86                  |                              | 0        |
|                                       | 1       | 49        | 12.88                  | 13.16                  | 12.91                  |                              | 0        |
|                                       | 25      | 0         | 13.00                  | 13.02                  | 12.92                  | 0-1                          | 0        |
|                                       | 25      | 12        | 13.04                  | 13.14                  | 12.94                  |                              | 0        |
|                                       | 25      | 25        | 13.04                  | 13.26                  | 12.96                  |                              | 0        |
| 16QAM                                 | 50      | 0         | 13.07                  | 13.13                  | 12.97                  | 0-1                          | 0        |
|                                       | 1       | 0         | 13.05                  | 13.10                  | 12.92                  |                              | 0        |
|                                       | 1       | 25        | 13.11                  | 13.33                  | 13.13                  |                              | 0        |
|                                       | 25      | 0         | 13.02                  | 13.05                  | 12.93                  | 0-2                          | 0        |
|                                       | 25      | 12        | 13.07                  | 13.13                  | 12.97                  |                              | 0        |
|                                       | 25      | 25        | 13.06                  | 13.28                  | 12.99                  |                              | 0        |
| 64QAM                                 | 50      | 0         | 13.10                  | 13.17                  | 13.01                  | 0-2                          | 0        |
|                                       | 1       | 0         | 13.11                  | 13.20                  | 13.10                  |                              | 0        |
|                                       | 1       | 25        | 13.16                  | 13.17                  | 13.19                  |                              | 0        |
|                                       | 1       | 49        | 13.08                  | 13.45                  | 13.30                  | 0-3                          | 0        |
|                                       | 25      | 0         | 13.09                  | 13.06                  | 12.97                  |                              | 0        |
|                                       | 25      | 12        | 13.14                  | 13.14                  | 12.99                  |                              | 0        |
|                                       | 25      | 25        | 13.04                  | 13.27                  | 13.01                  | 0                            |          |
|                                       | 50      | 0         | 13.12                  | 13.19                  | 13.00                  | 0                            |          |

**Table 8-164**  
**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         | 12.82                  | 12.89                  | 12.81                  | 0                            | 0        |
|                                      | 1       | 12        | 12.83                  | 13.01                  | 12.76                  |                              | 0        |
|                                      | 1       | 24        | 12.89                  | 13.19                  | 12.81                  |                              | 0        |
|                                      | 12      | 0         | 12.90                  | 12.96                  | 12.90                  | 0-1                          | 0        |
|                                      | 12      | 6         | 12.90                  | 13.00                  | 12.93                  |                              | 0        |
|                                      | 12      | 13        | 12.97                  | 13.04                  | 12.92                  |                              | 0        |
| 16QAM                                | 25      | 0         | 12.93                  | 13.02                  | 12.95                  | 0-1                          | 0        |
|                                      | 1       | 0         | 13.14                  | 13.03                  | 12.92                  |                              | 0        |
|                                      | 1       | 12        | 12.96                  | 13.04                  | 12.84                  |                              | 0        |
|                                      | 1       | 24        | 13.18                  | 13.33                  | 12.92                  | 0-2                          | 0        |
|                                      | 12      | 0         | 12.94                  | 12.95                  | 12.85                  |                              | 0        |
|                                      | 12      | 6         | 12.92                  | 13.08                  | 12.94                  |                              | 0        |
| 64QAM                                | 12      | 13        | 13.05                  | 13.04                  | 12.95                  | 0-2                          | 0        |
|                                      | 25      | 0         | 12.91                  | 13.03                  | 13.00                  |                              | 0        |
|                                      | 1       | 0         | 12.98                  | 13.11                  | 13.23                  | 0-2                          | 0        |
|                                      | 1       | 12        | 13.05                  | 13.24                  | 13.27                  |                              | 0        |
|                                      | 1       | 24        | 13.12                  | 13.47                  | 13.17                  | 0-3                          | 0        |
|                                      | 12      | 0         | 12.92                  | 13.04                  | 12.94                  |                              | 0        |
| 12                                   | 6       | 12.94     | 12.97                  | 12.99                  | 0                      |                              |          |
| 64QAM                                | 12      | 13        | 13.05                  | 13.07                  | 12.96                  | 0-3                          | 0        |
|                                      | 25      | 0         | 12.96                  | 13.08                  | 12.94                  |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 128 of 297                        |

**Table 8-165**  
**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         | 12.71                  | 12.87                  | 12.69                  | 0                            | 0        |
|                                      | 1       | 7         | 12.77                  | 12.95                  | 12.72                  |                              | 0        |
|                                      | 1       | 14        | 12.72                  | 12.94                  | 12.72                  |                              | 0        |
|                                      | 8       | 0         | 12.86                  | 12.96                  | 12.86                  | 0-1                          | 0        |
|                                      | 8       | 4         | 12.85                  | 13.00                  | 12.81                  |                              | 0        |
|                                      | 8       | 7         | 12.86                  | 13.00                  | 12.88                  |                              | 0        |
| 16QAM                                | 15      | 0         | 12.88                  | 13.03                  | 12.86                  | 0                            |          |
|                                      | 1       | 0         | 12.93                  | 13.07                  | 12.92                  | 0-1                          | 0        |
|                                      | 1       | 7         | 12.98                  | 13.15                  | 12.69                  |                              | 0        |
|                                      | 1       | 14        | 12.92                  | 13.13                  | 12.96                  |                              | 0        |
|                                      | 8       | 0         | 12.91                  | 13.07                  | 12.85                  | 0-2                          | 0        |
|                                      | 8       | 4         | 12.92                  | 13.04                  | 12.82                  |                              | 0        |
|                                      | 8       | 7         | 12.95                  | 13.04                  | 12.97                  |                              | 0        |
| 15                                   | 0       | 12.94     | 13.08                  | 12.90                  | 0                      |                              |          |
| 64QAM                                | 1       | 0         | 12.92                  | 13.09                  | 13.01                  | 0-2                          | 0        |
|                                      | 1       | 7         | 12.95                  | 13.30                  | 13.05                  |                              | 0        |
|                                      | 1       | 14        | 13.00                  | 13.07                  | 13.13                  |                              | 0        |
|                                      | 8       | 0         | 12.93                  | 13.00                  | 12.97                  | 0-3                          | 0        |
|                                      | 8       | 4         | 12.95                  | 13.10                  | 12.91                  |                              | 0        |
|                                      | 8       | 7         | 12.94                  | 13.04                  | 13.01                  |                              | 0        |
|                                      | 15      | 0         | 12.89                  | 13.12                  | 12.86                  |                              | 0        |

**Table 8-166**  
**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         | 12.82                  | 13.00                  | 12.99                  | 0                            | 0        |
|                                        | 1       | 2         | 12.80                  | 13.00                  | 12.98                  |                              | 0        |
|                                        | 1       | 5         | 12.83                  | 13.00                  | 12.97                  |                              | 0        |
|                                        | 3       | 0         | 12.91                  | 13.06                  | 12.92                  |                              | 0        |
|                                        | 3       | 2         | 12.89                  | 13.09                  | 12.89                  |                              | 0        |
|                                        | 3       | 3         | 12.91                  | 13.09                  | 12.91                  |                              | 0        |
|                                        | 6       | 0         | 12.90                  | 13.06                  | 12.92                  | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 12.96                  | 13.20                  | 13.04                  | 0-1                          | 0        |
|                                        | 1       | 2         | 13.05                  | 13.11                  | 13.10                  |                              | 0        |
|                                        | 1       | 5         | 13.10                  | 13.21                  | 13.01                  |                              | 0        |
|                                        | 3       | 0         | 13.10                  | 13.10                  | 13.03                  |                              | 0        |
|                                        | 3       | 2         | 12.97                  | 13.14                  | 13.02                  |                              | 0        |
|                                        | 3       | 3         | 13.02                  | 13.18                  | 13.07                  |                              | 0        |
|                                        | 6       | 0         | 12.97                  | 13.12                  | 13.02                  | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 13.10                  | 13.29                  | 12.99                  | 0-2                          | 0        |
|                                        | 1       | 2         | 13.07                  | 13.39                  | 13.02                  |                              | 0        |
|                                        | 1       | 5         | 13.01                  | 13.21                  | 13.06                  |                              | 0        |
|                                        | 3       | 0         | 12.94                  | 13.08                  | 12.99                  |                              | 0        |
|                                        | 3       | 2         | 13.04                  | 13.12                  | 12.98                  |                              | 0        |
|                                        | 3       | 3         | 12.98                  | 13.13                  | 13.04                  |                              | 0        |
|                                        | 6       | 0         | 12.98                  | 13.02                  | 12.97                  | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 129 of 297                 |

**Table 8-167**  
**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         | 10.16                  | 10.17                  | 10.40                  | 0                            | 0        |
|                                       | 1       | 50        | 10.04                  | 10.14                  | 10.35                  |                              | 0        |
|                                       | 1       | 99        | 10.43                  | 10.36                  | 10.40                  |                              | 0        |
|                                       | 50      | 0         | 10.43                  | 10.17                  | 10.38                  | 0-1                          | 0        |
|                                       | 50      | 25        | 10.22                  | 10.15                  | 10.32                  |                              | 0        |
|                                       | 50      | 50        | 10.18                  | 10.18                  | 10.28                  |                              | 0        |
| 16QAM                                 | 100     | 0         | 10.21                  | 10.18                  | 10.28                  | 0-1                          | 0        |
|                                       | 1       | 0         | 10.09                  | 10.28                  | 9.80                   |                              | 0        |
|                                       | 1       | 50        | 10.03                  | 10.40                  | 10.12                  |                              | 0        |
|                                       | 1       | 99        | 10.20                  | 10.50                  | 9.90                   | 0-2                          | 0        |
|                                       | 50      | 0         | 9.96                   | 10.02                  | 9.96                   |                              | 0        |
|                                       | 50      | 25        | 9.72                   | 9.96                   | 9.56                   |                              | 0        |
| 64QAM                                 | 50      | 50        | 9.64                   | 10.12                  | 9.48                   | 0-2                          | 0        |
|                                       | 100     | 0         | 9.75                   | 9.99                   | 9.58                   |                              | 0        |
|                                       | 1       | 0         | 10.22                  | 10.17                  | 10.28                  |                              | 0-2      |
|                                       | 1       | 50        | 10.14                  | 10.35                  | 10.15                  | 0                            |          |
|                                       | 1       | 99        | 10.40                  | 10.35                  | 10.20                  | 0-3                          |          |
|                                       | 50      | 0         | 10.11                  | 10.24                  | 9.90                   |                              | 0        |
| 50                                    | 25      | 10.09     | 10.28                  | 9.78                   | 0                      |                              |          |
| 64QAM                                 | 50      | 50        | 9.94                   | 10.22                  | 9.80                   | 0-3                          | 0        |
|                                       | 100     | 0         | 10.03                  | 10.24                  | 9.97                   |                              | 0        |

**Table 8-168**  
**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         | 10.29                  | 10.23                  | 10.34                  | 0                            | 0        |
|                                       | 1       | 36        | 10.12                  | 10.10                  | 10.22                  |                              | 0        |
|                                       | 1       | 74        | 10.34                  | 10.29                  | 10.32                  |                              | 0        |
|                                       | 36      | 0         | 10.35                  | 10.28                  | 10.24                  | 0-1                          | 0        |
|                                       | 36      | 18        | 10.21                  | 10.19                  | 10.11                  |                              | 0        |
|                                       | 36      | 37        | 10.11                  | 10.24                  | 10.18                  |                              | 0        |
|                                       | 75      | 0         | 10.20                  | 10.20                  | 10.11                  |                              | 0        |
| 16QAM                                 | 1       | 0         | 10.34                  | 10.40                  | 10.50                  | 0-1                          | 0        |
|                                       | 1       | 36        | 10.50                  | 10.42                  | 10.35                  |                              | 0        |
|                                       | 1       | 74        | 10.37                  | 10.44                  | 10.41                  |                              | 0        |
|                                       | 36      | 0         | 10.37                  | 10.17                  | 10.28                  | 0-2                          | 0        |
|                                       | 36      | 18        | 10.10                  | 10.22                  | 10.11                  |                              | 0        |
|                                       | 36      | 37        | 10.02                  | 10.42                  | 10.13                  |                              | 0        |
|                                       | 75      | 0         | 10.18                  | 10.38                  | 10.11                  |                              | 0        |
| 64QAM                                 | 1       | 0         | 10.37                  | 10.44                  | 10.48                  | 0-2                          | 0        |
|                                       | 1       | 36        | 10.28                  | 10.15                  | 10.14                  |                              | 0        |
|                                       | 1       | 74        | 10.00                  | 10.20                  | 10.17                  |                              | 0        |
|                                       | 36      | 0         | 10.28                  | 10.03                  | 10.17                  | 0-3                          | 0        |
|                                       | 36      | 18        | 10.16                  | 10.04                  | 10.02                  |                              | 0        |
|                                       | 36      | 37        | 9.92                   | 10.02                  | 10.07                  |                              | 0        |
|                                       | 75      | 0         | 10.15                  | 10.02                  | 10.01                  |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 130 of 297                        |

**Table 8-169**  
**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         | 10.23                  | 10.28                  | 10.17                  | 0                            | 0        |
|                                       | 1       | 25        | 10.20                  | 10.27                  | 10.15                  |                              | 0        |
|                                       | 1       | 49        | 10.23                  | 10.23                  | 10.30                  |                              | 0        |
|                                       | 25      | 0         | 10.26                  | 10.35                  | 10.10                  | 0-1                          | 0        |
|                                       | 25      | 12        | 10.24                  | 10.33                  | 10.16                  |                              | 0        |
|                                       | 25      | 25        | 10.16                  | 10.30                  | 10.26                  |                              | 0        |
| 16QAM                                 | 50      | 0         | 10.26                  | 10.34                  | 10.14                  | 0-1                          | 0        |
|                                       | 1       | 0         | 10.42                  | 10.40                  | 10.44                  |                              | 0        |
|                                       | 1       | 25        | 10.37                  | 10.48                  | 10.40                  |                              | 0        |
|                                       | 1       | 49        | 10.30                  | 10.33                  | 10.43                  | 0-2                          | 0        |
|                                       | 25      | 0         | 10.32                  | 10.38                  | 10.14                  |                              | 0        |
|                                       | 25      | 12        | 10.19                  | 10.38                  | 10.19                  |                              | 0        |
| 64QAM                                 | 25      | 25        | 10.10                  | 10.34                  | 10.26                  | 0-2                          | 0        |
|                                       | 50      | 0         | 10.17                  | 10.35                  | 10.17                  |                              | 0        |
|                                       | 1       | 0         | 10.25                  | 10.24                  | 10.34                  |                              | 0-2      |
|                                       | 1       | 25        | 10.24                  | 10.15                  | 10.25                  | 0                            |          |
|                                       | 1       | 49        | 10.24                  | 10.13                  | 10.38                  | 0                            |          |
|                                       | 64QAM   | 25        | 0                      | 10.15                  | 10.06                  | 10.10                        | 0-3      |
| 25                                    |         | 12        | 10.13                  | 10.02                  | 10.14                  | 0                            |          |
| 25                                    |         | 25        | 10.09                  | 10.00                  | 10.23                  | 0                            |          |
| 50                                    |         | 0         | 10.15                  | 10.04                  | 10.14                  | 0                            |          |

**Table 8-170**  
**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         | 10.06                  | 10.28                  | 10.25                  | 0                            | 0        |
|                                      | 1       | 12        | 10.03                  | 10.29                  | 10.33                  |                              | 0        |
|                                      | 1       | 24        | 10.35                  | 10.23                  | 10.31                  |                              | 0        |
|                                      | 12      | 0         | 10.24                  | 10.14                  | 10.24                  | 0-1                          | 0        |
|                                      | 12      | 6         | 10.14                  | 10.15                  | 10.28                  |                              | 0        |
|                                      | 12      | 13        | 10.17                  | 10.15                  | 10.25                  |                              | 0        |
| 16QAM                                | 25      | 0         | 10.15                  | 10.15                  | 10.19                  | 0-1                          | 0        |
|                                      | 1       | 0         | 10.34                  | 10.35                  | 10.25                  |                              | 0        |
|                                      | 1       | 12        | 10.19                  | 10.35                  | 10.35                  |                              | 0        |
|                                      | 1       | 24        | 10.43                  | 10.41                  | 10.39                  | 0-2                          | 0        |
|                                      | 12      | 0         | 10.20                  | 10.21                  | 10.18                  |                              | 0        |
|                                      | 12      | 6         | 10.17                  | 10.27                  | 10.20                  |                              | 0        |
| 64QAM                                | 12      | 13        | 10.17                  | 10.23                  | 10.19                  | 0-2                          | 0        |
|                                      | 25      | 0         | 10.21                  | 10.21                  | 10.21                  |                              | 0        |
|                                      | 1       | 0         | 10.22                  | 10.34                  | 10.03                  |                              | 0-2      |
|                                      | 1       | 12        | 10.17                  | 10.15                  | 10.17                  | 0                            |          |
|                                      | 1       | 24        | 10.25                  | 10.18                  | 10.20                  | 0-3                          |          |
|                                      | 12      | 0         | 10.07                  | 10.04                  | 9.89                   |                              | 0        |
| 12                                   | 6       | 10.07     | 10.04                  | 10.04                  | 0                      |                              |          |
|                                      | 12      | 13        | 10.15                  | 10.02                  | 10.03                  |                              | 0        |
|                                      | 25      | 0         | 10.09                  | 10.03                  | 10.02                  |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 131 of 297                 |

Table 8-171

## 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         | 10.01                  | 10.08                  | 10.00                  | 0                            | 0        |
|                                      | 1       | 7         | 10.05                  | 10.20                  | 10.12                  |                              | 0        |
|                                      | 1       | 14        | 10.13                  | 10.10                  | 10.01                  |                              | 0        |
|                                      | 8       | 0         | 10.11                  | 10.22                  | 10.17                  | 0-1                          | 0        |
|                                      | 8       | 4         | 10.13                  | 10.22                  | 10.18                  |                              | 0        |
|                                      | 8       | 7         | 10.13                  | 10.23                  | 10.16                  |                              | 0        |
| 16QAM                                | 15      | 0         | 10.13                  | 10.23                  | 10.19                  | 0-1                          | 0        |
|                                      | 1       | 0         | 10.36                  | 10.37                  | 10.49                  |                              | 0        |
|                                      | 1       | 7         | 10.30                  | 10.33                  | 10.44                  |                              | 0        |
|                                      | 1       | 14        | 10.13                  | 10.26                  | 10.47                  | 0-2                          | 0        |
|                                      | 8       | 0         | 10.22                  | 10.29                  | 10.18                  |                              | 0        |
|                                      | 8       | 4         | 10.15                  | 10.28                  | 10.26                  |                              | 0        |
| 64QAM                                | 8       | 7         | 10.14                  | 10.31                  | 10.22                  | 0-2                          | 0        |
|                                      | 15      | 0         | 10.19                  | 10.24                  | 10.21                  |                              | 0        |
|                                      | 1       | 0         | 10.08                  | 10.20                  | 10.13                  | 0-2                          | 0        |
|                                      | 1       | 7         | 10.16                  | 10.23                  | 10.16                  |                              | 0        |
|                                      | 1       | 14        | 10.15                  | 10.16                  | 10.02                  | 0-3                          | 0        |
|                                      | 8       | 0         | 10.05                  | 10.07                  | 10.00                  |                              | 0        |
| 8                                    | 4       | 10.02     | 10.07                  | 9.97                   | 0                      |                              |          |
|                                      | 8       | 7         | 10.04                  | 10.09                  | 9.96                   |                              | 0        |
|                                      | 15      | 0         | 10.05                  | 10.07                  | 9.98                   |                              | 0        |

Table 8-172

## 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         | 10.16                  | 10.25                  | 10.10                  | 0                            | 0        |
|                                        | 1       | 2         | 10.13                  | 10.26                  | 10.04                  |                              | 0        |
|                                        | 1       | 5         | 10.15                  | 10.25                  | 10.08                  |                              | 0        |
|                                        | 3       | 0         | 10.09                  | 10.17                  | 9.97                   |                              | 0        |
|                                        | 3       | 2         | 10.04                  | 10.17                  | 9.99                   |                              | 0        |
|                                        | 3       | 3         | 10.07                  | 10.17                  | 10.01                  |                              | 0        |
|                                        | 6       | 0         | 10.07                  | 10.17                  | 10.00                  | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 9.97                   | 10.09                  | 9.72                   | 0-1                          | 0        |
|                                        | 1       | 2         | 9.88                   | 10.17                  | 9.80                   |                              | 0        |
|                                        | 1       | 5         | 9.81                   | 10.12                  | 9.86                   |                              | 0        |
|                                        | 3       | 0         | 9.80                   | 10.11                  | 9.74                   |                              | 0        |
|                                        | 3       | 2         | 9.84                   | 10.10                  | 9.70                   |                              | 0        |
|                                        | 3       | 3         | 9.89                   | 10.16                  | 9.72                   |                              | 0        |
|                                        | 6       | 0         | 9.81                   | 10.01                  | 9.72                   | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 10.11                  | 10.16                  | 9.94                   | 0-2                          | 0        |
|                                        | 1       | 2         | 10.13                  | 10.25                  | 10.10                  |                              | 0        |
|                                        | 1       | 5         | 10.13                  | 10.21                  | 10.01                  |                              | 0        |
|                                        | 3       | 0         | 10.05                  | 10.04                  | 9.93                   |                              | 0        |
|                                        | 3       | 2         | 10.01                  | 10.10                  | 9.92                   |                              | 0        |
|                                        | 3       | 3         | 9.99                   | 10.07                  | 9.87                   |                              | 0        |
|                                        | 6       | 0         | 9.95                   | 10.03                  | 9.84                   | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 132 of 297                 |

### 8.3.9

### LTE Band 2

**Table 8-173**  
**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         | 14.75                 | 14.66                 | 14.82                 | 0                            | 0        |
|                                      | 1       | 50        | 14.72                 | 14.39                 | 14.50                 |                              | 0        |
|                                      | 1       | 99        | 14.96                 | 14.67                 | 14.90                 |                              | 0        |
|                                      | 50      | 0         | 14.65                 | 14.63                 | 14.67                 | 0-1                          | 0        |
|                                      | 50      | 25        | 14.71                 | 14.49                 | 14.50                 |                              | 0        |
|                                      | 50      | 50        | 14.87                 | 14.65                 | 14.70                 |                              | 0        |
| 16QAM                                | 100     | 0         | 14.74                 | 14.50                 | 14.52                 | 0                            |          |
|                                      | 1       | 0         | 14.50                 | 14.47                 | 14.46                 | 0-1                          | 0        |
|                                      | 1       | 50        | 14.57                 | 14.28                 | 14.18                 |                              | 0        |
|                                      | 1       | 99        | 14.85                 | 14.50                 | 14.44                 |                              | 0-2      |
|                                      | 50      | 0         | 14.10                 | 14.13                 | 14.19                 | 0                            |          |
|                                      | 50      | 25        | 14.21                 | 14.00                 | 14.03                 | 0                            |          |
| 50                                   | 50      | 14.40     | 14.14                 | 14.22                 | 0                     |                              |          |
| 64QAM                                | 100     | 0         | 14.24                 | 14.01                 | 14.04                 | 0                            |          |
|                                      | 1       | 0         | 14.75                 | 14.97                 | 14.96                 | 0-2                          | 0        |
|                                      | 1       | 50        | 14.86                 | 14.90                 | 14.85                 |                              | 0        |
|                                      | 1       | 99        | 15.00                 | 15.00                 | 15.00                 |                              | 0        |
|                                      | 50      | 0         | 14.35                 | 14.46                 | 14.45                 | 0-3                          | 0        |
|                                      | 50      | 25        | 14.27                 | 14.29                 | 14.32                 |                              | 0        |
| 50                                   | 50      | 14.40     | 14.44                 | 14.30                 | 0                     |                              |          |
| 100                                  | 0       | 14.31     | 14.30                 | 14.28                 | 0                     |                              |          |

**Table 8-174**  
**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         | 14.60                 | 14.55                 | 14.70                 | 0                            | 0        |   |
|                                      | 1       | 36        | 14.78                 | 14.48                 | 14.55                 |                              | 0        |   |
|                                      | 1       | 74        | 14.97                 | 14.61                 | 14.74                 |                              | 0        |   |
|                                      | 36      | 0         | 14.66                 | 14.60                 | 14.33                 | 0-1                          | 0        |   |
|                                      | 36      | 18        | 14.80                 | 14.15                 | 14.26                 |                              | 0        |   |
|                                      | 36      | 37        | 14.93                 | 14.35                 | 14.35                 |                              | 0        |   |
| 16QAM                                | 75      | 0         | 14.80                 | 14.24                 | 14.27                 | 0                            | 0        |   |
|                                      | 1       | 0         | 14.53                 | 14.70                 | 14.20                 |                              | 0-1      | 0 |
|                                      | 1       | 36        | 14.82                 | 14.59                 | 14.33                 |                              |          | 0 |
|                                      | 1       | 74        | 14.70                 | 14.84                 | 14.41                 | 0-2                          |          | 0 |
|                                      | 36      | 0         | 14.26                 | 14.13                 | 14.36                 |                              | 0        |   |
|                                      | 36      | 18        | 14.32                 | 14.19                 | 14.32                 |                              | 0        |   |
| 64QAM                                | 36      | 37        | 14.27                 | 14.39                 | 14.41                 | 0-2                          | 0        |   |
|                                      | 75      | 0         | 14.32                 | 14.26                 | 14.28                 |                              | 0        |   |
|                                      | 1       | 0         | 14.48                 | 14.73                 | 14.92                 |                              | 0-2      | 0 |
|                                      | 1       | 36        | 14.69                 | 14.55                 | 14.71                 | 0                            |          |   |
|                                      | 1       | 74        | 14.76                 | 14.76                 | 14.66                 | 0-3                          |          | 0 |
|                                      | 36      | 0         | 14.27                 | 14.19                 | 14.42                 |                              | 0        |   |
| 36                                   | 18      | 14.35     | 14.20                 | 14.33                 | 0                     |                              |          |   |
| 64QAM                                | 36      | 37        | 14.33                 | 14.40                 | 14.44                 | 0-3                          | 0        |   |
|                                      | 75      | 0         | 14.34                 | 14.26                 | 14.28                 |                              | 0        |   |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 133 of 297                 |

**Table 8-175**  
**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         | 14.44                 | 14.41                 | 14.36                 | 0                            | 0        |
|                                      | 1       | 25        | 14.45                 | 14.41                 | 14.44                 |                              | 0        |
|                                      | 1       | 49        | 14.53                 | 14.61                 | 14.56                 |                              | 0        |
|                                      | 25      | 0         | 14.30                 | 14.36                 | 14.33                 | 0-1                          | 0        |
|                                      | 25      | 12        | 14.32                 | 14.36                 | 14.49                 |                              | 0        |
|                                      | 25      | 25        | 14.39                 | 14.48                 | 14.55                 |                              | 0        |
| 16QAM                                | 50      | 0         | 14.50                 | 14.47                 | 14.51                 | 0                            | 0        |
|                                      | 1       | 0         | 14.53                 | 14.79                 | 14.54                 | 0-1                          | 0        |
|                                      | 1       | 25        | 14.66                 | 14.70                 | 14.65                 |                              | 0        |
|                                      | 1       | 49        | 14.58                 | 14.68                 | 14.87                 |                              | 0-2      |
|                                      | 25      | 0         | 14.12                 | 14.22                 | 14.13                 | 0                            |          |
|                                      | 25      | 12        | 14.15                 | 14.18                 | 14.28                 | 0                            |          |
| 64QAM                                | 25      | 25        | 14.21                 | 14.33                 | 14.39                 | 0-2                          | 0        |
|                                      | 50      | 0         | 14.25                 | 14.27                 | 14.35                 |                              | 0        |
|                                      | 1       | 0         | 14.61                 | 14.75                 | 14.68                 |                              | 0-2      |
|                                      | 1       | 25        | 14.58                 | 14.87                 | 14.78                 | 0                            |          |
|                                      | 1       | 49        | 14.72                 | 14.79                 | 14.76                 | 0                            |          |
|                                      | 25      | 0         | 14.13                 | 14.22                 | 14.16                 | 0-3                          | 0        |
| 25                                   | 12      | 14.16     | 14.20                 | 14.32                 | 0                     |                              |          |
| 25                                   | 25      | 14.23     | 14.31                 | 14.37                 | 0                     |                              |          |
|                                      | 50      | 0         | 14.25                 | 14.28                 | 14.33                 |                              | 0        |

**Table 8-176**  
**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         | 14.47                 | 14.48                 | 14.74                 | 0                            | 0        |   |
|                                     | 1       | 12        | 14.51                 | 14.52                 | 14.77                 |                              | 0        |   |
|                                     | 1       | 24        | 14.58                 | 14.41                 | 14.86                 |                              | 0        |   |
|                                     | 12      | 0         | 14.61                 | 14.39                 | 14.78                 | 0-1                          | 0        |   |
|                                     | 12      | 6         | 14.51                 | 14.40                 | 14.79                 |                              | 0        |   |
|                                     | 12      | 13        | 14.59                 | 14.49                 | 14.63                 |                              | 0        |   |
| 16QAM                               | 25      | 0         | 14.55                 | 14.53                 | 14.75                 | 0                            | 0        |   |
|                                     | 1       | 0         | 14.26                 | 14.46                 | 14.47                 |                              | 0-1      | 0 |
|                                     | 1       | 12        | 14.22                 | 14.47                 | 14.52                 |                              |          | 0 |
|                                     | 1       | 24        | 14.46                 | 14.55                 | 14.62                 | 0-2                          |          | 0 |
|                                     | 12      | 0         | 14.09                 | 14.18                 | 14.37                 |                              | 0        |   |
|                                     | 12      | 6         | 14.08                 | 14.18                 | 14.30                 |                              | 0        |   |
| 64QAM                               | 12      | 13        | 14.19                 | 14.25                 | 14.34                 | 0                            | 0        |   |
|                                     | 25      | 0         | 14.09                 | 14.22                 | 14.28                 |                              | 0        |   |
|                                     | 1       | 0         | 14.29                 | 14.52                 | 14.65                 |                              | 0-2      | 0 |
|                                     | 1       | 12        | 14.28                 | 14.65                 | 14.74                 | 0                            |          |   |
|                                     | 1       | 24        | 14.61                 | 14.59                 | 14.87                 | 0-3                          |          | 0 |
|                                     | 12      | 0         | 14.05                 | 14.12                 | 14.39                 |                              | 0        |   |
| 12                                  | 6       | 14.01     | 14.13                 | 14.42                 | 0                     |                              |          |   |
| 64QAM                               | 12      | 13        | 14.13                 | 14.22                 | 14.51                 | 0                            | 0        |   |
|                                     | 25      | 0         | 14.06                 | 14.27                 | 14.42                 |                              | 0        |   |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 134 of 297                        |

**Table 8-177**  
**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         | 14.47                 | 14.30                 | 14.83                 | 0                            | 0        |
|                                     | 1       | 7         | 14.55                 | 14.39                 | 14.91                 |                              | 0        |
|                                     | 1       | 14        | 14.49                 | 14.42                 | 14.83                 |                              | 0        |
|                                     | 8       | 0         | 14.54                 | 14.35                 | 14.70                 | 0-1                          | 0        |
|                                     | 8       | 4         | 14.57                 | 14.39                 | 14.71                 |                              | 0        |
|                                     | 8       | 7         | 14.56                 | 14.40                 | 14.59                 |                              | 0        |
| 16QAM                               | 15      | 0         | 14.54                 | 14.42                 | 14.70                 | 0-1                          | 0        |
|                                     | 1       | 0         | 14.51                 | 14.63                 | 14.72                 |                              | 0        |
|                                     | 1       | 7         | 14.64                 | 14.75                 | 14.60                 |                              | 0        |
|                                     | 1       | 14        | 14.49                 | 14.67                 | 14.71                 | 0-2                          | 0        |
|                                     | 8       | 0         | 14.09                 | 14.25                 | 14.29                 |                              | 0        |
|                                     | 8       | 4         | 14.08                 | 14.30                 | 14.38                 |                              | 0        |
| 64QAM                               | 8       | 7         | 14.11                 | 14.28                 | 14.36                 | 0-2                          | 0        |
|                                     | 15      | 0         | 14.10                 | 14.27                 | 14.46                 |                              | 0        |
|                                     | 1       | 0         | 14.43                 | 14.68                 | 14.58                 |                              | 0-2      |
|                                     | 1       | 7         | 14.36                 | 14.63                 | 14.84                 | 0                            |          |
|                                     | 1       | 14        | 14.59                 | 14.63                 | 14.54                 | 0                            |          |
|                                     | 8       | 0         | 14.15                 | 14.18                 | 14.38                 | 0-3                          | 0        |
| 8                                   | 4       | 14.16     | 14.37                 | 14.39                 | 0                     |                              |          |
| 8                                   | 7       | 14.04     | 14.33                 | 14.26                 | 0                     |                              |          |
| 64QAM                               | 15      | 0         | 14.17                 | 14.35                 | 14.43                 |                              | 0        |

**Table 8-178**  
**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         | 14.55                 | 14.65                 | 14.57                 | 0                            | 0        |
|                                       | 1       | 2         | 14.51                 | 14.65                 | 14.50                 |                              | 0        |
|                                       | 1       | 5         | 14.57                 | 14.64                 | 14.55                 |                              | 0        |
|                                       | 3       | 0         | 14.54                 | 14.66                 | 14.38                 |                              | 0        |
|                                       | 3       | 2         | 14.53                 | 14.62                 | 14.38                 |                              | 0        |
|                                       | 3       | 3         | 14.55                 | 14.63                 | 14.41                 |                              | 0        |
|                                       | 6       | 0         | 14.54                 | 14.62                 | 14.44                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 14.37                 | 14.52                 | 14.93                 | 0-1                          | 0        |
|                                       | 1       | 2         | 14.54                 | 14.63                 | 14.65                 |                              | 0        |
|                                       | 1       | 5         | 14.62                 | 14.62                 | 14.65                 |                              | 0        |
|                                       | 3       | 0         | 14.20                 | 14.25                 | 14.43                 |                              | 0        |
|                                       | 3       | 2         | 14.19                 | 14.34                 | 14.45                 |                              | 0        |
|                                       | 3       | 3         | 14.33                 | 14.30                 | 14.50                 |                              | 0        |
|                                       | 6       | 0         | 14.23                 | 14.28                 | 14.43                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 14.67                 | 14.93                 | 14.95                 | 0-2                          | 0        |
|                                       | 1       | 2         | 14.57                 | 14.68                 | 14.69                 |                              | 0        |
|                                       | 1       | 5         | 14.67                 | 14.70                 | 14.73                 |                              | 0        |
|                                       | 3       | 0         | 14.14                 | 14.16                 | 14.41                 |                              | 0        |
|                                       | 3       | 2         | 14.25                 | 14.33                 | 14.46                 |                              | 0        |
|                                       | 3       | 3         | 14.19                 | 14.29                 | 14.41                 |                              | 0        |
|                                       | 6       | 0         | 14.26                 | 14.33                 | 14.51                 | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 135 of 297                 |

Table 8-179

## 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         | 11.39                 | 11.66                 | 11.51                 | 0                            | 0        |
|                                      | 1       | 50        | 11.41                 | 11.42                 | 11.26                 |                              | 0        |
|                                      | 1       | 99        | 11.67                 | 11.71                 | 11.47                 |                              | 0        |
|                                      | 50      | 0         | 11.41                 | 11.40                 | 11.53                 | 0-1                          | 0        |
|                                      | 50      | 25        | 11.40                 | 11.36                 | 11.40                 |                              | 0        |
|                                      | 50      | 50        | 11.54                 | 11.55                 | 11.40                 |                              | 0        |
| 16QAM                                | 100     | 0         | 11.49                 | 11.45                 | 11.41                 | 0-1                          | 0        |
|                                      | 1       | 0         | 11.49                 | 11.83                 | 11.97                 |                              | 0        |
|                                      | 1       | 50        | 11.75                 | 11.50                 | 11.62                 |                              | 0        |
|                                      | 1       | 99        | 11.94                 | 11.96                 | 11.85                 | 0-2                          | 0        |
|                                      | 50      | 0         | 11.54                 | 11.62                 | 11.70                 |                              | 0        |
|                                      | 50      | 25        | 11.63                 | 11.42                 | 11.52                 |                              | 0        |
| 64QAM                                | 50      | 50        | 11.82                 | 11.55                 | 11.60                 | 0-2                          | 0        |
|                                      | 100     | 0         | 11.66                 | 11.46                 | 11.49                 |                              | 0        |
|                                      | 1       | 0         | 11.72                 | 11.85                 | 11.83                 |                              | 0-2      |
|                                      | 1       | 50        | 11.61                 | 11.55                 | 11.60                 | 0                            |          |
|                                      | 1       | 99        | 11.85                 | 11.88                 | 11.88                 | 0-3                          |          |
|                                      | 50      | 0         | 11.46                 | 11.42                 | 11.66                 |                              | 0        |
| 50                                   | 25      | 11.48     | 11.41                 | 11.45                 | 0                     |                              |          |
| 50                                   | 50      | 11.63     | 11.57                 | 11.50                 | 0                     |                              |          |
|                                      | 100     | 0         | 11.53                 | 11.41                 | 11.43                 |                              | 0        |

Table 8-180

## 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         | 11.36                 | 11.56                 | 11.40                 | 0                            | 0        |
|                                      | 1       | 36        | 11.39                 | 11.41                 | 11.39                 |                              | 0        |
|                                      | 1       | 74        | 11.69                 | 11.57                 | 11.71                 |                              | 0        |
|                                      | 36      | 0         | 11.45                 | 11.52                 | 11.44                 | 0-1                          | 0        |
|                                      | 36      | 18        | 11.52                 | 11.50                 | 11.47                 |                              | 0        |
|                                      | 36      | 37        | 11.65                 | 11.48                 | 11.63                 |                              | 0        |
| 16QAM                                | 75      | 0         | 11.54                 | 11.45                 | 11.51                 | 0-1                          | 0        |
|                                      | 1       | 0         | 11.64                 | 11.51                 | 11.54                 |                              | 0        |
|                                      | 1       | 36        | 11.52                 | 11.46                 | 11.59                 |                              | 0        |
|                                      | 1       | 74        | 11.70                 | 11.67                 | 11.78                 | 0-2                          | 0        |
|                                      | 36      | 0         | 11.56                 | 11.44                 | 11.49                 |                              | 0        |
|                                      | 36      | 18        | 11.60                 | 11.42                 | 11.53                 |                              | 0        |
| 64QAM                                | 36      | 37        | 11.67                 | 11.40                 | 11.65                 | 0-2                          | 0        |
|                                      | 75      | 0         | 11.56                 | 11.38                 | 11.53                 |                              | 0        |
|                                      | 1       | 0         | 11.39                 | 11.68                 | 11.64                 |                              | 0-2      |
|                                      | 1       | 36        | 11.67                 | 11.52                 | 11.84                 | 0                            |          |
|                                      | 1       | 74        | 11.85                 | 11.84                 | 11.90                 | 0-3                          |          |
|                                      | 36      | 0         | 11.43                 | 11.36                 | 11.45                 |                              | 0        |
| 36                                   | 18      | 11.48     | 11.34                 | 11.36                 | 0                     |                              |          |
| 64QAM                                | 36      | 37        | 11.48                 | 11.54                 | 11.50                 | 0-3                          | 0        |
|                                      | 75      | 0         | 11.51                 | 11.39                 | 11.47                 |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 136 of 297                 |

Table 8-181

## 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         | 11.38                 | 11.55                 | 11.45                 | 0                            | 0        |
|                                      | 1       | 25        | 11.42                 | 11.39                 | 11.44                 |                              | 0        |
|                                      | 1       | 49        | 11.48                 | 11.54                 | 11.59                 |                              | 0        |
|                                      | 25      | 0         | 11.45                 | 11.52                 | 11.51                 | 0-1                          | 0        |
|                                      | 25      | 12        | 11.39                 | 11.52                 | 11.52                 |                              | 0        |
|                                      | 25      | 25        | 11.48                 | 11.51                 | 11.62                 |                              | 0        |
| 16QAM                                | 50      | 0         | 11.49                 | 11.46                 | 11.56                 | 0-1                          | 0        |
|                                      | 1       | 0         | 11.56                 | 11.64                 | 11.42                 |                              | 0        |
|                                      | 1       | 25        | 11.50                 | 11.59                 | 11.60                 |                              | 0        |
|                                      | 1       | 49        | 11.79                 | 11.62                 | 11.76                 | 0-2                          | 0        |
|                                      | 25      | 0         | 11.50                 | 11.51                 | 11.47                 |                              | 0        |
|                                      | 25      | 12        | 11.47                 | 11.51                 | 11.54                 |                              | 0        |
| 64QAM                                | 25      | 25        | 11.58                 | 11.50                 | 11.68                 | 0-2                          | 0        |
|                                      | 50      | 0         | 11.61                 | 11.44                 | 11.55                 |                              | 0        |
|                                      | 1       | 0         | 11.62                 | 11.66                 | 11.46                 |                              | 0-2      |
|                                      | 1       | 25        | 11.54                 | 11.58                 | 11.64                 | 0                            |          |
|                                      | 1       | 49        | 11.61                 | 11.81                 | 11.84                 | 0-3                          |          |
|                                      | 25      | 0         | 11.38                 | 11.37                 | 11.38                 |                              | 0        |
| 25                                   | 12      | 11.36     | 11.39                 | 11.49                 | 0-3                   |                              | 0        |
| 25                                   | 25      | 11.47     | 11.49                 | 11.59                 |                       | 0                            |          |
| 50                                   | 0       | 11.42     | 11.45                 | 11.51                 |                       | 0                            |          |

Table 8-182

## 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         | 11.15                 | 11.35                 | 11.27                 | 0                            | 0        |
|                                     | 1       | 12        | 11.22                 | 11.26                 | 11.42                 |                              | 0        |
|                                     | 1       | 24        | 11.18                 | 11.32                 | 11.44                 |                              | 0        |
|                                     | 12      | 0         | 11.38                 | 11.44                 | 11.55                 | 0-1                          | 0        |
|                                     | 12      | 6         | 11.41                 | 11.43                 | 11.61                 |                              | 0        |
|                                     | 12      | 13        | 11.42                 | 11.35                 | 11.69                 |                              | 0        |
| 16QAM                               | 25      | 0         | 11.42                 | 11.38                 | 11.62                 | 0-1                          | 0        |
|                                     | 1       | 0         | 11.33                 | 11.49                 | 11.55                 |                              | 0        |
|                                     | 1       | 12        | 11.33                 | 11.45                 | 11.71                 |                              | 0        |
|                                     | 1       | 24        | 11.46                 | 11.56                 | 11.71                 | 0-2                          | 0        |
|                                     | 12      | 0         | 11.46                 | 11.52                 | 11.64                 |                              | 0        |
|                                     | 12      | 6         | 11.44                 | 11.57                 | 11.71                 |                              | 0        |
| 64QAM                               | 12      | 13        | 11.47                 | 11.44                 | 11.72                 | 0-2                          | 0        |
|                                     | 25      | 0         | 11.44                 | 11.46                 | 11.70                 |                              | 0        |
|                                     | 1       | 0         | 11.49                 | 11.49                 | 11.45                 |                              | 0-2      |
|                                     | 1       | 12        | 11.47                 | 11.56                 | 11.47                 | 0                            |          |
|                                     | 1       | 24        | 11.42                 | 11.64                 | 11.65                 | 0                            |          |
|                                     | 12      | 0         | 11.37                 | 11.37                 | 11.28                 | 0-3                          | 0        |
| 12                                  | 6       | 11.35     | 11.36                 | 11.35                 | 0                     |                              |          |
| 12                                  | 13      | 11.35     | 11.37                 | 11.35                 | 0                     |                              |          |
|                                     | 25      | 0         | 11.33                 | 11.37                 | 11.27                 |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 137 of 297                 |

**Table 8-183**  
**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         | 11.26                 | 11.38                 | 11.48                 | 0                            | 0        |
|                                     | 1       | 7         | 11.40                 | 11.36                 | 11.59                 |                              | 0        |
|                                     | 1       | 14        | 11.31                 | 11.28                 | 11.46                 |                              | 0        |
|                                     | 8       | 0         | 11.39                 | 11.49                 | 11.62                 | 0-1                          | 0        |
|                                     | 8       | 4         | 11.45                 | 11.42                 | 11.69                 |                              | 0        |
|                                     | 8       | 7         | 11.46                 | 11.43                 | 11.67                 |                              | 0        |
| 16QAM                               | 15      | 0         | 11.44                 | 11.44                 | 11.70                 | 0-1                          | 0        |
|                                     | 1       | 0         | 11.29                 | 11.36                 | 11.73                 |                              | 0        |
|                                     | 1       | 7         | 11.42                 | 11.50                 | 11.97                 |                              | 0        |
|                                     | 1       | 14        | 11.36                 | 11.43                 | 11.65                 | 0-2                          | 0        |
|                                     | 8       | 0         | 11.46                 | 11.50                 | 11.73                 |                              | 0        |
|                                     | 8       | 4         | 11.46                 | 11.46                 | 11.86                 |                              | 0        |
| 64QAM                               | 8       | 7         | 11.51                 | 11.41                 | 11.77                 | 0-2                          | 0        |
|                                     | 15      | 0         | 11.49                 | 11.45                 | 11.82                 |                              | 0        |
|                                     | 1       | 0         | 11.39                 | 11.42                 | 11.60                 |                              | 0-2      |
|                                     | 1       | 7         | 11.53                 | 11.75                 | 11.81                 | 0                            |          |
|                                     | 1       | 14        | 11.40                 | 11.59                 | 11.79                 | 0-3                          |          |
|                                     | 8       | 0         | 11.34                 | 11.42                 | 11.60                 |                              | 0        |
| 8                                   | 4       | 11.23     | 11.46                 | 11.62                 | 0                     |                              |          |
| 64QAM                               | 8       | 7         | 11.35                 | 11.50                 | 11.62                 | 0-3                          | 0        |
|                                     | 15      | 0         | 11.34                 | 11.46                 | 11.62                 |                              | 0        |

**Table 8-184**  
**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         | 11.52                 | 11.48                 | 11.88                 | 0                            | 0        |
|                                       | 1       | 2         | 11.44                 | 11.46                 | 11.85                 |                              | 0        |
|                                       | 1       | 5         | 11.47                 | 11.45                 | 11.74                 |                              | 0        |
|                                       | 3       | 0         | 11.38                 | 11.39                 | 11.70                 |                              | 0        |
|                                       | 3       | 2         | 11.37                 | 11.35                 | 11.69                 |                              | 0        |
|                                       | 3       | 3         | 11.40                 | 11.35                 | 11.70                 | 0                            |          |
|                                       | 6       | 0         | 11.39                 | 11.36                 | 11.71                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 11.50                 | 11.58                 | 11.78                 | 0-1                          | 0        |
|                                       | 1       | 2         | 11.47                 | 11.68                 | 11.76                 |                              | 0        |
|                                       | 1       | 5         | 11.50                 | 11.69                 | 11.77                 |                              | 0        |
|                                       | 3       | 0         | 11.52                 | 11.53                 | 11.80                 |                              | 0        |
|                                       | 3       | 2         | 11.36                 | 11.46                 | 11.76                 |                              | 0        |
|                                       | 3       | 3         | 11.46                 | 11.43                 | 11.76                 | 0                            |          |
|                                       | 6       | 0         | 11.39                 | 11.51                 | 11.70                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 11.41                 | 11.35                 | 11.81                 | 0-2                          | 0        |
|                                       | 1       | 2         | 11.13                 | 11.48                 | 11.81                 |                              | 0        |
|                                       | 1       | 5         | 11.54                 | 11.54                 | 11.80                 |                              | 0        |
|                                       | 3       | 0         | 11.25                 | 11.41                 | 11.66                 |                              | 0        |
|                                       | 3       | 2         | 11.33                 | 11.41                 | 11.74                 |                              | 0        |
|                                       | 3       | 3         | 11.34                 | 11.44                 | 11.76                 | 0                            |          |
|                                       | 6       | 0         | 11.26                 | 11.39                 | 11.62                 | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 138 of 297                 |

**Table 8-185**  
**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         | 13.67                 | 13.83                 | 13.78                 | 0                            | 0        |
|                                      | 1       | 50        | 13.60                 | 13.59                 | 13.58                 |                              | 0        |
|                                      | 1       | 99        | 13.81                 | 13.87                 | 13.88                 |                              | 0        |
|                                      | 50      | 0         | 13.51                 | 13.74                 | 13.74                 | 0-1                          | 0        |
|                                      | 50      | 25        | 13.61                 | 13.52                 | 13.66                 |                              | 0        |
|                                      | 50      | 50        | 13.60                 | 13.73                 | 13.81                 |                              | 0        |
|                                      | 100     | 0         | 13.65                 | 13.53                 | 13.69                 |                              | 0        |
| 16QAM                                | 1       | 0         | 13.34                 | 13.45                 | 13.72                 | 0-1                          | 0        |
|                                      | 1       | 50        | 13.23                 | 13.12                 | 13.44                 |                              | 0        |
|                                      | 1       | 99        | 13.46                 | 13.69                 | 13.82                 |                              | 0        |
|                                      | 50      | 0         | 13.01                 | 13.15                 | 13.37                 | 0-2                          | 0        |
|                                      | 50      | 25        | 13.11                 | 13.01                 | 13.38                 |                              | 0        |
|                                      | 50      | 50        | 13.23                 | 13.25                 | 13.35                 |                              | 0        |
|                                      | 100     | 0         | 13.14                 | 13.00                 | 13.22                 |                              | 0        |
| 64QAM                                | 1       | 0         | 13.11                 | 13.51                 | 13.66                 | 0-2                          | 0        |
|                                      | 1       | 50        | 13.10                 | 13.24                 | 13.37                 |                              | 0        |
|                                      | 1       | 99        | 13.47                 | 13.69                 | 13.86                 |                              | 0        |
|                                      | 50      | 0         | 13.03                 | 13.20                 | 13.36                 | 0-3                          | 0        |
|                                      | 50      | 25        | 13.15                 | 13.00                 | 13.22                 |                              | 0        |
|                                      | 50      | 50        | 13.32                 | 13.28                 | 13.37                 |                              | 0        |
|                                      | 100     | 0         | 13.19                 | 13.02                 | 13.28                 |                              | 0        |

**Table 8-186**  
**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         | 13.40                 | 13.58                 | 13.57                 | 0                            | 0        |
|                                      | 1       | 36        | 13.48                 | 13.48                 | 13.54                 |                              | 0        |
|                                      | 1       | 74        | 13.52                 | 13.68                 | 13.80                 |                              | 0        |
|                                      | 36      | 0         | 13.35                 | 13.43                 | 13.65                 | 0-1                          | 0        |
|                                      | 36      | 18        | 13.53                 | 13.39                 | 13.66                 |                              | 0        |
|                                      | 36      | 37        | 13.48                 | 13.47                 | 13.76                 |                              | 0        |
|                                      | 75      | 0         | 13.52                 | 13.32                 | 13.66                 |                              | 0        |
| 16QAM                                | 1       | 0         | 13.07                 | 13.21                 | 13.53                 | 0-1                          | 0        |
|                                      | 1       | 36        | 13.15                 | 13.31                 | 13.42                 |                              | 0        |
|                                      | 1       | 74        | 13.24                 | 13.60                 | 13.64                 |                              | 0        |
|                                      | 36      | 0         | 13.03                 | 13.14                 | 13.45                 | 0-2                          | 0        |
|                                      | 36      | 18        | 13.20                 | 13.08                 | 13.43                 |                              | 0        |
|                                      | 36      | 37        | 13.22                 | 13.26                 | 13.53                 |                              | 0        |
|                                      | 75      | 0         | 13.21                 | 13.05                 | 13.40                 |                              | 0        |
| 64QAM                                | 1       | 0         | 13.22                 | 13.36                 | 13.65                 | 0-2                          | 0        |
|                                      | 1       | 36        | 13.33                 | 13.34                 | 13.63                 |                              | 0        |
|                                      | 1       | 74        | 13.41                 | 13.28                 | 13.96                 |                              | 0        |
|                                      | 36      | 0         | 13.06                 | 13.20                 | 13.41                 | 0-3                          | 0        |
|                                      | 36      | 18        | 13.26                 | 13.13                 | 13.45                 |                              | 0        |
|                                      | 36      | 37        | 13.24                 | 13.24                 | 13.63                 |                              | 0        |
|                                      | 75      | 0         | 13.28                 | 13.04                 | 13.43                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 139 of 297                        |

**Table 8-187**  
**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         | 13.34                 | 13.50                 | 13.48                 | 0                            | 0        |   |
|                                      | 1       | 25        | 13.25                 | 13.26                 | 13.61                 |                              | 0        |   |
|                                      | 1       | 49        | 13.42                 | 13.52                 | 13.82                 |                              | 0        |   |
|                                      | 25      | 0         | 13.39                 | 13.48                 | 13.59                 | 0-1                          | 0        |   |
|                                      | 25      | 12        | 13.34                 | 13.38                 | 13.73                 |                              | 0        |   |
|                                      | 25      | 25        | 13.45                 | 13.46                 | 13.84                 |                              | 0        |   |
| 16QAM                                | 50      | 0         | 13.36                 | 13.31                 | 13.74                 | 0-1                          | 0        |   |
|                                      | 1       | 0         | 13.17                 | 13.38                 | 13.41                 |                              | 0-1      | 0 |
|                                      | 1       | 25        | 13.21                 | 13.12                 | 13.51                 |                              |          | 0 |
|                                      | 1       | 49        | 13.08                 | 13.41                 | 13.63                 | 0-2                          | 0        |   |
|                                      | 25      | 0         | 13.09                 | 13.23                 | 13.31                 |                              | 0        |   |
|                                      | 25      | 12        | 13.03                 | 13.13                 | 13.51                 |                              | 0        |   |
| 25                                   | 25      | 13.16     | 13.19                 | 13.55                 | 0                     |                              |          |   |
| 64QAM                                | 50      | 0         | 13.02                 | 13.12                 | 13.51                 | 0-2                          | 0        |   |
|                                      | 1       | 0         | 13.35                 | 13.49                 | 13.63                 |                              | 0-2      | 0 |
|                                      | 1       | 25        | 13.02                 | 13.29                 | 13.77                 |                              |          | 0 |
|                                      | 1       | 49        | 13.18                 | 13.34                 | 13.95                 | 0-3                          | 0        |   |
|                                      | 25      | 0         | 13.08                 | 13.26                 | 13.42                 |                              | 0        |   |
|                                      | 25      | 12        | 13.00                 | 13.20                 | 13.58                 |                              | 0        |   |
| 25                                   | 25      | 13.18     | 13.27                 | 13.64                 | 0                     |                              |          |   |
|                                      | 50      | 0         | 13.07                 | 13.14                 | 13.59                 |                              | 0        |   |

**Table 8-188**  
**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         | 13.40                 | 13.43                 | 13.51                 | 0                            | 0        |
|                                     | 1       | 12        | 13.42                 | 13.24                 | 13.61                 |                              | 0        |
|                                     | 1       | 24        | 13.36                 | 13.41                 | 13.71                 |                              | 0        |
|                                     | 12      | 0         | 13.41                 | 13.39                 | 13.66                 | 0-1                          | 0        |
|                                     | 12      | 6         | 13.39                 | 13.36                 | 13.74                 |                              | 0        |
|                                     | 12      | 13        | 13.27                 | 13.34                 | 13.85                 |                              | 0        |
| 16QAM                               | 25      | 0         | 13.38                 | 13.34                 | 13.77                 | 0-1                          | 0        |
|                                     | 1       | 0         | 13.15                 | 13.40                 | 13.54                 |                              | 0        |
|                                     | 1       | 12        | 13.24                 | 13.13                 | 13.44                 |                              | 0        |
|                                     | 1       | 24        | 13.16                 | 13.31                 | 13.61                 | 0-2                          | 0        |
|                                     | 12      | 0         | 13.03                 | 13.21                 | 13.45                 |                              | 0        |
|                                     | 12      | 6         | 13.09                 | 13.18                 | 13.50                 |                              | 0        |
| 64QAM                               | 12      | 13        | 13.01                 | 13.22                 | 13.55                 | 0-2                          | 0        |
|                                     | 25      | 0         | 13.11                 | 13.11                 | 13.46                 |                              | 0        |
|                                     | 1       | 0         | 13.42                 | 13.41                 | 13.61                 |                              | 0-2      |
|                                     | 1       | 12        | 13.42                 | 13.39                 | 13.57                 | 0                            |          |
|                                     | 1       | 24        | 13.31                 | 13.39                 | 13.70                 | 0                            |          |
|                                     | 12      | 0         | 13.23                 | 13.22                 | 13.48                 | 0-3                          | 0        |
| 12                                  | 6       | 13.12     | 13.21                 | 13.53                 | 0                     |                              |          |
| 12                                  | 13      | 13.06     | 13.18                 | 13.64                 | 0                     |                              |          |
|                                     | 25      | 0         | 13.15                 | 13.22                 | 13.48                 |                              | 0        |

|                                         |                                                                                                                  |                            |  |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  |  | Page 140 of 297                 |

**Table 8-189**  
**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         | 13.18                 | 13.25                 | 13.56                 | 0                            | 0        |
|                                     | 1       | 7         | 13.33                 | 13.21                 | 13.70                 |                              | 0        |
|                                     | 1       | 14        | 13.23                 | 13.24                 | 13.59                 |                              | 0        |
|                                     | 8       | 0         | 13.29                 | 13.32                 | 13.70                 | 0-1                          | 0        |
|                                     | 8       | 4         | 13.32                 | 13.23                 | 13.79                 |                              | 0        |
|                                     | 8       | 7         | 13.29                 | 13.26                 | 13.76                 |                              | 0        |
| 16QAM                               | 15      | 0         | 13.33                 | 13.27                 | 13.82                 | 0-1                          | 0        |
|                                     | 1       | 0         | 13.37                 | 13.43                 | 13.81                 |                              | 0        |
|                                     | 1       | 7         | 13.43                 | 13.36                 | 13.85                 |                              | 0        |
|                                     | 1       | 14        | 13.30                 | 13.50                 | 13.86                 | 0-2                          | 0        |
|                                     | 8       | 0         | 13.43                 | 13.39                 | 13.78                 |                              | 0        |
|                                     | 8       | 4         | 13.51                 | 13.32                 | 13.88                 |                              | 0        |
| 64QAM                               | 8       | 7         | 13.52                 | 13.32                 | 13.88                 | 0-2                          | 0        |
|                                     | 15      | 0         | 13.47                 | 13.33                 | 13.90                 |                              | 0        |
|                                     | 1       | 0         | 13.17                 | 13.31                 | 13.58                 |                              | 0-2      |
|                                     | 1       | 7         | 13.09                 | 13.35                 | 13.70                 | 0                            |          |
|                                     | 1       | 14        | 13.08                 | 13.34                 | 13.51                 | 0                            |          |
|                                     | 8       | 0         | 13.02                 | 13.20                 | 13.46                 | 0-3                          | 0        |
| 8                                   | 4       | 13.09     | 13.19                 | 13.56                 | 0                     |                              |          |
| 8                                   | 7       | 13.03     | 13.23                 | 13.53                 | 0                     |                              |          |
|                                     | 15      | 0         | 13.06                 | 13.21                 | 13.58                 |                              | 0        |

**Table 8-190**  
**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         | 13.32                 | 13.26                 | 13.98                 | 0                            | 0        |
|                                       | 1       | 2         | 13.31                 | 13.25                 | 13.90                 |                              | 0        |
|                                       | 1       | 5         | 13.40                 | 13.20                 | 13.94                 |                              | 0        |
|                                       | 3       | 0         | 13.33                 | 13.28                 | 13.79                 |                              | 0        |
|                                       | 3       | 2         | 13.35                 | 13.19                 | 13.79                 |                              | 0        |
|                                       | 3       | 3         | 13.39                 | 13.19                 | 13.80                 |                              | 0        |
|                                       | 6       | 0         | 13.34                 | 13.22                 | 13.80                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 13.60                 | 13.59                 | 13.95                 | 0-1                          | 0        |
|                                       | 1       | 2         | 13.35                 | 13.51                 | 14.00                 |                              | 0        |
|                                       | 1       | 5         | 13.52                 | 13.44                 | 13.99                 |                              | 0        |
|                                       | 3       | 0         | 13.45                 | 13.50                 | 13.84                 |                              | 0        |
|                                       | 3       | 2         | 13.45                 | 13.41                 | 13.79                 |                              | 0        |
|                                       | 3       | 3         | 13.49                 | 13.39                 | 13.86                 |                              | 0        |
|                                       | 6       | 0         | 13.42                 | 13.37                 | 13.84                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 13.12                 | 13.16                 | 13.77                 | 0-2                          | 0        |
|                                       | 1       | 2         | 13.15                 | 13.11                 | 13.72                 |                              | 0        |
|                                       | 1       | 5         | 13.16                 | 13.18                 | 13.73                 |                              | 0        |
|                                       | 3       | 0         | 13.02                 | 13.08                 | 13.68                 |                              | 0        |
|                                       | 3       | 2         | 13.00                 | 13.04                 | 13.66                 |                              | 0        |
|                                       | 3       | 3         | 13.02                 | 13.06                 | 13.67                 |                              | 0        |
|                                       | 6       | 0         | 13.00                 | 13.01                 | 13.59                 | 0-3                          | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 141 of 297                        |

Table 8-191

## 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         | 10.78                 | 10.88                 | 11.00                 | 0                            | 0        |
|                                      | 1       | 50        | 10.83                 | 10.74                 | 10.91                 |                              | 0        |
|                                      | 1       | 99        | 10.96                 | 10.94                 | 10.93                 |                              | 0        |
|                                      | 50      | 0         | 10.92                 | 10.97                 | 10.99                 | 0-1                          | 0        |
|                                      | 50      | 25        | 10.82                 | 10.88                 | 10.86                 |                              | 0        |
|                                      | 50      | 50        | 10.98                 | 10.98                 | 10.95                 |                              | 0        |
| 16QAM                                | 100     | 0         | 10.92                 | 10.89                 | 10.96                 | 0-1                          | 0        |
|                                      | 1       | 0         | 10.84                 | 10.93                 | 11.00                 |                              | 0        |
|                                      | 1       | 50        | 10.74                 | 10.69                 | 10.97                 |                              | 0        |
|                                      | 1       | 99        | 10.91                 | 10.99                 | 10.99                 | 0-2                          | 0        |
|                                      | 50      | 0         | 10.50                 | 10.53                 | 10.72                 |                              | 0        |
|                                      | 50      | 25        | 10.47                 | 10.49                 | 10.58                 |                              | 0        |
| 64QAM                                | 50      | 50        | 10.50                 | 10.66                 | 10.70                 | 0-2                          | 0        |
|                                      | 100     | 0         | 10.49                 | 10.41                 | 10.57                 |                              | 0        |
|                                      | 1       | 0         | 10.65                 | 10.90                 | 10.92                 |                              | 0-2      |
|                                      | 1       | 50        | 10.54                 | 10.68                 | 10.84                 | 0                            |          |
|                                      | 1       | 99        | 10.91                 | 10.96                 | 10.80                 | 0                            |          |
|                                      | 64QAM   | 50        | 0                     | 10.36                 | 10.60                 | 10.73                        | 0-3      |
| 50                                   |         | 25        | 10.42                 | 10.39                 | 10.48                 | 0                            |          |
| 50                                   |         | 50        | 10.59                 | 10.57                 | 10.60                 | 0                            |          |
| 100                                  |         | 0         | 10.48                 | 10.41                 | 10.51                 | 0                            |          |

Table 8-192

## 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         | 10.55                 | 10.63                 | 10.79                 | 0                            | 0        |
|                                      | 1       | 36        | 10.47                 | 10.49                 | 10.68                 |                              | 0        |
|                                      | 1       | 74        | 10.64                 | 10.84                 | 10.65                 |                              | 0        |
|                                      | 36      | 0         | 10.58                 | 10.58                 | 10.75                 | 0-1                          | 0        |
|                                      | 36      | 18        | 10.57                 | 10.60                 | 10.78                 |                              | 0        |
|                                      | 36      | 37        | 10.62                 | 10.78                 | 10.74                 |                              | 0        |
| 16QAM                                | 75      | 0         | 10.60                 | 10.58                 | 10.81                 | 0-1                          | 0        |
|                                      | 1       | 0         | 10.58                 | 10.69                 | 10.96                 |                              | 0        |
|                                      | 1       | 36        | 10.53                 | 10.62                 | 10.78                 |                              | 0        |
|                                      | 1       | 74        | 10.79                 | 10.90                 | 10.76                 | 0-2                          | 0        |
|                                      | 36      | 0         | 10.59                 | 10.58                 | 10.72                 |                              | 0        |
|                                      | 36      | 18        | 10.59                 | 10.59                 | 10.75                 |                              | 0        |
| 64QAM                                | 36      | 37        | 10.63                 | 10.81                 | 10.71                 | 0-2                          | 0        |
|                                      | 75      | 0         | 10.57                 | 10.59                 | 10.79                 |                              | 0        |
|                                      | 1       | 0         | 10.52                 | 10.81                 | 10.88                 |                              | 0-2      |
|                                      | 1       | 36        | 10.49                 | 10.69                 | 10.82                 | 0                            |          |
|                                      | 1       | 74        | 10.63                 | 10.87                 | 10.70                 | 0                            |          |
|                                      | 64QAM   | 36        | 0                     | 10.32                 | 10.53                 | 10.58                        | 0-3      |
| 36                                   |         | 18        | 10.38                 | 10.52                 | 10.62                 | 0                            |          |
| 36                                   |         | 37        | 10.48                 | 10.63                 | 10.55                 | 0                            |          |
| 75                                   |         | 0         | 10.51                 | 10.49                 | 10.62                 | 0                            |          |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 142 of 297                 |

Table 8-193

## 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         | 10.61                 | 10.60                 | 10.72                 | 0                            | 0        |
|                                      | 1       | 25        | 10.51                 | 10.51                 | 10.75                 |                              | 0        |
|                                      | 1       | 49        | 10.54                 | 10.81                 | 10.59                 |                              | 0        |
|                                      | 25      | 0         | 10.66                 | 10.61                 | 10.82                 | 0-1                          | 0        |
|                                      | 25      | 12        | 10.62                 | 10.61                 | 10.85                 |                              | 0        |
|                                      | 25      | 25        | 10.67                 | 10.75                 | 10.76                 |                              | 0        |
| 16QAM                                | 50      | 0         | 10.64                 | 10.61                 | 10.89                 | 0-1                          | 0        |
|                                      | 1       | 0         | 10.91                 | 10.86                 | 10.72                 |                              | 0        |
|                                      | 1       | 25        | 10.65                 | 10.59                 | 10.84                 |                              | 0        |
|                                      | 1       | 49        | 10.69                 | 10.94                 | 10.77                 | 0-2                          | 0        |
|                                      | 25      | 0         | 10.65                 | 10.61                 | 10.81                 |                              | 0        |
|                                      | 25      | 12        | 10.62                 | 10.63                 | 10.85                 |                              | 0        |
| 64QAM                                | 25      | 25        | 10.66                 | 10.73                 | 10.74                 | 0-2                          | 0        |
|                                      | 50      | 0         | 10.66                 | 10.59                 | 10.87                 |                              | 0        |
|                                      | 1       | 0         | 10.67                 | 10.70                 | 10.88                 |                              | 0-2      |
|                                      | 1       | 25        | 10.50                 | 10.50                 | 10.92                 | 0                            |          |
|                                      | 1       | 49        | 10.47                 | 10.71                 | 10.64                 | 0-3                          |          |
|                                      | 25      | 0         | 10.41                 | 10.43                 | 10.69                 |                              | 0        |
| 25                                   | 12      | 10.37     | 10.37                 | 10.71                 | 0                     |                              |          |
| 64QAM                                | 25      | 25        | 10.33                 | 10.49                 | 10.56                 | 0-3                          | 0        |
|                                      | 50      | 0         | 10.38                 | 10.39                 | 10.73                 |                              | 0        |

Table 8-194

## 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         | 10.41                 | 10.61                 | 10.60                 | 0                            | 0        |
|                                     | 1       | 12        | 10.37                 | 10.61                 | 10.58                 |                              | 0        |
|                                     | 1       | 24        | 10.32                 | 10.72                 | 10.60                 |                              | 0        |
|                                     | 12      | 0         | 10.53                 | 10.69                 | 10.74                 | 0-1                          | 0        |
|                                     | 12      | 6         | 10.51                 | 10.67                 | 10.74                 |                              | 0        |
|                                     | 12      | 13        | 10.51                 | 10.79                 | 10.76                 |                              | 0        |
| 16QAM                               | 25      | 0         | 10.53                 | 10.72                 | 10.78                 | 0-1                          | 0        |
|                                     | 1       | 0         | 10.66                 | 10.72                 | 10.81                 |                              | 0        |
|                                     | 1       | 12        | 10.48                 | 10.77                 | 10.77                 |                              | 0        |
|                                     | 1       | 24        | 10.65                 | 10.84                 | 10.68                 | 0-2                          | 0        |
|                                     | 12      | 0         | 10.55                 | 10.71                 | 10.75                 |                              | 0        |
|                                     | 12      | 6         | 10.55                 | 10.78                 | 10.75                 |                              | 0        |
| 64QAM                               | 12      | 13        | 10.44                 | 10.83                 | 10.73                 | 0-2                          | 0        |
|                                     | 25      | 0         | 10.55                 | 10.69                 | 10.75                 |                              | 0        |
|                                     | 1       | 0         | 10.61                 | 10.69                 | 10.67                 |                              | 0-2      |
|                                     | 1       | 12        | 10.59                 | 10.64                 | 10.45                 | 0                            |          |
|                                     | 1       | 24        | 10.58                 | 10.79                 | 10.51                 | 0                            |          |
|                                     | 12      | 0         | 10.46                 | 10.52                 | 10.35                 | 0-3                          | 0        |
| 12                                  | 6       | 10.45     | 10.48                 | 10.37                 | 0                     |                              |          |
| 12                                  | 13      | 10.44     | 10.52                 | 10.44                 | 0                     |                              |          |
|                                     | 25      | 0         | 10.45                 | 10.40                 | 10.40                 |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 143 of 297                 |

**Table 8-195**  
**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         | 10.58                 | 10.46                 | 10.52                 | 0                            | 0        |
|                                     | 1       | 7         | 10.62                 | 10.52                 | 10.59                 |                              | 0        |
|                                     | 1       | 14        | 10.52                 | 10.55                 | 10.57                 |                              | 0        |
|                                     | 8       | 0         | 10.70                 | 10.60                 | 10.68                 | 0-1                          | 0        |
|                                     | 8       | 4         | 10.66                 | 10.59                 | 10.67                 |                              | 0        |
|                                     | 8       | 7         | 10.63                 | 10.57                 | 10.70                 |                              | 0        |
|                                     | 15      | 0         | 10.67                 | 10.60                 | 10.70                 |                              | 0        |
| 16QAM                               | 1       | 0         | 10.76                 | 10.61                 | 10.60                 | 0-1                          | 0        |
|                                     | 1       | 7         | 10.84                 | 10.50                 | 10.79                 |                              | 0        |
|                                     | 1       | 14        | 10.65                 | 10.64                 | 10.76                 |                              | 0        |
|                                     | 8       | 0         | 10.74                 | 10.61                 | 10.71                 | 0-2                          | 0        |
|                                     | 8       | 4         | 10.70                 | 10.60                 | 10.67                 |                              | 0        |
|                                     | 8       | 7         | 10.69                 | 10.58                 | 10.70                 |                              | 0        |
|                                     | 15      | 0         | 10.67                 | 10.66                 | 10.67                 |                              | 0        |
| 64QAM                               | 1       | 0         | 10.53                 | 10.56                 | 10.62                 | 0-2                          | 0        |
|                                     | 1       | 7         | 10.54                 | 10.55                 | 10.66                 |                              | 0        |
|                                     | 1       | 14        | 10.49                 | 10.60                 | 10.71                 |                              | 0        |
|                                     | 8       | 0         | 10.40                 | 10.45                 | 10.49                 | 0-3                          | 0        |
|                                     | 8       | 4         | 10.39                 | 10.44                 | 10.48                 |                              | 0        |
|                                     | 8       | 7         | 10.39                 | 10.46                 | 10.48                 |                              | 0        |
|                                     | 15      | 0         | 10.40                 | 10.45                 | 10.47                 |                              | 0        |

**Table 8-196**  
**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         | 10.70                 | 10.84                 | 10.77                 | 0                            | 0        |
|                                       | 1       | 2         | 10.64                 | 10.76                 | 10.70                 |                              | 0        |
|                                       | 1       | 5         | 10.66                 | 10.69                 | 10.73                 |                              | 0        |
|                                       | 3       | 0         | 10.60                 | 10.61                 | 10.63                 |                              | 0        |
|                                       | 3       | 2         | 10.59                 | 10.61                 | 10.64                 |                              | 0        |
|                                       | 3       | 3         | 10.58                 | 10.62                 | 10.62                 |                              | 0        |
|                                       | 6       | 0         | 10.60                 | 10.64                 | 10.64                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 10.85                 | 10.95                 | 10.84                 | 0-1                          | 0        |
|                                       | 1       | 2         | 10.77                 | 10.91                 | 10.82                 |                              | 0        |
|                                       | 1       | 5         | 10.71                 | 10.94                 | 10.81                 |                              | 0        |
|                                       | 3       | 0         | 10.62                 | 10.69                 | 10.73                 |                              | 0        |
|                                       | 3       | 2         | 10.61                 | 10.64                 | 10.70                 |                              | 0        |
|                                       | 3       | 3         | 10.70                 | 10.63                 | 10.72                 |                              | 0        |
|                                       | 6       | 0         | 10.62                 | 10.70                 | 10.69                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 10.59                 | 10.71                 | 10.79                 | 0-2                          | 0        |
|                                       | 1       | 2         | 10.51                 | 10.67                 | 10.79                 |                              | 0        |
|                                       | 1       | 5         | 10.59                 | 10.70                 | 10.75                 |                              | 0        |
|                                       | 3       | 0         | 10.49                 | 10.59                 | 10.71                 |                              | 0        |
|                                       | 3       | 2         | 10.49                 | 10.55                 | 10.69                 |                              | 0        |
|                                       | 3       | 3         | 10.50                 | 10.58                 | 10.62                 |                              | 0        |
|                                       | 6       | 0         | 10.42                 | 10.51                 | 10.64                 | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 144 of 297                 |

**Table 8-197**  
**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         | 14.58                 | 14.71                 | 14.47                 | 0                            | 0        |
|                                      | 1       | 50        | 14.36                 | 14.67                 | 14.63                 |                              | 0        |
|                                      | 1       | 99        | 14.46                 | 14.60                 | 14.42                 |                              | 0        |
|                                      | 50      | 0         | 14.28                 | 14.72                 | 14.59                 | 0-1                          | 0        |
|                                      | 50      | 25        | 14.26                 | 14.63                 | 14.71                 |                              | 0        |
|                                      | 50      | 50        | 14.36                 | 14.62                 | 14.50                 |                              | 0        |
| 16QAM                                | 100     | 0         | 14.33                 | 14.63                 | 14.70                 | 0-1                          | 0        |
|                                      | 1       | 0         | 14.33                 | 14.67                 | 14.43                 |                              | 0        |
|                                      | 1       | 50        | 14.29                 | 14.68                 | 14.68                 |                              | 0        |
|                                      | 1       | 99        | 14.44                 | 14.68                 | 14.54                 | 0-2                          | 0        |
|                                      | 50      | 0         | 14.08                 | 14.37                 | 14.38                 |                              | 0        |
|                                      | 50      | 25        | 14.12                 | 14.30                 | 14.50                 |                              | 0        |
| 64QAM                                | 50      | 50        | 14.21                 | 14.31                 | 14.35                 | 0-2                          | 0        |
|                                      | 100     | 0         | 14.13                 | 14.29                 | 14.38                 |                              | 0        |
|                                      | 1       | 0         | 14.42                 | 14.30                 | 14.59                 |                              | 0-2      |
|                                      | 1       | 50        | 14.35                 | 14.27                 | 14.62                 | 0                            |          |
|                                      | 1       | 99        | 14.26                 | 14.09                 | 14.69                 | 0                            |          |
|                                      | 64QAM   | 50        | 0                     | 14.19                 | 14.13                 | 14.55                        | 0-3      |
| 50                                   |         | 25        | 14.19                 | 14.18                 | 14.34                 | 0                            |          |
| 50                                   |         | 50        | 14.15                 | 14.13                 | 14.26                 | 0                            |          |
| 100                                  |         | 0         | 14.14                 | 14.09                 | 14.26                 | 0                            |          |

**Table 8-198**  
**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         | 14.56                 | 14.61                 | 14.63                 | 0                            | 0        |
|                                      | 1       | 36        | 14.44                 | 14.54                 | 14.71                 |                              | 0        |
|                                      | 1       | 74        | 14.63                 | 14.69                 | 14.67                 |                              | 0        |
|                                      | 36      | 0         | 14.55                 | 14.56                 | 14.76                 | 0-1                          | 0        |
|                                      | 36      | 18        | 14.52                 | 14.52                 | 14.77                 |                              | 0        |
|                                      | 36      | 37        | 14.54                 | 14.48                 | 14.60                 |                              | 0        |
| 16QAM                                | 75      | 0         | 14.50                 | 14.46                 | 14.68                 | 0-1                          | 0        |
|                                      | 1       | 0         | 14.75                 | 14.40                 | 14.45                 |                              | 0        |
|                                      | 1       | 36        | 14.70                 | 14.41                 | 14.62                 |                              | 0        |
|                                      | 1       | 74        | 14.74                 | 14.38                 | 14.60                 | 0-2                          | 0        |
|                                      | 36      | 0         | 14.10                 | 14.15                 | 14.29                 |                              | 0        |
|                                      | 36      | 18        | 14.03                 | 14.05                 | 14.27                 |                              | 0        |
| 64QAM                                | 36      | 37        | 14.08                 | 13.93                 | 14.22                 | 0-2                          | 0        |
|                                      | 75      | 0         | 14.03                 | 13.97                 | 14.19                 |                              | 0        |
|                                      | 1       | 0         | 14.58                 | 14.24                 | 14.63                 |                              | 0-2      |
|                                      | 1       | 36        | 14.36                 | 14.10                 | 14.72                 | 0                            |          |
|                                      | 1       | 74        | 14.53                 | 14.19                 | 14.65                 | 0                            |          |
|                                      | 64QAM   | 36        | 0                     | 14.14                 | 14.23                 | 14.44                        | 0-3      |
| 36                                   |         | 18        | 14.09                 | 14.10                 | 14.41                 | 0                            |          |
| 36                                   |         | 37        | 14.12                 | 14.03                 | 14.18                 | 0                            |          |
| 75                                   |         | 0         | 14.11                 | 14.07                 | 14.43                 | 0                            |          |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 145 of 297                        |

**Table 8-199**  
**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         | 14.26                 | 14.17                 | 14.39                 | 0                            | 0        |
|                                      | 1       | 25        | 14.05                 | 14.02                 | 14.11                 |                              | 0        |
|                                      | 1       | 49        | 14.10                 | 14.05                 | 14.24                 |                              | 0        |
|                                      | 25      | 0         | 14.18                 | 14.20                 | 14.29                 | 0-1                          | 0        |
|                                      | 25      | 12        | 14.14                 | 14.15                 | 14.21                 |                              | 0        |
|                                      | 25      | 25        | 14.15                 | 14.12                 | 14.19                 |                              | 0        |
| 16QAM                                | 50      | 0         | 14.15                 | 14.14                 | 14.21                 | 0-1                          | 0        |
|                                      | 1       | 0         | 14.38                 | 14.35                 | 14.58                 |                              | 0        |
|                                      | 1       | 25        | 14.11                 | 14.22                 | 14.26                 |                              | 0        |
|                                      | 1       | 49        | 14.23                 | 14.14                 | 14.40                 | 0-2                          | 0        |
|                                      | 25      | 0         | 14.18                 | 14.20                 | 14.28                 |                              | 0        |
|                                      | 25      | 12        | 14.13                 | 14.17                 | 14.19                 |                              | 0        |
| 64QAM                                | 25      | 25        | 14.15                 | 14.15                 | 14.17                 | 0-2                          | 0        |
|                                      | 50      | 0         | 14.15                 | 14.14                 | 14.20                 |                              | 0        |
|                                      | 1       | 0         | 14.45                 | 14.54                 | 14.77                 |                              | 0-2      |
|                                      | 1       | 25        | 14.28                 | 14.32                 | 14.51                 | 0                            |          |
|                                      | 1       | 49        | 14.25                 | 14.31                 | 14.61                 | 0                            |          |
|                                      | 64QAM   | 25        | 0                     | 14.21                 | 14.20                 | 14.31                        | 0-3      |
| 25                                   |         | 12        | 14.18                 | 14.17                 | 14.23                 | 0                            |          |
| 25                                   |         | 25        | 14.18                 | 14.12                 | 14.21                 | 0                            |          |
| 50                                   |         | 0         | 14.17                 | 14.15                 | 14.20                 |                              | 0        |

**Table 8-200**  
**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         | 14.23                 | 14.20                 | 14.02                 | 0                            | 0        |
|                                     | 1       | 12        | 14.13                 | 14.06                 | 13.98                 |                              | 0        |
|                                     | 1       | 24        | 14.01                 | 14.12                 | 14.21                 |                              | 0        |
|                                     | 12      | 0         | 14.21                 | 14.14                 | 14.15                 | 0-1                          | 0        |
|                                     | 12      | 6         | 14.13                 | 14.12                 | 14.11                 |                              | 0        |
|                                     | 12      | 13        | 14.05                 | 14.09                 | 14.21                 |                              | 0        |
| 16QAM                               | 25      | 0         | 14.15                 | 14.12                 | 14.15                 | 0-1                          | 0        |
|                                     | 1       | 0         | 14.44                 | 14.35                 | 14.31                 |                              | 0        |
|                                     | 1       | 12        | 14.34                 | 14.21                 | 14.06                 |                              | 0        |
|                                     | 1       | 24        | 14.36                 | 14.20                 | 14.36                 | 0-2                          | 0        |
|                                     | 12      | 0         | 14.27                 | 14.18                 | 14.18                 |                              | 0        |
|                                     | 12      | 6         | 14.15                 | 14.07                 | 14.13                 |                              | 0        |
| 64QAM                               | 12      | 13        | 14.13                 | 14.08                 | 14.19                 | 0-2                          | 0        |
|                                     | 25      | 0         | 14.15                 | 14.05                 | 14.12                 |                              | 0        |
|                                     | 1       | 0         | 14.31                 | 14.39                 | 14.25                 |                              | 0-2      |
|                                     | 1       | 12        | 14.31                 | 14.26                 | 14.42                 | 0                            |          |
|                                     | 1       | 24        | 14.16                 | 14.32                 | 14.53                 | 0                            |          |
|                                     | 12      | 0         | 14.28                 | 14.17                 | 14.13                 | 0-3                          | 0        |
| 12                                  | 6       | 14.18     | 14.05                 | 14.14                 | 0                     |                              |          |
| 12                                  | 13      | 14.12     | 14.03                 | 14.23                 | 0                     |                              |          |
|                                     | 25      | 0         | 14.14                 | 14.07                 | 14.12                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 146 of 297                        |

**Table 8-201**  
**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         | 14.19                 | 13.97                 | 14.03                 | 0                            | 0        |
|                                     | 1       | 7         | 14.22                 | 13.91                 | 14.16                 |                              | 0        |
|                                     | 1       | 14        | 14.11                 | 13.87                 | 14.23                 |                              | 0        |
|                                     | 8       | 0         | 14.33                 | 14.04                 | 14.12                 | 0-1                          | 0        |
|                                     | 8       | 4         | 14.26                 | 13.95                 | 14.23                 |                              | 0        |
|                                     | 8       | 7         | 14.19                 | 13.96                 | 14.27                 |                              | 0        |
|                                     | 15      | 0         | 14.28                 | 14.00                 | 14.23                 |                              | 0        |
| 16QAM                               | 1       | 0         | 14.31                 | 14.08                 | 14.12                 | 0-1                          | 0        |
|                                     | 1       | 7         | 14.41                 | 14.16                 | 14.21                 |                              | 0        |
|                                     | 1       | 14        | 14.33                 | 14.03                 | 14.40                 |                              | 0        |
|                                     | 8       | 0         | 14.36                 | 14.06                 | 14.18                 | 0-2                          | 0        |
|                                     | 8       | 4         | 14.35                 | 13.96                 | 14.29                 |                              | 0        |
|                                     | 8       | 7         | 14.26                 | 14.00                 | 14.32                 |                              | 0        |
|                                     | 15      | 0         | 14.30                 | 14.01                 | 14.28                 |                              | 0        |
| 64QAM                               | 1       | 0         | 14.43                 | 14.30                 | 14.42                 | 0-2                          | 0        |
|                                     | 1       | 7         | 14.40                 | 14.09                 | 14.52                 |                              | 0        |
|                                     | 1       | 14        | 14.40                 | 13.97                 | 14.60                 |                              | 0        |
|                                     | 8       | 0         | 14.41                 | 14.04                 | 14.29                 | 0-3                          | 0        |
|                                     | 8       | 4         | 14.35                 | 14.00                 | 14.30                 |                              | 0        |
|                                     | 8       | 7         | 14.26                 | 13.98                 | 14.34                 |                              | 0        |
|                                     | 15      | 0         | 14.27                 | 14.02                 | 14.29                 |                              | 0        |

**Table 8-202**  
**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         | 14.23                 | 14.02                 | 14.26                 | 0                            | 0        |
|                                       | 1       | 2         | 14.13                 | 13.96                 | 14.22                 |                              | 0        |
|                                       | 1       | 5         | 14.13                 | 14.08                 | 14.50                 |                              | 0        |
|                                       | 3       | 0         | 14.15                 | 14.12                 | 14.30                 |                              | 0        |
|                                       | 3       | 2         | 14.08                 | 14.05                 | 14.21                 |                              | 0        |
|                                       | 3       | 3         | 14.11                 | 14.05                 | 14.23                 |                              | 0        |
|                                       | 6       | 0         | 14.48                 | 14.21                 | 14.29                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 14.22                 | 14.13                 | 14.35                 | 0-1                          | 0        |
|                                       | 1       | 2         | 14.01                 | 13.98                 | 14.07                 |                              | 0        |
|                                       | 1       | 5         | 14.06                 | 14.01                 | 14.20                 |                              | 0        |
|                                       | 3       | 0         | 14.14                 | 14.16                 | 14.25                 |                              | 0        |
|                                       | 3       | 2         | 14.10                 | 14.11                 | 14.17                 |                              | 0        |
|                                       | 3       | 3         | 14.11                 | 14.08                 | 14.15                 |                              | 0        |
|                                       | 6       | 0         | 14.11                 | 14.10                 | 14.17                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 14.37                 | 14.34                 | 14.57                 | 0-2                          | 0        |
|                                       | 1       | 2         | 14.10                 | 14.21                 | 14.25                 |                              | 0        |
|                                       | 1       | 5         | 14.22                 | 14.13                 | 14.39                 |                              | 0        |
|                                       | 3       | 0         | 14.17                 | 14.19                 | 14.27                 |                              | 0        |
|                                       | 3       | 2         | 14.12                 | 14.16                 | 14.18                 |                              | 0        |
|                                       | 3       | 3         | 14.14                 | 14.14                 | 14.16                 |                              | 0        |
|                                       | 6       | 0         | 14.14                 | 14.13                 | 14.19                 | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 147 of 297                 |

Table 8-203

## 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         | 11.25                 | 11.08                 | 11.21                 | 0                            | 0        |
|                                      | 1       | 50        | 10.97                 | 10.94                 | 11.27                 |                              | 0        |
|                                      | 1       | 99        | 11.05                 | 10.97                 | 11.32                 |                              | 0        |
|                                      | 50      | 0         | 10.99                 | 11.13                 | 11.20                 | 0-1                          | 0        |
|                                      | 50      | 25        | 10.96                 | 11.12                 | 11.26                 |                              | 0        |
|                                      | 50      | 50        | 10.94                 | 11.11                 | 11.24                 |                              | 0        |
| 16QAM                                | 100     | 0         | 10.94                 | 11.11                 | 11.24                 | 0-1                          | 0        |
|                                      | 1       | 0         | 11.25                 | 11.50                 | 11.32                 |                              | 0        |
|                                      | 1       | 50        | 11.41                 | 11.35                 | 11.30                 |                              | 0        |
|                                      | 1       | 99        | 11.60                 | 11.30                 | 11.20                 | 0-2                          | 0        |
|                                      | 50      | 0         | 10.94                 | 11.10                 | 11.18                 |                              | 0        |
|                                      | 50      | 25        | 11.00                 | 11.04                 | 11.22                 |                              | 0        |
| 64QAM                                | 50      | 50        | 11.11                 | 11.03                 | 11.04                 | 0-2                          | 0        |
|                                      | 100     | 0         | 11.00                 | 11.02                 | 11.18                 |                              | 0        |
|                                      | 1       | 0         | 11.12                 | 11.32                 | 11.33                 |                              | 0-2      |
|                                      | 1       | 50        | 11.30                 | 11.20                 | 11.35                 | 0                            |          |
|                                      | 1       | 99        | 11.34                 | 11.31                 | 11.27                 | 0                            |          |
|                                      | 50      | 0         | 10.80                 | 11.12                 | 11.14                 | 0-3                          | 0        |
| 50                                   | 25      | 10.82     | 11.08                 | 11.22                 | 0                     |                              |          |
| 50                                   | 50      | 10.90     | 11.12                 | 11.14                 | 0                     |                              |          |
|                                      | 100     | 0         | 10.84                 | 11.11                 | 11.25                 |                              | 0        |

Table 8-204

## 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         | 11.18                 | 10.99                 | 11.10                 | 0                            | 0        |
|                                      | 1       | 36        | 10.93                 | 11.03                 | 10.97                 |                              | 0        |
|                                      | 1       | 74        | 11.05                 | 10.95                 | 10.81                 |                              | 0        |
|                                      | 36      | 0         | 10.90                 | 11.03                 | 11.20                 | 0-1                          | 0        |
|                                      | 36      | 18        | 10.82                 | 11.12                 | 11.07                 |                              | 0        |
|                                      | 36      | 37        | 10.85                 | 11.14                 | 10.91                 |                              | 0        |
|                                      | 75      | 0         | 10.81                 | 11.11                 | 11.08                 |                              | 0        |
| 16QAM                                | 1       | 0         | 11.22                 | 11.22                 | 11.23                 | 0-1                          | 0        |
|                                      | 1       | 36        | 10.99                 | 11.24                 | 11.23                 |                              | 0        |
|                                      | 1       | 74        | 11.24                 | 11.13                 | 10.89                 |                              | 0        |
|                                      | 36      | 0         | 10.92                 | 11.02                 | 11.19                 | 0-2                          | 0        |
|                                      | 36      | 18        | 10.85                 | 11.12                 | 11.08                 |                              | 0        |
|                                      | 36      | 37        | 10.89                 | 11.13                 | 11.04                 |                              | 0        |
|                                      | 75      | 0         | 10.81                 | 11.11                 | 11.15                 |                              | 0        |
| 64QAM                                | 1       | 0         | 11.19                 | 11.19                 | 11.47                 | 0-2                          | 0        |
|                                      | 1       | 36        | 11.07                 | 11.40                 | 11.55                 |                              | 0        |
|                                      | 1       | 74        | 11.02                 | 11.22                 | 11.23                 |                              | 0        |
|                                      | 36      | 0         | 10.88                 | 11.07                 | 11.24                 | 0-3                          | 0        |
|                                      | 36      | 18        | 10.83                 | 11.16                 | 11.18                 |                              | 0        |
|                                      | 36      | 37        | 10.89                 | 11.17                 | 11.07                 |                              | 0        |
|                                      | 75      | 0         | 10.81                 | 11.10                 | 11.12                 |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 148 of 297                 |

Table 8-205

## 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         | 10.92                 | 11.05                 | 11.19                 | 0                            | 0        |
|                                      | 1       | 25        | 10.84                 | 11.02                 | 11.00                 |                              | 0        |
|                                      | 1       | 49        | 10.80                 | 11.05                 | 11.01                 |                              | 0        |
|                                      | 25      | 0         | 10.89                 | 11.09                 | 11.12                 | 0-1                          | 0        |
|                                      | 25      | 12        | 10.88                 | 11.08                 | 11.06                 |                              | 0        |
|                                      | 25      | 25        | 10.84                 | 11.11                 | 11.05                 |                              | 0        |
| 16QAM                                | 50      | 0         | 10.83                 | 11.10                 | 11.06                 | 0-1                          | 0        |
|                                      | 1       | 0         | 11.17                 | 11.26                 | 11.45                 |                              | 0        |
|                                      | 1       | 25        | 10.89                 | 11.25                 | 11.11                 |                              | 0        |
|                                      | 1       | 49        | 10.91                 | 11.13                 | 11.09                 | 0-2                          | 0        |
|                                      | 25      | 0         | 10.89                 | 11.11                 | 11.14                 |                              | 0        |
|                                      | 25      | 12        | 10.82                 | 11.11                 | 11.09                 |                              | 0        |
| 64QAM                                | 25      | 25        | 10.80                 | 11.14                 | 11.04                 | 0-2                          | 0        |
|                                      | 50      | 0         | 10.84                 | 11.15                 | 11.11                 |                              | 0        |
|                                      | 1       | 0         | 11.20                 | 11.30                 | 11.41                 |                              | 0-2      |
|                                      | 1       | 25        | 10.97                 | 11.38                 | 11.61                 | 0                            |          |
|                                      | 1       | 49        | 11.02                 | 11.26                 | 11.70                 | 0-3                          |          |
|                                      | 25      | 0         | 10.96                 | 11.11                 | 11.18                 |                              | 0        |
| 25                                   | 12      | 10.91     | 11.14                 | 11.18                 | 0                     |                              |          |
| 64QAM                                | 25      | 25        | 10.87                 | 11.09                 | 11.21                 | 0-3                          | 0        |
|                                      | 50      | 0         | 10.89                 | 11.14                 | 11.20                 |                              | 0        |

Table 8-206

## 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         | 11.06                 | 11.06                 | 11.14                 | 0                            | 0        |
|                                     | 1       | 12        | 10.96                 | 11.05                 | 11.11                 |                              | 0        |
|                                     | 1       | 24        | 10.84                 | 11.05                 | 11.06                 |                              | 0        |
|                                     | 12      | 0         | 10.98                 | 10.94                 | 11.03                 | 0-1                          | 0        |
|                                     | 12      | 6         | 10.87                 | 10.94                 | 11.05                 |                              | 0        |
|                                     | 12      | 13        | 10.83                 | 10.95                 | 11.04                 |                              | 0        |
| 16QAM                               | 25      | 0         | 10.87                 | 10.97                 | 11.05                 | 0-1                          | 0        |
|                                     | 1       | 0         | 11.22                 | 11.23                 | 11.05                 |                              | 0        |
|                                     | 1       | 12        | 10.98                 | 11.14                 | 11.15                 |                              | 0        |
|                                     | 1       | 24        | 10.95                 | 11.20                 | 11.30                 | 0-2                          | 0        |
|                                     | 12      | 0         | 10.99                 | 11.01                 | 11.08                 |                              | 0        |
|                                     | 12      | 6         | 10.86                 | 11.02                 | 11.08                 |                              | 0        |
| 64QAM                               | 12      | 13        | 10.87                 | 10.95                 | 11.09                 | 0-2                          | 0        |
|                                     | 25      | 0         | 10.93                 | 10.99                 | 11.07                 |                              | 0        |
|                                     | 1       | 0         | 11.16                 | 11.24                 | 11.29                 | 0-2                          | 0        |
|                                     | 1       | 12        | 10.99                 | 11.18                 | 11.33                 |                              | 0        |
|                                     | 1       | 24        | 11.08                 | 11.30                 | 11.42                 | 0-3                          | 0        |
|                                     | 12      | 0         | 11.04                 | 11.01                 | 11.19                 |                              | 0        |
| 12                                  | 6       | 10.97     | 11.03                 | 11.20                 | 0                     |                              |          |
|                                     | 12      | 13        | 10.90                 | 11.03                 | 11.22                 |                              | 0        |
|                                     | 25      | 0         | 10.95                 | 11.07                 | 11.21                 |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 149 of 297                 |

**Table 8-207**  
**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         | 10.95                 | 10.91                 | 11.15                 | 0                            | 0        |
|                                     | 1       | 7         | 10.98                 | 11.02                 | 11.14                 |                              | 0        |
|                                     | 1       | 14        | 10.86                 | 10.96                 | 11.05                 |                              | 0        |
|                                     | 8       | 0         | 11.08                 | 11.05                 | 11.23                 | 0-1                          | 0        |
|                                     | 8       | 4         | 11.04                 | 11.08                 | 11.21                 |                              | 0        |
|                                     | 8       | 7         | 11.01                 | 11.07                 | 11.21                 |                              | 0        |
| 16QAM                               | 15      | 0         | 11.07                 | 11.07                 | 11.21                 | 0-1                          | 0        |
|                                     | 1       | 0         | 11.15                 | 11.14                 | 11.31                 |                              | 0        |
|                                     | 1       | 7         | 11.17                 | 11.36                 | 11.36                 |                              | 0        |
|                                     | 1       | 14        | 11.05                 | 11.07                 | 11.30                 | 0-2                          | 0        |
|                                     | 8       | 0         | 11.13                 | 11.14                 | 11.27                 |                              | 0        |
|                                     | 8       | 4         | 11.14                 | 11.09                 | 11.24                 |                              | 0        |
| 64QAM                               | 8       | 7         | 11.05                 | 11.08                 | 11.29                 | 0-2                          | 0        |
|                                     | 15      | 0         | 11.04                 | 11.07                 | 11.24                 |                              | 0        |
|                                     | 1       | 0         | 11.17                 | 11.39                 | 11.65                 |                              | 0-2      |
|                                     | 1       | 7         | 11.21                 | 11.46                 | 11.60                 | 0                            |          |
|                                     | 1       | 14        | 11.06                 | 11.22                 | 11.48                 | 0-3                          |          |
|                                     | 8       | 0         | 11.15                 | 11.14                 | 11.35                 |                              | 0        |
| 8                                   | 4       | 11.04     | 11.08                 | 11.42                 | 0                     |                              |          |
| 64QAM                               | 8       | 7         | 10.95                 | 11.16                 | 11.29                 | 0-3                          | 0        |
|                                     | 15      | 0         | 11.10                 | 11.14                 | 11.25                 |                              | 0        |

**Table 8-208**  
**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         | 11.01                 | 10.99                 | 11.34                 | 0                            | 0        |
|                                       | 1       | 2         | 10.98                 | 10.95                 | 11.33                 |                              | 0        |
|                                       | 1       | 5         | 10.97                 | 10.96                 | 11.32                 |                              | 0        |
|                                       | 3       | 0         | 11.07                 | 11.04                 | 11.16                 |                              | 0        |
|                                       | 3       | 2         | 11.05                 | 11.05                 | 11.18                 |                              | 0        |
|                                       | 3       | 3         | 11.06                 | 11.05                 | 11.16                 | 0                            |          |
|                                       | 6       | 0         | 11.07                 | 11.06                 | 11.16                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 11.22                 | 11.14                 | 11.37                 | 0-1                          | 0        |
|                                       | 1       | 2         | 11.27                 | 11.20                 | 11.38                 |                              | 0        |
|                                       | 1       | 5         | 11.22                 | 11.15                 | 11.46                 |                              | 0        |
|                                       | 3       | 0         | 11.20                 | 11.20                 | 11.24                 |                              | 0        |
|                                       | 3       | 2         | 11.21                 | 11.10                 | 11.20                 |                              | 0        |
|                                       | 3       | 3         | 11.24                 | 11.19                 | 11.22                 | 0                            |          |
|                                       | 6       | 0         | 11.12                 | 11.11                 | 11.20                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 11.28                 | 11.35                 | 11.34                 | 0-2                          | 0        |
|                                       | 1       | 2         | 11.17                 | 11.18                 | 11.41                 |                              | 0        |
|                                       | 1       | 5         | 11.26                 | 11.06                 | 11.36                 |                              | 0        |
|                                       | 3       | 0         | 11.14                 | 11.14                 | 11.29                 |                              | 0        |
|                                       | 3       | 2         | 11.13                 | 11.09                 | 11.35                 |                              | 0        |
|                                       | 3       | 3         | 11.19                 | 11.11                 | 11.23                 | 0                            |          |
|                                       | 6       | 0         | 11.23                 | 11.07                 | 11.14                 | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 150 of 297                 |

**Table 8-209**  
**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         | 13.13                 | 12.85                 | 12.91                 | 0                            | 0        |
|                                      | 1       | 50        | 13.14                 | 13.11                 | 12.78                 |                              | 0        |
|                                      | 1       | 99        | 12.90                 | 12.94                 | 12.89                 |                              | 0        |
|                                      | 50      | 0         | 13.14                 | 13.03                 | 12.77                 | 0-1                          | 0        |
|                                      | 50      | 25        | 13.08                 | 13.13                 | 12.88                 |                              | 0        |
|                                      | 50      | 50        | 12.96                 | 13.09                 | 13.03                 |                              | 0        |
| 16QAM                                | 100     | 0         | 13.12                 | 13.10                 | 12.92                 | 0-1                          | 0        |
|                                      | 1       | 0         | 13.26                 | 13.11                 | 13.32                 |                              | 0        |
|                                      | 1       | 50        | 13.30                 | 13.40                 | 13.16                 |                              | 0        |
|                                      | 1       | 99        | 12.99                 | 13.26                 | 13.20                 | 0-2                          | 0        |
|                                      | 50      | 0         | 13.13                 | 13.05                 | 12.81                 |                              | 0        |
|                                      | 50      | 25        | 13.10                 | 13.12                 | 12.89                 |                              | 0        |
| 64QAM                                | 50      | 50        | 13.00                 | 13.05                 | 13.04                 | 0-2                          | 0        |
|                                      | 100     | 0         | 13.11                 | 13.11                 | 12.92                 |                              | 0        |
|                                      | 1       | 0         | 13.09                 | 13.20                 | 13.28                 |                              | 0-2      |
|                                      | 1       | 50        | 13.13                 | 13.50                 | 13.25                 | 0                            |          |
|                                      | 1       | 99        | 12.88                 | 13.39                 | 13.30                 | 0                            |          |
|                                      | 50      | 0         | 13.18                 | 13.10                 | 12.78                 | 0-3                          | 0        |
| 50                                   | 25      | 13.16     | 13.15                 | 12.88                 | 0                     |                              |          |
| 50                                   | 50      | 13.02     | 13.08                 | 13.03                 | 0                     |                              |          |
|                                      | 100     | 0         | 13.12                 | 13.14                 | 12.92                 |                              | 0        |

**Table 8-210**  
**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         | 12.82                 | 12.56                 | 12.50                 | 0                            | 0        |
|                                      | 1       | 36        | 13.01                 | 12.74                 | 12.68                 |                              | 0        |
|                                      | 1       | 74        | 12.79                 | 12.51                 | 12.60                 |                              | 0        |
|                                      | 36      | 0         | 12.91                 | 12.77                 | 12.56                 | 0-1                          | 0        |
|                                      | 36      | 18        | 12.93                 | 12.83                 | 12.79                 |                              | 0        |
|                                      | 36      | 37        | 12.88                 | 12.75                 | 12.82                 |                              | 0        |
| 16QAM                                | 75      | 0         | 12.90                 | 12.81                 | 12.76                 | 0-1                          | 0        |
|                                      | 1       | 0         | 13.00                 | 12.70                 | 12.57                 |                              | 0        |
|                                      | 1       | 36        | 13.04                 | 12.88                 | 12.81                 |                              | 0        |
|                                      | 1       | 74        | 12.89                 | 12.63                 | 12.86                 | 0-2                          | 0        |
|                                      | 36      | 0         | 12.91                 | 12.78                 | 12.59                 |                              | 0        |
|                                      | 36      | 18        | 12.89                 | 12.85                 | 12.82                 |                              | 0        |
| 64QAM                                | 36      | 37        | 12.88                 | 12.76                 | 12.81                 | 0-2                          | 0        |
|                                      | 75      | 0         | 12.88                 | 12.83                 | 12.79                 |                              | 0        |
|                                      | 1       | 0         | 12.76                 | 12.60                 | 12.70                 | 0-2                          | 0        |
|                                      | 1       | 36        | 13.05                 | 12.94                 | 13.02                 |                              | 0        |
|                                      | 1       | 74        | 12.86                 | 12.76                 | 12.92                 | 0-3                          | 0        |
|                                      | 36      | 0         | 12.92                 | 12.84                 | 12.63                 |                              | 0        |
| 36                                   | 18      | 12.92     | 12.89                 | 12.87                 | 0                     |                              |          |
|                                      | 36      | 37        | 12.89                 | 12.76                 | 12.87                 | 0-3                          | 0        |
|                                      | 75      | 0         | 12.89                 | 12.84                 | 12.77                 |                              | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 151 of 297                 |

**Table 8-211**  
**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         | 12.75                 | 12.64                 | 12.62                 | 0                            | 0        |
|                                      | 1       | 25        | 12.83                 | 12.74                 | 12.61                 |                              | 0        |
|                                      | 1       | 49        | 12.77                 | 12.68                 | 12.55                 |                              | 0        |
|                                      | 25      | 0         | 12.84                 | 12.81                 | 12.73                 | 0-1                          | 0        |
|                                      | 25      | 12        | 12.90                 | 12.82                 | 12.70                 |                              | 0        |
|                                      | 25      | 25        | 12.88                 | 12.73                 | 12.65                 |                              | 0        |
| 16QAM                                | 50      | 0         | 12.91                 | 12.81                 | 12.74                 | 0-1                          | 0        |
|                                      | 1       | 0         | 12.92                 | 12.65                 | 12.62                 |                              | 0        |
|                                      | 1       | 25        | 12.98                 | 12.75                 | 12.66                 |                              | 0        |
|                                      | 1       | 49        | 12.81                 | 12.74                 | 12.53                 | 0-2                          | 0        |
|                                      | 25      | 0         | 12.86                 | 12.81                 | 12.72                 |                              | 0        |
|                                      | 25      | 12        | 12.91                 | 12.81                 | 12.71                 |                              | 0        |
| 64QAM                                | 25      | 25        | 12.88                 | 12.71                 | 12.67                 | 0-2                          | 0        |
|                                      | 50      | 0         | 12.91                 | 12.83                 | 12.74                 |                              | 0        |
|                                      | 1       | 0         | 13.03                 | 12.87                 | 12.99                 |                              | 0-2      |
|                                      | 1       | 25        | 13.04                 | 13.05                 | 13.01                 | 0                            |          |
|                                      | 1       | 49        | 13.00                 | 12.94                 | 12.80                 | 0                            |          |
|                                      | 64QAM   | 25        | 0                     | 12.86                 | 12.83                 | 12.74                        | 0-3      |
| 25                                   |         | 12        | 12.93                 | 12.83                 | 12.71                 | 0                            |          |
| 25                                   |         | 25        | 12.87                 | 12.72                 | 12.67                 | 0                            |          |
| 50                                   |         | 0         | 12.93                 | 12.86                 | 12.69                 |                              | 0        |

**Table 8-212**  
**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         | 12.51                 | 12.79                 | 12.53                 | 0                            | 0        |
|                                     | 1       | 12        | 12.58                 | 12.77                 | 12.54                 |                              | 0        |
|                                     | 1       | 24        | 12.64                 | 12.71                 | 12.50                 |                              | 0        |
|                                     | 12      | 0         | 12.62                 | 12.77                 | 12.67                 | 0-1                          | 0        |
|                                     | 12      | 6         | 12.65                 | 12.76                 | 12.67                 |                              | 0        |
|                                     | 12      | 13        | 12.71                 | 12.76                 | 12.63                 |                              | 0        |
| 16QAM                               | 25      | 0         | 12.66                 | 12.78                 | 12.70                 | 0-1                          | 0        |
|                                     | 1       | 0         | 12.75                 | 12.98                 | 12.83                 |                              | 0        |
|                                     | 1       | 12        | 12.71                 | 12.89                 | 12.61                 |                              | 0        |
|                                     | 1       | 24        | 12.87                 | 12.74                 | 12.62                 | 0-2                          | 0        |
|                                     | 12      | 0         | 12.60                 | 12.85                 | 12.65                 |                              | 0        |
|                                     | 12      | 6         | 12.64                 | 12.81                 | 12.71                 |                              | 0        |
| 64QAM                               | 12      | 13        | 12.66                 | 12.87                 | 12.67                 | 0-2                          | 0        |
|                                     | 25      | 0         | 12.71                 | 12.78                 | 12.74                 |                              | 0        |
|                                     | 1       | 0         | 12.78                 | 12.97                 | 12.84                 |                              | 0-2      |
|                                     | 1       | 12        | 12.79                 | 12.82                 | 12.80                 | 0                            |          |
|                                     | 1       | 24        | 12.88                 | 12.83                 | 12.82                 | 0                            |          |
|                                     | 12      | 0         | 12.62                 | 12.78                 | 12.69                 | 0-3                          | 0        |
| 12                                  | 6       | 12.65     | 12.79                 | 12.67                 | 0                     |                              |          |
| 12                                  | 13      | 12.75     | 12.80                 | 12.65                 | 0                     |                              |          |
|                                     | 25      | 0         | 12.65                 | 12.82                 | 12.68                 |                              | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 152 of 297                 |

**Table 8-213**  
**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         | 12.50                 | 12.56                 | 12.53                 | 0                            | 0        |
|                                     | 1       | 7         | 12.53                 | 12.61                 | 12.53                 |                              | 0        |
|                                     | 1       | 14        | 12.52                 | 12.55                 | 12.57                 |                              | 0        |
|                                     | 8       | 0         | 12.62                 | 12.64                 | 12.63                 | 0-1                          | 0        |
|                                     | 8       | 4         | 12.61                 | 12.67                 | 12.60                 |                              | 0        |
|                                     | 8       | 7         | 12.65                 | 12.67                 | 12.59                 |                              | 0        |
|                                     | 15      | 0         | 12.63                 | 12.68                 | 12.60                 |                              | 0        |
| 16QAM                               | 1       | 0         | 12.59                 | 12.66                 | 12.66                 | 0-1                          | 0        |
|                                     | 1       | 7         | 12.66                 | 12.79                 | 12.72                 |                              | 0        |
|                                     | 1       | 14        | 12.65                 | 12.78                 | 12.53                 |                              | 0        |
|                                     | 8       | 0         | 12.69                 | 12.74                 | 12.69                 | 0-2                          | 0        |
|                                     | 8       | 4         | 12.67                 | 12.70                 | 12.64                 |                              | 0        |
|                                     | 8       | 7         | 12.67                 | 12.73                 | 12.64                 |                              | 0        |
|                                     | 15      | 0         | 12.61                 | 12.71                 | 12.64                 |                              | 0        |
| 64QAM                               | 1       | 0         | 12.68                 | 12.67                 | 12.95                 | 0-2                          | 0        |
|                                     | 1       | 7         | 12.79                 | 12.73                 | 13.11                 |                              | 0        |
|                                     | 1       | 14        | 12.56                 | 12.77                 | 12.80                 |                              | 0        |
|                                     | 8       | 0         | 12.63                 | 12.68                 | 12.73                 | 0-3                          | 0        |
|                                     | 8       | 4         | 12.64                 | 12.71                 | 12.69                 |                              | 0        |
|                                     | 8       | 7         | 12.73                 | 12.71                 | 12.59                 |                              | 0        |
|                                     | 15      | 0         | 12.59                 | 12.65                 | 12.62                 |                              | 0        |

**Table 8-214**  
**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         | 12.77                 | 12.76                 | 12.59                 | 0                            | 0        |
|                                       | 1       | 2         | 12.82                 | 12.67                 | 12.51                 |                              | 0        |
|                                       | 1       | 5         | 12.82                 | 12.69                 | 12.56                 |                              | 0        |
|                                       | 3       | 0         | 12.67                 | 12.75                 | 12.58                 |                              | 0        |
|                                       | 3       | 2         | 12.72                 | 12.77                 | 12.62                 |                              | 0        |
|                                       | 3       | 3         | 12.73                 | 12.77                 | 12.60                 |                              | 0        |
|                                       | 6       | 0         | 12.73                 | 12.78                 | 12.60                 | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 12.81                 | 12.99                 | 12.56                 | 0-1                          | 0        |
|                                       | 1       | 2         | 12.85                 | 12.94                 | 12.59                 |                              | 0        |
|                                       | 1       | 5         | 12.93                 | 12.86                 | 12.55                 |                              | 0        |
|                                       | 3       | 0         | 12.77                 | 12.94                 | 12.59                 |                              | 0        |
|                                       | 3       | 2         | 12.84                 | 12.84                 | 12.52                 |                              | 0        |
|                                       | 3       | 3         | 12.80                 | 12.85                 | 12.51                 |                              | 0        |
|                                       | 6       | 0         | 12.82                 | 12.82                 | 12.53                 | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 12.89                 | 12.91                 | 12.50                 | 0-2                          | 0        |
|                                       | 1       | 2         | 12.89                 | 12.90                 | 12.58                 |                              | 0        |
|                                       | 1       | 5         | 12.79                 | 12.87                 | 12.54                 |                              | 0        |
|                                       | 3       | 0         | 12.80                 | 12.73                 | 12.52                 |                              | 0        |
|                                       | 3       | 2         | 12.85                 | 12.79                 | 12.54                 |                              | 0        |
|                                       | 3       | 3         | 12.85                 | 12.77                 | 12.51                 |                              | 0        |
|                                       | 6       | 0         | 12.82                 | 12.91                 | 12.50                 | 0-3                          | 0        |

|                                         |                                                                                                                  |                            |  |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  |  | Page 153 of 297                 |

**Table 8-215**  
**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         | 10.09                 | 9.97                  | 10.04                 | 0                            | 0        |
|                                      | 1       | 50        | 10.16                 | 10.04                 | 10.13                 |                              | 0        |
|                                      | 1       | 99        | 9.80                  | 10.01                 | 9.86                  |                              | 0        |
|                                      | 50      | 0         | 10.12                 | 9.94                  | 9.91                  | 0-1                          | 0        |
|                                      | 50      | 25        | 10.14                 | 10.09                 | 10.05                 |                              | 0        |
|                                      | 50      | 50        | 10.02                 | 10.08                 | 10.01                 |                              | 0        |
| 16QAM                                | 100     | 0         | 10.13                 | 10.11                 | 10.03                 | 0-1                          | 0        |
|                                      | 1       | 0         | 9.86                  | 10.02                 | 10.02                 |                              | 0        |
|                                      | 1       | 50        | 10.05                 | 10.13                 | 10.23                 |                              | 0        |
|                                      | 1       | 99        | 9.95                  | 10.07                 | 10.12                 | 0-2                          | 0        |
|                                      | 50      | 0         | 9.83                  | 9.80                  | 9.61                  |                              | 0        |
|                                      | 50      | 25        | 9.92                  | 9.90                  | 9.64                  |                              | 0        |
| 64QAM                                | 50      | 50        | 9.90                  | 9.80                  | 9.71                  | 0-2                          | 0        |
|                                      | 100     | 0         | 9.94                  | 9.81                  | 9.70                  |                              | 0        |
|                                      | 1       | 0         | 9.86                  | 10.10                 | 9.95                  |                              | 0-2      |
|                                      | 1       | 50        | 10.01                 | 9.95                  | 9.96                  | 0                            |          |
|                                      | 1       | 99        | 10.03                 | 9.91                  | 9.96                  | 0-3                          |          |
|                                      | 50      | 0         | 9.73                  | 9.71                  | 9.69                  |                              | 0        |
|                                      | 50      | 25        | 9.83                  | 9.81                  | 9.68                  |                              | 0        |
|                                      | 50      | 50        | 9.74                  | 9.79                  | 9.79                  |                              | 0        |
|                                      | 100     | 0         | 9.83                  | 9.88                  | 9.81                  |                              | 0        |

**Table 8-216**  
**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         | 9.76                  | 9.50                  | 9.58                  | 0                            | 0        |
|                                      | 1       | 36        | 9.91                  | 9.63                  | 9.82                  |                              | 0        |
|                                      | 1       | 74        | 9.75                  | 9.66                  | 9.72                  |                              | 0        |
|                                      | 36      | 0         | 9.91                  | 9.64                  | 9.80                  | 0-1                          | 0        |
|                                      | 36      | 18        | 9.99                  | 9.74                  | 9.90                  |                              | 0        |
|                                      | 36      | 37        | 9.99                  | 9.81                  | 9.79                  |                              | 0        |
| 16QAM                                | 75      | 0         | 9.99                  | 9.83                  | 9.87                  | 0-1                          | 0        |
|                                      | 1       | 0         | 10.17                 | 9.81                  | 9.99                  |                              | 0        |
|                                      | 1       | 36        | 10.28                 | 10.00                 | 10.38                 |                              | 0        |
|                                      | 1       | 74        | 10.21                 | 10.04                 | 10.05                 | 0-2                          | 0        |
|                                      | 36      | 0         | 9.97                  | 9.66                  | 9.87                  |                              | 0        |
|                                      | 36      | 18        | 10.02                 | 9.87                  | 9.93                  |                              | 0        |
| 64QAM                                | 36      | 37        | 10.01                 | 9.90                  | 9.84                  | 0-2                          | 0        |
|                                      | 75      | 0         | 9.96                  | 9.97                  | 9.91                  |                              | 0        |
|                                      | 1       | 0         | 9.82                  | 9.87                  | 9.65                  |                              | 0-2      |
|                                      | 1       | 36        | 10.12                 | 9.92                  | 10.10                 | 0                            |          |
|                                      | 1       | 74        | 10.09                 | 9.89                  | 10.13                 | 0                            |          |
|                                      | 64QAM   | 36        | 0                     | 9.80                  | 9.82                  | 9.68                         | 0-3      |
| 36                                   |         | 18        | 9.95                  | 9.87                  | 9.71                  | 0                            |          |
| 36                                   |         | 37        | 9.89                  | 9.86                  | 9.80                  | 0                            |          |
| 75                                   |         | 0         | 9.91                  | 9.84                  | 9.76                  | 0                            |          |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 154 of 297                 |

Table 8-217

## 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         | 9.83                  | 9.50                  | 9.99                  | 0                            | 0        |
|                                      | 1       | 25        | 9.75                  | 9.71                  | 9.79                  |                              | 0        |
|                                      | 1       | 49        | 9.72                  | 9.73                  | 9.63                  |                              | 0        |
|                                      | 25      | 0         | 9.65                  | 9.81                  | 9.79                  | 0-1                          | 0        |
|                                      | 25      | 12        | 9.69                  | 9.85                  | 9.76                  |                              | 0        |
|                                      | 25      | 25        | 9.77                  | 9.90                  | 9.70                  |                              | 0        |
| 16QAM                                | 50      | 0         | 9.73                  | 9.90                  | 9.77                  | 0-1                          | 0        |
|                                      | 1       | 0         | 10.08                 | 10.03                 | 10.17                 |                              | 0        |
|                                      | 1       | 25        | 9.90                  | 10.07                 | 10.13                 |                              | 0        |
|                                      | 1       | 49        | 9.98                  | 9.81                  | 10.00                 | 0-2                          | 0        |
|                                      | 25      | 0         | 9.68                  | 9.83                  | 9.85                  |                              | 0        |
|                                      | 25      | 12        | 9.69                  | 9.82                  | 9.81                  |                              | 0        |
| 64QAM                                | 25      | 25        | 9.76                  | 9.87                  | 9.73                  | 0-2                          | 0        |
|                                      | 50      | 0         | 9.70                  | 9.93                  | 9.80                  |                              | 0        |
|                                      | 1       | 0         | 10.11                 | 9.78                  | 10.23                 |                              | 0-2      |
|                                      | 1       | 25        | 10.07                 | 9.71                  | 10.07                 | 0                            |          |
|                                      | 1       | 49        | 9.94                  | 9.97                  | 9.82                  | 0-3                          |          |
|                                      | 25      | 0         | 9.81                  | 9.62                  | 9.86                  |                              | 0        |
| 25                                   | 12      | 9.80      | 9.72                  | 9.79                  | 0                     |                              |          |
| 64QAM                                | 25      | 25        | 9.78                  | 9.89                  | 9.74                  | 0-3                          | 0        |
|                                      | 50      | 0         | 9.83                  | 9.83                  | 9.81                  |                              | 0        |

Table 8-218

## 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         | 9.69                  | 9.48                  | 9.77                  | 0                            | 0        |
|                                     | 1       | 12        | 9.74                  | 9.56                  | 9.61                  |                              | 0        |
|                                     | 1       | 24        | 9.76                  | 9.75                  | 9.58                  |                              | 0        |
|                                     | 12      | 0         | 9.72                  | 9.75                  | 9.73                  | 0-1                          | 0        |
|                                     | 12      | 6         | 9.68                  | 9.76                  | 9.72                  |                              | 0        |
|                                     | 12      | 13        | 9.80                  | 9.83                  | 9.72                  |                              | 0        |
| 16QAM                               | 25      | 0         | 9.72                  | 9.84                  | 9.74                  | 0-1                          | 0        |
|                                     | 1       | 0         | 9.92                  | 9.99                  | 10.10                 |                              | 0        |
|                                     | 1       | 12        | 10.06                 | 10.03                 | 10.05                 |                              | 0        |
|                                     | 1       | 24        | 10.00                 | 10.01                 | 9.90                  | 0-2                          | 0        |
|                                     | 12      | 0         | 9.82                  | 9.80                  | 9.77                  |                              | 0        |
|                                     | 12      | 6         | 9.74                  | 9.82                  | 9.76                  |                              | 0        |
| 64QAM                               | 12      | 13        | 9.86                  | 9.92                  | 9.72                  | 0-2                          | 0        |
|                                     | 25      | 0         | 9.79                  | 9.86                  | 9.75                  |                              | 0        |
|                                     | 1       | 0         | 10.01                 | 10.04                 | 9.95                  |                              | 0-2      |
|                                     | 1       | 12        | 9.89                  | 10.07                 | 10.16                 | 0                            |          |
|                                     | 1       | 24        | 10.03                 | 10.12                 | 9.80                  | 0-3                          |          |
|                                     | 12      | 0         | 9.83                  | 9.90                  | 9.75                  |                              | 0        |
| 12                                  | 6       | 9.60      | 9.81                  | 9.71                  | 0                     |                              |          |
|                                     | 12      | 13        | 9.81                  | 9.97                  | 9.61                  | 0-3                          | 0        |
|                                     | 25      | 0         | 9.70                  | 9.96                  | 9.71                  |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 155 of 297                 |

**Table 8-219**  
**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         | 9.59                  | 9.51                  | 9.59                  | 0                            | 0        |
|                                     | 1       | 7         | 9.71                  | 9.64                  | 9.62                  |                              | 0        |
|                                     | 1       | 14        | 9.62                  | 9.58                  | 9.50                  |                              | 0        |
|                                     | 8       | 0         | 9.74                  | 9.66                  | 9.68                  | 0-1                          | 0        |
|                                     | 8       | 4         | 9.76                  | 9.72                  | 9.66                  |                              | 0        |
|                                     | 8       | 7         | 9.76                  | 9.72                  | 9.68                  |                              | 0        |
|                                     | 15      | 0         | 9.74                  | 9.72                  | 9.69                  |                              | 0        |
| 16QAM                               | 1       | 0         | 9.92                  | 9.82                  | 9.98                  | 0-1                          | 0        |
|                                     | 1       | 7         | 10.06                 | 9.96                  | 10.01                 |                              | 0        |
|                                     | 1       | 14        | 10.06                 | 9.90                  | 9.89                  |                              | 0        |
|                                     | 8       | 0         | 9.87                  | 9.73                  | 9.76                  | 0-2                          | 0        |
|                                     | 8       | 4         | 9.85                  | 9.83                  | 9.70                  |                              | 0        |
|                                     | 8       | 7         | 9.87                  | 9.80                  | 9.75                  |                              | 0        |
|                                     | 15      | 0         | 9.88                  | 9.81                  | 9.75                  |                              | 0        |
| 64QAM                               | 1       | 0         | 9.93                  | 9.74                  | 9.87                  | 0-2                          | 0        |
|                                     | 1       | 7         | 10.04                 | 9.82                  | 9.78                  |                              | 0        |
|                                     | 1       | 14        | 10.00                 | 9.91                  | 9.84                  |                              | 0        |
|                                     | 8       | 0         | 9.87                  | 9.76                  | 9.72                  | 0-3                          | 0        |
|                                     | 8       | 4         | 9.85                  | 9.76                  | 9.67                  |                              | 0        |
|                                     | 8       | 7         | 9.79                  | 9.74                  | 9.69                  |                              | 0        |
|                                     | 15      | 0         | 9.81                  | 9.75                  | 9.65                  |                              | 0        |

**Table 8-220**  
**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         | 9.96                  | 9.66                  | 9.92                  | 0                            | 0        |
|                                       | 1       | 2         | 9.97                  | 9.63                  | 9.91                  |                              | 0        |
|                                       | 1       | 5         | 10.00                 | 9.72                  | 9.89                  |                              | 0        |
|                                       | 3       | 0         | 9.81                  | 9.60                  | 9.78                  |                              | 0        |
|                                       | 3       | 2         | 9.86                  | 9.65                  | 9.75                  |                              | 0        |
|                                       | 3       | 3         | 9.85                  | 9.71                  | 9.74                  |                              | 0        |
|                                       | 6       | 0         | 9.87                  | 9.68                  | 9.73                  | 0-1                          | 0        |
| 16QAM                                 | 1       | 0         | 10.04                 | 9.75                  | 10.06                 | 0-1                          | 0        |
|                                       | 1       | 2         | 10.10                 | 9.74                  | 10.07                 |                              | 0        |
|                                       | 1       | 5         | 10.02                 | 9.94                  | 9.90                  |                              | 0        |
|                                       | 3       | 0         | 9.96                  | 9.63                  | 9.86                  |                              | 0        |
|                                       | 3       | 2         | 9.92                  | 9.75                  | 10.00                 |                              | 0        |
|                                       | 3       | 3         | 9.94                  | 9.73                  | 9.92                  |                              | 0        |
|                                       | 6       | 0         | 9.94                  | 9.76                  | 9.85                  | 0-2                          | 0        |
| 64QAM                                 | 1       | 0         | 10.05                 | 9.75                  | 9.83                  | 0-2                          | 0        |
|                                       | 1       | 2         | 10.04                 | 9.92                  | 9.97                  |                              | 0        |
|                                       | 1       | 5         | 10.02                 | 10.06                 | 9.76                  |                              | 0        |
|                                       | 3       | 0         | 9.88                  | 9.91                  | 9.72                  |                              | 0        |
|                                       | 3       | 2         | 9.93                  | 9.99                  | 9.72                  |                              | 0        |
|                                       | 3       | 3         | 9.93                  | 10.02                 | 9.75                  |                              | 0        |
|                                       | 6       | 0         | 9.82                  | 9.92                  | 9.67                  | 0-3                          | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 156 of 297                        |

## 8.3.10

## LTE Band 25

**Table 8-221**  
**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         | 14.75                 | 14.71                 | 14.55                 | 0                            | 0        |
|                                       | 1       | 50        | 14.73                 | 14.54                 | 14.54                 |                              | 0        |
|                                       | 1       | 99        | 14.96                 | 14.89                 | 14.55                 |                              | 0        |
|                                       | 50      | 0         | 14.65                 | 14.57                 | 14.56                 | 0-1                          | 0        |
|                                       | 50      | 25        | 14.70                 | 14.57                 | 14.66                 |                              | 0        |
|                                       | 50      | 50        | 14.86                 | 14.84                 | 14.84                 |                              | 0        |
|                                       | 100     | 0         | 14.84                 | 14.58                 | 14.73                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 14.22                 | 14.68                 | 14.37                 | 0-1                          | 0        |
|                                       | 1       | 50        | 14.34                 | 14.42                 | 14.32                 |                              | 0        |
|                                       | 1       | 99        | 14.70                 | 14.62                 | 14.50                 |                              | 0        |
|                                       | 50      | 0         | 14.11                 | 14.16                 | 14.08                 | 0-2                          | 0        |
|                                       | 50      | 25        | 14.21                 | 14.10                 | 14.22                 |                              | 0        |
|                                       | 50      | 50        | 14.38                 | 14.25                 | 14.31                 |                              | 0        |
|                                       | 100     | 0         | 14.26                 | 14.11                 | 14.28                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 14.70                 | 14.80                 | 14.93                 | 0-2                          | 0        |
|                                       | 1       | 50        | 14.74                 | 14.85                 | 14.86                 |                              | 0        |
|                                       | 1       | 99        | 15.00                 | 14.97                 | 14.99                 |                              | 0        |
|                                       | 50      | 0         | 14.25                 | 14.20                 | 14.25                 | 0-3                          | 0        |
|                                       | 50      | 25        | 14.26                 | 14.40                 | 14.38                 |                              | 0        |
|                                       | 50      | 50        | 14.38                 | 14.50                 | 14.47                 |                              | 0        |
|                                       | 100     | 0         | 14.28                 | 14.42                 | 14.44                 |                              | 0        |

**Table 8-222**  
**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         | 14.57                 | 14.78                 | 14.69                 | 0                            | 0        |
|                                       | 1       | 36        | 14.70                 | 14.66                 | 14.85                 |                              | 0        |
|                                       | 1       | 74        | 14.87                 | 14.87                 | 14.83                 |                              | 0        |
|                                       | 36      | 0         | 14.64                 | 14.71                 | 14.83                 | 0-1                          | 0        |
|                                       | 36      | 18        | 14.72                 | 14.70                 | 14.88                 |                              | 0        |
|                                       | 36      | 37        | 14.84                 | 14.77                 | 14.84                 |                              | 0        |
|                                       | 75      | 0         | 14.74                 | 14.69                 | 14.80                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 14.36                 | 14.47                 | 14.53                 | 0-1                          | 0        |
|                                       | 1       | 36        | 14.57                 | 14.66                 | 14.80                 |                              | 0        |
|                                       | 1       | 74        | 14.81                 | 14.91                 | 14.81                 |                              | 0        |
|                                       | 36      | 0         | 14.19                 | 14.17                 | 14.28                 | 0-2                          | 0        |
|                                       | 36      | 18        | 14.25                 | 14.33                 | 14.46                 |                              | 0        |
|                                       | 36      | 37        | 14.23                 | 14.49                 | 14.47                 |                              | 0        |
|                                       | 75      | 0         | 14.26                 | 14.39                 | 14.44                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 14.40                 | 14.58                 | 14.60                 | 0-2                          | 0        |
|                                       | 1       | 36        | 14.69                 | 14.73                 | 14.86                 |                              | 0        |
|                                       | 1       | 74        | 14.65                 | 14.79                 | 14.80                 |                              | 0        |
|                                       | 36      | 0         | 14.26                 | 14.20                 | 14.33                 | 0-3                          | 0        |
|                                       | 36      | 18        | 14.35                 | 14.36                 | 14.47                 |                              | 0        |
|                                       | 36      | 37        | 14.28                 | 14.50                 | 14.47                 |                              | 0        |
|                                       | 75      | 0         | 14.30                 | 14.40                 | 14.48                 |                              | 0        |

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 157 of 297                        |

**Table 8-223**  
**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         | 14.63                 | 14.69                 | 14.85                 | 0                            | 0        |
|                                       | 1       | 25        | 14.67                 | 14.64                 | 14.83                 |                              | 0        |
|                                       | 1       | 49        | 14.70                 | 14.80                 | 14.85                 |                              | 0        |
|                                       | 25      | 0         | 14.62                 | 14.57                 | 14.89                 | 0-1                          | 0        |
|                                       | 25      | 12        | 14.66                 | 14.67                 | 14.89                 |                              | 0        |
|                                       | 25      | 25        | 14.72                 | 14.72                 | 14.78                 |                              | 0        |
|                                       | 50      | 0         | 14.72                 | 14.68                 | 14.86                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 14.70                 | 14.65                 | 14.63                 | 0-1                          | 0        |
|                                       | 1       | 25        | 14.50                 | 14.65                 | 14.80                 |                              | 0        |
|                                       | 1       | 49        | 14.69                 | 14.84                 | 14.90                 |                              | 0        |
|                                       | 25      | 0         | 14.14                 | 14.24                 | 14.41                 | 0-2                          | 0        |
|                                       | 25      | 12        | 14.18                 | 14.25                 | 14.44                 |                              | 0        |
|                                       | 25      | 25        | 14.27                 | 14.44                 | 14.34                 |                              | 0        |
|                                       | 50      | 0         | 14.28                 | 14.40                 | 14.45                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 14.60                 | 14.62                 | 14.63                 | 0-2                          | 0        |
|                                       | 1       | 25        | 14.54                 | 14.82                 | 14.80                 |                              | 0        |
|                                       | 1       | 49        | 14.49                 | 14.63                 | 14.89                 |                              | 0        |
|                                       | 25      | 0         | 14.09                 | 14.27                 | 14.39                 | 0-3                          | 0        |
|                                       | 25      | 12        | 14.20                 | 14.31                 | 14.42                 |                              | 0        |
|                                       | 25      | 25        | 14.24                 | 14.47                 | 14.32                 |                              | 0        |
|                                       | 50      | 0         | 14.26                 | 14.40                 | 14.45                 |                              | 0        |

**Table 8-224**  
**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         | 14.53                 | 14.57                 | 14.87                 | 0                            | 0        |
|                                      | 1       | 12        | 14.52                 | 14.62                 | 14.80                 |                              | 0        |
|                                      | 1       | 24        | 14.51                 | 14.67                 | 14.88                 |                              | 0        |
|                                      | 12      | 0         | 14.54                 | 14.54                 | 14.83                 | 0-1                          | 0        |
|                                      | 12      | 6         | 14.52                 | 14.60                 | 14.79                 |                              | 0        |
|                                      | 12      | 13        | 14.54                 | 14.67                 | 14.84                 |                              | 0        |
|                                      | 25      | 0         | 14.51                 | 14.65                 | 14.80                 |                              | 0        |
| 16QAM                                | 1       | 0         | 14.14                 | 14.47                 | 14.62                 | 0-1                          | 0        |
|                                      | 1       | 12        | 14.36                 | 14.70                 | 14.71                 |                              | 0        |
|                                      | 1       | 24        | 14.44                 | 14.48                 | 14.68                 |                              | 0        |
|                                      | 12      | 0         | 14.16                 | 14.33                 | 14.44                 | 0-2                          | 0        |
|                                      | 12      | 6         | 14.15                 | 14.33                 | 14.35                 |                              | 0        |
|                                      | 12      | 13        | 14.16                 | 14.40                 | 14.36                 |                              | 0        |
|                                      | 25      | 0         | 14.11                 | 14.44                 | 14.37                 |                              | 0        |
| 64QAM                                | 1       | 0         | 14.50                 | 14.72                 | 14.79                 | 0-2                          | 0        |
|                                      | 1       | 12        | 14.55                 | 14.74                 | 14.79                 |                              | 0        |
|                                      | 1       | 24        | 14.61                 | 14.82                 | 14.60                 |                              | 0        |
|                                      | 12      | 0         | 14.11                 | 14.32                 | 14.42                 | 0-3                          | 0        |
|                                      | 12      | 6         | 14.15                 | 14.30                 | 14.38                 |                              | 0        |
|                                      | 12      | 13        | 14.19                 | 14.39                 | 14.36                 |                              | 0        |
|                                      | 25      | 0         | 14.15                 | 14.41                 | 14.31                 |                              | 0        |

|                                         |                                                                                                                  |                            |  |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  |  | Page 158 of 297                 |

**Table 8-225**  
**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         | 14.45                 | 14.51                 | 14.65                 | 0                            | 0        |
|                                      | 1       | 7         | 14.53                 | 14.60                 | 14.78                 |                              | 0        |
|                                      | 1       | 14        | 14.50                 | 14.60                 | 14.71                 |                              | 0        |
|                                      | 8       | 0         | 14.50                 | 14.64                 | 14.73                 | 0-1                          | 0        |
|                                      | 8       | 4         | 14.53                 | 14.62                 | 14.76                 |                              | 0        |
|                                      | 8       | 7         | 14.52                 | 14.61                 | 14.76                 |                              | 0        |
|                                      | 15      | 0         | 14.53                 | 14.62                 | 14.75                 |                              | 0        |
| 16QAM                                | 1       | 0         | 14.34                 | 14.51                 | 14.61                 | 0-1                          | 0        |
|                                      | 1       | 7         | 14.70                 | 14.63                 | 14.68                 |                              | 0        |
|                                      | 1       | 14        | 14.42                 | 14.66                 | 14.60                 |                              | 0        |
|                                      | 8       | 0         | 14.19                 | 14.23                 | 14.30                 | 0-2                          | 0        |
|                                      | 8       | 4         | 14.21                 | 14.31                 | 14.30                 |                              | 0        |
|                                      | 8       | 7         | 14.22                 | 14.33                 | 14.31                 |                              | 0        |
|                                      | 15      | 0         | 14.24                 | 14.33                 | 14.31                 |                              | 0        |
| 64QAM                                | 1       | 0         | 14.42                 | 14.42                 | 14.60                 | 0-2                          | 0        |
|                                      | 1       | 7         | 14.58                 | 14.64                 | 14.85                 |                              | 0        |
|                                      | 1       | 14        | 14.65                 | 14.71                 | 14.56                 |                              | 0        |
|                                      | 8       | 0         | 14.31                 | 14.21                 | 14.30                 | 0-3                          | 0        |
|                                      | 8       | 4         | 14.18                 | 14.36                 | 14.33                 |                              | 0        |
|                                      | 8       | 7         | 14.16                 | 14.33                 | 14.37                 |                              | 0        |
|                                      | 15      | 0         | 14.24                 | 14.34                 | 14.39                 |                              | 0        |

**Table 8-226**  
**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        | 26365        | 26683        |                              |          |
|                                        |         |           | (1850.7 MHz) | (1882.5 MHz) | (1914.3 MHz) |                              |          |
| Conducted Power [dBm]                  |         |           |              |              |              |                              |          |
| QPSK                                   | 1       | 0         | 14.51        | 14.62        | 14.85        | 0                            | 0        |
|                                        | 1       | 2         | 14.46        | 14.59        | 14.81        |                              | 0        |
|                                        | 1       | 5         | 14.53        | 14.61        | 14.82        |                              | 0        |
|                                        | 3       | 0         | 14.51        | 14.62        | 14.82        |                              | 0        |
|                                        | 3       | 2         | 14.49        | 14.63        | 14.83        |                              | 0        |
|                                        | 3       | 3         | 14.49        | 14.63        | 14.82        |                              | 0        |
|                                        | 6       | 0         | 14.48        | 14.62        | 14.81        | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 14.48        | 14.56        | 14.68        | 0-1                          | 0        |
|                                        | 1       | 2         | 14.43        | 14.51        | 14.74        |                              | 0        |
|                                        | 1       | 5         | 14.45        | 14.68        | 14.59        |                              | 0        |
|                                        | 3       | 0         | 14.25        | 14.22        | 14.42        |                              | 0        |
|                                        | 3       | 2         | 14.24        | 14.42        | 14.35        |                              | 0        |
|                                        | 3       | 3         | 14.18        | 14.43        | 14.44        |                              | 0        |
|                                        | 6       | 0         | 14.17        | 14.40        | 14.34        | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 14.53        | 14.39        | 15.00        | 0-2                          | 0        |
|                                        | 1       | 2         | 14.81        | 14.69        | 14.61        |                              | 0        |
|                                        | 1       | 5         | 14.51        | 14.77        | 14.92        |                              | 0        |
|                                        | 3       | 0         | 14.29        | 14.19        | 14.47        |                              | 0        |
|                                        | 3       | 2         | 14.16        | 14.33        | 14.43        |                              | 0        |
|                                        | 3       | 3         | 14.17        | 14.39        | 14.40        |                              | 0        |
|                                        | 6       | 0         | 14.28        | 14.38        | 14.50        | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 159 of 297                 |

**Table 8-227**  
**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         | 13.77                 | 13.82                 | 13.74                 | 0                            | 0        |
|                                       | 1       | 50        | 13.72                 | 13.60                 | 13.71                 |                              | 0        |
|                                       | 1       | 99        | 13.90                 | 13.93                 | 13.79                 |                              | 0        |
|                                       | 50      | 0         | 13.57                 | 13.57                 | 13.65                 | 0-1                          | 0        |
|                                       | 50      | 25        | 13.69                 | 13.61                 | 13.81                 |                              | 0        |
|                                       | 50      | 50        | 13.75                 | 13.90                 | 13.89                 |                              | 0        |
|                                       | 100     | 0         | 13.74                 | 13.62                 | 13.88                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 13.62                 | 13.77                 | 13.74                 | 0-1                          | 0        |
|                                       | 1       | 50        | 13.51                 | 13.60                 | 13.77                 |                              | 0        |
|                                       | 1       | 99        | 13.69                 | 13.91                 | 13.98                 |                              | 0        |
|                                       | 50      | 0         | 13.31                 | 13.36                 | 13.43                 | 0-2                          | 0        |
|                                       | 50      | 25        | 13.38                 | 13.35                 | 13.55                 |                              | 0        |
|                                       | 50      | 50        | 13.48                 | 13.60                 | 13.70                 |                              | 0        |
|                                       | 100     | 0         | 13.42                 | 13.34                 | 13.63                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 13.21                 | 13.67                 | 13.54                 | 0-2                          | 0        |
|                                       | 1       | 50        | 13.09                 | 13.48                 | 13.49                 |                              | 0        |
|                                       | 1       | 99        | 13.32                 | 13.77                 | 13.77                 |                              | 0        |
|                                       | 50      | 0         | 13.06                 | 13.19                 | 13.24                 | 0-3                          | 0        |
|                                       | 50      | 25        | 13.14                 | 13.22                 | 13.42                 |                              | 0        |
|                                       | 50      | 50        | 13.25                 | 13.46                 | 13.61                 |                              | 0        |
|                                       | 100     | 0         | 13.19                 | 13.20                 | 13.51                 |                              | 0        |

**Table 8-228**  
**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         | 13.40                 | 13.53                 | 13.45                 | 0                            | 0        |
|                                       | 1       | 36        | 13.50                 | 13.56                 | 13.74                 |                              | 0        |
|                                       | 1       | 74        | 13.48                 | 13.82                 | 13.68                 |                              | 0        |
|                                       | 36      | 0         | 13.37                 | 13.36                 | 13.69                 | 0-1                          | 0        |
|                                       | 36      | 18        | 13.52                 | 13.47                 | 13.84                 |                              | 0        |
|                                       | 36      | 37        | 13.47                 | 13.63                 | 13.81                 |                              | 0        |
|                                       | 75      | 0         | 13.53                 | 13.45                 | 13.88                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 13.15                 | 13.43                 | 13.31                 | 0-1                          | 0        |
|                                       | 1       | 36        | 13.44                 | 13.49                 | 13.70                 |                              | 0        |
|                                       | 1       | 74        | 13.34                 | 13.69                 | 13.56                 |                              | 0        |
|                                       | 36      | 0         | 13.11                 | 13.12                 | 13.44                 | 0-2                          | 0        |
|                                       | 36      | 18        | 13.27                 | 13.25                 | 13.60                 |                              | 0        |
|                                       | 36      | 37        | 13.24                 | 13.40                 | 13.57                 |                              | 0        |
|                                       | 75      | 0         | 13.27                 | 13.20                 | 13.61                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 13.13                 | 13.36                 | 13.55                 | 0-2                          | 0        |
|                                       | 1       | 36        | 13.53                 | 13.44                 | 13.79                 |                              | 0        |
|                                       | 1       | 74        | 13.35                 | 13.62                 | 13.86                 |                              | 0        |
|                                       | 36      | 0         | 13.11                 | 13.14                 | 13.48                 | 0-3                          | 0        |
|                                       | 36      | 18        | 13.27                 | 13.25                 | 13.63                 |                              | 0        |
|                                       | 36      | 37        | 13.28                 | 13.40                 | 13.68                 |                              | 0        |
|                                       | 75      | 0         | 13.27                 | 13.20                 | 13.64                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 160 of 297                        |

**Table 8-229**  
**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         | 13.43                 | 13.45                 | 13.63                 | 0                            | 0        |
|                                       | 1       | 25        | 13.32                 | 13.43                 | 13.65                 |                              | 0        |
|                                       | 1       | 49        | 13.45                 | 13.60                 | 13.67                 |                              | 0        |
|                                       | 25      | 0         | 13.46                 | 13.37                 | 13.78                 | 0-1                          | 0        |
|                                       | 25      | 12        | 13.38                 | 13.48                 | 13.82                 |                              | 0        |
|                                       | 25      | 25        | 13.47                 | 13.58                 | 13.70                 |                              | 0        |
| 16QAM                                 | 50      | 0         | 13.40                 | 13.49                 | 13.76                 | 0                            |          |
|                                       | 1       | 0         | 13.27                 | 13.19                 | 13.60                 | 0-1                          | 0        |
|                                       | 1       | 25        | 13.31                 | 13.42                 | 13.64                 |                              | 0        |
|                                       | 1       | 49        | 13.25                 | 13.44                 | 13.66                 |                              | 0        |
|                                       | 25      | 0         | 13.18                 | 13.09                 | 13.57                 | 0-2                          | 0        |
|                                       | 25      | 12        | 13.10                 | 13.24                 | 13.62                 |                              | 0        |
| 25                                    | 25      | 13.21     | 13.36                 | 13.46                 | 0                     |                              |          |
| 64QAM                                 | 50      | 0         | 13.12                 | 13.24                 | 13.59                 | 0                            |          |
|                                       | 1       | 0         | 13.22                 | 13.27                 | 13.82                 | 0-2                          | 0        |
|                                       | 1       | 25        | 13.30                 | 13.37                 | 13.76                 |                              | 0        |
|                                       | 1       | 49        | 13.43                 | 13.54                 | 13.85                 |                              | 0        |
|                                       | 25      | 0         | 13.13                 | 13.14                 | 13.60                 | 0-3                          | 0        |
|                                       | 25      | 12        | 13.08                 | 13.26                 | 13.61                 |                              | 0        |
|                                       | 25      | 25        | 13.22                 | 13.42                 | 13.50                 |                              | 0        |
|                                       | 50      | 0         | 13.13                 | 13.24                 | 13.59                 |                              | 0        |

**Table 8-230**  
**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         | 13.36                 | 13.35                 | 13.56                 | 0                            | 0        |
|                                      | 1       | 12        | 13.37                 | 13.45                 | 13.50                 |                              | 0        |
|                                      | 1       | 24        | 13.34                 | 13.56                 | 13.49                 |                              | 0        |
|                                      | 12      | 0         | 13.33                 | 13.40                 | 13.67                 | 0-1                          | 0        |
|                                      | 12      | 6         | 13.36                 | 13.46                 | 13.63                 |                              | 0        |
|                                      | 12      | 13        | 13.25                 | 13.47                 | 13.68                 |                              | 0        |
| 16QAM                                | 25      | 0         | 13.35                 | 13.47                 | 13.64                 | 0-1                          | 0        |
|                                      | 1       | 0         | 13.27                 | 13.05                 | 13.54                 |                              | 0        |
|                                      | 1       | 12        | 13.18                 | 13.22                 | 13.43                 |                              | 0        |
|                                      | 1       | 24        | 13.19                 | 13.50                 | 13.48                 | 0-2                          | 0        |
|                                      | 12      | 0         | 13.16                 | 13.08                 | 13.47                 |                              | 0        |
|                                      | 12      | 6         | 13.17                 | 13.16                 | 13.44                 |                              | 0        |
| 64QAM                                | 12      | 13        | 13.00                 | 13.25                 | 13.46                 | 0-2                          | 0        |
|                                      | 25      | 0         | 13.12                 | 13.20                 | 13.44                 |                              | 0        |
|                                      | 1       | 0         | 13.37                 | 13.10                 | 13.83                 |                              | 0-2      |
|                                      | 1       | 12        | 13.30                 | 13.21                 | 13.83                 | 0                            |          |
|                                      | 1       | 24        | 13.38                 | 13.53                 | 13.70                 | 0-3                          |          |
|                                      | 12      | 0         | 13.13                 | 13.11                 | 13.48                 |                              | 0        |
| 12                                   | 6       | 13.11     | 13.19                 | 13.45                 | 0                     |                              |          |
|                                      | 12      | 13        | 13.06                 | 13.29                 | 13.50                 | 0-3                          | 0        |
|                                      | 25      | 0         | 13.13                 | 13.16                 | 13.46                 |                              | 0        |

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 161 of 297                        |

**Table 8-231**  
**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                 | 13.27                 | 13.52                 | 0                            | 0        |
|                                      | 1       | 7         | 13.34                 | 13.37                 | 13.63                 |                              | 0        |
|                                      | 1       | 14        | 13.26                 | 13.34                 | 13.48                 |                              | 0        |
|                                      | 8       | 0         | 13.30                 | 13.33                 | 13.69                 | 0-1                          | 0        |
|                                      | 8       | 4         | 13.34                 | 13.38                 | 13.73                 |                              | 0        |
|                                      | 8       | 7         | 13.34                 | 13.42                 | 13.73                 |                              | 0        |
|                                      | 15      | 0         | 13.35                 | 13.42                 | 13.73                 |                              | 0        |
| 16QAM                                | 1       | 0         | 13.24                 | 13.43                 | 13.89                 | 0-1                          | 0        |
|                                      | 1       | 7         | 13.50                 | 13.56                 | 13.83                 |                              | 0        |
|                                      | 1       | 14        | 13.36                 | 13.40                 | 13.66                 |                              | 0        |
|                                      | 8       | 0         | 13.34                 | 13.42                 | 13.82                 | 0-2                          | 0        |
|                                      | 8       | 4         | 13.31                 | 13.41                 | 13.82                 |                              | 0        |
|                                      | 8       | 7         | 13.29                 | 13.43                 | 13.80                 |                              | 0        |
|                                      | 15      | 0         | 13.28                 | 13.44                 | 13.80                 |                              | 0        |
| 64QAM                                | 1       | 0         | 13.42                 | 13.43                 | 13.98                 | 0-2                          | 0        |
|                                      | 1       | 7         | 13.38                 | 13.48                 | 13.98                 |                              | 0        |
|                                      | 1       | 14        | 13.29                 | 13.57                 | 13.98                 |                              | 0        |
|                                      | 8       | 0         | 13.32                 | 13.39                 | 13.70                 | 0-3                          | 0        |
|                                      | 8       | 4         | 13.32                 | 13.47                 | 13.89                 |                              | 0        |
|                                      | 8       | 7         | 13.32                 | 13.46                 | 13.83                 |                              | 0        |
|                                      | 15      | 0         | 13.26                 | 13.43                 | 13.82                 |                              | 0        |

**Table 8-232**  
**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         | 13.38                 | 13.40                 | 13.91                 | 0                            | 0        |
|                                        | 1       | 2         | 13.36                 | 13.37                 | 13.87                 |                              | 0        |
|                                        | 1       | 5         | 13.43                 | 13.38                 | 13.80                 |                              | 0        |
|                                        | 3       | 0         | 13.39                 | 13.37                 | 13.75                 |                              | 0        |
|                                        | 3       | 2         | 13.41                 | 13.37                 | 13.75                 |                              | 0        |
|                                        | 3       | 3         | 13.43                 | 13.38                 | 13.65                 |                              | 0        |
|                                        | 6       | 0         | 13.40                 | 13.38                 | 13.73                 | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 13.27                 | 13.37                 | 13.79                 | 0-1                          | 0        |
|                                        | 1       | 2         | 13.11                 | 13.32                 | 13.69                 |                              | 0        |
|                                        | 1       | 5         | 13.34                 | 13.29                 | 13.60                 |                              | 0        |
|                                        | 3       | 0         | 13.10                 | 13.19                 | 13.55                 |                              | 0        |
|                                        | 3       | 2         | 13.18                 | 13.24                 | 13.50                 |                              | 0        |
|                                        | 3       | 3         | 13.08                 | 13.29                 | 13.47                 |                              | 0        |
|                                        | 6       | 0         | 13.15                 | 13.21                 | 13.51                 | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 13.24                 | 13.35                 | 13.75                 | 0-2                          | 0        |
|                                        | 1       | 2         | 13.22                 | 13.25                 | 13.70                 |                              | 0        |
|                                        | 1       | 5         | 13.18                 | 13.27                 | 13.73                 |                              | 0        |
|                                        | 3       | 0         | 13.16                 | 13.22                 | 13.66                 |                              | 0        |
|                                        | 3       | 2         | 13.06                 | 13.24                 | 13.64                 |                              | 0        |
|                                        | 3       | 3         | 13.07                 | 13.30                 | 13.57                 |                              | 0        |
|                                        | 6       | 0         | 13.04                 | 13.24                 | 13.49                 | 0-3                          | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 162 of 297                 |

**Table 8-233**  
**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         | 14.43                 | 14.44                 | 14.56                 | 0                            | 0        |
|                                       | 1       | 50        | 14.24                 | 14.40                 | 14.60                 |                              | 0        |
|                                       | 1       | 99        | 14.42                 | 14.48                 | 14.62                 |                              | 0        |
|                                       | 50      | 0         | 14.24                 | 14.50                 | 14.77                 | 0-1                          | 0        |
|                                       | 50      | 25        | 14.22                 | 14.50                 | 14.55                 |                              | 0        |
|                                       | 50      | 50        | 14.33                 | 14.51                 | 14.56                 |                              | 0        |
|                                       | 100     | 0         | 14.24                 | 14.51                 | 14.56                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 14.33                 | 14.65                 | 14.47                 | 0-1                          | 0        |
|                                       | 1       | 50        | 14.31                 | 14.61                 | 14.57                 |                              | 0        |
|                                       | 1       | 99        | 14.40                 | 14.68                 | 14.61                 |                              | 0        |
|                                       | 50      | 0         | 14.11                 | 14.20                 | 14.43                 | 0-2                          | 0        |
|                                       | 50      | 25        | 14.14                 | 14.21                 | 14.28                 |                              | 0        |
|                                       | 50      | 50        | 14.18                 | 14.22                 | 14.27                 |                              | 0        |
|                                       | 100     | 0         | 14.04                 | 14.22                 | 14.26                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 14.21                 | 14.28                 | 14.21                 | 0-2                          | 0        |
|                                       | 1       | 50        | 14.20                 | 14.25                 | 14.23                 |                              | 0        |
|                                       | 1       | 99        | 14.31                 | 14.21                 | 14.25                 |                              | 0        |
|                                       | 50      | 0         | 14.25                 | 14.23                 | 14.28                 | 0-3                          | 0        |
|                                       | 50      | 25        | 14.29                 | 14.15                 | 14.24                 |                              | 0        |
|                                       | 50      | 50        | 14.19                 | 14.29                 | 14.21                 |                              | 0        |
|                                       | 100     | 0         | 14.27                 | 14.25                 | 14.20                 |                              | 0        |

**Table 8-234**  
**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         | 14.58                 | 14.35                 | 14.38                 | 0                            | 0        |
|                                       | 1       | 36        | 14.41                 | 14.18                 | 14.18                 |                              | 0        |
|                                       | 1       | 74        | 14.54                 | 14.48                 | 14.61                 |                              | 0        |
|                                       | 36      | 0         | 14.28                 | 14.25                 | 14.42                 | 0-1                          | 0        |
|                                       | 36      | 18        | 14.23                 | 14.17                 | 14.26                 |                              | 0        |
|                                       | 36      | 37        | 14.25                 | 14.22                 | 14.37                 |                              | 0        |
|                                       | 75      | 0         | 14.22                 | 14.15                 | 14.29                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 14.56                 | 14.55                 | 14.60                 | 0-1                          | 0        |
|                                       | 1       | 36        | 14.47                 | 14.30                 | 14.45                 |                              | 0        |
|                                       | 1       | 74        | 14.67                 | 14.52                 | 14.75                 |                              | 0        |
|                                       | 36      | 0         | 13.95                 | 13.88                 | 13.92                 | 0-2                          | 0        |
|                                       | 36      | 18        | 13.80                 | 13.80                 | 13.83                 |                              | 0        |
|                                       | 36      | 37        | 13.90                 | 13.81                 | 13.86                 |                              | 0        |
|                                       | 75      | 0         | 13.82                 | 13.85                 | 13.82                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 14.33                 | 14.57                 | 14.55                 | 0-2                          | 0        |
|                                       | 1       | 36        | 14.23                 | 14.37                 | 14.35                 |                              | 0        |
|                                       | 1       | 74        | 14.35                 | 14.65                 | 14.65                 |                              | 0        |
|                                       | 36      | 0         | 14.13                 | 14.20                 | 14.45                 | 0-3                          | 0        |
|                                       | 36      | 18        | 14.11                 | 14.13                 | 14.25                 |                              | 0        |
|                                       | 36      | 37        | 14.15                 | 14.23                 | 14.26                 |                              | 0        |
|                                       | 75      | 0         | 14.11                 | 14.16                 | 14.24                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 163 of 297                        |

**Table 8-235**  
**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         | 14.13                 | 14.25                 | 14.28                 | 0                            | 0        |
|                                       | 1       | 25        | 14.00                 | 14.05                 | 14.09                 |                              | 0        |
|                                       | 1       | 49        | 14.03                 | 14.18                 | 14.40                 |                              | 0        |
|                                       | 25      | 0         | 14.05                 | 14.07                 | 14.13                 | 0-1                          | 0        |
|                                       | 25      | 12        | 14.07                 | 13.97                 | 14.12                 |                              | 0        |
|                                       | 25      | 25        | 14.02                 | 13.99                 | 14.35                 |                              | 0        |
|                                       | 50      | 0         | 14.02                 | 13.95                 | 14.12                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 14.30                 | 14.48                 | 14.41                 | 0-1                          | 0        |
|                                       | 1       | 25        | 14.13                 | 14.03                 | 14.22                 |                              | 0        |
|                                       | 1       | 49        | 14.07                 | 14.29                 | 14.50                 |                              | 0        |
|                                       | 25      | 0         | 14.05                 | 14.08                 | 14.14                 | 0-2                          | 0        |
|                                       | 25      | 12        | 14.06                 | 13.97                 | 14.15                 |                              | 0        |
|                                       | 25      | 25        | 14.01                 | 13.99                 | 14.37                 |                              | 0        |
|                                       | 50      | 0         | 13.99                 | 13.97                 | 14.10                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 14.32                 | 14.30                 | 14.58                 | 0-2                          | 0        |
|                                       | 1       | 25        | 14.28                 | 14.37                 | 14.39                 |                              | 0        |
|                                       | 1       | 49        | 14.29                 | 14.28                 | 14.53                 |                              | 0        |
|                                       | 25      | 0         | 14.07                 | 14.25                 | 14.28                 | 0-3                          | 0        |
|                                       | 25      | 12        | 14.12                 | 14.17                 | 14.24                 |                              | 0        |
|                                       | 25      | 25        | 14.11                 | 14.14                 | 14.39                 |                              | 0        |
|                                       | 50      | 0         | 14.04                 | 14.13                 | 14.18                 |                              | 0        |

**Table 8-236**  
**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         | 14.18                 | 14.08                 | 14.11                 | 0                            | 0        |
|                                      | 1       | 12        | 13.95                 | 13.88                 | 14.27                 |                              | 0        |
|                                      | 1       | 24        | 13.95                 | 13.91                 | 14.38                 |                              | 0        |
|                                      | 12      | 0         | 14.16                 | 13.98                 | 14.15                 | 0-1                          | 0        |
|                                      | 12      | 6         | 14.06                 | 13.97                 | 14.34                 |                              | 0        |
|                                      | 12      | 13        | 14.05                 | 13.90                 | 14.48                 |                              | 0        |
|                                      | 25      | 0         | 14.07                 | 13.96                 | 14.35                 |                              | 0        |
| 16QAM                                | 1       | 0         | 14.38                 | 14.27                 | 14.22                 | 0-1                          | 0        |
|                                      | 1       | 12        | 14.13                 | 13.99                 | 14.35                 |                              | 0        |
|                                      | 1       | 24        | 14.16                 | 14.01                 | 14.55                 |                              | 0        |
|                                      | 12      | 0         | 14.18                 | 13.98                 | 14.13                 | 0-2                          | 0        |
|                                      | 12      | 6         | 14.08                 | 13.97                 | 14.35                 |                              | 0        |
|                                      | 12      | 13        | 14.09                 | 13.91                 | 14.47                 |                              | 0        |
|                                      | 25      | 0         | 14.10                 | 13.99                 | 14.36                 |                              | 0        |
| 64QAM                                | 1       | 0         | 14.27                 | 14.31                 | 14.39                 | 0-2                          | 0        |
|                                      | 1       | 12        | 14.15                 | 14.12                 | 14.62                 |                              | 0        |
|                                      | 1       | 24        | 14.15                 | 14.10                 | 14.73                 |                              | 0        |
|                                      | 12      | 0         | 14.10                 | 14.02                 | 14.20                 | 0-3                          | 0        |
|                                      | 12      | 6         | 14.02                 | 14.04                 | 14.32                 |                              | 0        |
|                                      | 12      | 13        | 14.11                 | 14.01                 | 14.52                 |                              | 0        |
|                                      | 25      | 0         | 14.07                 | 14.06                 | 14.35                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 164 of 297                        |

**Table 8-237**  
**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         | 14.12                 | 13.84                 | 14.33                 | 0                            | 0        |
|                                      | 1       | 7         | 14.05                 | 13.83                 | 14.35                 |                              | 0        |
|                                      | 1       | 14        | 13.94                 | 13.82                 | 14.25                 |                              | 0        |
|                                      | 8       | 0         | 14.14                 | 13.82                 | 14.42                 | 0-1                          | 0        |
|                                      | 8       | 4         | 14.07                 | 13.82                 | 14.42                 |                              | 0        |
|                                      | 8       | 7         | 13.99                 | 13.82                 | 14.40                 |                              | 0        |
|                                      | 15      | 0         | 14.07                 | 13.86                 | 14.46                 |                              | 0        |
| 16QAM                                | 1       | 0         | 14.34                 | 13.89                 | 14.49                 | 0-1                          | 0        |
|                                      | 1       | 7         | 14.26                 | 13.98                 | 14.50                 |                              | 0        |
|                                      | 1       | 14        | 14.18                 | 13.90                 | 14.48                 |                              | 0        |
|                                      | 8       | 0         | 14.18                 | 13.93                 | 14.48                 | 0-2                          | 0        |
|                                      | 8       | 4         | 14.07                 | 13.92                 | 14.49                 |                              | 0        |
|                                      | 8       | 7         | 13.99                 | 13.90                 | 14.44                 |                              | 0        |
|                                      | 15      | 0         | 14.15                 | 13.85                 | 14.46                 |                              | 0        |
| 64QAM                                | 1       | 0         | 14.31                 | 13.97                 | 14.36                 | 0-2                          | 0        |
|                                      | 1       | 7         | 14.23                 | 14.07                 | 14.56                 |                              | 0        |
|                                      | 1       | 14        | 14.09                 | 14.27                 | 14.60                 |                              | 0        |
|                                      | 8       | 0         | 14.22                 | 14.01                 | 14.35                 | 0-3                          | 0        |
|                                      | 8       | 4         | 14.13                 | 13.94                 | 14.48                 |                              | 0        |
|                                      | 8       | 7         | 14.11                 | 13.94                 | 14.41                 |                              | 0        |
|                                      | 15      | 0         | 14.13                 | 13.97                 | 14.45                 |                              | 0        |

**Table 8-238**  
**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         | 13.99                 | 13.85                 | 14.29                 | 0                            | 0        |
|                                        | 1       | 2         | 14.07                 | 13.86                 | 14.38                 |                              | 0        |
|                                        | 1       | 5         | 13.99                 | 13.82                 | 14.28                 |                              | 0        |
|                                        | 3       | 0         | 14.14                 | 13.88                 | 14.44                 |                              | 0        |
|                                        | 3       | 2         | 14.13                 | 13.88                 | 14.42                 |                              | 0        |
|                                        | 3       | 3         | 14.07                 | 13.88                 | 14.42                 |                              | 0        |
|                                        | 6       | 0         | 14.13                 | 13.91                 | 14.44                 | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 14.11                 | 14.06                 | 14.48                 | 0-1                          | 0        |
|                                        | 1       | 2         | 14.23                 | 13.88                 | 14.43                 |                              | 0        |
|                                        | 1       | 5         | 14.17                 | 13.90                 | 14.35                 |                              | 0        |
|                                        | 3       | 0         | 14.20                 | 13.93                 | 14.46                 |                              | 0        |
|                                        | 3       | 2         | 14.17                 | 13.93                 | 14.47                 |                              | 0        |
|                                        | 3       | 3         | 14.14                 | 13.93                 | 14.48                 |                              | 0        |
|                                        | 6       | 0         | 14.16                 | 13.89                 | 14.46                 | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 14.12                 | 14.08                 | 14.67                 | 0-2                          | 0        |
|                                        | 1       | 2         | 14.16                 | 14.13                 | 14.70                 |                              | 0        |
|                                        | 1       | 5         | 14.12                 | 13.97                 | 14.68                 |                              | 0        |
|                                        | 3       | 0         | 14.20                 | 14.04                 | 14.58                 |                              | 0        |
|                                        | 3       | 2         | 14.15                 | 13.97                 | 14.53                 |                              | 0        |
|                                        | 3       | 3         | 14.03                 | 13.98                 | 14.38                 |                              | 0        |
|                                        | 6       | 0         | 14.12                 | 13.98                 | 14.49                 | 0-3                          | 0        |

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 165 of 297                        |

**Table 8-239**  
**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         | 13.06                 | 12.80                 | 12.77                 | 0                            | 0        |
|                                       | 1       | 50        | 13.13                 | 12.97                 | 12.93                 |                              | 0        |
|                                       | 1       | 99        | 12.92                 | 12.92                 | 12.98                 |                              | 0        |
|                                       | 50      | 0         | 13.18                 | 13.12                 | 13.00                 | 0-1                          | 0        |
|                                       | 50      | 25        | 13.16                 | 13.09                 | 13.05                 |                              | 0        |
|                                       | 50      | 50        | 13.02                 | 13.04                 | 12.95                 |                              | 0        |
|                                       | 100     | 0         | 13.12                 | 13.12                 | 13.11                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 13.22                 | 13.09                 | 13.14                 | 0-1                          | 0        |
|                                       | 1       | 50        | 13.25                 | 13.28                 | 13.22                 |                              | 0        |
|                                       | 1       | 99        | 13.06                 | 13.24                 | 13.30                 |                              | 0        |
|                                       | 50      | 0         | 13.22                 | 13.14                 | 13.01                 | 0-2                          | 0        |
|                                       | 50      | 25        | 13.18                 | 13.12                 | 13.07                 |                              | 0        |
|                                       | 50      | 50        | 13.04                 | 13.05                 | 12.94                 |                              | 0        |
|                                       | 100     | 0         | 13.21                 | 13.14                 | 13.10                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 13.22                 | 13.22                 | 13.17                 | 0-2                          | 0        |
|                                       | 1       | 50        | 13.24                 | 13.36                 | 13.30                 |                              | 0        |
|                                       | 1       | 99        | 13.00                 | 13.31                 | 13.38                 |                              | 0        |
|                                       | 50      | 0         | 13.16                 | 13.14                 | 13.01                 | 0-3                          | 0        |
|                                       | 50      | 25        | 13.17                 | 13.11                 | 13.05                 |                              | 0        |
|                                       | 50      | 50        | 13.14                 | 13.04                 | 12.94                 |                              | 0        |
|                                       | 100     | 0         | 13.14                 | 13.14                 | 13.11                 |                              | 0        |

**Table 8-240**  
**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         | 12.84                 | 12.66                 | 12.50                 | 0                            | 0        |
|                                       | 1       | 36        | 12.88                 | 12.76                 | 12.69                 |                              | 0        |
|                                       | 1       | 74        | 12.61                 | 12.52                 | 12.68                 |                              | 0        |
|                                       | 36      | 0         | 12.85                 | 12.90                 | 12.74                 | 0-1                          | 0        |
|                                       | 36      | 18        | 12.81                 | 12.86                 | 12.79                 |                              | 0        |
|                                       | 36      | 37        | 12.75                 | 12.70                 | 12.75                 |                              | 0        |
|                                       | 75      | 0         | 12.84                 | 12.83                 | 12.78                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 12.95                 | 12.76                 | 12.58                 | 0-1                          | 0        |
|                                       | 1       | 36        | 13.12                 | 13.06                 | 12.66                 |                              | 0        |
|                                       | 1       | 74        | 12.68                 | 12.63                 | 12.87                 |                              | 0        |
|                                       | 36      | 0         | 12.85                 | 12.92                 | 12.74                 | 0-2                          | 0        |
|                                       | 36      | 18        | 12.84                 | 12.86                 | 12.77                 |                              | 0        |
|                                       | 36      | 37        | 12.76                 | 12.71                 | 12.73                 |                              | 0        |
|                                       | 75      | 0         | 12.80                 | 12.85                 | 12.78                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 12.93                 | 12.84                 | 12.81                 | 0-2                          | 0        |
|                                       | 1       | 36        | 12.82                 | 12.82                 | 13.06                 |                              | 0        |
|                                       | 1       | 74        | 12.68                 | 12.75                 | 13.09                 |                              | 0        |
|                                       | 36      | 0         | 12.85                 | 12.93                 | 12.77                 | 0-3                          | 0        |
|                                       | 36      | 18        | 12.83                 | 12.86                 | 12.81                 |                              | 0        |
|                                       | 36      | 37        | 12.76                 | 12.72                 | 12.77                 |                              | 0        |
|                                       | 75      | 0         | 12.82                 | 12.82                 | 12.79                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 166 of 297                        |

**Table 8-241**  
**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         | 12.72                 | 12.68                 | 12.65                 | 0                            | 0        |
|                                       | 1       | 25        | 12.86                 | 12.58                 | 12.64                 |                              | 0        |
|                                       | 1       | 49        | 12.87                 | 12.55                 | 12.66                 |                              | 0        |
|                                       | 25      | 0         | 12.84                 | 12.76                 | 12.69                 | 0-1                          | 0        |
|                                       | 25      | 12        | 12.93                 | 12.68                 | 12.66                 |                              | 0        |
|                                       | 25      | 25        | 12.95                 | 12.67                 | 12.68                 |                              | 0        |
|                                       | 50      | 0         | 12.92                 | 12.68                 | 12.65                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 12.99                 | 12.90                 | 12.76                 | 0-1                          | 0        |
|                                       | 1       | 25        | 13.11                 | 12.77                 | 12.79                 |                              | 0        |
|                                       | 1       | 49        | 13.01                 | 12.72                 | 12.82                 |                              | 0        |
|                                       | 25      | 0         | 12.84                 | 12.77                 | 12.73                 | 0-2                          | 0        |
|                                       | 25      | 12        | 12.95                 | 12.70                 | 12.63                 |                              | 0        |
|                                       | 25      | 25        | 12.96                 | 12.70                 | 12.70                 |                              | 0        |
|                                       | 50      | 0         | 12.96                 | 12.71                 | 12.67                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 12.90                 | 12.89                 | 12.93                 | 0-2                          | 0        |
|                                       | 1       | 25        | 13.12                 | 12.67                 | 12.89                 |                              | 0        |
|                                       | 1       | 49        | 13.03                 | 12.63                 | 12.99                 |                              | 0        |
|                                       | 25      | 0         | 12.87                 | 12.73                 | 12.70                 | 0-3                          | 0        |
|                                       | 25      | 12        | 12.94                 | 12.64                 | 12.65                 |                              | 0        |
|                                       | 25      | 25        | 12.96                 | 12.65                 | 12.67                 |                              | 0        |
|                                       | 50      | 0         | 12.97                 | 12.70                 | 12.66                 |                              | 0        |

**Table 8-242**  
**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         | 12.57                 | 12.72                 | 12.56                 | 0                            | 0        |
|                                      | 1       | 12        | 12.68                 | 12.63                 | 12.50                 |                              | 0        |
|                                      | 1       | 24        | 12.79                 | 12.68                 | 12.54                 |                              | 0        |
|                                      | 12      | 0         | 12.70                 | 12.71                 | 12.54                 | 0-1                          | 0        |
|                                      | 12      | 6         | 12.75                 | 12.64                 | 12.55                 |                              | 0        |
|                                      | 12      | 13        | 12.81                 | 12.60                 | 12.55                 |                              | 0        |
|                                      | 25      | 0         | 12.74                 | 12.65                 | 12.58                 |                              | 0        |
| 16QAM                                | 1       | 0         | 12.81                 | 12.87                 | 12.50                 | 0-1                          | 0        |
|                                      | 1       | 12        | 13.03                 | 12.73                 | 12.54                 |                              | 0        |
|                                      | 1       | 24        | 12.99                 | 12.84                 | 12.75                 |                              | 0        |
|                                      | 12      | 0         | 12.70                 | 12.73                 | 12.50                 | 0-2                          | 0        |
|                                      | 12      | 6         | 12.79                 | 12.62                 | 12.56                 |                              | 0        |
|                                      | 12      | 13        | 12.82                 | 12.58                 | 12.57                 |                              | 0        |
|                                      | 25      | 0         | 12.71                 | 12.66                 | 12.60                 |                              | 0        |
| 64QAM                                | 1       | 0         | 12.81                 | 13.02                 | 13.00                 | 0-2                          | 0        |
|                                      | 1       | 12        | 12.85                 | 12.94                 | 12.88                 |                              | 0        |
|                                      | 1       | 24        | 12.93                 | 13.00                 | 12.96                 |                              | 0        |
|                                      | 12      | 0         | 12.76                 | 12.70                 | 12.54                 | 0-3                          | 0        |
|                                      | 12      | 6         | 12.81                 | 12.66                 | 12.58                 |                              | 0        |
|                                      | 12      | 13        | 12.85                 | 12.60                 | 12.62                 |                              | 0        |
|                                      | 25      | 0         | 12.75                 | 12.65                 | 12.60                 |                              | 0        |

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 167 of 297                        |

**Table 8-243**  
**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         | 12.57                 | 12.58                 | 12.50                 | 0                            | 0        |
|                                      | 1       | 7         | 12.60                 | 12.53                 | 12.53                 |                              | 0        |
|                                      | 1       | 14        | 12.60                 | 12.51                 | 12.51                 |                              | 0        |
|                                      | 8       | 0         | 12.69                 | 12.59                 | 12.51                 | 0-1                          | 0        |
|                                      | 8       | 4         | 12.68                 | 12.60                 | 12.51                 |                              | 0        |
|                                      | 8       | 7         | 12.73                 | 12.59                 | 12.59                 |                              | 0        |
|                                      | 15      | 0         | 12.70                 | 12.61                 | 12.52                 |                              | 0        |
| 16QAM                                | 1       | 0         | 12.65                 | 12.69                 | 12.51                 | 0-1                          | 0        |
|                                      | 1       | 7         | 12.74                 | 12.60                 | 12.53                 |                              | 0        |
|                                      | 1       | 14        | 12.80                 | 12.61                 | 12.54                 |                              | 0        |
|                                      | 8       | 0         | 12.80                 | 12.60                 | 12.52                 | 0-2                          | 0        |
|                                      | 8       | 4         | 12.72                 | 12.67                 | 12.50                 |                              | 0        |
|                                      | 8       | 7         | 12.79                 | 12.67                 | 12.59                 |                              | 0        |
|                                      | 15      | 0         | 12.71                 | 12.61                 | 12.54                 |                              | 0        |
| 64QAM                                | 1       | 0         | 12.73                 | 12.65                 | 12.68                 | 0-2                          | 0        |
|                                      | 1       | 7         | 12.83                 | 12.74                 | 12.71                 |                              | 0        |
|                                      | 1       | 14        | 12.82                 | 12.63                 | 12.77                 |                              | 0        |
|                                      | 8       | 0         | 12.71                 | 12.59                 | 12.58                 | 0-3                          | 0        |
|                                      | 8       | 4         | 12.73                 | 12.61                 | 12.52                 |                              | 0        |
|                                      | 8       | 7         | 12.82                 | 12.63                 | 12.68                 |                              | 0        |
|                                      | 15      | 0         | 12.69                 | 12.59                 | 12.54                 |                              | 0        |

**Table 8-244**  
**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         | 12.57                 | 12.68                 | 12.83                 | 0                            | 0        |
|                                        | 1       | 2         | 12.65                 | 12.65                 | 12.80                 |                              | 0        |
|                                        | 1       | 5         | 12.65                 | 12.67                 | 12.88                 |                              | 0        |
|                                        | 3       | 0         | 12.64                 | 12.73                 | 12.72                 |                              | 0        |
|                                        | 3       | 2         | 12.71                 | 12.74                 | 12.75                 |                              | 0        |
|                                        | 3       | 3         | 12.69                 | 12.75                 | 12.78                 |                              | 0        |
|                                        | 6       | 0         | 12.72                 | 12.74                 | 12.75                 | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 12.80                 | 12.77                 | 12.93                 | 0-1                          | 0        |
|                                        | 1       | 2         | 12.92                 | 12.85                 | 12.97                 |                              | 0        |
|                                        | 1       | 5         | 12.84                 | 12.85                 | 12.99                 |                              | 0        |
|                                        | 3       | 0         | 12.70                 | 12.72                 | 12.72                 |                              | 0        |
|                                        | 3       | 2         | 12.78                 | 12.79                 | 12.86                 |                              | 0        |
|                                        | 3       | 3         | 12.83                 | 12.74                 | 12.79                 |                              | 0        |
|                                        | 6       | 0         | 12.77                 | 12.74                 | 12.73                 | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 12.92                 | 12.91                 | 12.87                 | 0-2                          | 0        |
|                                        | 1       | 2         | 12.93                 | 12.85                 | 12.76                 |                              | 0        |
|                                        | 1       | 5         | 12.90                 | 12.89                 | 12.89                 |                              | 0        |
|                                        | 3       | 0         | 12.71                 | 12.72                 | 12.88                 |                              | 0        |
|                                        | 3       | 2         | 12.82                 | 12.70                 | 12.75                 |                              | 0        |
|                                        | 3       | 3         | 12.72                 | 12.73                 | 12.81                 |                              | 0        |
|                                        | 6       | 0         | 12.88                 | 12.67                 | 12.72                 | 0-3                          | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 168 of 297                        |

## 8.3.11

## LTE Band 30

Table 8-245

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         | 13.18                                             | 0                            | 0        |
|                                 | 1       | 25        | 13.26                                             |                              | 0        |
|                                 | 1       | 49        | 13.10                                             |                              | 0        |
|                                 | 25      | 0         | 13.30                                             | 0-1                          | 0        |
|                                 | 25      | 12        | 13.40                                             |                              | 0        |
|                                 | 25      | 25        | 13.28                                             |                              | 0        |
| 16QAM                           | 50      | 0         | 13.25                                             | 0-1                          | 0        |
|                                 | 1       | 0         | 13.50                                             |                              | 0        |
|                                 | 1       | 25        | 13.60                                             |                              | 0        |
|                                 | 1       | 49        | 13.48                                             | 0-2                          | 0        |
|                                 | 25      | 0         | 13.34                                             |                              | 0        |
|                                 | 25      | 12        | 13.40                                             |                              | 0        |
| 64QAM                           | 25      | 25        | 13.26                                             | 0-2                          | 0        |
|                                 | 50      | 0         | 13.33                                             |                              | 0        |
|                                 | 1       | 0         | 13.40                                             | 0-2                          | 0        |
|                                 | 1       | 25        | 13.54                                             |                              | 0        |
|                                 | 1       | 49        | 13.26                                             |                              | 0        |
|                                 | 25      | 0         | 13.30                                             | 0-3                          | 0        |
|                                 | 25      | 12        | 13.40                                             |                              | 0        |
|                                 | 25      | 25        | 13.28                                             |                              | 0        |
|                                 | 50      | 0         | 13.31                                             |                              | 0        |

Table 8-246

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         | 13.34                                             | 0                            | 0        |
|                                | 1       | 12        | 13.34                                             |                              | 0        |
|                                | 1       | 24        | 13.25                                             |                              | 0        |
|                                | 12      | 0         | 13.30                                             | 0-1                          | 0        |
|                                | 12      | 6         | 13.34                                             |                              | 0        |
|                                | 12      | 13        | 13.33                                             |                              | 0        |
| 16QAM                          | 25      | 0         | 13.29                                             | 0-1                          | 0        |
|                                | 1       | 0         | 13.50                                             |                              | 0        |
|                                | 1       | 12        | 13.40                                             |                              | 0        |
|                                | 1       | 24        | 13.36                                             | 0-2                          | 0        |
|                                | 12      | 0         | 13.34                                             |                              | 0        |
|                                | 12      | 6         | 13.36                                             |                              | 0        |
| 64QAM                          | 12      | 13        | 13.34                                             | 0-2                          | 0        |
|                                | 25      | 0         | 13.31                                             |                              | 0        |
|                                | 1       | 0         | 13.60                                             |                              | 0        |
|                                | 1       | 12        | 13.57                                             | 0-3                          | 0        |
|                                | 1       | 24        | 13.48                                             |                              | 0        |
|                                | 12      | 0         | 13.32                                             |                              | 0        |
|                                | 12      | 6         | 13.37                                             |                              | 0        |
|                                | 12      | 13        | 13.34                                             |                              | 0        |
|                                | 25      | 0         | 13.25                                             |                              | 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>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 169 of 297                 |

**Table 8-247**  
**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)<br>Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 10.13                                             | 0                            | 0        |
|                                 | 1       | 25        | 10.25                                             |                              | 0        |
|                                 | 1       | 49        | 10.11                                             |                              | 0        |
|                                 | 25      | 0         | 10.30                                             | 0-1                          | 0        |
|                                 | 25      | 12        | 10.37                                             |                              | 0        |
|                                 | 25      | 25        | 10.28                                             |                              | 0        |
|                                 | 50      | 0         | 10.23                                             |                              | 0        |
| 16QAM                           | 1       | 0         | 10.33                                             | 0-1                          | 0        |
|                                 | 1       | 25        | 10.48                                             |                              | 0        |
|                                 | 1       | 49        | 10.18                                             |                              | 0        |
|                                 | 25      | 0         | 10.38                                             | 0-2                          | 0        |
|                                 | 25      | 12        | 10.50                                             |                              | 0        |
|                                 | 25      | 25        | 10.29                                             |                              | 0        |
|                                 | 50      | 0         | 10.43                                             |                              | 0        |
| 64QAM                           | 1       | 0         | 10.35                                             | 0-2                          | 0        |
|                                 | 1       | 25        | 10.48                                             |                              | 0        |
|                                 | 1       | 49        | 10.35                                             |                              | 0        |
|                                 | 25      | 0         | 10.19                                             | 0-3                          | 0        |
|                                 | 25      | 12        | 10.34                                             |                              | 0        |
|                                 | 25      | 25        | 10.18                                             |                              | 0        |
|                                 | 50      | 0         | 10.21                                             |                              | 0        |

**Table 8-248**  
**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)<br>Conducted Power<br>[dBm] |                              |          |
| QPSK                           | 1       | 0         | 10.13                                             | 0                            | 0        |
|                                | 1       | 12        | 10.18                                             |                              | 0        |
|                                | 1       | 24        | 10.01                                             |                              | 0        |
|                                | 12      | 0         | 10.31                                             | 0-1                          | 0        |
|                                | 12      | 6         | 10.36                                             |                              | 0        |
|                                | 12      | 13        | 10.32                                             |                              | 0        |
|                                | 25      | 0         | 10.30                                             |                              | 0        |
| 16QAM                          | 1       | 0         | 10.18                                             | 0-1                          | 0        |
|                                | 1       | 12        | 10.22                                             |                              | 0        |
|                                | 1       | 24        | 10.19                                             |                              | 0        |
|                                | 12      | 0         | 10.21                                             | 0-2                          | 0        |
|                                | 12      | 6         | 10.24                                             |                              | 0        |
|                                | 12      | 13        | 10.16                                             |                              | 0        |
|                                | 25      | 0         | 10.21                                             |                              | 0        |
| 64QAM                          | 1       | 0         | 10.29                                             | 0-2                          | 0        |
|                                | 1       | 12        | 10.25                                             |                              | 0        |
|                                | 1       | 24        | 10.21                                             |                              | 0        |
|                                | 12      | 0         | 10.08                                             | 0-3                          | 0        |
|                                | 12      | 6         | 10.18                                             |                              | 0        |
|                                | 12      | 13        | 10.11                                             |                              | 0        |
|                                | 25      | 0         | 10.02                                             |                              | 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>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 170 of 297                 |

**Table 8-249**  
**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         | 12.22                    | 0                            | 0        |
|                                 | 1       | 25        | 12.46                    |                              | 0        |
|                                 | 1       | 49        | 12.16                    |                              | 0        |
|                                 | 25      | 0         | 12.38                    | 0-1                          | 0        |
|                                 | 25      | 12        | 12.46                    |                              | 0        |
|                                 | 25      | 25        | 12.28                    |                              | 0        |
|                                 | 50      | 0         | 12.44                    |                              | 0        |
| 16QAM                           | 1       | 0         | 12.28                    | 0-1                          | 0        |
|                                 | 1       | 25        | 12.41                    |                              | 0        |
|                                 | 1       | 49        | 12.22                    |                              | 0        |
|                                 | 25      | 0         | 12.11                    | 0-2                          | 0        |
|                                 | 25      | 12        | 12.24                    |                              | 0        |
|                                 | 25      | 25        | 12.10                    |                              | 0        |
|                                 | 50      | 0         | 12.27                    |                              | 0        |
| 64QAM                           | 1       | 0         | 12.41                    | 0-2                          | 0        |
|                                 | 1       | 25        | 12.32                    |                              | 0        |
|                                 | 1       | 49        | 12.16                    |                              | 0        |
|                                 | 25      | 0         | 12.11                    | 0-3                          | 0        |
|                                 | 25      | 12        | 12.18                    |                              | 0        |
|                                 | 25      | 25        | 12.10                    |                              | 0        |
|                                 | 50      | 0         | 12.26                    |                              | 0        |

**Table 8-250**  
**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         | 12.19                    | 0                            | 0        |
|                                | 1       | 12        | 12.43                    |                              | 0        |
|                                | 1       | 24        | 12.13                    |                              | 0        |
|                                | 12      | 0         | 12.35                    | 0-1                          | 0        |
|                                | 12      | 6         | 12.43                    |                              | 0        |
|                                | 12      | 13        | 12.25                    |                              | 0        |
|                                | 25      | 0         | 12.41                    |                              | 0        |
| 16QAM                          | 1       | 0         | 12.24                    | 0-1                          | 0        |
|                                | 1       | 12        | 12.37                    |                              | 0        |
|                                | 1       | 24        | 12.18                    |                              | 0        |
|                                | 12      | 0         | 12.15                    | 0-2                          | 0        |
|                                | 12      | 6         | 12.20                    |                              | 0        |
|                                | 12      | 13        | 12.14                    |                              | 0        |
|                                | 25      | 0         | 12.23                    |                              | 0        |
| 64QAM                          | 1       | 0         | 12.33                    | 0-2                          | 0        |
|                                | 1       | 12        | 12.24                    |                              | 0        |
|                                | 1       | 24        | 12.11                    |                              | 0        |
|                                | 12      | 0         | 12.22                    | 0-3                          | 0        |
|                                | 12      | 6         | 12.10                    |                              | 0        |
|                                | 12      | 13        | 12.11                    |                              | 0        |
|                                | 25      | 0         | 12.18                    |                              | 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>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 171 of 297                 |

**Table 8-251**  
**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         | 8.85                                              | 0                            | 0        |
|                                 | 1       | 25        | 9.06                                              |                              | 0        |
|                                 | 1       | 49        | 8.97                                              |                              | 0        |
|                                 | 25      | 0         | 9.03                                              | 0-1                          | 0        |
|                                 | 25      | 12        | 9.01                                              |                              | 0        |
|                                 | 25      | 25        | 9.05                                              |                              | 0        |
| 16QAM                           | 50      | 0         | 9.04                                              | 0-1                          | 0        |
|                                 | 1       | 0         | 8.91                                              |                              | 0        |
|                                 | 1       | 25        | 9.04                                              |                              | 0        |
|                                 | 1       | 49        | 8.92                                              | 0-2                          | 0        |
|                                 | 25      | 0         | 8.76                                              |                              | 0        |
|                                 | 25      | 12        | 8.74                                              |                              | 0        |
| 64QAM                           | 25      | 25        | 8.74                                              | 0-2                          | 0        |
|                                 | 50      | 0         | 8.80                                              |                              | 0        |
|                                 | 1       | 0         | 8.85                                              | 0-3                          | 0        |
|                                 | 1       | 25        | 8.91                                              |                              | 0        |
|                                 | 1       | 49        | 8.71                                              |                              | 0        |
|                                 | 25      | 0         | 8.72                                              | 0-3                          | 0        |
|                                 | 25      | 12        | 8.68                                              |                              | 0        |
|                                 | 25      | 25        | 8.69                                              |                              | 0        |
|                                 | 50      | 0         | 8.77                                              |                              | 0        |

**Table 8-252**  
**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         | 8.84                                              | 0                            | 0        |
|                                | 1       | 12        | 8.85                                              |                              | 0        |
|                                | 1       | 24        | 8.74                                              |                              | 0        |
|                                | 12      | 0         | 9.00                                              | 0-1                          | 0        |
|                                | 12      | 6         | 8.92                                              |                              | 0        |
|                                | 12      | 13        | 8.99                                              |                              | 0        |
| 16QAM                          | 25      | 0         | 9.00                                              | 0-1                          | 0        |
|                                | 1       | 0         | 8.98                                              |                              | 0        |
|                                | 1       | 12        | 8.94                                              |                              | 0        |
|                                | 1       | 24        | 8.89                                              | 0-2                          | 0        |
|                                | 12      | 0         | 9.00                                              |                              | 0        |
|                                | 12      | 6         | 8.89                                              |                              | 0        |
| 64QAM                          | 12      | 13        | 8.98                                              | 0-2                          | 0        |
|                                | 25      | 0         | 9.01                                              |                              | 0        |
|                                | 1       | 0         | 8.79                                              | 0-3                          | 0        |
|                                | 1       | 12        | 8.83                                              |                              | 0        |
|                                | 1       | 24        | 8.85                                              |                              | 0        |
|                                | 12      | 0         | 8.70                                              | 0-3                          | 0        |
|                                | 12      | 6         | 8.66                                              |                              | 0        |
|                                | 12      | 13        | 8.75                                              |                              | 0        |
|                                | 25      | 0         | 8.69                                              |                              | 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>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 172 of 297                 |

**Table 8-253**  
**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)<br>Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 13.49                                             | 0                            | 0        |
|                                 | 1       | 25        | 13.32                                             |                              | 0        |
|                                 | 1       | 49        | 13.34                                             |                              | 0        |
|                                 | 25      | 0         | 13.50                                             | 0-1                          | 0        |
|                                 | 25      | 12        | 13.48                                             |                              | 0        |
|                                 | 25      | 25        | 13.45                                             |                              | 0        |
|                                 | 50      | 0         | 13.43                                             |                              | 0        |
| 16QAM                           | 1       | 0         | 13.50                                             | 0-1                          | 0        |
|                                 | 1       | 25        | 13.47                                             |                              | 0        |
|                                 | 1       | 49        | 13.46                                             |                              | 0        |
|                                 | 25      | 0         | 13.39                                             | 0-2                          | 0        |
|                                 | 25      | 12        | 13.22                                             |                              | 0        |
|                                 | 25      | 25        | 13.17                                             |                              | 0        |
|                                 | 50      | 0         | 13.18                                             |                              | 0        |
| 64QAM                           | 1       | 0         | 12.92                                             | 0-2                          | 0        |
|                                 | 1       | 25        | 12.99                                             |                              | 0        |
|                                 | 1       | 49        | 12.85                                             |                              | 0        |
|                                 | 25      | 0         | 12.87                                             | 0-3                          | 0        |
|                                 | 25      | 12        | 12.90                                             |                              | 0        |
|                                 | 25      | 25        | 12.89                                             |                              | 0        |
|                                 | 50      | 0         | 12.81                                             |                              | 0        |

**Table 8-254**  
**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)<br>Conducted Power<br>[dBm] |                              |          |
| QPSK                           | 1       | 0         | 13.34                                             | 0                            | 0        |
|                                | 1       | 12        | 13.35                                             |                              | 0        |
|                                | 1       | 24        | 13.30                                             |                              | 0        |
|                                | 12      | 0         | 13.30                                             | 0-1                          | 0        |
|                                | 12      | 6         | 13.27                                             |                              | 0        |
|                                | 12      | 13        | 13.15                                             |                              | 0        |
|                                | 25      | 0         | 13.24                                             |                              | 0        |
| 16QAM                          | 1       | 0         | 13.44                                             | 0-1                          | 0        |
|                                | 1       | 12        | 13.40                                             |                              | 0        |
|                                | 1       | 24        | 13.37                                             |                              | 0        |
|                                | 12      | 0         | 12.97                                             | 0-2                          | 0        |
|                                | 12      | 6         | 13.03                                             |                              | 0        |
|                                | 12      | 13        | 12.90                                             |                              | 0        |
|                                | 25      | 0         | 12.94                                             |                              | 0        |
| 64QAM                          | 1       | 0         | 12.82                                             | 0-2                          | 0        |
|                                | 1       | 12        | 12.81                                             |                              | 0        |
|                                | 1       | 24        | 12.55                                             |                              | 0        |
|                                | 12      | 0         | 12.59                                             | 0-3                          | 0        |
|                                | 12      | 6         | 12.75                                             |                              | 0        |
|                                | 12      | 13        | 12.81                                             |                              | 0        |
|                                | 25      | 0         | 12.94                                             |                              | 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>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 173 of 297                 |

**Table 8-255**  
**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         | 9.89                                              | 0                            | 0        |
|                                 | 1       | 25        | 9.96                                              |                              | 0        |
|                                 | 1       | 49        | 10.08                                             |                              | 0        |
|                                 | 25      | 0         | 10.17                                             | 0-1                          | 0        |
|                                 | 25      | 12        | 10.13                                             |                              | 0        |
|                                 | 25      | 25        | 10.18                                             |                              | 0        |
|                                 | 50      | 0         | 10.07                                             |                              | 0        |
| 16QAM                           | 1       | 0         | 10.26                                             | 0-1                          | 0        |
|                                 | 1       | 25        | 10.07                                             |                              | 0        |
|                                 | 1       | 49        | 10.11                                             |                              | 0        |
|                                 | 25      | 0         | 10.10                                             | 0-2                          | 0        |
|                                 | 25      | 12        | 10.00                                             |                              | 0        |
|                                 | 25      | 25        | 10.03                                             |                              | 0        |
|                                 | 50      | 0         | 9.97                                              |                              | 0        |
| 64QAM                           | 1       | 0         | 10.27                                             | 0-2                          | 0        |
|                                 | 1       | 25        | 10.00                                             |                              | 0        |
|                                 | 1       | 49        | 10.03                                             |                              | 0        |
|                                 | 25      | 0         | 10.20                                             | 0-3                          | 0        |
|                                 | 25      | 12        | 10.01                                             |                              | 0        |
|                                 | 25      | 25        | 9.97                                              |                              | 0        |
|                                 | 50      | 0         | 9.96                                              |                              | 0        |

**Table 8-256**  
**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         | 10.04                                             | 0                            | 0        |
|                                | 1       | 12        | 9.82                                              |                              | 0        |
|                                | 1       | 24        | 9.90                                              |                              | 0        |
|                                | 12      | 0         | 10.19                                             | 0-1                          | 0        |
|                                | 12      | 6         | 10.06                                             |                              | 0        |
|                                | 12      | 13        | 10.01                                             |                              | 0        |
|                                | 25      | 0         | 10.03                                             |                              | 0        |
| 16QAM                          | 1       | 0         | 10.09                                             | 0-1                          | 0        |
|                                | 1       | 12        | 10.05                                             |                              | 0        |
|                                | 1       | 24        | 10.02                                             |                              | 0        |
|                                | 12      | 0         | 10.18                                             | 0-2                          | 0        |
|                                | 12      | 6         | 10.07                                             |                              | 0        |
|                                | 12      | 13        | 10.00                                             |                              | 0        |
|                                | 25      | 0         | 9.98                                              |                              | 0        |
| 64QAM                          | 1       | 0         | 10.27                                             | 0-2                          | 0        |
|                                | 1       | 12        | 10.06                                             |                              | 0        |
|                                | 1       | 24        | 10.32                                             |                              | 0        |
|                                | 12      | 0         | 10.21                                             | 0-3                          | 0        |
|                                | 12      | 6         | 10.05                                             |                              | 0        |
|                                | 12      | 13        | 10.01                                             |                              | 0        |
|                                | 25      | 0         | 9.96                                              |                              | 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>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 174 of 297                        |

**Table 8-257**  
**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)<br>Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 13.02                                             | 0                            | 0        |
|                                 | 1       | 25        | 12.86                                             |                              | 0        |
|                                 | 1       | 49        | 12.72                                             |                              | 0        |
|                                 | 25      | 0         | 12.99                                             | 0-1                          | 0        |
|                                 | 25      | 12        | 12.91                                             |                              | 0        |
|                                 | 25      | 25        | 12.86                                             |                              | 0        |
|                                 | 50      | 0         | 12.93                                             |                              | 0        |
| 16QAM                           | 1       | 0         | 13.31                                             | 0-1                          | 0        |
|                                 | 1       | 25        | 13.21                                             |                              | 0        |
|                                 | 1       | 49        | 13.00                                             |                              | 0        |
|                                 | 25      | 0         | 13.00                                             | 0-2                          | 0        |
|                                 | 25      | 12        | 12.92                                             |                              | 0        |
|                                 | 25      | 25        | 12.86                                             |                              | 0        |
|                                 | 50      | 0         | 12.93                                             |                              | 0        |
| 64QAM                           | 1       | 0         | 13.18                                             | 0-2                          | 0        |
|                                 | 1       | 25        | 13.02                                             |                              | 0        |
|                                 | 1       | 49        | 12.88                                             |                              | 0        |
|                                 | 25      | 0         | 13.00                                             | 0-3                          | 0        |
|                                 | 25      | 12        | 12.91                                             |                              | 0        |
|                                 | 25      | 25        | 12.86                                             |                              | 0        |
|                                 | 50      | 0         | 12.95                                             |                              | 0        |

**Table 8-258**  
**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)<br>Conducted Power<br>[dBm] |                              |          |
| QPSK                           | 1       | 0         | 12.94                                             | 0                            | 0        |
|                                | 1       | 12        | 12.90                                             |                              | 0        |
|                                | 1       | 24        | 12.88                                             |                              | 0        |
|                                | 12      | 0         | 13.17                                             | 0-1                          | 0        |
|                                | 12      | 6         | 13.07                                             |                              | 0        |
|                                | 12      | 13        | 13.18                                             |                              | 0        |
|                                | 25      | 0         | 13.07                                             |                              | 0        |
| 16QAM                          | 1       | 0         | 13.25                                             | 0-1                          | 0        |
|                                | 1       | 12        | 12.93                                             |                              | 0        |
|                                | 1       | 24        | 13.19                                             |                              | 0        |
|                                | 12      | 0         | 13.15                                             | 0-2                          | 0        |
|                                | 12      | 6         | 13.08                                             |                              | 0        |
|                                | 12      | 13        | 13.19                                             |                              | 0        |
|                                | 25      | 0         | 13.07                                             |                              | 0        |
| 64QAM                          | 1       | 0         | 13.39                                             | 0-2                          | 0        |
|                                | 1       | 12        | 13.19                                             |                              | 0        |
|                                | 1       | 24        | 13.32                                             |                              | 0        |
|                                | 12      | 0         | 13.16                                             | 0-3                          | 0        |
|                                | 12      | 6         | 13.05                                             |                              | 0        |
|                                | 12      | 13        | 13.16                                             |                              | 0        |
|                                | 25      | 0         | 13.03                                             |                              | 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: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 175 of 297                        |

**Table 8-259**  
**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         | 10.26                    | 0                            | 0        |
|                                 | 1       | 25        | 10.36                    |                              | 0        |
|                                 | 1       | 49        | 10.35                    |                              | 0        |
|                                 | 25      | 0         | 10.45                    | 0-1                          | 0        |
|                                 | 25      | 12        | 10.49                    |                              | 0        |
|                                 | 25      | 25        | 10.50                    |                              | 0        |
|                                 | 50      | 0         | 10.35                    |                              | 0        |
| 16QAM                           | 1       | 0         | 10.40                    | 0-1                          | 0        |
|                                 | 1       | 25        | 10.30                    |                              | 0        |
|                                 | 1       | 49        | 10.22                    |                              | 0        |
|                                 | 25      | 0         | 10.11                    | 0-2                          | 0        |
|                                 | 25      | 12        | 10.12                    |                              | 0        |
|                                 | 25      | 25        | 10.10                    |                              | 0        |
|                                 | 50      | 0         | 10.06                    |                              | 0        |
| 64QAM                           | 1       | 0         | 10.19                    | 0-2                          | 0        |
|                                 | 1       | 25        | 10.09                    |                              | 0        |
|                                 | 1       | 49        | 9.95                     |                              | 0        |
|                                 | 25      | 0         | 10.05                    | 0-3                          | 0        |
|                                 | 25      | 12        | 10.01                    |                              | 0        |
|                                 | 25      | 25        | 9.92                     |                              | 0        |
|                                 | 50      | 0         | 9.94                     |                              | 0        |

**Table 8-260**  
**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         | 9.96                     | 0                            | 0        |
|                                | 1       | 12        | 9.93                     |                              | 0        |
|                                | 1       | 24        | 9.95                     |                              | 0        |
|                                | 12      | 0         | 10.16                    | 0-1                          | 0        |
|                                | 12      | 6         | 10.16                    |                              | 0        |
|                                | 12      | 13        | 10.15                    |                              | 0        |
|                                | 25      | 0         | 10.09                    |                              | 0        |
| 16QAM                          | 1       | 0         | 10.37                    | 0-1                          | 0        |
|                                | 1       | 12        | 10.27                    |                              | 0        |
|                                | 1       | 24        | 10.49                    |                              | 0        |
|                                | 12      | 0         | 10.16                    | 0-2                          | 0        |
|                                | 12      | 6         | 10.14                    |                              | 0        |
|                                | 12      | 13        | 10.13                    |                              | 0        |
|                                | 25      | 0         | 10.11                    |                              | 0        |
| 64QAM                          | 1       | 0         | 10.18                    | 0-2                          | 0        |
|                                | 1       | 12        | 10.18                    |                              | 0        |
|                                | 1       | 24        | 10.02                    |                              | 0        |
|                                | 12      | 0         | 10.07                    | 0-3                          | 0        |
|                                | 12      | 6         | 9.99                     |                              | 0        |
|                                | 12      | 13        | 10.12                    |                              | 0        |
|                                | 25      | 0         | 10.01                    |                              | 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: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 176 of 297                 |

## 8.3.12

## LTE Band 7

**Table 8-261**  
**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        | 21100        | 21350        |                              |          |
|                       |         |           | (2510.0 MHz) | (2535.0 MHz) | (2560.0 MHz) |                              |          |
| Conducted Power [dBm] |         |           |              |              |              |                              |          |
| QPSK                  | 1       | 0         | 14.10        | 14.09        | 13.98        | 0                            | 0        |
|                       | 1       | 50        | 14.05        | 13.95        | 13.88        |                              | 0        |
|                       | 1       | 99        | 13.92        | 13.83        | 13.96        |                              | 0        |
|                       | 50      | 0         | 14.09        | 13.92        | 13.95        | 0-1                          | 0        |
|                       | 50      | 25        | 14.07        | 13.86        | 13.85        |                              | 0        |
|                       | 50      | 50        | 13.93        | 13.76        | 13.86        |                              | 0        |
|                       | 100     | 0         | 14.08        | 13.87        | 13.86        |                              | 0        |
| 16QAM                 | 1       | 0         | 14.07        | 13.75        | 13.94        | 0-1                          | 0        |
|                       | 1       | 50        | 13.86        | 13.69        | 13.78        |                              | 0        |
|                       | 1       | 99        | 13.72        | 13.49        | 13.81        |                              | 0        |
|                       | 50      | 0         | 13.71        | 13.48        | 13.44        | 0-2                          | 0        |
|                       | 50      | 25        | 13.57        | 13.45        | 13.36        |                              | 0        |
|                       | 50      | 50        | 13.40        | 13.35        | 13.33        |                              | 0        |
|                       | 100     | 0         | 13.55        | 13.44        | 13.33        |                              | 0        |
| 64QAM                 | 1       | 0         | 14.00        | 13.84        | 13.61        | 0-2                          | 0        |
|                       | 1       | 50        | 13.90        | 13.70        | 13.51        |                              | 0        |
|                       | 1       | 99        | 13.70        | 13.58        | 13.70        |                              | 0        |
|                       | 50      | 0         | 13.38        | 13.28        | 13.24        | 0-3                          | 0        |
|                       | 50      | 25        | 13.34        | 13.18        | 13.16        |                              | 0        |
|                       | 50      | 50        | 13.25        | 13.10        | 13.11        |                              | 0        |
|                       | 100     | 0         | 13.30        | 13.13        | 13.13        |                              | 0        |

**Table 8-262**  
**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         | 13.93                 | 13.65                 | 13.54                 | 0                            | 0        |
|                                | 1       | 36        | 13.77                 | 13.58                 | 13.52                 |                              | 0        |
|                                | 1       | 74        | 13.54                 | 13.53                 | 13.55                 |                              | 0        |
|                                | 36      | 0         | 13.87                 | 13.62                 | 13.52                 | 0-1                          | 0        |
|                                | 36      | 18        | 13.77                 | 13.56                 | 13.52                 |                              | 0        |
|                                | 36      | 37        | 13.55                 | 13.52                 | 13.56                 |                              | 0        |
|                                | 75      | 0         | 13.75                 | 13.56                 | 13.50                 |                              | 0        |
| 16QAM                          | 1       | 0         | 14.10                 | 14.01                 | 13.84                 | 0-1                          | 0        |
|                                | 1       | 36        | 13.95                 | 13.94                 | 13.68                 |                              | 0        |
|                                | 1       | 74        | 13.81                 | 13.64                 | 13.57                 |                              | 0        |
|                                | 36      | 0         | 13.72                 | 13.52                 | 13.30                 | 0-2                          | 0        |
|                                | 36      | 18        | 13.64                 | 13.44                 | 13.26                 |                              | 0        |
|                                | 36      | 37        | 13.55                 | 13.35                 | 13.30                 |                              | 0        |
|                                | 75      | 0         | 13.61                 | 13.41                 | 13.22                 |                              | 0        |
| 64QAM                          | 1       | 0         | 14.10                 | 13.84                 | 13.69                 | 0-2                          | 0        |
|                                | 1       | 36        | 14.03                 | 13.98                 | 13.63                 |                              | 0        |
|                                | 1       | 74        | 13.88                 | 13.64                 | 13.70                 |                              | 0        |
|                                | 36      | 0         | 13.73                 | 13.58                 | 13.30                 | 0-3                          | 0        |
|                                | 36      | 18        | 13.70                 | 13.45                 | 13.27                 |                              | 0        |
|                                | 36      | 37        | 13.56                 | 13.37                 | 13.35                 |                              | 0        |
|                                | 75      | 0         | 13.62                 | 13.42                 | 13.23                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 177 of 297                        |

**Table 8-263**  
**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         | 13.92                 | 13.62                 | 13.55                 | 0                            | 0        |
|                                | 1       | 25        | 13.91                 | 13.62                 | 13.45                 |                              | 0        |
|                                | 1       | 49        | 13.81                 | 13.58                 | 13.52                 |                              | 0        |
|                                | 25      | 0         | 13.93                 | 13.56                 | 13.43                 | 0-1                          | 0        |
|                                | 25      | 12        | 13.94                 | 13.58                 | 13.45                 |                              | 0        |
|                                | 25      | 25        | 13.91                 | 13.54                 | 13.48                 |                              | 0        |
|                                | 50      | 0         | 13.87                 | 13.58                 | 13.46                 |                              | 0        |
| 16QAM                          | 1       | 0         | 14.00                 | 13.73                 | 13.56                 | 0-1                          | 0        |
|                                | 1       | 25        | 13.95                 | 13.62                 | 13.57                 |                              | 0        |
|                                | 1       | 49        | 13.93                 | 13.41                 | 13.63                 |                              | 0        |
|                                | 25      | 0         | 13.66                 | 13.40                 | 13.12                 | 0-2                          | 0        |
|                                | 25      | 12        | 13.59                 | 13.32                 | 13.19                 |                              | 0        |
|                                | 25      | 25        | 13.57                 | 13.26                 | 13.28                 |                              | 0        |
|                                | 50      | 0         | 13.57                 | 13.33                 | 13.20                 |                              | 0        |
| 64QAM                          | 1       | 0         | 14.08                 | 13.74                 | 13.48                 | 0-2                          | 0        |
|                                | 1       | 25        | 14.09                 | 13.65                 | 13.60                 |                              | 0        |
|                                | 1       | 49        | 14.07                 | 13.52                 | 13.64                 |                              | 0        |
|                                | 25      | 0         | 13.72                 | 13.42                 | 13.10                 | 0-3                          | 0        |
|                                | 25      | 12        | 13.64                 | 13.33                 | 13.19                 |                              | 0        |
|                                | 25      | 25        | 13.59                 | 13.26                 | 13.29                 |                              | 0        |
|                                | 50      | 0         | 13.58                 | 13.31                 | 13.21                 |                              | 0        |

**Table 8-264**  
**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         | 13.83                 | 13.60                 | 13.52                 | 0                            | 0        |
|                               | 1       | 12        | 13.85                 | 13.55                 | 13.54                 |                              | 0        |
|                               | 1       | 24        | 13.90                 | 13.51                 | 13.68                 |                              | 0        |
|                               | 12      | 0         | 13.86                 | 13.50                 | 13.53                 | 0-1                          | 0        |
|                               | 12      | 6         | 13.84                 | 13.51                 | 13.53                 |                              | 0        |
|                               | 12      | 13        | 13.88                 | 13.53                 | 13.57                 |                              | 0        |
|                               | 25      | 0         | 13.84                 | 13.52                 | 13.53                 |                              | 0        |
| 16QAM                         | 1       | 0         | 13.79                 | 13.56                 | 13.48                 | 0-1                          | 0        |
|                               | 1       | 12        | 13.76                 | 13.66                 | 13.49                 |                              | 0        |
|                               | 1       | 24        | 13.64                 | 13.45                 | 13.38                 |                              | 0        |
|                               | 12      | 0         | 13.69                 | 13.42                 | 13.24                 | 0-2                          | 0        |
|                               | 12      | 6         | 13.63                 | 13.42                 | 13.27                 |                              | 0        |
|                               | 12      | 13        | 13.64                 | 13.41                 | 13.27                 |                              | 0        |
|                               | 25      | 0         | 13.61                 | 13.36                 | 13.27                 |                              | 0        |
| 64QAM                         | 1       | 0         | 13.98                 | 13.84                 | 13.62                 | 0-2                          | 0        |
|                               | 1       | 12        | 13.87                 | 13.81                 | 13.61                 |                              | 0        |
|                               | 1       | 24        | 14.00                 | 13.77                 | 13.55                 |                              | 0        |
|                               | 12      | 0         | 13.73                 | 13.38                 | 13.28                 | 0-3                          | 0        |
|                               | 12      | 6         | 13.60                 | 13.43                 | 13.24                 |                              | 0        |
|                               | 12      | 13        | 13.57                 | 13.44                 | 13.26                 |                              | 0        |
|                               | 25      | 0         | 13.53                 | 13.40                 | 13.24                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 178 of 297                 |

Table 8-265

## 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         | 10.84                 | 10.75                 | 10.57                 | 0                            | 0        |
|                  | 1       | 50        | 10.72                 | 10.57                 | 10.44                 |                              | 0        |
|                  | 1       | 99        | 10.58                 | 10.58                 | 10.65                 |                              | 0        |
|                  | 50      | 0         | 10.83                 | 10.58                 | 10.53                 | 0-1                          | 0        |
|                  | 50      | 25        | 10.79                 | 10.54                 | 10.42                 |                              | 0        |
|                  | 50      | 50        | 10.72                 | 10.48                 | 10.44                 |                              | 0        |
|                  | 100     | 0         | 10.77                 | 10.51                 | 10.40                 |                              | 0        |
| 16QAM            | 1       | 0         | 11.06                 | 11.01                 | 10.92                 | 0-1                          | 0        |
|                  | 1       | 50        | 11.06                 | 10.87                 | 10.81                 |                              | 0        |
|                  | 1       | 99        | 10.85                 | 10.77                 | 10.73                 |                              | 0        |
|                  | 50      | 0         | 11.01                 | 10.81                 | 10.72                 | 0-2                          | 0        |
|                  | 50      | 25        | 10.86                 | 10.71                 | 10.55                 |                              | 0        |
|                  | 50      | 50        | 10.69                 | 10.70                 | 10.62                 |                              | 0        |
|                  | 100     | 0         | 10.82                 | 10.70                 | 10.56                 |                              | 0        |
| 64QAM            | 1       | 0         | 11.02                 | 10.93                 | 10.61                 | 0-2                          | 0        |
|                  | 1       | 50        | 10.77                 | 10.68                 | 10.52                 |                              | 0        |
|                  | 1       | 99        | 10.72                 | 10.77                 | 10.55                 |                              | 0        |
|                  | 50      | 0         | 10.73                 | 10.68                 | 10.44                 | 0-3                          | 0        |
|                  | 50      | 25        | 10.61                 | 10.52                 | 10.28                 |                              | 0        |
|                  | 50      | 50        | 10.54                 | 10.49                 | 10.23                 |                              | 0        |
|                  | 100     | 0         | 10.58                 | 10.49                 | 10.27                 |                              | 0        |

Table 8-266

## 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         | 10.83                 | 10.61                 | 10.61                 | 0                            | 0        |
|                                | 1       | 36        | 10.84                 | 10.60                 | 10.48                 |                              | 0        |
|                                | 1       | 74        | 10.62                 | 10.61                 | 10.43                 |                              | 0        |
|                                | 36      | 0         | 10.97                 | 10.70                 | 10.55                 | 0-1                          | 0        |
|                                | 36      | 18        | 10.91                 | 10.67                 | 10.58                 |                              | 0        |
|                                | 36      | 37        | 10.75                 | 10.65                 | 10.52                 |                              | 0        |
|                                | 75      | 0         | 10.86                 | 10.67                 | 10.55                 |                              | 0        |
| 16QAM                          | 1       | 0         | 11.02                 | 10.82                 | 10.63                 | 0-1                          | 0        |
|                                | 1       | 36        | 10.97                 | 10.79                 | 10.48                 |                              | 0        |
|                                | 1       | 74        | 10.76                 | 10.62                 | 10.67                 |                              | 0        |
|                                | 36      | 0         | 10.92                 | 10.73                 | 10.47                 | 0-2                          | 0        |
|                                | 36      | 18        | 10.93                 | 10.67                 | 10.58                 |                              | 0        |
|                                | 36      | 37        | 10.76                 | 10.65                 | 10.58                 |                              | 0        |
|                                | 75      | 0         | 10.83                 | 10.66                 | 10.52                 |                              | 0        |
| 64QAM                          | 1       | 0         | 11.07                 | 10.72                 | 10.45                 | 0-2                          | 0        |
|                                | 1       | 36        | 10.97                 | 10.77                 | 10.51                 |                              | 0        |
|                                | 1       | 74        | 10.85                 | 10.72                 | 10.76                 |                              | 0        |
|                                | 36      | 0         | 10.85                 | 10.60                 | 10.39                 | 0-3                          | 0        |
|                                | 36      | 18        | 10.76                 | 10.61                 | 10.47                 |                              | 0        |
|                                | 36      | 37        | 10.62                 | 10.52                 | 10.50                 |                              | 0        |
|                                | 75      | 0         | 10.72                 | 10.51                 | 10.47                 |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 179 of 297                 |

Table 8-267

## LTE Band 7 Conducted Powers Ant 2a - 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 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         | 10.91                 | 10.73                 | 10.42                 | 0                         | 0        |
|                  | 1       | 25        | 10.87                 | 10.66                 | 10.44                 |                           | 0        |
|                  | 1       | 49        | 10.72                 | 10.56                 | 10.49                 |                           | 0        |
|                  | 25      | 0         | 11.02                 | 10.79                 | 10.56                 | 0-1                       | 0        |
|                  | 25      | 12        | 11.00                 | 10.70                 | 10.50                 |                           | 0        |
|                  | 25      | 25        | 10.93                 | 10.66                 | 10.57                 |                           | 0        |
|                  | 50      | 0         | 10.94                 | 10.72                 | 10.53                 |                           | 0        |
| 16QAM            | 1       | 0         | 10.87                 | 10.63                 | 10.50                 | 0-1                       | 0        |
|                  | 1       | 25        | 10.80                 | 10.57                 | 10.47                 |                           | 0        |
|                  | 1       | 49        | 10.77                 | 10.65                 | 10.65                 |                           | 0        |
|                  | 25      | 0         | 10.91                 | 10.64                 | 10.53                 | 0-2                       | 0        |
|                  | 25      | 12        | 10.88                 | 10.55                 | 10.48                 |                           | 0        |
|                  | 25      | 25        | 10.90                 | 10.59                 | 10.59                 |                           | 0        |
|                  | 50      | 0         | 10.86                 | 10.56                 | 10.49                 |                           | 0        |
| 64QAM            | 1       | 0         | 10.74                 | 10.75                 | 10.79                 | 0-2                       | 0        |
|                  | 1       | 25        | 10.64                 | 10.74                 | 10.77                 |                           | 0        |
|                  | 1       | 49        | 10.71                 | 10.72                 | 10.71                 |                           | 0        |
|                  | 25      | 0         | 10.55                 | 10.60                 | 10.56                 | 0-3                       | 0        |
|                  | 25      | 12        | 10.46                 | 10.56                 | 10.49                 |                           | 0        |
|                  | 25      | 25        | 10.47                 | 10.53                 | 10.53                 |                           | 0        |
|                  | 50      | 0         | 10.49                 | 10.50                 | 10.47                 |                           | 0        |

Table 8-268

## 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         | 10.77                 | 10.57                 | 10.34                 | 0                            | 0        |
|                               | 1       | 12        | 10.88                 | 10.51                 | 10.44                 |                              | 0        |
|                               | 1       | 24        | 10.86                 | 10.44                 | 10.51                 |                              | 0        |
|                               | 12      | 0         | 10.91                 | 10.58                 | 10.51                 | 0-1                          | 0        |
|                               | 12      | 6         | 10.95                 | 10.62                 | 10.49                 |                              | 0        |
|                               | 12      | 13        | 11.02                 | 10.63                 | 10.53                 |                              | 0        |
|                               | 25      | 0         | 10.98                 | 10.61                 | 10.50                 |                              | 0        |
| 16QAM                         | 1       | 0         | 10.99                 | 10.64                 | 10.60                 | 0-1                          | 0        |
|                               | 1       | 12        | 10.96                 | 10.65                 | 10.61                 |                              | 0        |
|                               | 1       | 24        | 11.09                 | 10.63                 | 10.77                 |                              | 0        |
|                               | 12      | 0         | 10.88                 | 10.62                 | 10.55                 | 0-2                          | 0        |
|                               | 12      | 6         | 10.93                 | 10.64                 | 10.62                 |                              | 0        |
|                               | 12      | 13        | 11.00                 | 10.58                 | 10.58                 |                              | 0        |
|                               | 25      | 0         | 10.94                 | 10.52                 | 10.55                 |                              | 0        |
| 64QAM                         | 1       | 0         | 11.10                 | 10.83                 | 10.63                 | 0-2                          | 0        |
|                               | 1       | 12        | 11.07                 | 10.73                 | 10.68                 |                              | 0        |
|                               | 1       | 24        | 11.03                 | 10.66                 | 10.67                 |                              | 0        |
|                               | 12      | 0         | 10.97                 | 10.58                 | 10.48                 | 0-3                          | 0        |
|                               | 12      | 6         | 10.80                 | 10.49                 | 10.44                 |                              | 0        |
|                               | 12      | 13        | 10.91                 | 10.52                 | 10.46                 |                              | 0        |
|                               | 25      | 0         | 10.87                 | 10.49                 | 10.49                 |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 180 of 297                 |

**Table 8-269**  
**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         | 11.80                 | 11.56                 | 11.31                 | 0                            | 0        |
|                                | 1       | 50        | 11.71                 | 11.40                 | 11.20                 |                              | 0        |
|                                | 1       | 99        | 11.51                 | 11.26                 | 11.38                 |                              | 0        |
|                                | 50      | 0         | 11.66                 | 11.54                 | 11.28                 | 0-1                          | 0        |
|                                | 50      | 25        | 11.70                 | 11.47                 | 11.20                 |                              | 0        |
|                                | 50      | 50        | 11.51                 | 11.43                 | 11.21                 |                              | 0        |
|                                | 100     | 0         | 11.69                 | 11.48                 | 11.21                 |                              | 0        |
| 16QAM                          | 1       | 0         | 11.80                 | 11.47                 | 11.52                 | 0-1                          | 0        |
|                                | 1       | 50        | 11.71                 | 11.33                 | 11.35                 |                              | 0        |
|                                | 1       | 99        | 11.41                 | 11.31                 | 11.52                 |                              | 0        |
|                                | 50      | 0         | 11.49                 | 11.24                 | 11.11                 | 0-2                          | 0        |
|                                | 50      | 25        | 11.45                 | 11.15                 | 11.02                 |                              | 0        |
|                                | 50      | 50        | 11.28                 | 11.14                 | 11.04                 |                              | 0        |
|                                | 100     | 0         | 11.44                 | 11.15                 | 11.01                 |                              | 0        |
| 64QAM                          | 1       | 0         | 11.80                 | 11.35                 | 11.35                 | 0-2                          | 0        |
|                                | 1       | 50        | 11.77                 | 11.22                 | 11.13                 |                              | 0        |
|                                | 1       | 99        | 11.53                 | 11.20                 | 11.24                 |                              | 0        |
|                                | 50      | 0         | 11.49                 | 11.24                 | 11.12                 | 0-3                          | 0        |
|                                | 50      | 25        | 11.44                 | 11.16                 | 11.01                 |                              | 0        |
|                                | 50      | 50        | 11.28                 | 11.15                 | 11.02                 |                              | 0        |
|                                | 100     | 0         | 11.44                 | 11.15                 | 11.01                 |                              | 0        |

**Table 8-270**  
**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         | 11.53                 | 11.56                 | 11.28                 | 0                            | 0        |
|                                | 1       | 36        | 11.35                 | 11.36                 | 11.24                 |                              | 0        |
|                                | 1       | 74        | 11.31                 | 11.15                 | 11.33                 |                              | 0        |
|                                | 36      | 0         | 11.37                 | 11.38                 | 11.16                 | 0-1                          | 0        |
|                                | 36      | 18        | 11.24                 | 11.33                 | 11.16                 |                              | 0        |
|                                | 36      | 37        | 11.20                 | 11.13                 | 11.12                 |                              | 0        |
|                                | 75      | 0         | 11.28                 | 11.30                 | 11.15                 |                              | 0        |
| 16QAM                          | 1       | 0         | 11.43                 | 11.58                 | 11.20                 | 0-1                          | 0        |
|                                | 1       | 36        | 11.16                 | 11.33                 | 11.13                 |                              | 0        |
|                                | 1       | 74        | 11.18                 | 11.23                 | 11.18                 |                              | 0        |
|                                | 36      | 0         | 11.11                 | 11.17                 | 10.90                 | 0-2                          | 0        |
|                                | 36      | 18        | 10.97                 | 11.05                 | 10.84                 |                              | 0        |
|                                | 36      | 37        | 10.98                 | 10.96                 | 10.85                 |                              | 0        |
|                                | 75      | 0         | 11.01                 | 11.05                 | 10.90                 |                              | 0        |
| 64QAM                          | 1       | 0         | 11.57                 | 11.61                 | 11.24                 | 0-2                          | 0        |
|                                | 1       | 36        | 11.30                 | 11.26                 | 11.09                 |                              | 0        |
|                                | 1       | 74        | 11.29                 | 11.13                 | 11.17                 |                              | 0        |
|                                | 36      | 0         | 11.17                 | 11.18                 | 10.92                 | 0-3                          | 0        |
|                                | 36      | 18        | 11.13                 | 11.05                 | 10.94                 |                              | 0        |
|                                | 36      | 37        | 10.97                 | 10.91                 | 10.87                 |                              | 0        |
|                                | 75      | 0         | 11.01                 | 10.98                 | 10.93                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 181 of 297                 |

**Table 8-271**  
**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         | 11.44                 | 11.55                 | 11.35                 | 0                            | 0        |
|                                | 1       | 25        | 11.55                 | 11.42                 | 11.32                 |                              | 0        |
|                                | 1       | 49        | 11.40                 | 11.13                 | 11.24                 |                              | 0        |
|                                | 25      | 0         | 11.48                 | 11.44                 | 11.20                 | 0-1                          | 0        |
|                                | 25      | 12        | 11.50                 | 11.40                 | 11.15                 |                              | 0        |
|                                | 25      | 25        | 11.46                 | 11.23                 | 11.10                 |                              | 0        |
|                                | 50      | 0         | 11.41                 | 11.36                 | 11.12                 |                              | 0        |
| 16QAM                          | 1       | 0         | 11.35                 | 11.55                 | 11.39                 | 0-1                          | 0        |
|                                | 1       | 25        | 11.43                 | 11.30                 | 11.35                 |                              | 0        |
|                                | 1       | 49        | 11.28                 | 11.28                 | 11.43                 |                              | 0        |
|                                | 25      | 0         | 11.24                 | 11.14                 | 10.98                 | 0-2                          | 0        |
|                                | 25      | 12        | 11.26                 | 11.08                 | 10.94                 |                              | 0        |
|                                | 25      | 25        | 11.17                 | 10.95                 | 10.86                 |                              | 0        |
|                                | 50      | 0         | 11.24                 | 11.01                 | 10.96                 |                              | 0        |
| 64QAM                          | 1       | 0         | 11.37                 | 11.51                 | 11.46                 | 0-2                          | 0        |
|                                | 1       | 25        | 11.39                 | 11.57                 | 11.43                 |                              | 0        |
|                                | 1       | 49        | 11.16                 | 11.22                 | 11.35                 |                              | 0        |
|                                | 25      | 0         | 11.26                 | 11.13                 | 10.97                 | 0-3                          | 0        |
|                                | 25      | 12        | 11.24                 | 11.06                 | 10.96                 |                              | 0        |
|                                | 25      | 25        | 11.17                 | 10.96                 | 10.87                 |                              | 0        |
|                                | 50      | 0         | 11.24                 | 11.04                 | 10.94                 |                              | 0        |

**Table 8-272**  
**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         | 11.54                 | 11.58                 | 11.39                 | 0                            | 0        |
|                               | 1       | 12        | 11.60                 | 11.45                 | 11.32                 |                              | 0        |
|                               | 1       | 24        | 11.63                 | 11.24                 | 11.41                 |                              | 0        |
|                               | 12      | 0         | 11.53                 | 11.55                 | 11.31                 | 0-1                          | 0        |
|                               | 12      | 6         | 11.59                 | 11.42                 | 11.28                 |                              | 0        |
|                               | 12      | 13        | 11.58                 | 11.30                 | 11.23                 |                              | 0        |
|                               | 25      | 0         | 11.59                 | 11.42                 | 11.26                 |                              | 0        |
| 16QAM                         | 1       | 0         | 11.66                 | 11.61                 | 11.54                 | 0-1                          | 0        |
|                               | 1       | 12        | 11.51                 | 11.39                 | 11.46                 |                              | 0        |
|                               | 1       | 24        | 11.59                 | 11.40                 | 11.74                 |                              | 0        |
|                               | 12      | 0         | 11.20                 | 11.06                 | 11.05                 | 0-2                          | 0        |
|                               | 12      | 6         | 11.26                 | 11.05                 | 11.03                 |                              | 0        |
|                               | 12      | 13        | 11.20                 | 10.97                 | 11.06                 |                              | 0        |
|                               | 25      | 0         | 11.24                 | 11.05                 | 11.04                 |                              | 0        |
| 64QAM                         | 1       | 0         | 11.63                 | 11.48                 | 11.41                 | 0-2                          | 0        |
|                               | 1       | 12        | 11.52                 | 11.51                 | 11.52                 |                              | 0        |
|                               | 1       | 24        | 11.66                 | 11.32                 | 11.62                 |                              | 0        |
|                               | 12      | 0         | 11.23                 | 11.15                 | 11.06                 | 0-3                          | 0        |
|                               | 12      | 6         | 11.23                 | 11.02                 | 11.05                 |                              | 0        |
|                               | 12      | 13        | 11.21                 | 11.00                 | 11.07                 |                              | 0        |
|                               | 25      | 0         | 11.25                 | 11.07                 | 11.07                 |                              | 0        |

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 182 of 297                        |

**Table 8-273**  
**LTE Band 7 Conducted Powers Ant 2b - 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         | 8.79                  | 8.69                  | 8.77                  | 0                            | 0        |
|                                | 1       | 50        | 8.71                  | 8.68                  | 8.75                  |                              | 0        |
|                                | 1       | 99        | 8.80                  | 8.78                  | 8.70                  |                              | 0        |
|                                | 50      | 0         | 8.79                  | 8.76                  | 8.70                  | 0-1                          | 0        |
|                                | 50      | 25        | 8.71                  | 8.76                  | 8.65                  |                              | 0        |
|                                | 50      | 50        | 8.75                  | 8.78                  | 8.53                  |                              | 0        |
|                                | 100     | 0         | 8.77                  | 8.76                  | 8.51                  |                              | 0        |
| 16QAM                          | 1       | 0         | 8.71                  | 8.52                  | 8.60                  | 0-1                          | 0        |
|                                | 1       | 50        | 8.63                  | 8.56                  | 8.27                  |                              | 0        |
|                                | 1       | 99        | 8.50                  | 8.70                  | 8.21                  |                              | 0        |
|                                | 50      | 0         | 8.35                  | 8.16                  | 8.02                  | 0-2                          | 0        |
|                                | 50      | 25        | 8.28                  | 8.06                  | 7.90                  |                              | 0        |
|                                | 50      | 50        | 8.23                  | 8.09                  | 7.90                  |                              | 0        |
|                                | 100     | 0         | 8.29                  | 8.05                  | 7.89                  |                              | 0        |
| 64QAM                          | 1       | 0         | 8.61                  | 8.42                  | 8.25                  | 0-2                          | 0        |
|                                | 1       | 50        | 8.40                  | 8.22                  | 8.40                  |                              | 0        |
|                                | 1       | 99        | 8.21                  | 8.38                  | 8.48                  |                              | 0        |
|                                | 50      | 0         | 8.29                  | 8.11                  | 8.06                  | 0-3                          | 0        |
|                                | 50      | 25        | 8.20                  | 8.05                  | 8.03                  |                              | 0        |
|                                | 50      | 50        | 8.27                  | 8.11                  | 8.16                  |                              | 0        |
|                                | 100     | 0         | 8.32                  | 8.07                  | 8.02                  |                              | 0        |

**Table 8-274**  
**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        | 21100        | 21375        |                              |          |
|                                |         |           | (2507.5 MHz) | (2535.0 MHz) | (2562.5 MHz) |                              |          |
| Conducted Power [dBm]          |         |           |              |              |              |                              |          |
| QPSK                           | 1       | 0         | 8.55         | 8.42         | 8.17         | 0                            | 0        |
|                                | 1       | 36        | 8.57         | 8.39         | 8.22         |                              | 0        |
|                                | 1       | 74        | 8.26         | 8.32         | 8.23         |                              | 0        |
|                                | 36      | 0         | 8.54         | 8.37         | 8.15         | 0-1                          | 0        |
|                                | 36      | 18        | 8.49         | 8.29         | 8.14         |                              | 0        |
|                                | 36      | 37        | 8.34         | 8.24         | 8.16         |                              | 0        |
|                                | 75      | 0         | 8.45         | 8.27         | 8.13         |                              | 0        |
| 16QAM                          | 1       | 0         | 8.69         | 8.49         | 8.26         | 0-1                          | 0        |
|                                | 1       | 36        | 8.47         | 8.30         | 8.25         |                              | 0        |
|                                | 1       | 74        | 8.37         | 8.33         | 8.28         |                              | 0        |
|                                | 36      | 0         | 8.54         | 8.35         | 8.15         | 0-2                          | 0        |
|                                | 36      | 18        | 8.46         | 8.31         | 8.16         |                              | 0        |
|                                | 36      | 37        | 8.35         | 8.24         | 8.14         |                              | 0        |
|                                | 75      | 0         | 8.42         | 8.27         | 8.12         |                              | 0        |
| 64QAM                          | 1       | 0         | 8.52         | 8.40         | 8.10         | 0-2                          | 0        |
|                                | 1       | 36        | 8.44         | 8.43         | 8.06         |                              | 0        |
|                                | 1       | 74        | 8.47         | 8.53         | 8.25         |                              | 0        |
|                                | 36      | 0         | 8.32         | 8.21         | 7.90         | 0-3                          | 0        |
|                                | 36      | 18        | 8.34         | 8.20         | 7.93         |                              | 0        |
|                                | 36      | 37        | 8.29         | 8.27         | 8.02         |                              | 0        |
|                                | 75      | 0         | 8.31         | 8.22         | 7.93         |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 183 of 297                 |

**Table 8-275**  
**LTE Band 7 Conducted Powers Ant 2b - 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         | 8.66                  | 8.33                  | 8.15                  | 0                            | 0        |
|                                | 1       | 25        | 8.57                  | 8.19                  | 8.08                  |                              | 0        |
|                                | 1       | 49        | 8.41                  | 8.14                  | 8.06                  |                              | 0        |
|                                | 25      | 0         | 8.68                  | 8.48                  | 8.15                  | 0-1                          | 0        |
|                                | 25      | 12        | 8.63                  | 8.42                  | 8.15                  |                              | 0        |
|                                | 25      | 25        | 8.56                  | 8.42                  | 8.19                  |                              | 0        |
|                                | 50      | 0         | 8.64                  | 8.42                  | 8.18                  |                              | 0        |
| 16QAM                          | 1       | 0         | 8.78                  | 8.51                  | 8.27                  | 0-1                          | 0        |
|                                | 1       | 25        | 8.65                  | 8.37                  | 8.17                  |                              | 0        |
|                                | 1       | 49        | 8.39                  | 8.49                  | 8.13                  |                              | 0        |
|                                | 25      | 0         | 8.68                  | 8.48                  | 8.16                  | 0-2                          | 0        |
|                                | 25      | 12        | 8.60                  | 8.46                  | 8.15                  |                              | 0        |
|                                | 25      | 25        | 8.54                  | 8.45                  | 8.15                  |                              | 0        |
|                                | 50      | 0         | 8.60                  | 8.42                  | 8.18                  |                              | 0        |
| 64QAM                          | 1       | 0         | 8.45                  | 8.13                  | 8.10                  | 0-2                          | 0        |
|                                | 1       | 25        | 8.56                  | 8.00                  | 8.04                  |                              | 0        |
|                                | 1       | 49        | 8.61                  | 8.06                  | 8.05                  |                              | 0        |
|                                | 25      | 0         | 8.31                  | 7.97                  | 7.88                  | 0-3                          | 0        |
|                                | 25      | 12        | 8.34                  | 7.99                  | 7.94                  |                              | 0        |
|                                | 25      | 25        | 8.37                  | 8.10                  | 7.98                  |                              | 0        |
|                                | 50      | 0         | 8.34                  | 8.07                  | 7.97                  |                              | 0        |

**Table 8-276**  
**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         | 8.52                  | 8.48                  | 7.94                  | 0                            | 0        |
|                               | 1       | 12        | 8.46                  | 8.42                  | 8.00                  |                              | 0        |
|                               | 1       | 24        | 8.41                  | 8.44                  | 8.05                  |                              | 0        |
|                               | 12      | 0         | 8.57                  | 8.43                  | 8.16                  | 0-1                          | 0        |
|                               | 12      | 6         | 8.57                  | 8.43                  | 8.18                  |                              | 0        |
|                               | 12      | 13        | 8.56                  | 8.46                  | 8.14                  |                              | 0        |
|                               | 25      | 0         | 8.59                  | 8.45                  | 8.18                  |                              | 0        |
| 16QAM                         | 1       | 0         | 8.75                  | 8.55                  | 8.17                  | 0-1                          | 0        |
|                               | 1       | 12        | 8.66                  | 8.48                  | 8.24                  |                              | 0        |
|                               | 1       | 24        | 8.49                  | 8.47                  | 8.25                  |                              | 0        |
|                               | 12      | 0         | 8.58                  | 8.48                  | 8.15                  | 0-2                          | 0        |
|                               | 12      | 6         | 8.60                  | 8.49                  | 8.14                  |                              | 0        |
|                               | 12      | 13        | 8.60                  | 8.46                  | 8.15                  |                              | 0        |
|                               | 25      | 0         | 8.57                  | 8.45                  | 8.21                  |                              | 0        |
| 64QAM                         | 1       | 0         | 8.57                  | 8.32                  | 8.23                  | 0-2                          | 0        |
|                               | 1       | 12        | 8.58                  | 8.19                  | 8.28                  |                              | 0        |
|                               | 1       | 24        | 8.54                  | 8.25                  | 8.32                  |                              | 0        |
|                               | 12      | 0         | 8.36                  | 8.05                  | 8.10                  | 0-3                          | 0        |
|                               | 12      | 6         | 8.36                  | 8.06                  | 8.13                  |                              | 0        |
|                               | 12      | 13        | 8.38                  | 8.09                  | 8.06                  |                              | 0        |
|                               | 25      | 0         | 8.36                  | 8.06                  | 8.11                  |                              | 0        |

|                                         |                                                                                                   |                              |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   | Page 184 of 297                 |

**Table 8-277**  
**LTE Band 7 Conducted Powers Ant 4a - 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         | 14.45                 | 14.30                 | 14.57                 | 0                            | 0        |
|                                | 1       | 50        | 14.01                 | 14.22                 | 14.11                 |                              | 0        |
|                                | 1       | 99        | 14.19                 | 14.39                 | 14.35                 |                              | 0        |
|                                | 50      | 0         | 14.21                 | 14.21                 | 14.31                 | 0-1                          | 0        |
|                                | 50      | 25        | 13.94                 | 14.25                 | 14.02                 |                              | 0        |
|                                | 50      | 50        | 14.02                 | 14.30                 | 14.11                 |                              | 0        |
|                                | 100     | 0         | 13.96                 | 14.29                 | 14.04                 |                              | 0        |
| 16QAM                          | 1       | 0         | 14.31                 | 14.33                 | 14.54                 | 0-1                          | 0        |
|                                | 1       | 50        | 14.36                 | 14.27                 | 14.10                 |                              | 0        |
|                                | 1       | 99        | 14.35                 | 14.42                 | 14.31                 |                              | 0        |
|                                | 50      | 0         | 14.08                 | 14.00                 | 14.03                 | 0-2                          | 0        |
|                                | 50      | 25        | 14.07                 | 14.01                 | 13.81                 |                              | 0        |
|                                | 50      | 50        | 14.17                 | 14.12                 | 13.84                 |                              | 0        |
|                                | 100     | 0         | 14.10                 | 14.02                 | 13.83                 |                              | 0        |
| 64QAM                          | 1       | 0         | 14.28                 | 13.87                 | 14.26                 | 0-2                          | 0        |
|                                | 1       | 50        | 14.25                 | 13.88                 | 14.21                 |                              | 0        |
|                                | 1       | 99        | 14.17                 | 14.05                 | 14.00                 |                              | 0        |
|                                | 50      | 0         | 13.93                 | 13.81                 | 13.84                 | 0-3                          | 0        |
|                                | 50      | 25        | 14.04                 | 13.90                 | 13.80                 |                              | 0        |
|                                | 50      | 50        | 14.07                 | 13.96                 | 13.82                 |                              | 0        |
|                                | 100     | 0         | 14.01                 | 13.89                 | 13.78                 |                              | 0        |

**Table 8-278**  
**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         | 14.09                 | 14.21                 | 14.11                 | 0                            | 0        |
|                                | 1       | 36        | 14.14                 | 14.14                 | 13.86                 |                              | 0        |
|                                | 1       | 74        | 14.30                 | 14.30                 | 14.15                 |                              | 0        |
|                                | 36      | 0         | 14.08                 | 14.19                 | 13.90                 | 0-1                          | 0        |
|                                | 36      | 18        | 14.13                 | 14.14                 | 13.86                 |                              | 0        |
|                                | 36      | 37        | 14.19                 | 14.27                 | 14.03                 |                              | 0        |
|                                | 75      | 0         | 14.15                 | 14.21                 | 13.88                 |                              | 0        |
| 16QAM                          | 1       | 0         | 14.28                 | 14.39                 | 14.18                 | 0-1                          | 0        |
|                                | 1       | 36        | 14.26                 | 14.36                 | 14.07                 |                              | 0        |
|                                | 1       | 74        | 14.46                 | 14.45                 | 14.30                 |                              | 0        |
|                                | 36      | 0         | 14.14                 | 14.16                 | 13.90                 | 0-2                          | 0        |
|                                | 36      | 18        | 14.19                 | 14.13                 | 13.87                 |                              | 0        |
|                                | 36      | 37        | 14.26                 | 14.26                 | 14.02                 |                              | 0        |
|                                | 75      | 0         | 14.21                 | 14.20                 | 13.86                 |                              | 0        |
| 64QAM                          | 1       | 0         | 14.25                 | 14.37                 | 14.18                 | 0-2                          | 0        |
|                                | 1       | 36        | 14.31                 | 14.33                 | 13.97                 |                              | 0        |
|                                | 1       | 74        | 14.47                 | 14.41                 | 14.37                 |                              | 0        |
|                                | 36      | 0         | 14.14                 | 14.15                 | 13.89                 | 0-3                          | 0        |
|                                | 36      | 18        | 14.21                 | 14.13                 | 13.85                 |                              | 0        |
|                                | 36      | 37        | 14.27                 | 14.26                 | 14.02                 |                              | 0        |
|                                | 75      | 0         | 14.20                 | 14.20                 | 13.84                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 185 of 297                        |

**Table 8-279**  
**LTE Band 7 Conducted Powers Ant 4a - 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        | 21100        | 21400        |                              |          |
|                       |         |           | (2505.0 MHz) | (2535.0 MHz) | (2565.0 MHz) |                              |          |
| Conducted Power [dBm] |         |           |              |              |              |                              |          |
| QPSK                  | 1       | 0         | 14.06        | 14.16        | 14.08        | 0                            | 0        |
|                       | 1       | 25        | 14.09        | 14.17        | 13.96        |                              | 0        |
|                       | 1       | 49        | 14.22        | 14.35        | 14.11        |                              | 0        |
|                       | 25      | 0         | 14.11        | 14.10        | 13.81        | 0-1                          | 0        |
|                       | 25      | 12        | 14.08        | 14.04        | 13.93        |                              | 0        |
|                       | 25      | 25        | 14.12        | 14.20        | 14.07        |                              | 0        |
|                       | 50      | 0         | 14.11        | 14.12        | 13.98        |                              | 0        |
| 16QAM                 | 1       | 0         | 14.25        | 14.21        | 14.06        | 0-1                          | 0        |
|                       | 1       | 25        | 14.27        | 14.36        | 14.09        |                              | 0        |
|                       | 1       | 49        | 14.39        | 14.43        | 14.34        |                              | 0        |
|                       | 25      | 0         | 14.10        | 14.13        | 13.80        | 0-2                          | 0        |
|                       | 25      | 12        | 14.09        | 14.19        | 13.92        |                              | 0        |
|                       | 25      | 25        | 14.14        | 14.12        | 14.06        |                              | 0        |
|                       | 50      | 0         | 14.10        | 14.12        | 13.98        |                              | 0        |
| 64QAM                 | 1       | 0         | 14.17        | 14.21        | 14.08        | 0-2                          | 0        |
|                       | 1       | 25        | 14.24        | 14.24        | 14.13        |                              | 0        |
|                       | 1       | 49        | 14.32        | 14.44        | 14.25        |                              | 0        |
|                       | 25      | 0         | 14.11        | 14.09        | 13.79        | 0-3                          | 0        |
|                       | 25      | 12        | 14.07        | 14.11        | 13.92        |                              | 0        |
|                       | 25      | 25        | 14.11        | 14.19        | 14.04        |                              | 0        |
|                       | 50      | 0         | 14.08        | 14.12        | 13.96        |                              | 0        |

**Table 8-280**  
**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         | 13.97                 | 14.01                 | 14.14                 | 0                            | 0        |
|                               | 1       | 12        | 14.01                 | 14.10                 | 14.10                 |                              | 0        |
|                               | 1       | 24        | 14.05                 | 14.16                 | 14.11                 |                              | 0        |
|                               | 12      | 0         | 13.98                 | 13.97                 | 14.04                 | 0-1                          | 0        |
|                               | 12      | 6         | 14.00                 | 13.98                 | 14.06                 |                              | 0        |
|                               | 12      | 13        | 13.96                 | 14.10                 | 14.09                 |                              | 0        |
|                               | 25      | 0         | 14.02                 | 14.08                 | 14.08                 |                              | 0        |
| 16QAM                         | 1       | 0         | 14.05                 | 14.26                 | 14.18                 | 0-1                          | 0        |
|                               | 1       | 12        | 14.15                 | 14.25                 | 14.29                 |                              | 0        |
|                               | 1       | 24        | 14.23                 | 14.35                 | 14.36                 |                              | 0        |
|                               | 12      | 0         | 13.92                 | 13.99                 | 14.06                 | 0-2                          | 0        |
|                               | 12      | 6         | 13.96                 | 14.00                 | 14.11                 |                              | 0        |
|                               | 12      | 13        | 13.95                 | 14.10                 | 14.09                 |                              | 0        |
|                               | 25      | 0         | 13.94                 | 14.09                 | 14.10                 |                              | 0        |
| 64QAM                         | 1       | 0         | 14.01                 | 14.16                 | 14.08                 | 0-2                          | 0        |
|                               | 1       | 12        | 14.05                 | 14.24                 | 14.22                 |                              | 0        |
|                               | 1       | 24        | 14.08                 | 14.21                 | 14.29                 |                              | 0        |
|                               | 12      | 0         | 13.90                 | 13.97                 | 14.02                 | 0-3                          | 0        |
|                               | 12      | 6         | 13.93                 | 14.01                 | 14.07                 |                              | 0        |
|                               | 12      | 13        | 13.94                 | 14.08                 | 14.09                 |                              | 0        |
|                               | 25      | 0         | 13.92                 | 14.06                 | 14.07                 |                              | 0        |

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 186 of 297                        |

Table 8-281

## 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         | 10.94                 | 11.22                 | 11.21                 | 0                            | 0        |
|                                | 1       | 50        | 11.02                 | 11.35                 | 11.13                 |                              | 0        |
|                                | 1       | 99        | 11.21                 | 11.52                 | 11.13                 |                              | 0        |
|                                | 50      | 0         | 10.88                 | 11.15                 | 11.07                 | 0-1                          | 0        |
|                                | 50      | 25        | 10.97                 | 11.28                 | 11.02                 |                              | 0        |
|                                | 50      | 50        | 11.19                 | 11.37                 | 11.02                 |                              | 0        |
|                                | 100     | 0         | 11.16                 | 11.31                 | 11.03                 |                              | 0        |
| 16QAM                          | 1       | 0         | 11.25                 | 11.25                 | 11.60                 | 0-1                          | 0        |
|                                | 1       | 50        | 11.35                 | 11.22                 | 11.44                 |                              | 0        |
|                                | 1       | 99        | 11.39                 | 11.40                 | 11.60                 |                              | 0        |
|                                | 50      | 0         | 11.16                 | 11.18                 | 11.28                 | 0-2                          | 0        |
|                                | 50      | 25        | 11.22                 | 11.17                 | 11.21                 |                              | 0        |
|                                | 50      | 50        | 11.37                 | 11.23                 | 11.26                 |                              | 0        |
|                                | 100     | 0         | 11.31                 | 11.22                 | 11.23                 |                              | 0        |
| 64QAM                          | 1       | 0         | 11.27                 | 11.52                 | 11.60                 | 0-2                          | 0        |
|                                | 1       | 50        | 11.30                 | 11.58                 | 11.45                 |                              | 0        |
|                                | 1       | 99        | 11.40                 | 11.60                 | 11.40                 |                              | 0        |
|                                | 50      | 0         | 11.15                 | 11.21                 | 11.29                 | 0-3                          | 0        |
|                                | 50      | 25        | 11.24                 | 11.11                 | 11.22                 |                              | 0        |
|                                | 50      | 50        | 11.37                 | 11.20                 | 11.24                 |                              | 0        |
|                                | 100     | 0         | 11.24                 | 11.18                 | 11.23                 |                              | 0        |

Table 8-282

## 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         | 11.34                 | 11.09                 | 11.04                 | 0                            | 0        |
|                                | 1       | 36        | 11.33                 | 11.31                 | 11.11                 |                              | 0        |
|                                | 1       | 74        | 11.34                 | 11.23                 | 10.93                 |                              | 0        |
|                                | 36      | 0         | 11.06                 | 11.17                 | 11.04                 | 0-1                          | 0        |
|                                | 36      | 18        | 11.11                 | 11.20                 | 11.15                 |                              | 0        |
|                                | 36      | 37        | 11.17                 | 11.24                 | 11.07                 |                              | 0        |
|                                | 75      | 0         | 11.15                 | 11.23                 | 11.16                 |                              | 0        |
| 16QAM                          | 1       | 0         | 11.33                 | 11.21                 | 11.15                 | 0-1                          | 0        |
|                                | 1       | 36        | 11.40                 | 11.41                 | 11.11                 |                              | 0        |
|                                | 1       | 74        | 11.46                 | 11.40                 | 11.00                 |                              | 0        |
|                                | 36      | 0         | 11.04                 | 11.14                 | 11.03                 | 0-2                          | 0        |
|                                | 36      | 18        | 11.07                 | 11.22                 | 11.13                 |                              | 0        |
|                                | 36      | 37        | 11.13                 | 11.26                 | 11.07                 |                              | 0        |
|                                | 75      | 0         | 11.11                 | 11.22                 | 11.14                 |                              | 0        |
| 64QAM                          | 1       | 0         | 11.12                 | 11.35                 | 11.55                 | 0-2                          | 0        |
|                                | 1       | 36        | 11.34                 | 11.31                 | 11.58                 |                              | 0        |
|                                | 1       | 74        | 11.24                 | 11.45                 | 11.34                 |                              | 0        |
|                                | 36      | 0         | 11.14                 | 11.19                 | 11.09                 | 0-3                          | 0        |
|                                | 36      | 18        | 11.23                 | 11.24                 | 11.15                 |                              | 0        |
|                                | 36      | 37        | 11.24                 | 11.26                 | 11.08                 |                              | 0        |
|                                | 75      | 0         | 11.23                 | 11.24                 | 11.14                 |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 187 of 297                 |

Table 8-283

## 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 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         | 11.08                 | 11.32                 | 11.09                 | 0                         | 0        |
|                  | 1       | 25        | 10.98                 | 11.33                 | 11.17                 |                           | 0        |
|                  | 1       | 49        | 11.30                 | 11.39                 | 11.10                 |                           | 0        |
|                  | 25      | 0         | 11.26                 | 11.38                 | 11.22                 | 0-1                       | 0        |
|                  | 25      | 12        | 11.21                 | 11.39                 | 11.17                 |                           | 0        |
|                  | 25      | 25        | 11.30                 | 11.41                 | 11.19                 |                           | 0        |
|                  | 50      | 0         | 11.24                 | 11.39                 | 11.21                 |                           | 0        |
| 16QAM            | 1       | 0         | 11.34                 | 11.47                 | 11.33                 | 0-1                       | 0        |
|                  | 1       | 25        | 11.35                 | 11.50                 | 11.15                 |                           | 0        |
|                  | 1       | 49        | 11.42                 | 11.44                 | 11.25                 |                           | 0        |
|                  | 25      | 0         | 11.24                 | 11.37                 | 11.21                 | 0-2                       | 0        |
|                  | 25      | 12        | 11.20                 | 11.37                 | 11.18                 |                           | 0        |
|                  | 25      | 25        | 11.29                 | 11.45                 | 11.16                 |                           | 0        |
|                  | 50      | 0         | 11.23                 | 11.42                 | 11.19                 |                           | 0        |
| 64QAM            | 1       | 0         | 11.32                 | 11.46                 | 11.22                 | 0-2                       | 0        |
|                  | 1       | 25        | 11.42                 | 11.51                 | 11.60                 |                           | 0        |
|                  | 1       | 49        | 11.49                 | 11.60                 | 11.34                 |                           | 0        |
|                  | 25      | 0         | 11.27                 | 11.37                 | 11.21                 | 0-3                       | 0        |
|                  | 25      | 12        | 11.23                 | 11.33                 | 11.22                 |                           | 0        |
|                  | 25      | 25        | 11.27                 | 11.38                 | 11.15                 |                           | 0        |
|                  | 50      | 0         | 11.23                 | 11.40                 | 11.22                 |                           | 0        |

Table 8-284

## 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         | 11.20                 | 11.52                 | 11.06                 | 0                            | 0        |
|                               | 1       | 12        | 11.21                 | 11.48                 | 10.96                 |                              | 0        |
|                               | 1       | 24        | 11.19                 | 11.57                 | 11.14                 |                              | 0        |
|                               | 12      | 0         | 11.25                 | 11.38                 | 11.24                 | 0-1                          | 0        |
|                               | 12      | 6         | 11.20                 | 11.34                 | 11.19                 |                              | 0        |
|                               | 12      | 13        | 11.12                 | 11.42                 | 11.20                 |                              | 0        |
|                               | 25      | 0         | 11.22                 | 11.40                 | 11.22                 |                              | 0        |
| 16QAM                         | 1       | 0         | 11.34                 | 11.60                 | 11.21                 | 0-1                          | 0        |
|                               | 1       | 12        | 11.36                 | 11.55                 | 11.22                 |                              | 0        |
|                               | 1       | 24        | 11.26                 | 11.59                 | 11.39                 |                              | 0        |
|                               | 12      | 0         | 11.28                 | 11.44                 | 11.23                 | 0-2                          | 0        |
|                               | 12      | 6         | 11.20                 | 11.32                 | 11.28                 |                              | 0        |
|                               | 12      | 13        | 11.13                 | 11.45                 | 11.19                 |                              | 0        |
|                               | 25      | 0         | 11.19                 | 11.40                 | 11.19                 |                              | 0        |
| 64QAM                         | 1       | 0         | 11.39                 | 11.57                 | 11.44                 | 0-2                          | 0        |
|                               | 1       | 12        | 11.36                 | 11.57                 | 11.44                 |                              | 0        |
|                               | 1       | 24        | 11.14                 | 11.59                 | 11.34                 |                              | 0        |
|                               | 12      | 0         | 11.21                 | 11.33                 | 11.15                 | 0-3                          | 0        |
|                               | 12      | 6         | 11.12                 | 11.36                 | 11.13                 |                              | 0        |
|                               | 12      | 13        | 11.06                 | 11.41                 | 11.13                 |                              | 0        |
|                               | 25      | 0         | 11.15                 | 11.39                 | 11.10                 |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 188 of 297                 |

**Table 8-285**  
**LTE Band 7 Conducted Powers Ant 4b - 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         | 12.33                 | 12.25                 | 12.05                 | 0                            | 0        |
|                                | 1       | 50        | 12.40                 | 12.28                 | 12.14                 |                              | 0        |
|                                | 1       | 99        | 12.43                 | 12.21                 | 12.28                 |                              | 0        |
|                                | 50      | 0         | 12.24                 | 12.03                 | 12.00                 | 0-1                          | 0        |
|                                | 50      | 25        | 12.32                 | 12.21                 | 12.10                 |                              | 0        |
|                                | 50      | 50        | 12.45                 | 12.07                 | 12.23                 |                              | 0        |
|                                | 100     | 0         | 12.32                 | 12.13                 | 12.09                 |                              | 0        |
| 16QAM                          | 1       | 0         | 12.17                 | 12.27                 | 12.07                 | 0-1                          | 0        |
|                                | 1       | 50        | 12.37                 | 12.32                 | 12.13                 |                              | 0        |
|                                | 1       | 99        | 12.49                 | 12.18                 | 12.20                 |                              | 0        |
|                                | 50      | 0         | 12.07                 | 12.22                 | 11.86                 | 0-2                          | 0        |
|                                | 50      | 25        | 12.08                 | 11.97                 | 11.94                 |                              | 0        |
|                                | 50      | 50        | 12.15                 | 11.98                 | 11.97                 |                              | 0        |
|                                | 100     | 0         | 12.00                 | 12.08                 | 11.96                 |                              | 0        |
| 64QAM                          | 1       | 0         | 11.97                 | 11.99                 | 11.95                 | 0-2                          | 0        |
|                                | 1       | 50        | 11.69                 | 11.88                 | 11.86                 |                              | 0        |
|                                | 1       | 99        | 11.81                 | 12.12                 | 11.98                 |                              | 0        |
|                                | 50      | 0         | 11.67                 | 12.21                 | 12.11                 | 0-3                          | 0        |
|                                | 50      | 25        | 11.88                 | 11.95                 | 12.05                 |                              | 0        |
|                                | 50      | 50        | 11.85                 | 11.89                 | 12.06                 |                              | 0        |
|                                | 100     | 0         | 11.83                 | 11.97                 | 12.11                 |                              | 0        |

**Table 8-286**  
**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        | 21100        | 21375        |                              |          |
|                                |         |           | (2507.5 MHz) | (2535.0 MHz) | (2562.5 MHz) |                              |          |
| Conducted Power [dBm]          |         |           |              |              |              |                              |          |
| QPSK                           | 1       | 0         | 12.03        | 11.55        | 11.66        | 0                            | 0        |
|                                | 1       | 36        | 11.91        | 11.80        | 11.83        |                              | 0        |
|                                | 1       | 74        | 12.03        | 11.78        | 11.77        |                              | 0        |
|                                | 36      | 0         | 11.89        | 11.69        | 11.71        | 0-1                          | 0        |
|                                | 36      | 18        | 11.75        | 11.84        | 11.80        |                              | 0        |
|                                | 36      | 37        | 11.77        | 11.88        | 11.78        |                              | 0        |
|                                | 75      | 0         | 11.73        | 11.82        | 11.78        |                              | 0        |
| 16QAM                          | 1       | 0         | 12.23        | 11.78        | 11.82        | 0-1                          | 0        |
|                                | 1       | 36        | 11.97        | 11.97        | 11.94        |                              | 0        |
|                                | 1       | 74        | 11.93        | 11.94        | 11.97        |                              | 0        |
|                                | 36      | 0         | 11.74        | 11.66        | 11.68        | 0-2                          | 0        |
|                                | 36      | 18        | 11.65        | 11.85        | 11.78        |                              | 0        |
|                                | 36      | 37        | 11.71        | 11.86        | 11.76        |                              | 0        |
|                                | 75      | 0         | 11.58        | 11.83        | 11.78        |                              | 0        |
| 64QAM                          | 1       | 0         | 11.58        | 11.51        | 11.58        | 0-2                          | 0        |
|                                | 1       | 36        | 11.61        | 11.54        | 11.61        |                              | 0        |
|                                | 1       | 74        | 11.59        | 11.59        | 11.55        |                              | 0        |
|                                | 36      | 0         | 11.63        | 11.57        | 11.68        | 0-3                          | 0        |
|                                | 36      | 18        | 11.68        | 11.61        | 11.59        |                              | 0        |
|                                | 36      | 37        | 11.72        | 11.62        | 11.67        |                              | 0        |
|                                | 75      | 0         | 11.83        | 11.83        | 11.53        |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 189 of 297                 |

**Table 8-287**  
**LTE Band 7 Conducted Powers Ant 4b - 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         | 11.86                 | 11.70                 | 11.92                 | 0                            | 0        |
|                                | 1       | 25        | 11.90                 | 11.93                 | 11.99                 |                              | 0        |
|                                | 1       | 49        | 11.89                 | 12.04                 | 12.00                 |                              | 0        |
|                                | 25      | 0         | 11.93                 | 11.90                 | 11.97                 | 0-1                          | 0        |
|                                | 25      | 12        | 11.92                 | 11.97                 | 11.99                 |                              | 0        |
|                                | 25      | 25        | 11.87                 | 12.02                 | 12.04                 |                              | 0        |
|                                | 50      | 0         | 11.92                 | 12.01                 | 12.00                 |                              | 0        |
| 16QAM                          | 1       | 0         | 12.18                 | 11.99                 | 12.17                 | 0-1                          | 0        |
|                                | 1       | 25        | 12.21                 | 12.17                 | 12.23                 |                              | 0        |
|                                | 1       | 49        | 12.16                 | 12.26                 | 12.19                 |                              | 0        |
|                                | 25      | 0         | 11.91                 | 11.89                 | 11.97                 | 0-2                          | 0        |
|                                | 25      | 12        | 11.90                 | 11.96                 | 11.99                 |                              | 0        |
|                                | 25      | 25        | 11.87                 | 12.06                 | 12.04                 |                              | 0        |
|                                | 50      | 0         | 11.91                 | 11.99                 | 12.00                 |                              | 0        |
| 64QAM                          | 1       | 0         | 11.98                 | 11.97                 | 12.05                 | 0-2                          | 0        |
|                                | 1       | 25        | 11.91                 | 11.92                 | 11.98                 |                              | 0        |
|                                | 1       | 49        | 11.95                 | 11.87                 | 11.88                 |                              | 0        |
|                                | 25      | 0         | 11.96                 | 11.83                 | 12.06                 | 0-3                          | 0        |
|                                | 25      | 12        | 11.87                 | 11.72                 | 12.07                 |                              | 0        |
|                                | 25      | 25        | 11.89                 | 12.10                 | 11.95                 |                              | 0        |
|                                | 50      | 0         | 11.95                 | 12.08                 | 11.93                 |                              | 0        |

**Table 8-288**  
**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         | 11.88                 | 11.95                 | 11.73                 | 0                            | 0        |
|                               | 1       | 12        | 11.88                 | 12.05                 | 11.68                 |                              | 0        |
|                               | 1       | 24        | 11.87                 | 12.11                 | 11.76                 |                              | 0        |
|                               | 12      | 0         | 11.80                 | 11.93                 | 11.76                 | 0-1                          | 0        |
|                               | 12      | 6         | 11.80                 | 11.92                 | 11.80                 |                              | 0        |
|                               | 12      | 13        | 11.88                 | 11.97                 | 11.76                 |                              | 0        |
|                               | 25      | 0         | 11.81                 | 11.96                 | 11.80                 |                              | 0        |
| 16QAM                         | 1       | 0         | 12.09                 | 11.99                 | 12.03                 | 0-1                          | 0        |
|                               | 1       | 12        | 12.17                 | 12.08                 | 11.93                 |                              | 0        |
|                               | 1       | 24        | 12.10                 | 12.11                 | 12.09                 |                              | 0        |
|                               | 12      | 0         | 11.83                 | 11.90                 | 11.82                 | 0-2                          | 0        |
|                               | 12      | 6         | 11.79                 | 11.95                 | 11.83                 |                              | 0        |
|                               | 12      | 13        | 11.84                 | 11.98                 | 11.80                 |                              | 0        |
|                               | 25      | 0         | 11.86                 | 11.96                 | 11.79                 |                              | 0        |
| 64QAM                         | 1       | 0         | 11.92                 | 11.93                 | 12.01                 | 0-2                          | 0        |
|                               | 1       | 12        | 11.85                 | 11.91                 | 11.98                 |                              | 0        |
|                               | 1       | 24        | 12.00                 | 11.89                 | 11.89                 |                              | 0        |
|                               | 12      | 0         | 12.05                 | 11.95                 | 11.92                 | 0-3                          | 0        |
|                               | 12      | 6         | 11.95                 | 11.85                 | 11.95                 |                              | 0        |
|                               | 12      | 13        | 11.93                 | 11.93                 | 12.03                 |                              | 0        |
|                               | 25      | 0         | 11.87                 | 12.00                 | 12.01                 |                              | 0        |

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 190 of 297                        |

**Table 8-289**  
**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         | 9.16                  | 8.77                  | 9.21                  | 0                            | 0        |
|                                | 1       | 50        | 9.36                  | 8.80                  | 9.36                  |                              | 0        |
|                                | 1       | 99        | 9.25                  | 9.03                  | 9.30                  |                              | 0        |
|                                | 50      | 0         | 9.35                  | 9.03                  | 9.22                  | 0-1                          | 0        |
|                                | 50      | 25        | 9.36                  | 9.00                  | 9.26                  |                              | 0        |
|                                | 50      | 50        | 9.28                  | 9.01                  | 9.27                  |                              | 0        |
|                                | 100     | 0         | 9.31                  | 9.04                  | 9.25                  |                              | 0        |
| 16QAM                          | 1       | 0         | 9.30                  | 8.70                  | 8.90                  | 0-1                          | 0        |
|                                | 1       | 50        | 9.12                  | 9.00                  | 9.23                  |                              | 0        |
|                                | 1       | 99        | 9.23                  | 8.89                  | 9.45                  |                              | 0        |
|                                | 50      | 0         | 9.25                  | 8.96                  | 8.77                  | 0-2                          | 0        |
|                                | 50      | 25        | 9.22                  | 8.94                  | 9.03                  |                              | 0        |
|                                | 50      | 50        | 9.29                  | 8.83                  | 9.15                  |                              | 0        |
|                                | 100     | 0         | 9.19                  | 9.00                  | 9.02                  |                              | 0        |
| 64QAM                          | 1       | 0         | 9.40                  | 9.03                  | 9.28                  | 0-2                          | 0        |
|                                | 1       | 50        | 9.47                  | 8.76                  | 9.13                  |                              | 0        |
|                                | 1       | 99        | 9.30                  | 8.95                  | 9.50                  |                              | 0        |
|                                | 50      | 0         | 9.09                  | 8.78                  | 8.74                  | 0-3                          | 0        |
|                                | 50      | 25        | 9.13                  | 8.76                  | 9.00                  |                              | 0        |
|                                | 50      | 50        | 9.31                  | 8.74                  | 9.11                  |                              | 0        |
|                                | 100     | 0         | 9.09                  | 8.87                  | 9.01                  |                              | 0        |

**Table 8-290**  
**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        | 21100        | 21375        |                              |          |
|                                |         |           | (2507.5 MHz) | (2535.0 MHz) | (2562.5 MHz) |                              |          |
| Conducted Power [dBm]          |         |           |              |              |              |                              |          |
| QPSK                           | 1       | 0         | 9.28         | 8.62         | 8.96         | 0                            | 0        |
|                                | 1       | 36        | 9.16         | 8.87         | 9.12         |                              | 0        |
|                                | 1       | 74        | 9.27         | 8.82         | 9.08         |                              | 0        |
|                                | 36      | 0         | 9.09         | 8.99         | 9.10         | 0-1                          | 0        |
|                                | 36      | 18        | 8.99         | 9.01         | 9.15         |                              | 0        |
|                                | 36      | 37        | 9.03         | 8.97         | 9.15         |                              | 0        |
|                                | 75      | 0         | 9.01         | 9.02         | 9.09         |                              | 0        |
| 16QAM                          | 1       | 0         | 9.31         | 9.01         | 9.16         | 0-1                          | 0        |
|                                | 1       | 36        | 9.21         | 9.03         | 9.40         |                              | 0        |
|                                | 1       | 74        | 9.26         | 9.05         | 9.06         |                              | 0        |
|                                | 36      | 0         | 9.11         | 9.01         | 9.07         | 0-2                          | 0        |
|                                | 36      | 18        | 8.96         | 9.03         | 9.15         |                              | 0        |
|                                | 36      | 37        | 8.97         | 8.97         | 9.15         |                              | 0        |
|                                | 75      | 0         | 8.96         | 9.00         | 9.12         |                              | 0        |
| 64QAM                          | 1       | 0         | 9.46         | 8.74         | 9.49         | 0-2                          | 0        |
|                                | 1       | 36        | 9.32         | 8.93         | 9.46         |                              | 0        |
|                                | 1       | 74        | 9.25         | 8.91         | 9.25         |                              | 0        |
|                                | 36      | 0         | 9.31         | 8.80         | 9.12         | 0-3                          | 0        |
|                                | 36      | 18        | 9.19         | 8.85         | 9.22         |                              | 0        |
|                                | 36      | 37        | 9.12         | 8.85         | 9.20         |                              | 0        |
|                                | 75      | 0         | 9.09         | 8.87         | 9.12         |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 191 of 297                 |

**Table 8-291**  
**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         | 9.31                  | 8.78                  | 9.21                  | 0                            | 0        |
|                                | 1       | 25        | 9.22                  | 8.74                  | 9.18                  |                              | 0        |
|                                | 1       | 49        | 9.08                  | 8.90                  | 9.09                  |                              | 0        |
|                                | 25      | 0         | 9.29                  | 8.88                  | 9.19                  | 0-1                          | 0        |
|                                | 25      | 12        | 9.24                  | 8.93                  | 9.18                  |                              | 0        |
|                                | 25      | 25        | 9.10                  | 8.94                  | 9.24                  |                              | 0        |
|                                | 50      | 0         | 9.24                  | 8.96                  | 9.20                  |                              | 0        |
| 16QAM                          | 1       | 0         | 9.50                  | 9.19                  | 9.50                  | 0-1                          | 0        |
|                                | 1       | 25        | 9.43                  | 9.03                  | 9.48                  |                              | 0        |
|                                | 1       | 49        | 9.35                  | 9.18                  | 9.14                  |                              | 0        |
|                                | 25      | 0         | 9.25                  | 8.90                  | 9.20                  | 0-2                          | 0        |
|                                | 25      | 12        | 9.22                  | 8.95                  | 9.24                  |                              | 0        |
|                                | 25      | 25        | 9.07                  | 8.90                  | 9.25                  |                              | 0        |
|                                | 50      | 0         | 9.22                  | 8.98                  | 9.19                  |                              | 0        |
| 64QAM                          | 1       | 0         | 9.39                  | 9.21                  | 9.40                  | 0-2                          | 0        |
|                                | 1       | 25        | 9.44                  | 9.17                  | 9.24                  |                              | 0        |
|                                | 1       | 49        | 9.36                  | 9.02                  | 9.25                  |                              | 0        |
|                                | 25      | 0         | 9.08                  | 8.90                  | 9.21                  | 0-3                          | 0        |
|                                | 25      | 12        | 9.07                  | 8.79                  | 9.15                  |                              | 0        |
|                                | 25      | 25        | 8.95                  | 8.76                  | 9.15                  |                              | 0        |
|                                | 50      | 0         | 9.06                  | 8.82                  | 9.06                  |                              | 0        |

**Table 8-292**  
**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         | 9.23                  | 8.60                  | 9.02                  | 0                            | 0        |
|                               | 1       | 12        | 9.24                  | 8.68                  | 9.07                  |                              | 0        |
|                               | 1       | 24        | 9.24                  | 8.82                  | 9.10                  |                              | 0        |
|                               | 12      | 0         | 9.15                  | 8.67                  | 8.96                  | 0-1                          | 0        |
|                               | 12      | 6         | 9.17                  | 8.72                  | 9.14                  |                              | 0        |
|                               | 12      | 13        | 9.13                  | 8.73                  | 9.18                  |                              | 0        |
|                               | 25      | 0         | 9.17                  | 8.73                  | 9.13                  |                              | 0        |
| 16QAM                         | 1       | 0         | 9.40                  | 8.80                  | 8.98                  | 0-1                          | 0        |
|                               | 1       | 12        | 9.49                  | 8.88                  | 9.11                  |                              | 0        |
|                               | 1       | 24        | 9.46                  | 8.99                  | 9.15                  |                              | 0        |
|                               | 12      | 0         | 9.17                  | 8.68                  | 8.99                  | 0-2                          | 0        |
|                               | 12      | 6         | 9.19                  | 8.69                  | 9.09                  |                              | 0        |
|                               | 12      | 13        | 9.19                  | 8.73                  | 9.12                  |                              | 0        |
|                               | 25      | 0         | 9.14                  | 8.77                  | 9.18                  |                              | 0        |
| 64QAM                         | 1       | 0         | 9.25                  | 8.90                  | 9.43                  | 0-2                          | 0        |
|                               | 1       | 12        | 9.33                  | 8.94                  | 9.45                  |                              | 0        |
|                               | 1       | 24        | 9.31                  | 9.14                  | 9.42                  |                              | 0        |
|                               | 12      | 0         | 9.20                  | 8.69                  | 9.06                  | 0-3                          | 0        |
|                               | 12      | 6         | 9.27                  | 8.66                  | 9.17                  |                              | 0        |
|                               | 12      | 13        | 9.26                  | 8.72                  | 9.19                  |                              | 0        |
|                               | 25      | 0         | 9.17                  | 8.71                  | 9.12                  |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 192 of 297                 |

## 8.3.13

## LTE Band 41

**Table 8-293**  
**LTE Band 41 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         | 16.17                 | 16.15                 | 15.81                 | 16.23                 | 15.87                 | 0                            | 0        |
|                                 | 1       | 50        | 16.39                 | 16.24                 | 15.96                 | 16.08                 | 15.91                 |                              | 0        |
|                                 | 1       | 99        | 16.31                 | 16.12                 | 16.11                 | 16.02                 | 15.79                 |                              | 0        |
|                                 | 50      | 0         | 16.34                 | 16.20                 | 15.92                 | 16.07                 | 15.94                 | 0-1                          | 0        |
|                                 | 50      | 25        | 16.38                 | 16.26                 | 15.95                 | 16.01                 | 15.91                 |                              | 0        |
|                                 | 50      | 50        | 16.37                 | 16.15                 | 16.08                 | 15.95                 | 15.89                 |                              | 0        |
|                                 | 100     | 0         | 16.32                 | 16.23                 | 15.99                 | 15.99                 | 15.93                 |                              | 0        |
| 16QAM                           | 1       | 0         | 16.11                 | 16.07                 | 15.62                 | 15.97                 | 15.76                 | 0-1                          | 0        |
|                                 | 1       | 50        | 16.29                 | 16.19                 | 15.73                 | 15.79                 | 15.83                 |                              | 0        |
|                                 | 1       | 99        | 16.24                 | 16.07                 | 16.00                 | 15.86                 | 15.68                 |                              | 0        |
|                                 | 50      | 0         | 16.11                 | 15.96                 | 15.68                 | 15.87                 | 15.65                 | 0-2                          | 0        |
|                                 | 50      | 25        | 16.19                 | 16.01                 | 15.75                 | 15.76                 | 15.63                 |                              | 0        |
|                                 | 50      | 50        | 16.12                 | 15.95                 | 15.82                 | 15.66                 | 15.63                 |                              | 0        |
|                                 | 100     | 0         | 16.09                 | 16.00                 | 15.72                 | 15.75                 | 15.68                 |                              | 0        |
| 64QAM                           | 1       | 0         | 16.01                 | 16.18                 | 15.52                 | 15.86                 | 15.70                 | 0-2                          | 0        |
|                                 | 1       | 50        | 16.24                 | 16.13                 | 15.92                 | 15.74                 | 15.66                 |                              | 0        |
|                                 | 1       | 99        | 16.17                 | 15.90                 | 15.87                 | 15.57                 | 15.48                 |                              | 0        |
|                                 | 50      | 0         | 16.13                 | 15.97                 | 15.66                 | 15.82                 | 15.69                 | 0-3                          | 0        |
|                                 | 50      | 25        | 16.16                 | 16.06                 | 15.72                 | 15.77                 | 15.63                 |                              | 0        |
|                                 | 50      | 50        | 16.14                 | 15.92                 | 15.80                 | 15.71                 | 15.61                 |                              | 0        |
|                                 | 100     | 0         | 16.12                 | 16.03                 | 15.69                 | 15.75                 | 15.65                 |                              | 0        |

**Table 8-294**  
**LTE Band 41 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         | 16.20                 | 15.94                 | 15.70                 | 15.98                 | 15.75                 | 0                            | 0        |
|                                 | 1       | 36        | 16.19                 | 16.07                 | 15.87                 | 15.94                 | 15.83                 |                              | 0        |
|                                 | 1       | 74        | 16.12                 | 15.89                 | 15.98                 | 15.73                 | 15.70                 |                              | 0        |
|                                 | 36      | 0         | 16.11                 | 15.88                 | 15.72                 | 15.88                 | 15.75                 | 0-1                          | 0        |
|                                 | 36      | 18        | 16.11                 | 15.98                 | 15.79                 | 15.87                 | 15.76                 |                              | 0        |
|                                 | 36      | 37        | 16.05                 | 15.87                 | 15.83                 | 15.68                 | 15.70                 |                              | 0        |
|                                 | 75      | 0         | 16.07                 | 15.97                 | 15.78                 | 15.83                 | 15.75                 |                              | 0        |
| 16QAM                           | 1       | 0         | 16.37                 | 16.14                 | 15.81                 | 16.12                 | 15.98                 | 0-1                          | 0        |
|                                 | 1       | 36        | 16.40                 | 16.13                 | 16.04                 | 16.12                 | 15.93                 |                              | 0        |
|                                 | 1       | 74        | 16.16                 | 16.06                 | 16.14                 | 15.92                 | 15.80                 |                              | 0        |
|                                 | 36      | 0         | 16.10                 | 15.89                 | 15.71                 | 15.92                 | 15.75                 | 0-2                          | 0        |
|                                 | 36      | 18        | 16.10                 | 15.99                 | 15.78                 | 15.89                 | 15.75                 |                              | 0        |
|                                 | 36      | 37        | 16.05                 | 15.87                 | 15.83                 | 15.68                 | 15.68                 |                              | 0        |
|                                 | 75      | 0         | 16.08                 | 15.96                 | 15.77                 | 15.85                 | 15.76                 |                              | 0        |
| 64QAM                           | 1       | 0         | 15.99                 | 15.83                 | 15.48                 | 15.75                 | 15.51                 | 0-2                          | 0        |
|                                 | 1       | 36        | 16.06                 | 16.00                 | 15.64                 | 15.86                 | 15.82                 |                              | 0        |
|                                 | 1       | 74        | 16.05                 | 15.81                 | 15.78                 | 15.48                 | 15.40                 |                              | 0        |
|                                 | 36      | 0         | 16.12                 | 15.87                 | 15.68                 | 15.88                 | 15.74                 | 0-3                          | 0        |
|                                 | 36      | 18        | 16.11                 | 15.98                 | 15.78                 | 15.88                 | 15.76                 |                              | 0        |
|                                 | 36      | 37        | 16.05                 | 15.85                 | 15.83                 | 15.69                 | 15.68                 |                              | 0        |
|                                 | 75      | 0         | 16.06                 | 15.97                 | 15.78                 | 15.83                 | 15.74                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 193 of 297                 |

**Table 8-295**  
**LTE Band 41 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         | 16.20                 | 16.00                 | 15.82                 | 16.01                 | 15.84                 | 0                            | 0        |   |
|                                 | 1       | 25        | 16.17                 | 16.03                 | 15.84                 | 15.89                 | 15.79                 |                              | 0-1      | 0 |
|                                 | 1       | 49        | 16.21                 | 15.96                 | 16.00                 | 15.81                 | 15.77                 |                              |          | 0 |
|                                 | 25      | 0         | 16.04                 | 15.97                 | 15.76                 | 15.85                 | 15.70                 | 0                            |          |   |
|                                 | 25      | 12        | 16.09                 | 15.94                 | 15.74                 | 15.80                 | 15.72                 | 0                            |          |   |
|                                 | 25      | 25        | 16.11                 | 15.95                 | 15.85                 | 15.69                 | 15.69                 |                              | 0        |   |
|                                 | 50      | 0         | 16.11                 | 15.97                 | 15.78                 | 15.83                 | 15.74                 |                              | 0        |   |
| 16QAM                           | 1       | 0         | 16.37                 | 16.05                 | 15.79                 | 16.17                 | 15.92                 | 0-1                          | 0        |   |
|                                 | 1       | 25        | 16.37                 | 16.03                 | 16.04                 | 16.20                 | 15.97                 |                              | 0-2      | 0 |
|                                 | 1       | 49        | 16.34                 | 16.06                 | 16.17                 | 16.00                 | 16.07                 |                              |          | 0 |
|                                 | 25      | 0         | 16.04                 | 15.94                 | 15.76                 | 15.86                 | 15.68                 | 0                            |          |   |
|                                 | 25      | 12        | 16.07                 | 15.95                 | 15.76                 | 15.80                 | 15.73                 |                              |          | 0 |
|                                 | 25      | 25        | 16.06                 | 15.93                 | 15.83                 | 15.70                 | 15.68                 |                              | 0        |   |
|                                 | 50      | 0         | 16.05                 | 15.94                 | 15.76                 | 15.82                 | 15.74                 | 0                            |          |   |
| 64QAM                           | 1       | 0         | 16.06                 | 15.87                 | 15.70                 | 15.62                 | 15.75                 | 0-2                          | 0        |   |
|                                 | 1       | 25        | 15.92                 | 15.93                 | 15.64                 | 15.43                 | 15.70                 |                              | 0-3      | 0 |
|                                 | 1       | 49        | 15.95                 | 15.86                 | 15.81                 | 15.40                 | 15.76                 |                              |          | 0 |
|                                 | 25      | 0         | 16.03                 | 16.00                 | 15.78                 | 15.88                 | 15.74                 | 0                            |          |   |
|                                 | 25      | 12        | 16.07                 | 15.98                 | 15.75                 | 15.81                 | 15.74                 | 0                            |          |   |
|                                 | 25      | 25        | 16.07                 | 15.96                 | 15.86                 | 15.71                 | 15.67                 |                              | 0        |   |
|                                 | 50      | 0         | 16.06                 | 15.94                 | 15.80                 | 15.85                 | 15.70                 |                              | 0        |   |

**Table 8-296**  
**LTE Band 41 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                 | 16.04                 | 15.82                 | 15.93                 | 15.78                 | 0                            | 0        |   |
|                                | 1       | 12        | 16.16                 | 16.03                 | 15.80                 | 15.88                 | 15.81                 |                              | 0-1      | 0 |
|                                | 1       | 24        | 16.18                 | 16.03                 | 15.89                 | 15.78                 | 15.77                 |                              |          | 0 |
|                                | 12      | 0         | 16.02                 | 15.93                 | 15.73                 | 15.81                 | 15.71                 | 0                            |          |   |
|                                | 12      | 6         | 16.05                 | 15.92                 | 15.70                 | 15.79                 | 15.70                 | 0                            |          | 0 |
|                                | 12      | 13        | 16.02                 | 15.93                 | 15.79                 | 15.78                 | 15.73                 |                              | 0        |   |
|                                | 25      | 0         | 16.08                 | 15.93                 | 15.74                 | 15.80                 | 15.72                 |                              | 0        |   |
| 16QAM                          | 1       | 0         | 15.92                 | 16.10                 | 15.81                 | 15.97                 | 15.82                 | 0-1                          | 0        |   |
|                                | 1       | 12        | 16.07                 | 16.01                 | 15.73                 | 16.06                 | 15.84                 |                              | 0-2      | 0 |
|                                | 1       | 24        | 16.05                 | 16.06                 | 15.85                 | 15.94                 | 15.67                 |                              |          | 0 |
|                                | 12      | 0         | 16.00                 | 15.94                 | 15.71                 | 15.83                 | 15.66                 | 0                            |          |   |
|                                | 12      | 6         | 16.04                 | 15.96                 | 15.72                 | 15.78                 | 15.69                 | 0                            |          | 0 |
|                                | 12      | 13        | 16.04                 | 15.95                 | 15.76                 | 15.79                 | 15.71                 |                              | 0        |   |
|                                | 25      | 0         | 16.09                 | 15.93                 | 15.74                 | 15.80                 | 15.71                 |                              | 0        |   |
| 64QAM                          | 1       | 0         | 16.09                 | 15.86                 | 15.73                 | 15.90                 | 15.87                 | 0-2                          | 0        |   |
|                                | 1       | 12        | 16.15                 | 15.90                 | 15.79                 | 15.77                 | 15.88                 |                              | 0-3      | 0 |
|                                | 1       | 24        | 16.32                 | 15.93                 | 15.97                 | 15.63                 | 15.85                 |                              |          | 0 |
|                                | 12      | 0         | 16.01                 | 15.94                 | 15.71                 | 15.79                 | 15.69                 | 0                            |          |   |
|                                | 12      | 6         | 16.02                 | 15.96                 | 15.73                 | 15.82                 | 15.69                 | 0                            |          | 0 |
|                                | 12      | 13        | 15.94                 | 15.92                 | 15.76                 | 15.75                 | 15.67                 |                              | 0        |   |
|                                | 25      | 0         | 16.10                 | 15.91                 | 15.76                 | 15.79                 | 15.72                 |                              | 0        |   |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 194 of 297                 |

**Table 8-297**  
**LTE Band 41 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         | 13.07                 | 12.90                 | 12.86                 | 12.91                 | 12.93                 | 0                            | 0        |
|                                 | 1       | 50        | 13.15                 | 12.91                 | 12.87                 | 12.84                 | 12.98                 |                              | 0        |
|                                 | 1       | 99        | 13.16                 | 12.90                 | 12.89                 | 12.80                 | 12.91                 |                              | 0        |
|                                 | 50      | 0         | 13.06                 | 12.80                 | 12.80                 | 12.83                 | 12.96                 | 0-1                          | 0        |
|                                 | 50      | 25        | 13.15                 | 12.80                 | 12.84                 | 12.81                 | 12.95                 |                              | 0        |
|                                 | 50      | 50        | 13.16                 | 12.80                 | 12.85                 | 12.80                 | 12.91                 |                              | 0        |
|                                 | 100     | 0         | 13.12                 | 12.80                 | 12.80                 | 12.81                 | 12.91                 |                              | 0        |
| 16QAM                           | 1       | 0         | 13.38                 | 12.97                 | 12.80                 | 13.22                 | 13.06                 | 0-1                          | 0        |
|                                 | 1       | 50        | 13.32                 | 12.98                 | 12.89                 | 13.10                 | 13.14                 |                              | 0        |
|                                 | 1       | 99        | 13.38                 | 13.02                 | 12.96                 | 12.90                 | 13.02                 |                              | 0        |
|                                 | 50      | 0         | 13.17                 | 12.85                 | 12.80                 | 12.88                 | 13.07                 | 0-2                          | 0        |
|                                 | 50      | 25        | 13.18                 | 12.88                 | 12.82                 | 12.89                 | 13.00                 |                              | 0        |
|                                 | 50      | 50        | 13.21                 | 12.84                 | 12.90                 | 12.81                 | 13.01                 |                              | 0        |
|                                 | 100     | 0         | 13.17                 | 12.87                 | 12.86                 | 12.90                 | 13.00                 |                              | 0        |
| 64QAM                           | 1       | 0         | 13.15                 | 12.91                 | 12.87                 | 13.13                 | 13.06                 | 0-2                          | 0        |
|                                 | 1       | 50        | 13.21                 | 12.93                 | 12.80                 | 13.07                 | 13.09                 |                              | 0        |
|                                 | 1       | 99        | 13.22                 | 12.91                 | 12.90                 | 12.90                 | 12.99                 |                              | 0        |
|                                 | 50      | 0         | 13.17                 | 12.84                 | 12.82                 | 12.94                 | 13.03                 | 0-3                          | 0        |
|                                 | 50      | 25        | 13.18                 | 12.86                 | 12.82                 | 12.99                 | 13.05                 |                              | 0        |
|                                 | 50      | 50        | 13.20                 | 12.82                 | 12.92                 | 12.84                 | 13.02                 |                              | 0        |
|                                 | 100     | 0         | 13.20                 | 12.86                 | 12.88                 | 12.88                 | 13.00                 |                              | 0        |

**Table 8-298**  
**LTE Band 41 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         | 12.96                 | 13.00                 | 13.00                 | 13.03                 | 12.95                 | 0                            | 0        |
|                                 | 1       | 36        | 13.24                 | 13.10                 | 13.14                 | 12.97                 | 13.07                 |                              | 0        |
|                                 | 1       | 74        | 13.16                 | 13.02                 | 13.19                 | 12.88                 | 13.06                 |                              | 0        |
|                                 | 36      | 0         | 13.03                 | 12.94                 | 12.97                 | 12.93                 | 12.98                 | 0-1                          | 0        |
|                                 | 36      | 18        | 13.11                 | 12.99                 | 13.07                 | 12.89                 | 13.00                 |                              | 0        |
|                                 | 36      | 37        | 13.06                 | 12.96                 | 13.16                 | 12.80                 | 13.00                 |                              | 0        |
|                                 | 75      | 0         | 13.12                 | 13.00                 | 13.06                 | 12.87                 | 12.97                 |                              | 0        |
| 16QAM                           | 1       | 0         | 13.01                 | 13.09                 | 13.19                 | 13.16                 | 13.08                 | 0-1                          | 0        |
|                                 | 1       | 36        | 13.24                 | 13.22                 | 13.37                 | 13.07                 | 13.22                 |                              | 0        |
|                                 | 1       | 74        | 13.29                 | 13.24                 | 13.40                 | 12.94                 | 13.28                 |                              | 0        |
|                                 | 36      | 0         | 13.02                 | 12.94                 | 13.00                 | 12.91                 | 12.98                 | 0-2                          | 0        |
|                                 | 36      | 18        | 13.09                 | 13.01                 | 13.09                 | 12.91                 | 12.96                 |                              | 0        |
|                                 | 36      | 37        | 13.14                 | 12.96                 | 13.13                 | 12.80                 | 13.00                 |                              | 0        |
|                                 | 75      | 0         | 13.10                 | 13.00                 | 13.07                 | 12.89                 | 12.97                 |                              | 0        |
| 64QAM                           | 1       | 0         | 12.94                 | 12.91                 | 12.91                 | 12.89                 | 12.84                 | 0-2                          | 0        |
|                                 | 1       | 36        | 13.10                 | 12.93                 | 13.16                 | 12.80                 | 12.97                 |                              | 0        |
|                                 | 1       | 74        | 12.85                 | 12.96                 | 13.02                 | 12.81                 | 12.88                 |                              | 0        |
|                                 | 36      | 0         | 12.99                 | 12.91                 | 13.01                 | 12.90                 | 12.96                 | 0-3                          | 0        |
|                                 | 36      | 18        | 13.13                 | 12.99                 | 13.09                 | 12.87                 | 12.98                 |                              | 0        |
|                                 | 36      | 37        | 13.06                 | 12.96                 | 13.13                 | 12.81                 | 13.00                 |                              | 0        |
|                                 | 75      | 0         | 13.03                 | 12.97                 | 13.05                 | 12.86                 | 12.95                 |                              | 0        |

|                                         |                                                                                                                  |                            |  |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  |  | Page 195 of 297                 |

**Table 8-299**  
**LTE Band 41 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         | 13.08                 | 13.03                 | 13.08                 | 13.04                 | 13.04                 | 0                            | 0        |
|                                 | 1       | 25        | 13.17                 | 13.05                 | 13.12                 | 12.93                 | 13.00                 |                              | 0        |
|                                 | 1       | 49        | 13.21                 | 13.05                 | 13.20                 | 12.88                 | 13.06                 |                              | 0        |
|                                 | 25      | 0         | 13.04                 | 12.99                 | 12.99                 | 12.91                 | 12.90                 | 0-1                          | 0        |
|                                 | 25      | 12        | 13.11                 | 12.98                 | 13.06                 | 12.84                 | 12.94                 |                              | 0        |
|                                 | 25      | 25        | 13.13                 | 12.96                 | 13.05                 | 12.81                 | 12.97                 |                              | 0        |
|                                 | 50      | 0         | 13.12                 | 13.00                 | 13.04                 | 12.86                 | 12.96                 |                              | 0        |
| 16QAM                           | 1       | 0         | 13.29                 | 13.22                 | 13.18                 | 13.17                 | 13.16                 | 0-1                          | 0        |
|                                 | 1       | 25        | 13.21                 | 13.09                 | 13.19                 | 13.13                 | 13.26                 |                              | 0        |
|                                 | 1       | 49        | 13.31                 | 13.19                 | 13.37                 | 12.94                 | 13.21                 |                              | 0        |
|                                 | 25      | 0         | 13.03                 | 12.98                 | 12.96                 | 12.87                 | 12.90                 | 0-2                          | 0        |
|                                 | 25      | 12        | 13.08                 | 12.95                 | 13.05                 | 12.86                 | 12.95                 |                              | 0        |
|                                 | 25      | 25        | 13.12                 | 12.95                 | 13.07                 | 12.82                 | 13.00                 |                              | 0        |
|                                 | 50      | 0         | 13.12                 | 12.98                 | 13.06                 | 12.87                 | 12.97                 |                              | 0        |
| 64QAM                           | 1       | 0         | 12.95                 | 12.87                 | 12.93                 | 12.81                 | 12.89                 | 0-2                          | 0        |
|                                 | 1       | 25        | 13.10                 | 12.97                 | 12.89                 | 12.86                 | 12.90                 |                              | 0        |
|                                 | 1       | 49        | 12.87                 | 12.85                 | 12.98                 | 12.86                 | 13.00                 |                              | 0        |
|                                 | 25      | 0         | 13.09                 | 12.97                 | 12.99                 | 12.93                 | 12.96                 | 0-3                          | 0        |
|                                 | 25      | 12        | 13.13                 | 13.00                 | 13.03                 | 12.85                 | 12.94                 |                              | 0        |
|                                 | 25      | 25        | 13.15                 | 12.99                 | 13.08                 | 12.82                 | 12.94                 |                              | 0        |
|                                 | 50      | 0         | 13.13                 | 13.02                 | 13.11                 | 12.89                 | 12.96                 |                              | 0        |

**Table 8-300**  
**LTE Band 41 Conducted Powers Ant 2b - 5 MHz Bandwidth**

| LTE Band 41     |         |           |                       |                       |                       |                       |                       |                           |          |
|-----------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------------|----------|
| 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         | 13.10                 | 13.05                 | 13.02                 | 12.96                 | 13.00                 | 0                         | 0        |
|                 | 1       | 12        | 13.15                 | 13.02                 | 13.06                 | 12.93                 | 12.98                 |                           | 0        |
|                 | 1       | 24        | 13.20                 | 13.03                 | 13.08                 | 12.86                 | 13.07                 |                           | 0        |
|                 | 12      | 0         | 13.06                 | 12.95                 | 12.93                 | 12.87                 | 12.89                 | 0-1                       | 0        |
|                 | 12      | 6         | 13.06                 | 12.95                 | 12.98                 | 12.81                 | 12.92                 |                           | 0        |
|                 | 12      | 13        | 13.08                 | 12.96                 | 13.00                 | 12.83                 | 12.91                 |                           | 0        |
|                 | 25      | 0         | 13.07                 | 12.94                 | 13.00                 | 12.85                 | 12.94                 |                           | 0        |
| 16QAM           | 1       | 0         | 13.01                 | 13.15                 | 13.02                 | 13.12                 | 12.84                 | 0-1                       | 0        |
|                 | 1       | 12        | 13.06                 | 12.99                 | 13.03                 | 12.91                 | 13.00                 |                           | 0        |
|                 | 1       | 24        | 13.23                 | 12.93                 | 13.10                 | 12.81                 | 12.96                 |                           | 0        |
|                 | 12      | 0         | 13.08                 | 12.94                 | 12.88                 | 12.90                 | 12.89                 | 0-2                       | 0        |
|                 | 12      | 6         | 13.07                 | 12.96                 | 13.01                 | 12.92                 | 12.92                 |                           | 0        |
|                 | 12      | 13        | 13.08                 | 12.95                 | 12.99                 | 12.80                 | 12.92                 |                           | 0        |
|                 | 25      | 0         | 13.11                 | 12.97                 | 12.97                 | 12.86                 | 12.95                 |                           | 0        |
| 64QAM           | 1       | 0         | 13.22                 | 12.92                 | 12.87                 | 12.89                 | 13.11                 | 0-2                       | 0        |
|                 | 1       | 12        | 12.94                 | 13.13                 | 13.06                 | 12.93                 | 12.89                 |                           | 0        |
|                 | 1       | 24        | 13.22                 | 12.92                 | 12.90                 | 12.94                 | 13.20                 |                           | 0        |
|                 | 12      | 0         | 13.04                 | 12.97                 | 12.88                 | 12.81                 | 12.84                 | 0-3                       | 0        |
|                 | 12      | 6         | 13.14                 | 12.91                 | 12.98                 | 12.83                 | 12.95                 |                           | 0        |
|                 | 12      | 13        | 13.04                 | 12.97                 | 12.92                 | 12.85                 | 12.90                 |                           | 0        |
|                 | 25      | 0         | 13.07                 | 12.99                 | 12.98                 | 12.89                 | 12.93                 |                           | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 196 of 297                        |

**Table 8-301**  
**LTE Band 41 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         | 16.90                 | 16.86                 | 16.60                 | 16.77                 | 16.31                 | 0                            | 0        |
|                                 | 1       | 50        | 16.81                 | 16.80                 | 16.73                 | 16.66                 | 16.34                 |                              | 0        |
|                                 | 1       | 99        | 16.89                 | 16.77                 | 16.89                 | 16.55                 | 16.41                 |                              | 0        |
|                                 | 50      | 0         | 16.89                 | 16.88                 | 16.66                 | 16.67                 | 16.25                 | 0-1                          | 0        |
|                                 | 50      | 25        | 16.77                 | 16.77                 | 16.68                 | 16.62                 | 16.32                 |                              | 0        |
|                                 | 50      | 50        | 16.82                 | 16.72                 | 16.76                 | 16.51                 | 16.34                 |                              | 0        |
|                                 | 100     | 0         | 16.78                 | 16.76                 | 16.74                 | 16.58                 | 16.34                 |                              | 0        |
| 16QAM                           | 1       | 0         | 16.89                 | 16.90                 | 16.42                 | 16.61                 | 16.14                 | 0-1                          | 0        |
|                                 | 1       | 50        | 16.68                 | 16.71                 | 16.54                 | 16.55                 | 16.21                 |                              | 0        |
|                                 | 1       | 99        | 16.81                 | 16.68                 | 16.72                 | 16.43                 | 16.25                 |                              | 0        |
|                                 | 50      | 0         | 16.58                 | 16.63                 | 16.35                 | 16.40                 | 15.98                 | 0-2                          | 0        |
|                                 | 50      | 25        | 16.46                 | 16.51                 | 16.36                 | 16.37                 | 16.01                 |                              | 0        |
|                                 | 50      | 50        | 16.54                 | 16.49                 | 16.44                 | 16.25                 | 16.03                 |                              | 0        |
|                                 | 100     | 0         | 16.48                 | 16.55                 | 16.37                 | 16.35                 | 16.00                 |                              | 0        |
| 64QAM                           | 1       | 0         | 16.44                 | 16.58                 | 16.26                 | 16.41                 | 16.04                 | 0-2                          | 0        |
|                                 | 1       | 50        | 16.47                 | 16.45                 | 16.25                 | 16.36                 | 15.97                 |                              | 0        |
|                                 | 1       | 99        | 16.49                 | 16.42                 | 16.27                 | 16.18                 | 16.02                 |                              | 0        |
|                                 | 50      | 0         | 16.45                 | 16.49                 | 16.22                 | 16.33                 | 15.90                 | 0-3                          | 0        |
|                                 | 50      | 25        | 16.41                 | 16.42                 | 16.18                 | 16.29                 | 15.93                 |                              | 0        |
|                                 | 50      | 50        | 16.44                 | 16.40                 | 16.17                 | 16.18                 | 15.95                 |                              | 0        |
|                                 | 100     | 0         | 16.43                 | 16.43                 | 16.20                 | 16.31                 | 15.94                 |                              | 0        |

**Table 8-302**  
**LTE Band 41 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         | 16.70                 | 16.75                 | 16.39                 | 16.62                 | 16.14                 | 0                            | 0        |
|                                 | 1       | 36        | 16.68                 | 16.67                 | 16.49                 | 16.53                 | 16.20                 |                              | 0        |
|                                 | 1       | 74        | 16.70                 | 16.54                 | 16.64                 | 16.39                 | 16.28                 |                              | 0        |
|                                 | 36      | 0         | 16.60                 | 16.68                 | 16.39                 | 16.53                 | 16.07                 | 0-1                          | 0        |
|                                 | 36      | 18        | 16.60                 | 16.68                 | 16.47                 | 16.50                 | 16.16                 |                              | 0        |
|                                 | 36      | 37        | 16.61                 | 16.54                 | 16.51                 | 16.35                 | 16.20                 |                              | 0        |
|                                 | 75      | 0         | 16.61                 | 16.61                 | 16.47                 | 16.47                 | 16.16                 |                              | 0        |
| 16QAM                           | 1       | 0         | 16.88                 | 16.88                 | 16.50                 | 16.73                 | 16.27                 | 0-1                          | 0        |
|                                 | 1       | 36        | 16.67                 | 16.81                 | 16.73                 | 16.77                 | 16.36                 |                              | 0        |
|                                 | 1       | 74        | 16.86                 | 16.65                 | 16.82                 | 16.36                 | 16.45                 |                              | 0        |
|                                 | 36      | 0         | 16.62                 | 16.70                 | 16.39                 | 16.56                 | 16.03                 | 0-2                          | 0        |
|                                 | 36      | 18        | 16.55                 | 16.66                 | 16.47                 | 16.45                 | 16.20                 |                              | 0        |
|                                 | 36      | 37        | 16.63                 | 16.58                 | 16.52                 | 16.32                 | 16.17                 |                              | 0        |
|                                 | 75      | 0         | 16.59                 | 16.61                 | 16.47                 | 16.51                 | 16.17                 |                              | 0        |
| 64QAM                           | 1       | 0         | 16.84                 | 16.77                 | 16.37                 | 16.58                 | 16.11                 | 0-2                          | 0        |
|                                 | 1       | 36        | 16.63                 | 16.66                 | 16.49                 | 16.52                 | 16.18                 |                              | 0        |
|                                 | 1       | 74        | 16.76                 | 16.63                 | 16.67                 | 16.40                 | 16.22                 |                              | 0        |
|                                 | 36      | 0         | 16.53                 | 16.58                 | 16.30                 | 16.36                 | 15.94                 | 0-3                          | 0        |
|                                 | 36      | 18        | 16.43                 | 16.48                 | 16.33                 | 16.33                 | 15.97                 |                              | 0        |
|                                 | 36      | 37        | 16.51                 | 16.46                 | 16.41                 | 16.21                 | 15.99                 |                              | 0        |
|                                 | 75      | 0         | 16.45                 | 16.52                 | 16.34                 | 16.31                 | 15.96                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 197 of 297                        |

**Table 8-303**  
**LTE Band 41 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                 | 16.86                 | 16.51                 | 16.64                 | 16.22                 | 0                            | 0        |   |
|                                 | 1       | 25        | 16.68                 | 16.68                 | 16.54                 | 16.54                 | 16.24                 |                              | 0-1      | 0 |
|                                 | 1       | 49        | 16.73                 | 16.68                 | 16.65                 | 16.49                 | 16.32                 |                              |          | 0 |
|                                 | 25      | 0         | 16.64                 | 16.67                 | 16.44                 | 16.51                 | 16.18                 | 0                            |          |   |
|                                 | 25      | 12        | 16.60                 | 16.64                 | 16.47                 | 16.50                 | 16.17                 | 0-1                          |          | 0 |
|                                 | 25      | 25        | 16.62                 | 16.61                 | 16.49                 | 16.44                 | 16.20                 |                              | 0        |   |
|                                 | 50      | 0         | 16.59                 | 16.64                 | 16.49                 | 16.51                 | 16.19                 |                              | 0        |   |
| 16QAM                           | 1       | 0         | 16.88                 | 16.87                 | 16.75                 | 16.74                 | 16.32                 | 0-1                          | 0        |   |
|                                 | 1       | 25        | 16.75                 | 16.88                 | 16.68                 | 16.75                 | 16.36                 |                              | 0-2      | 0 |
|                                 | 1       | 49        | 16.80                 | 16.79                 | 16.78                 | 16.53                 | 16.52                 |                              |          | 0 |
|                                 | 25      | 0         | 16.54                 | 16.67                 | 16.38                 | 16.47                 | 16.18                 | 0-2                          |          | 0 |
|                                 | 25      | 12        | 16.52                 | 16.60                 | 16.49                 | 16.46                 | 16.11                 |                              |          | 0 |
|                                 | 25      | 25        | 16.61                 | 16.62                 | 16.48                 | 16.36                 | 16.18                 |                              | 0        |   |
|                                 | 50      | 0         | 16.55                 | 16.59                 | 16.48                 | 16.48                 | 16.16                 |                              | 0        |   |
| 64QAM                           | 1       | 0         | 16.83                 | 16.76                 | 16.58                 | 16.30                 | 16.52                 | 0-2                          | 0        |   |
|                                 | 1       | 25        | 16.62                 | 16.65                 | 16.46                 | 16.31                 | 16.40                 |                              | 0-3      | 0 |
|                                 | 1       | 49        | 16.71                 | 16.60                 | 16.44                 | 16.39                 | 16.44                 |                              |          | 0 |
|                                 | 25      | 0         | 16.84                 | 16.48                 | 16.50                 | 16.32                 | 16.35                 | 0                            |          |   |
|                                 | 25      | 12        | 16.61                 | 16.46                 | 16.46                 | 16.27                 | 16.38                 | 0-3                          |          | 0 |
|                                 | 25      | 25        | 16.49                 | 16.52                 | 16.39                 | 16.37                 | 16.18                 |                              | 0        |   |
|                                 | 50      | 0         | 16.47                 | 16.52                 | 16.37                 | 16.38                 | 16.22                 |                              | 0        |   |

**Table 8-304**  
**LTE Band 41 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         | 16.71                 | 16.74                 | 16.47                 | 16.58                 | 16.24                 | 0                            | 0        |
|                                | 1       | 12        | 16.66                 | 16.70                 | 16.49                 | 16.55                 | 16.22                 |                              | 0        |
|                                | 1       | 24        | 16.73                 | 16.71                 | 16.55                 | 16.52                 | 16.29                 |                              | 0        |
|                                | 12      | 0         | 16.55                 | 16.67                 | 16.34                 | 16.49                 | 16.13                 | 0-1                          | 0        |
|                                | 12      | 6         | 16.58                 | 16.59                 | 16.41                 | 16.44                 | 16.13                 |                              | 0        |
|                                | 12      | 13        | 16.61                 | 16.60                 | 16.39                 | 16.44                 | 16.14                 |                              | 0        |
|                                | 25      | 0         | 16.62                 | 16.62                 | 16.39                 | 16.48                 | 16.14                 |                              | 0        |
| 16QAM                          | 1       | 0         | 16.65                 | 16.83                 | 16.40                 | 16.44                 | 16.16                 | 0-1                          | 0        |
|                                | 1       | 12        | 16.74                 | 16.63                 | 16.53                 | 16.48                 | 16.08                 |                              | 0        |
|                                | 1       | 24        | 16.74                 | 16.79                 | 16.61                 | 16.55                 | 16.22                 |                              | 0        |
|                                | 12      | 0         | 16.61                 | 16.67                 | 16.35                 | 16.49                 | 16.13                 | 0-2                          | 0        |
|                                | 12      | 6         | 16.54                 | 16.61                 | 16.46                 | 16.45                 | 16.14                 |                              | 0        |
|                                | 12      | 13        | 16.61                 | 16.61                 | 16.43                 | 16.47                 | 16.15                 |                              | 0        |
|                                | 25      | 0         | 16.61                 | 16.64                 | 16.39                 | 16.43                 | 16.15                 |                              | 0        |
| 64QAM                          | 1       | 0         | 16.60                 | 16.78                 | 16.35                 | 16.41                 | 16.13                 | 0-2                          | 0        |
|                                | 1       | 12        | 16.69                 | 16.58                 | 16.48                 | 16.45                 | 16.05                 |                              | 0        |
|                                | 1       | 24        | 16.69                 | 16.74                 | 16.56                 | 16.52                 | 16.19                 |                              | 0        |
|                                | 12      | 0         | 16.56                 | 16.62                 | 16.30                 | 16.45                 | 16.09                 | 0-3                          | 0        |
|                                | 12      | 6         | 16.51                 | 16.58                 | 16.43                 | 16.41                 | 16.10                 |                              | 0        |
|                                | 12      | 13        | 16.58                 | 16.58                 | 16.40                 | 16.43                 | 16.11                 |                              | 0        |
|                                | 25      | 0         | 16.58                 | 16.61                 | 16.36                 | 16.39                 | 16.11                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 198 of 297                        |

**Table 8-305**  
**LTE Band 41 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         | 14.80                 | 14.71                 | 14.56                 | 14.67                 | 14.69                 | 0                            | 0        |   |
|                                 | 1       | 50        | 14.75                 | 14.55                 | 14.61                 | 14.61                 | 14.73                 |                              | 0-1      | 0 |
|                                 | 1       | 99        | 14.79                 | 14.53                 | 14.78                 | 14.58                 | 14.72                 |                              |          | 0 |
|                                 | 50      | 0         | 14.79                 | 14.61                 | 14.58                 | 14.59                 | 14.61                 | 0                            |          |   |
|                                 | 50      | 25        | 14.72                 | 14.50                 | 14.57                 | 14.57                 | 14.67                 | 0                            |          |   |
|                                 | 50      | 50        | 14.73                 | 14.51                 | 14.64                 | 14.47                 | 14.68                 |                              | 0        |   |
|                                 | 100     | 0         | 14.70                 | 14.51                 | 14.62                 | 14.58                 | 14.69                 |                              | 0        |   |
| 16QAM                           | 1       | 0         | 14.78                 | 14.57                 | 14.57                 | 14.62                 | 14.67                 | 0-1                          | 0        |   |
|                                 | 1       | 50        | 14.62                 | 14.45                 | 14.61                 | 14.57                 | 14.66                 |                              | 0-2      | 0 |
|                                 | 1       | 99        | 14.73                 | 14.43                 | 14.80                 | 14.56                 | 14.69                 |                              |          | 0 |
|                                 | 50      | 0         | 14.53                 | 14.37                 | 14.47                 | 14.43                 | 14.47                 | 0                            |          |   |
|                                 | 50      | 25        | 14.45                 | 14.28                 | 14.49                 | 14.40                 | 14.50                 | 0                            |          |   |
|                                 | 50      | 50        | 14.42                 | 14.26                 | 14.54                 | 14.26                 | 14.46                 |                              | 0        |   |
|                                 | 100     | 0         | 14.43                 | 14.28                 | 14.52                 | 14.40                 | 14.48                 |                              | 0        |   |
| 64QAM                           | 1       | 0         | 14.34                 | 14.31                 | 14.36                 | 14.61                 | 14.56                 | 0-2                          | 0        |   |
|                                 | 1       | 50        | 14.28                 | 14.29                 | 14.25                 | 14.60                 | 14.51                 |                              | 0-3      | 0 |
|                                 | 1       | 99        | 14.35                 | 14.22                 | 14.44                 | 14.58                 | 14.49                 |                              |          | 0 |
|                                 | 50      | 0         | 14.21                 | 14.51                 | 14.51                 | 14.51                 | 14.55                 | 0                            |          |   |
|                                 | 50      | 25        | 14.26                 | 14.56                 | 14.56                 | 14.68                 | 14.51                 | 0                            |          |   |
|                                 | 50      | 50        | 14.19                 | 14.58                 | 14.49                 | 14.52                 | 14.41                 |                              | 0        |   |
|                                 | 100     | 0         | 14.28                 | 14.51                 | 14.47                 | 14.41                 | 14.39                 |                              | 0        |   |

**Table 8-306**  
**LTE Band 41 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         | 14.35                 | 14.30                 | 14.20                 | 14.23                 | 14.36                 | 0                            | 0        |
|                                 | 1       | 36        | 14.24                 | 14.24                 | 14.25                 | 14.25                 | 14.32                 |                              | 0        |
|                                 | 1       | 74        | 14.28                 | 14.17                 | 14.33                 | 14.20                 | 14.32                 |                              | 0        |
|                                 | 36      | 0         | 14.25                 | 14.24                 | 14.25                 | 14.20                 | 14.38                 | 0-1                          | 0        |
|                                 | 36      | 18        | 14.24                 | 14.19                 | 14.24                 | 14.23                 | 14.37                 |                              | 0        |
|                                 | 36      | 37        | 14.25                 | 14.14                 | 14.23                 | 14.18                 | 14.37                 |                              | 0        |
|                                 | 75      | 0         | 14.25                 | 14.15                 | 14.26                 | 14.24                 | 14.40                 |                              | 0        |
| 16QAM                           | 1       | 0         | 14.15                 | 14.51                 | 14.04                 | 14.20                 | 14.29                 | 0-1                          | 0        |
|                                 | 1       | 36        | 14.03                 | 14.39                 | 14.10                 | 14.30                 | 14.36                 |                              | 0        |
|                                 | 1       | 74        | 14.20                 | 14.22                 | 14.15                 | 14.21                 | 14.26                 |                              | 0        |
|                                 | 36      | 0         | 14.26                 | 14.22                 | 14.28                 | 14.20                 | 14.41                 | 0-2                          | 0        |
|                                 | 36      | 18        | 14.20                 | 14.14                 | 14.28                 | 14.24                 | 14.38                 |                              | 0        |
|                                 | 36      | 37        | 14.23                 | 14.15                 | 14.22                 | 14.19                 | 14.33                 |                              | 0        |
|                                 | 75      | 0         | 14.25                 | 14.16                 | 14.26                 | 14.22                 | 14.39                 |                              | 0        |
| 64QAM                           | 1       | 0         | 14.19                 | 14.49                 | 14.09                 | 14.19                 | 14.22                 | 0-2                          | 0        |
|                                 | 1       | 36        | 14.21                 | 14.44                 | 14.15                 | 14.21                 | 14.29                 |                              | 0        |
|                                 | 1       | 74        | 14.25                 | 14.38                 | 14.17                 | 14.29                 | 14.31                 |                              | 0        |
|                                 | 36      | 0         | 14.18                 | 14.29                 | 14.21                 | 14.18                 | 14.41                 | 0-3                          | 0        |
|                                 | 36      | 18        | 14.26                 | 14.27                 | 14.19                 | 14.26                 | 14.29                 |                              | 0        |
|                                 | 36      | 37        | 14.28                 | 14.35                 | 14.26                 | 14.21                 | 14.33                 |                              | 0        |
|                                 | 75      | 0         | 14.21                 | 14.31                 | 14.25                 | 14.25                 | 14.35                 |                              | 0        |

|                                         |                                                                                                                  |                            |  |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  |  | Page 199 of 297                 |

**Table 8-307**  
**LTE Band 41 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         | 14.46                 | 14.33                 | 14.37                 | 14.29                 | 14.47                 | 0                            | 0        |
|                                 | 1       | 25        | 14.39                 | 14.26                 | 14.36                 | 14.27                 | 14.51                 |                              | 0        |
|                                 | 1       | 49        | 14.43                 | 14.32                 | 14.44                 | 14.21                 | 14.51                 |                              | 0        |
|                                 | 25      | 0         | 14.28                 | 14.19                 | 14.24                 | 14.23                 | 14.40                 | 0-1                          | 0        |
|                                 | 25      | 12        | 14.24                 | 14.20                 | 14.30                 | 14.22                 | 14.37                 |                              | 0        |
|                                 | 25      | 25        | 14.26                 | 14.19                 | 14.29                 | 14.18                 | 14.35                 |                              | 0        |
|                                 | 50      | 0         | 14.24                 | 14.19                 | 14.23                 | 14.22                 | 14.39                 |                              | 0        |
| 16QAM                           | 1       | 0         | 14.26                 | 14.42                 | 14.11                 | 14.31                 | 14.45                 | 0-1                          | 0        |
|                                 | 1       | 25        | 14.22                 | 14.37                 | 14.11                 | 14.17                 | 14.47                 |                              | 0        |
|                                 | 1       | 49        | 14.20                 | 14.38                 | 14.17                 | 14.14                 | 14.32                 |                              | 0        |
|                                 | 25      | 0         | 14.29                 | 14.18                 | 14.23                 | 14.22                 | 14.36                 | 0-2                          | 0        |
|                                 | 25      | 12        | 14.24                 | 14.14                 | 14.27                 | 14.21                 | 14.32                 |                              | 0        |
|                                 | 25      | 25        | 14.22                 | 14.13                 | 14.28                 | 14.19                 | 14.31                 |                              | 0        |
|                                 | 50      | 0         | 14.25                 | 14.15                 | 14.28                 | 14.22                 | 14.38                 |                              | 0        |
| 64QAM                           | 1       | 0         | 14.22                 | 14.41                 | 14.39                 | 14.31                 | 14.38                 | 0-2                          | 0        |
|                                 | 1       | 25        | 14.26                 | 14.45                 | 14.35                 | 14.28                 | 14.28                 |                              | 0        |
|                                 | 1       | 49        | 14.25                 | 14.39                 | 14.29                 | 14.36                 | 14.16                 |                              | 0        |
|                                 | 25      | 0         | 14.19                 | 14.35                 | 14.39                 | 14.14                 | 14.25                 | 0-3                          | 0        |
|                                 | 25      | 12        | 14.28                 | 14.39                 | 14.34                 | 14.25                 | 14.23                 |                              | 0        |
|                                 | 25      | 25        | 14.13                 | 14.31                 | 14.32                 | 14.26                 | 14.29                 |                              | 0        |
|                                 | 50      | 0         | 14.26                 | 14.28                 | 14.28                 | 14.27                 | 14.21                 |                              | 0        |

**Table 8-308**  
**LTE Band 41 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         | 14.49                 | 14.29                 | 14.38                 | 14.29                 | 14.55                 | 0                            | 0        |   |
|                                | 1       | 12        | 14.47                 | 14.27                 | 14.37                 | 14.26                 | 14.48                 |                              | 0-1      | 0 |
|                                | 1       | 24        | 14.47                 | 14.28                 | 14.41                 | 14.21                 | 14.47                 |                              |          | 0 |
|                                | 12      | 0         | 14.31                 | 14.19                 | 14.25                 | 14.31                 | 14.42                 | 0                            |          |   |
|                                | 12      | 6         | 14.27                 | 14.15                 | 14.28                 | 14.31                 | 14.40                 | 0-1                          |          | 0 |
|                                | 12      | 13        | 14.29                 | 14.17                 | 14.25                 | 14.26                 | 14.34                 |                              | 0        |   |
|                                | 25      | 0         | 14.30                 | 14.19                 | 14.28                 | 14.34                 | 14.38                 |                              | 0        |   |
| 16QAM                          | 1       | 0         | 14.49                 | 14.34                 | 14.35                 | 14.41                 | 14.61                 | 0-1                          | 0        |   |
|                                | 1       | 12        | 14.39                 | 14.37                 | 14.37                 | 14.39                 | 14.52                 |                              | 0-2      | 0 |
|                                | 1       | 24        | 14.39                 | 14.36                 | 14.37                 | 14.27                 | 14.48                 |                              |          | 0 |
|                                | 12      | 0         | 14.23                 | 14.21                 | 14.26                 | 14.37                 | 14.44                 | 0                            |          |   |
|                                | 12      | 6         | 14.26                 | 14.19                 | 14.24                 | 14.32                 | 14.36                 | 0-2                          |          | 0 |
|                                | 12      | 13        | 14.27                 | 14.14                 | 14.27                 | 14.30                 | 14.39                 |                              | 0        |   |
|                                | 25      | 0         | 14.25                 | 14.26                 | 14.28                 | 14.23                 | 14.41                 |                              | 0        |   |
| 64QAM                          | 1       | 0         | 14.26                 | 14.39                 | 14.41                 | 14.32                 | 14.38                 | 0-2                          | 0        |   |
|                                | 1       | 12        | 14.21                 | 14.22                 | 14.36                 | 14.28                 | 14.31                 |                              | 0-3      | 0 |
|                                | 1       | 24        | 14.19                 | 14.26                 | 14.29                 | 14.21                 | 14.44                 |                              |          | 0 |
|                                | 12      | 0         | 14.28                 | 14.28                 | 14.31                 | 14.32                 | 14.29                 | 0                            |          |   |
|                                | 12      | 6         | 14.22                 | 14.11                 | 14.22                 | 14.36                 | 14.27                 | 0-3                          |          | 0 |
|                                | 12      | 13        | 14.31                 | 14.19                 | 14.21                 | 14.30                 | 14.41                 |                              | 0        |   |
|                                | 25      | 0         | 14.36                 | 14.32                 | 14.23                 | 14.29                 | 14.43                 |                              | 0        |   |

|                                                |                                                                                                                  |                                   |  |  |                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------|--|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>SAR EVALUATION REPORT</b> |                                   |  |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                                    | <b>DUT Type:</b><br>Tablet Device |  |  | Page 200 of 297                        |

## 8.3.14

## LTE Band 41 PC2

Table 8-309

## 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         | 16.18                 | 16.35                 | 15.77                 | 16.13                 | 16.07                 | 0                            | 0        |
|                                 | 1       | 50        | 16.40                 | 16.33                 | 15.95                 | 15.98                 | 16.06                 |                              | 0        |
|                                 | 1       | 99        | 16.32                 | 16.32                 | 16.09                 | 15.93                 | 15.98                 |                              | 0        |
|                                 | 50      | 0         | 16.34                 | 16.21                 | 15.91                 | 16.09                 | 15.92                 | 0-1                          | 0        |
|                                 | 50      | 25        | 16.39                 | 16.29                 | 15.93                 | 16.02                 | 15.90                 |                              | 0        |
|                                 | 50      | 50        | 16.37                 | 16.18                 | 16.07                 | 15.93                 | 15.90                 |                              | 0        |
|                                 | 100     | 0         | 16.33                 | 16.26                 | 15.94                 | 15.98                 | 15.88                 |                              | 0        |
| 16QAM                           | 1       | 0         | 16.38                 | 16.40                 | 15.74                 | 16.11                 | 15.78                 | 0-1                          | 0        |
|                                 | 1       | 50        | 16.40                 | 16.38                 | 15.95                 | 16.06                 | 15.88                 |                              | 0        |
|                                 | 1       | 99        | 16.37                 | 16.35                 | 16.13                 | 15.98                 | 15.76                 |                              | 0        |
|                                 | 50      | 0         | 15.77                 | 15.61                 | 15.42                 | 15.60                 | 15.41                 | 0-2                          | 0        |
|                                 | 50      | 25        | 15.83                 | 15.70                 | 15.42                 | 15.48                 | 15.42                 |                              | 0        |
|                                 | 50      | 50        | 15.81                 | 15.60                 | 15.57                 | 15.44                 | 15.43                 |                              | 0        |
|                                 | 100     | 0         | 15.78                 | 15.65                 | 15.44                 | 15.47                 | 15.42                 |                              | 0        |
| 64QAM                           | 1       | 0         | 16.40                 | 16.21                 | 15.76                 | 16.27                 | 15.86                 | 0-2                          | 0        |
|                                 | 1       | 50        | 16.40                 | 16.27                 | 16.03                 | 16.16                 | 15.85                 |                              | 0        |
|                                 | 1       | 99        | 16.39                 | 16.23                 | 16.16                 | 15.97                 | 15.79                 |                              | 0        |
|                                 | 50      | 0         | 15.85                 | 15.63                 | 15.41                 | 15.61                 | 15.41                 | 0-3                          | 0        |
|                                 | 50      | 25        | 15.85                 | 15.70                 | 15.43                 | 15.51                 | 15.43                 |                              | 0        |
|                                 | 50      | 50        | 15.84                 | 15.56                 | 15.60                 | 15.41                 | 15.42                 |                              | 0        |
|                                 | 100     | 0         | 15.78                 | 15.66                 | 15.44                 | 15.53                 | 15.40                 |                              | 0        |

Table 8-310

## LTE Band 41 PC2 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         | 15.92                 | 15.73                 | 15.40                 | 15.71                 | 15.45                 | 0                            | 0        |
|                                 | 1       | 36        | 15.93                 | 15.82                 | 15.60                 | 15.67                 | 15.57                 |                              | 0        |
|                                 | 1       | 74        | 15.88                 | 15.68                 | 15.74                 | 15.46                 | 15.43                 |                              | 0        |
|                                 | 36      | 0         | 15.82                 | 15.64                 | 15.41                 | 15.60                 | 15.47                 | 0-1                          | 0        |
|                                 | 36      | 18        | 15.83                 | 15.72                 | 15.50                 | 15.57                 | 15.50                 |                              | 0        |
|                                 | 36      | 37        | 15.80                 | 15.61                 | 15.55                 | 15.42                 | 15.45                 |                              | 0        |
|                                 | 75      | 0         | 15.79                 | 15.69                 | 15.49                 | 15.55                 | 15.49                 |                              | 0        |
| 16QAM                           | 1       | 0         | 16.16                 | 16.18                 | 15.97                 | 16.06                 | 15.74                 | 0-1                          | 0        |
|                                 | 1       | 36        | 16.07                 | 16.32                 | 16.12                 | 16.19                 | 15.89                 |                              | 0        |
|                                 | 1       | 74        | 16.13                 | 16.18                 | 16.15                 | 15.95                 | 15.75                 |                              | 0        |
|                                 | 36      | 0         | 15.80                 | 15.64                 | 15.40                 | 15.63                 | 15.47                 | 0-2                          | 0        |
|                                 | 36      | 18        | 15.83                 | 15.72                 | 15.50                 | 15.59                 | 15.52                 |                              | 0        |
|                                 | 36      | 37        | 15.81                 | 15.63                 | 15.55                 | 15.43                 | 15.44                 |                              | 0        |
|                                 | 75      | 0         | 15.81                 | 15.69                 | 15.50                 | 15.55                 | 15.46                 |                              | 0        |
| 64QAM                           | 1       | 0         | 16.24                 | 16.05                 | 15.58                 | 15.89                 | 15.84                 | 0-2                          | 0        |
|                                 | 1       | 36        | 16.30                 | 15.89                 | 15.93                 | 15.99                 | 15.88                 |                              | 0        |
|                                 | 1       | 74        | 16.19                 | 15.96                 | 16.06                 | 15.78                 | 15.66                 |                              | 0        |
|                                 | 36      | 0         | 15.80                 | 15.64                 | 15.41                 | 15.62                 | 15.43                 | 0-3                          | 0        |
|                                 | 36      | 18        | 15.81                 | 15.74                 | 15.51                 | 15.58                 | 15.49                 |                              | 0        |
|                                 | 36      | 37        | 15.76                 | 15.62                 | 15.54                 | 15.44                 | 15.44                 |                              | 0        |
|                                 | 75      | 0         | 15.78                 | 15.70                 | 15.47                 | 15.55                 | 15.49                 |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 201 of 297                 |

**Table 8-311**  
**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         | 15.91                 | 15.80                 | 15.58                 | 15.72                 | 15.64                 | 0                            | 0        |   |
|                                 | 1       | 25        | 15.89                 | 15.80                 | 15.64                 | 15.62                 | 15.61                 |                              | 0-1      | 0 |
|                                 | 1       | 49        | 15.91                 | 15.75                 | 15.79                 | 15.54                 | 15.60                 |                              |          | 0 |
|                                 | 25      | 0         | 15.80                 | 15.72                 | 15.55                 | 15.62                 | 15.47                 | 0                            |          |   |
|                                 | 25      | 12        | 15.84                 | 15.71                 | 15.52                 | 15.58                 | 15.49                 | 0                            |          |   |
|                                 | 25      | 25        | 15.85                 | 15.71                 | 15.62                 | 15.48                 | 15.46                 |                              | 0        |   |
|                                 | 50      | 0         | 15.85                 | 15.73                 | 15.55                 | 15.59                 | 15.49                 |                              | 0        |   |
| 16QAM                           | 1       | 0         | 16.23                 | 16.37                 | 15.93                 | 16.14                 | 15.97                 | 0-1                          | 0        |   |
|                                 | 1       | 25        | 16.28                 | 16.30                 | 15.96                 | 15.97                 | 16.06                 |                              | 0-2      | 0 |
|                                 | 1       | 49        | 16.32                 | 16.23                 | 16.23                 | 15.90                 | 15.98                 |                              |          | 0 |
|                                 | 25      | 0         | 15.77                 | 15.71                 | 15.54                 | 15.65                 | 15.44                 | 0                            |          |   |
|                                 | 25      | 12        | 15.82                 | 15.70                 | 15.54                 | 15.58                 | 15.44                 |                              |          | 0 |
|                                 | 25      | 25        | 15.81                 | 15.72                 | 15.62                 | 15.50                 | 15.43                 |                              | 0        |   |
|                                 | 50      | 0         | 15.80                 | 15.73                 | 15.55                 | 15.58                 | 15.46                 |                              | 0        |   |
| 64QAM                           | 1       | 0         | 16.08                 | 16.13                 | 15.91                 | 15.93                 | 15.89                 | 0-2                          | 0        |   |
|                                 | 1       | 25        | 16.18                 | 16.20                 | 15.95                 | 15.95                 | 15.78                 |                              | 0-3      | 0 |
|                                 | 1       | 49        | 16.20                 | 16.12                 | 16.01                 | 15.84                 | 15.77                 |                              |          | 0 |
|                                 | 25      | 0         | 15.76                 | 15.75                 | 15.57                 | 15.62                 | 15.43                 | 0                            |          |   |
|                                 | 25      | 12        | 15.82                 | 15.74                 | 15.54                 | 15.58                 | 15.49                 | 0                            |          | 0 |
|                                 | 25      | 25        | 15.82                 | 15.76                 | 15.60                 | 15.47                 | 15.45                 |                              | 0        |   |
|                                 | 50      | 0         | 15.84                 | 15.71                 | 15.52                 | 15.60                 | 15.48                 |                              | 0        |   |

**Table 8-312**  
**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         | 15.88                 | 15.75                 | 15.62                 | 15.63                 | 15.52                 | 0                            | 0        |   |
|                                | 1       | 12        | 15.89                 | 15.71                 | 15.58                 | 15.57                 | 15.57                 |                              | 0-1      | 0 |
|                                | 1       | 24        | 15.90                 | 15.76                 | 15.68                 | 15.47                 | 15.55                 |                              |          | 0 |
|                                | 12      | 0         | 15.78                 | 15.68                 | 15.55                 | 15.54                 | 15.49                 | 0                            |          |   |
|                                | 12      | 6         | 15.82                 | 15.68                 | 15.54                 | 15.50                 | 15.48                 | 0                            |          | 0 |
|                                | 12      | 13        | 15.79                 | 15.67                 | 15.62                 | 15.46                 | 15.45                 |                              | 0        |   |
|                                | 25      | 0         | 15.79                 | 15.68                 | 15.48                 | 15.48                 | 15.46                 |                              | 0        |   |
| 16QAM                          | 1       | 0         | 16.30                 | 15.99                 | 15.98                 | 16.02                 | 15.97                 | 0-1                          | 0        |   |
|                                | 1       | 12        | 16.12                 | 16.04                 | 15.92                 | 15.91                 | 15.95                 |                              | 0-2      | 0 |
|                                | 1       | 24        | 16.26                 | 16.20                 | 16.03                 | 15.84                 | 15.82                 |                              |          | 0 |
|                                | 12      | 0         | 15.79                 | 15.65                 | 15.49                 | 15.51                 | 15.46                 | 0                            |          |   |
|                                | 12      | 6         | 15.78                 | 15.69                 | 15.51                 | 15.50                 | 15.50                 | 0                            |          | 0 |
|                                | 12      | 13        | 15.73                 | 15.68                 | 15.56                 | 15.48                 | 15.48                 |                              | 0        |   |
|                                | 25      | 0         | 15.77                 | 15.70                 | 15.43                 | 15.46                 | 15.42                 |                              | 0        |   |
| 64QAM                          | 1       | 0         | 16.28                 | 16.15                 | 15.88                 | 16.05                 | 15.84                 | 0-2                          | 0        |   |
|                                | 1       | 12        | 16.31                 | 16.14                 | 16.09                 | 15.92                 | 15.91                 |                              | 0-3      | 0 |
|                                | 1       | 24        | 16.25                 | 16.17                 | 15.97                 | 15.78                 | 15.95                 |                              |          | 0 |
|                                | 12      | 0         | 15.69                 | 15.69                 | 15.58                 | 15.49                 | 15.50                 | 0                            |          |   |
|                                | 12      | 6         | 15.83                 | 15.67                 | 15.48                 | 15.44                 | 15.51                 | 0                            |          | 0 |
|                                | 12      | 13        | 15.72                 | 15.65                 | 15.60                 | 15.44                 | 15.51                 |                              | 0        |   |
|                                | 25      | 0         | 15.78                 | 15.69                 | 15.48                 | 15.51                 | 15.47                 |                              | 0        |   |

|                                         |                                                                                                                  |                            |  |  |                                        |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|--|----------------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  |  | <b>Approved by:</b><br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  |  | Page 202 of 297                        |

**Table 8-313**  
**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         | 13.02                 | 12.83                 | 12.80                 | 12.93                 | 12.92                 | 0                            | 0        |
|                                 | 1       | 50        | 13.09                 | 12.84                 | 12.87                 | 12.81                 | 12.95                 |                              | 0        |
|                                 | 1       | 99        | 13.13                 | 12.83                 | 12.97                 | 12.83                 | 12.84                 |                              | 0        |
|                                 | 50      | 0         | 13.03                 | 12.80                 | 12.81                 | 12.85                 | 12.97                 | 0-1                          | 0        |
|                                 | 50      | 25        | 13.13                 | 12.81                 | 12.82                 | 12.82                 | 12.94                 |                              | 0        |
|                                 | 50      | 50        | 13.10                 | 12.81                 | 12.88                 | 12.81                 | 12.96                 |                              | 0        |
|                                 | 100     | 0         | 13.08                 | 12.80                 | 12.80                 | 12.80                 | 12.93                 |                              | 0        |
| 16QAM                           | 1       | 0         | 13.04                 | 12.99                 | 12.80                 | 12.96                 | 13.10                 | 0-1                          | 0        |
|                                 | 1       | 50        | 13.18                 | 13.06                 | 12.87                 | 12.80                 | 13.20                 |                              | 0        |
|                                 | 1       | 99        | 13.15                 | 12.96                 | 12.90                 | 12.80                 | 13.00                 |                              | 0        |
|                                 | 50      | 0         | 13.01                 | 12.80                 | 12.80                 | 12.84                 | 12.95                 | 0-2                          | 0        |
|                                 | 50      | 25        | 13.08                 | 12.82                 | 12.86                 | 12.84                 | 12.94                 |                              | 0        |
|                                 | 50      | 50        | 13.06                 | 12.81                 | 12.84                 | 12.80                 | 12.91                 |                              | 0        |
|                                 | 100     | 0         | 13.07                 | 12.81                 | 12.80                 | 12.80                 | 12.91                 |                              | 0        |
| 64QAM                           | 1       | 0         | 13.03                 | 12.80                 | 12.82                 | 12.96                 | 12.87                 | 0-2                          | 0        |
|                                 | 1       | 50        | 13.15                 | 12.83                 | 12.85                 | 12.81                 | 12.90                 |                              | 0        |
|                                 | 1       | 99        | 13.10                 | 12.80                 | 12.96                 | 12.89                 | 13.00                 |                              | 0        |
|                                 | 50      | 0         | 13.05                 | 12.80                 | 12.80                 | 12.85                 | 12.97                 | 0-3                          | 0        |
|                                 | 50      | 25        | 13.12                 | 12.83                 | 12.85                 | 12.82                 | 12.96                 |                              | 0        |
|                                 | 50      | 50        | 13.14                 | 12.81                 | 12.85                 | 12.81                 | 12.96                 |                              | 0        |
|                                 | 100     | 0         | 13.11                 | 12.82                 | 12.86                 | 12.80                 | 12.94                 |                              | 0        |

**Table 8-314**  
**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         | 12.99                 | 12.92                 | 12.91                 | 13.00                 | 12.88                 | 0                            | 0        |
|                                 | 1       | 36        | 13.31                 | 13.07                 | 13.10                 | 12.94                 | 12.99                 |                              | 0        |
|                                 | 1       | 74        | 13.24                 | 12.97                 | 13.17                 | 12.81                 | 12.99                 |                              | 0        |
|                                 | 36      | 0         | 13.10                 | 12.90                 | 12.94                 | 12.90                 | 12.88                 | 0-1                          | 0        |
|                                 | 36      | 18        | 13.18                 | 12.98                 | 13.03                 | 12.85                 | 12.87                 |                              | 0        |
|                                 | 36      | 37        | 13.17                 | 12.92                 | 13.06                 | 12.82                 | 12.87                 |                              | 0        |
|                                 | 75      | 0         | 13.15                 | 12.95                 | 13.00                 | 12.84                 | 12.86                 |                              | 0        |
| 16QAM                           | 1       | 0         | 13.21                 | 13.32                 | 13.18                 | 13.38                 | 13.33                 | 0-1                          | 0        |
|                                 | 1       | 36        | 13.37                 | 13.49                 | 13.28                 | 13.27                 | 13.50                 |                              | 0        |
|                                 | 1       | 74        | 13.43                 | 13.39                 | 13.27                 | 13.19                 | 13.39                 |                              | 0        |
|                                 | 36      | 0         | 13.03                 | 12.88                 | 12.96                 | 12.89                 | 12.89                 | 0-2                          | 0        |
|                                 | 36      | 18        | 13.17                 | 12.96                 | 13.01                 | 12.86                 | 12.89                 |                              | 0        |
|                                 | 36      | 37        | 13.16                 | 12.90                 | 13.08                 | 12.83                 | 12.89                 |                              | 0        |
|                                 | 75      | 0         | 13.14                 | 12.91                 | 13.01                 | 12.85                 | 12.87                 |                              | 0        |
| 64QAM                           | 1       | 0         | 13.30                 | 13.03                 | 13.12                 | 13.24                 | 13.13                 | 0-2                          | 0        |
|                                 | 1       | 36        | 13.60                 | 13.27                 | 13.28                 | 13.24                 | 13.21                 |                              | 0        |
|                                 | 1       | 74        | 13.49                 | 13.18                 | 13.38                 | 12.91                 | 13.11                 |                              | 0        |
|                                 | 36      | 0         | 13.04                 | 12.85                 | 12.91                 | 12.88                 | 12.89                 | 0-3                          | 0        |
|                                 | 36      | 18        | 13.13                 | 12.92                 | 13.05                 | 12.87                 | 12.88                 |                              | 0        |
|                                 | 36      | 37        | 13.11                 | 12.88                 | 13.03                 | 12.81                 | 12.89                 |                              | 0        |
|                                 | 75      | 0         | 13.13                 | 12.89                 | 13.01                 | 12.83                 | 12.88                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 203 of 297                        |

**Table 8-315**  
**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         | 13.03                 | 12.97                 | 13.00                 | 13.01                 | 12.96                 | 0                            | 0        |   |
|                                 | 1       | 25        | 13.19                 | 12.97                 | 13.07                 | 12.88                 | 12.97                 |                              | 0-1      | 0 |
|                                 | 1       | 49        | 13.25                 | 13.00                 | 13.13                 | 12.82                 | 13.03                 |                              |          | 0 |
|                                 | 25      | 0         | 13.08                 | 12.93                 | 12.91                 | 12.86                 | 12.83                 | 0                            |          |   |
|                                 | 25      | 12        | 13.16                 | 12.94                 | 12.96                 | 12.81                 | 12.85                 | 0-1                          |          | 0 |
|                                 | 25      | 25        | 13.18                 | 12.93                 | 12.96                 | 12.81                 | 12.88                 |                              | 0        |   |
|                                 | 50      | 0         | 13.17                 | 12.92                 | 12.99                 | 12.83                 | 12.87                 |                              | 0        |   |
| 16QAM                           | 1       | 0         | 13.46                 | 13.41                 | 13.19                 | 13.40                 | 13.38                 | 0-1                          | 0        |   |
|                                 | 1       | 25        | 13.59                 | 13.49                 | 13.19                 | 13.23                 | 13.40                 |                              | 0-2      | 0 |
|                                 | 1       | 49        | 13.61                 | 13.41                 | 13.31                 | 13.23                 | 13.40                 |                              |          | 0 |
|                                 | 25      | 0         | 13.10                 | 12.94                 | 12.93                 | 12.88                 | 12.87                 | 0-2                          |          | 0 |
|                                 | 25      | 12        | 13.15                 | 12.96                 | 12.97                 | 12.83                 | 12.88                 |                              |          | 0 |
|                                 | 25      | 25        | 13.13                 | 12.93                 | 13.00                 | 12.83                 | 12.88                 |                              | 0        |   |
|                                 | 50      | 0         | 13.20                 | 12.97                 | 12.97                 | 12.85                 | 12.90                 | 0                            |          |   |
| 64QAM                           | 1       | 0         | 13.51                 | 13.19                 | 13.20                 | 13.27                 | 13.35                 | 0-2                          | 0        |   |
|                                 | 1       | 25        | 13.61                 | 13.28                 | 13.30                 | 13.21                 | 12.93                 |                              | 0-3      | 0 |
|                                 | 1       | 49        | 13.50                 | 13.21                 | 13.28                 | 13.01                 | 13.13                 |                              |          | 0 |
|                                 | 25      | 0         | 13.11                 | 12.94                 | 12.90                 | 12.90                 | 12.87                 | 0                            |          |   |
|                                 | 25      | 12        | 13.14                 | 12.96                 | 12.99                 | 12.82                 | 12.87                 | 0-3                          |          | 0 |
|                                 | 25      | 25        | 13.15                 | 12.93                 | 12.98                 | 12.82                 | 12.90                 |                              | 0        |   |
|                                 | 50      | 0         | 13.18                 | 12.96                 | 13.00                 | 12.81                 | 12.87                 |                              | 0        |   |

**Table 8-316**  
**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         | 13.12                 | 12.90                 | 12.98                 | 12.83                 | 12.80                 | 0                            | 0        |
|                                | 1       | 12        | 13.17                 | 12.85                 | 13.04                 | 12.83                 | 12.80                 |                              | 0        |
|                                | 1       | 24        | 13.20                 | 12.88                 | 13.04                 | 12.84                 | 12.82                 |                              | 0        |
|                                | 12      | 0         | 13.12                 | 12.89                 | 12.95                 | 12.82                 | 12.82                 | 0-1                          | 0        |
|                                | 12      | 6         | 13.11                 | 12.88                 | 13.00                 | 12.82                 | 12.81                 |                              | 0        |
|                                | 12      | 13        | 13.14                 | 12.88                 | 13.00                 | 12.83                 | 12.85                 |                              | 0        |
|                                | 25      | 0         | 13.14                 | 12.88                 | 13.02                 | 12.81                 | 12.84                 |                              | 0        |
| 16QAM                          | 1       | 0         | 13.45                 | 13.41                 | 13.25                 | 13.34                 | 13.28                 | 0-1                          | 0        |
|                                | 1       | 12        | 13.47                 | 13.31                 | 13.31                 | 13.20                 | 13.30                 |                              | 0        |
|                                | 1       | 24        | 13.45                 | 13.37                 | 13.28                 | 13.19                 | 13.32                 |                              | 0        |
|                                | 12      | 0         | 13.14                 | 12.91                 | 12.97                 | 12.88                 | 12.85                 | 0-2                          | 0        |
|                                | 12      | 6         | 13.15                 | 12.91                 | 13.00                 | 12.83                 | 12.84                 |                              | 0        |
|                                | 12      | 13        | 13.10                 | 12.90                 | 13.06                 | 12.83                 | 12.89                 |                              | 0        |
|                                | 25      | 0         | 13.10                 | 12.90                 | 12.98                 | 12.82                 | 12.85                 |                              | 0        |
| 64QAM                          | 1       | 0         | 13.42                 | 13.24                 | 13.25                 | 13.32                 | 13.22                 | 0-2                          | 0        |
|                                | 1       | 12        | 13.49                 | 13.11                 | 13.23                 | 13.21                 | 13.21                 |                              | 0        |
|                                | 1       | 24        | 13.50                 | 13.25                 | 13.43                 | 13.37                 | 13.42                 |                              | 0        |
|                                | 12      | 0         | 13.11                 | 12.89                 | 12.92                 | 12.81                 | 12.82                 | 0-3                          | 0        |
|                                | 12      | 6         | 13.23                 | 12.88                 | 13.06                 | 12.83                 | 12.86                 |                              | 0        |
|                                | 12      | 13        | 13.15                 | 12.91                 | 12.98                 | 12.80                 | 12.84                 |                              | 0        |
|                                | 25      | 0         | 13.16                 | 12.90                 | 12.99                 | 12.85                 | 12.89                 |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 204 of 297                 |

**Table 8-317**  
**LTE Band 41 PC2 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         | 16.90                 | 16.85                 | 16.56                 | 16.69                 | 16.32                 | 0                            | 0        |
|                                 | 1       | 50        | 16.76                 | 16.75                 | 16.70                 | 16.57                 | 16.39                 |                              | 0        |
|                                 | 1       | 99        | 16.87                 | 16.70                 | 16.86                 | 16.46                 | 16.51                 |                              | 0        |
|                                 | 50      | 0         | 16.87                 | 16.86                 | 16.67                 | 16.67                 | 16.34                 | 0-1                          | 0        |
|                                 | 50      | 25        | 16.78                 | 16.71                 | 16.71                 | 16.61                 | 16.37                 |                              | 0        |
|                                 | 50      | 50        | 16.83                 | 16.69                 | 16.78                 | 16.47                 | 16.40                 |                              | 0        |
|                                 | 100     | 0         | 16.75                 | 16.75                 | 16.72                 | 16.50                 | 16.37                 |                              | 0        |
| 16QAM                           | 1       | 0         | 16.90                 | 16.90                 | 16.49                 | 16.72                 | 16.17                 | 0-1                          | 0        |
|                                 | 1       | 50        | 16.82                 | 16.85                 | 16.65                 | 16.62                 | 16.23                 |                              | 0        |
|                                 | 1       | 99        | 16.88                 | 16.78                 | 16.82                 | 16.54                 | 16.28                 |                              | 0        |
|                                 | 50      | 0         | 16.27                 | 16.32                 | 16.06                 | 16.09                 | 15.91                 | 0-2                          | 0        |
|                                 | 50      | 25        | 16.17                 | 16.17                 | 16.09                 | 16.05                 | 15.94                 |                              | 0        |
|                                 | 50      | 50        | 16.24                 | 16.26                 | 16.15                 | 15.92                 | 15.96                 |                              | 0        |
|                                 | 100     | 0         | 16.16                 | 16.27                 | 16.11                 | 16.05                 | 15.90                 |                              | 0        |
| 64QAM                           | 1       | 0         | 16.53                 | 16.61                 | 16.32                 | 16.40                 | 16.32                 | 0-2                          | 0        |
|                                 | 1       | 50        | 16.49                 | 16.58                 | 16.26                 | 16.39                 | 16.17                 |                              | 0        |
|                                 | 1       | 99        | 16.59                 | 16.54                 | 16.38                 | 16.29                 | 16.23                 |                              | 0        |
|                                 | 50      | 0         | 16.22                 | 16.24                 | 15.93                 | 16.03                 | 15.90                 | 0-3                          | 0        |
|                                 | 50      | 25        | 16.20                 | 16.20                 | 15.90                 | 15.99                 | 15.91                 |                              | 0        |
|                                 | 50      | 50        | 16.21                 | 16.12                 | 15.91                 | 15.93                 | 15.90                 |                              | 0        |
|                                 | 100     | 0         | 16.19                 | 16.18                 | 15.91                 | 16.01                 | 15.92                 |                              | 0        |

**Table 8-318**  
**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         | 16.56                 | 16.61                 | 16.24                 | 16.43                 | 15.94                 | 0                            | 0        |
|                                 | 1       | 36        | 16.48                 | 16.50                 | 16.34                 | 16.36                 | 16.02                 |                              | 0        |
|                                 | 1       | 74        | 16.50                 | 16.39                 | 16.47                 | 16.23                 | 16.07                 |                              | 0        |
|                                 | 36      | 0         | 16.41                 | 16.52                 | 16.18                 | 16.32                 | 15.91                 | 0-1                          | 0        |
|                                 | 36      | 18        | 16.37                 | 16.47                 | 16.26                 | 16.33                 | 15.96                 |                              | 0        |
|                                 | 36      | 37        | 16.40                 | 16.39                 | 16.31                 | 16.19                 | 15.99                 |                              | 0        |
|                                 | 75      | 0         | 16.38                 | 16.43                 | 16.25                 | 16.28                 | 15.97                 |                              | 0        |
| 16QAM                           | 1       | 0         | 16.68                 | 16.90                 | 16.70                 | 16.90                 | 16.31                 | 0-1                          | 0        |
|                                 | 1       | 36        | 16.70                 | 16.84                 | 16.84                 | 16.78                 | 16.29                 |                              | 0        |
|                                 | 1       | 74        | 16.64                 | 16.80                 | 16.88                 | 16.69                 | 16.34                 |                              | 0        |
|                                 | 36      | 0         | 16.42                 | 16.54                 | 16.16                 | 16.29                 | 15.90                 | 0-2                          | 0        |
|                                 | 36      | 18        | 16.41                 | 16.47                 | 16.24                 | 16.31                 | 15.95                 |                              | 0        |
|                                 | 36      | 37        | 16.44                 | 16.31                 | 16.34                 | 16.17                 | 16.04                 |                              | 0        |
|                                 | 75      | 0         | 16.37                 | 16.39                 | 16.26                 | 16.30                 | 16.04                 |                              | 0        |
| 64QAM                           | 1       | 0         | 16.47                 | 16.55                 | 16.26                 | 16.34                 | 16.26                 | 0-2                          | 0        |
|                                 | 1       | 36        | 16.15                 | 16.17                 | 15.92                 | 15.96                 | 15.93                 |                              | 0        |
|                                 | 1       | 74        | 16.22                 | 16.21                 | 15.94                 | 16.04                 | 15.95                 |                              | 0        |
|                                 | 36      | 0         | 16.48                 | 16.56                 | 16.27                 | 16.35                 | 16.27                 | 0-3                          | 0        |
|                                 | 36      | 18        | 16.50                 | 16.59                 | 16.27                 | 16.40                 | 16.18                 |                              | 0        |
|                                 | 36      | 37        | 16.60                 | 16.55                 | 16.39                 | 16.30                 | 16.24                 |                              | 0        |
|                                 | 75      | 0         | 16.23                 | 16.25                 | 15.94                 | 16.04                 | 15.91                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 205 of 297                 |

**Table 8-319**  
**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         | 16.58                 | 16.61                 | 16.20                 | 16.40                 | 15.97                 | 0                            | 0        |
|                                 | 1       | 25        | 16.43                 | 16.46                 | 16.26                 | 16.31                 | 16.00                 |                              | 0        |
|                                 | 1       | 49        | 16.54                 | 16.47                 | 16.38                 | 16.26                 | 16.07                 |                              | 0        |
|                                 | 25      | 0         | 16.41                 | 16.42                 | 16.17                 | 16.27                 | 15.92                 | 0-1                          | 0        |
|                                 | 25      | 12        | 16.36                 | 16.37                 | 16.19                 | 16.25                 | 15.90                 |                              | 0        |
|                                 | 25      | 25        | 16.41                 | 16.41                 | 16.23                 | 16.15                 | 15.96                 |                              | 0        |
|                                 | 50      | 0         | 16.39                 | 16.41                 | 16.25                 | 16.27                 | 15.97                 |                              | 0        |
| 16QAM                           | 1       | 0         | 16.81                 | 16.88                 | 16.68                 | 16.71                 | 16.41                 | 0-1                          | 0        |
|                                 | 1       | 25        | 16.84                 | 16.87                 | 16.65                 | 16.58                 | 16.44                 |                              | 0        |
|                                 | 1       | 49        | 16.83                 | 16.89                 | 16.69                 | 16.63                 | 16.42                 |                              | 0        |
|                                 | 25      | 0         | 16.37                 | 16.47                 | 16.15                 | 16.28                 | 15.92                 | 0-2                          | 0        |
|                                 | 25      | 12        | 16.33                 | 16.38                 | 16.22                 | 16.26                 | 15.94                 |                              | 0        |
|                                 | 25      | 25        | 16.42                 | 16.43                 | 16.26                 | 16.20                 | 15.95                 |                              | 0        |
|                                 | 50      | 0         | 16.34                 | 16.41                 | 16.24                 | 16.28                 | 15.98                 |                              | 0        |
| 64QAM                           | 1       | 0         | 16.48                 | 16.56                 | 16.27                 | 16.37                 | 16.29                 | 0-2                          | 0        |
|                                 | 1       | 25        | 16.44                 | 16.53                 | 16.21                 | 16.36                 | 16.14                 |                              | 0        |
|                                 | 1       | 49        | 16.54                 | 16.49                 | 16.33                 | 16.26                 | 16.20                 |                              | 0        |
|                                 | 25      | 0         | 16.17                 | 16.19                 | 15.98                 | 15.99                 | 15.94                 | 0-3                          | 0        |
|                                 | 25      | 12        | 16.17                 | 16.17                 | 15.97                 | 15.95                 | 15.97                 |                              | 0        |
|                                 | 25      | 25        | 16.18                 | 16.09                 | 15.98                 | 15.92                 | 15.97                 |                              | 0        |
|                                 | 50      | 0         | 16.16                 | 16.15                 | 15.98                 | 15.97                 | 15.98                 |                              | 0        |

**Table 8-320**  
**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         | 16.46                 | 16.46                 | 16.25                 | 16.31                 | 15.97                 | 0                            | 0        |
|                                | 1       | 12        | 16.36                 | 16.39                 | 16.28                 | 16.26                 | 15.93                 |                              | 0        |
|                                | 1       | 24        | 16.45                 | 16.47                 | 16.34                 | 16.22                 | 16.00                 |                              | 0        |
|                                | 12      | 0         | 16.31                 | 16.43                 | 16.16                 | 16.20                 | 15.90                 | 0-1                          | 0        |
|                                | 12      | 6         | 16.30                 | 16.35                 | 16.23                 | 16.23                 | 15.92                 |                              | 0        |
|                                | 12      | 13        | 16.34                 | 16.39                 | 16.23                 | 16.20                 | 15.92                 |                              | 0        |
|                                | 25      | 0         | 16.33                 | 16.37                 | 16.24                 | 16.24                 | 15.90                 |                              | 0        |
| 16QAM                          | 1       | 0         | 16.81                 | 16.84                 | 16.63                 | 16.63                 | 16.32                 | 0-1                          | 0        |
|                                | 1       | 12        | 16.76                 | 16.75                 | 16.55                 | 16.61                 | 16.26                 |                              | 0        |
|                                | 1       | 24        | 16.87                 | 16.88                 | 16.77                 | 16.52                 | 16.43                 |                              | 0        |
|                                | 12      | 0         | 16.33                 | 16.45                 | 16.20                 | 16.25                 | 15.93                 | 0-2                          | 0        |
|                                | 12      | 6         | 16.35                 | 16.42                 | 16.28                 | 16.25                 | 15.91                 |                              | 0        |
|                                | 12      | 13        | 16.34                 | 16.42                 | 16.23                 | 16.26                 | 15.92                 |                              | 0        |
|                                | 25      | 0         | 16.34                 | 16.42                 | 16.30                 | 16.22                 | 15.92                 |                              | 0        |
| 64QAM                          | 1       | 0         | 16.47                 | 16.55                 | 16.19                 | 15.92                 | 16.41                 | 0-2                          | 0        |
|                                | 1       | 12        | 16.43                 | 16.52                 | 16.15                 | 15.93                 | 16.40                 |                              | 0        |
|                                | 1       | 24        | 16.52                 | 16.21                 | 16.07                 | 15.90                 | 16.30                 |                              | 0        |
|                                | 12      | 0         | 16.62                 | 16.17                 | 16.13                 | 15.98                 | 16.04                 | 0-3                          | 0        |
|                                | 12      | 6         | 16.25                 | 16.09                 | 15.93                 | 15.95                 | 16.00                 |                              | 0        |
|                                | 12      | 13        | 16.23                 | 16.15                 | 15.93                 | 16.03                 | 16.14                 |                              | 0        |
|                                | 25      | 0         | 16.21                 | 16.21                 | 15.91                 | 16.00                 | 16.20                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 206 of 297                        |

**Table 8-321**  
**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         | 14.60                 | 14.61                 | 14.57                 | 14.61                 | 14.64                 | 0                            | 0        |
|                                 | 1       | 50        | 14.62                 | 14.45                 | 14.63                 | 14.51                 | 14.63                 |                              | 0        |
|                                 | 1       | 99        | 14.69                 | 14.42                 | 14.80                 | 14.47                 | 14.66                 |                              | 0        |
|                                 | 50      | 0         | 14.72                 | 14.55                 | 14.54                 | 14.52                 | 14.50                 | 0-1                          | 0        |
|                                 | 50      | 25        | 14.65                 | 14.44                 | 14.58                 | 14.51                 | 14.56                 |                              | 0        |
|                                 | 50      | 50        | 14.64                 | 14.45                 | 14.64                 | 14.39                 | 14.60                 |                              | 0        |
|                                 | 100     | 0         | 14.65                 | 14.47                 | 14.60                 | 14.55                 | 14.65                 |                              | 0        |
| 16QAM                           | 1       | 0         | 14.80                 | 14.57                 | 14.41                 | 14.66                 | 14.44                 | 0-1                          | 0        |
|                                 | 1       | 50        | 14.78                 | 14.34                 | 14.48                 | 14.62                 | 14.52                 |                              | 0        |
|                                 | 1       | 99        | 14.79                 | 14.33                 | 14.61                 | 14.53                 | 14.62                 |                              | 0        |
|                                 | 50      | 0         | 14.28                 | 14.06                 | 14.10                 | 14.06                 | 14.11                 | 0-2                          | 0        |
|                                 | 50      | 25        | 14.16                 | 13.99                 | 14.14                 | 14.02                 | 14.16                 |                              | 0        |
|                                 | 50      | 50        | 14.18                 | 13.99                 | 14.18                 | 13.95                 | 14.16                 |                              | 0        |
|                                 | 100     | 0         | 14.18                 | 14.00                 | 14.16                 | 14.01                 | 14.20                 |                              | 0        |
| 64QAM                           | 1       | 0         | 14.65                 | 14.71                 | 14.56                 | 14.43                 | 14.56                 | 0-2                          | 0        |
|                                 | 1       | 50        | 14.51                 | 14.55                 | 14.57                 | 14.39                 | 14.51                 |                              | 0        |
|                                 | 1       | 99        | 14.56                 | 14.57                 | 14.49                 | 14.51                 | 14.49                 |                              | 0        |
|                                 | 50      | 0         | 14.35                 | 14.43                 | 14.56                 | 14.49                 | 14.38                 | 0-3                          | 0        |
|                                 | 50      | 25        | 14.45                 | 14.39                 | 14.28                 | 14.29                 | 14.51                 |                              | 0        |
|                                 | 50      | 50        | 14.41                 | 14.46                 | 14.61                 | 14.34                 | 14.52                 |                              | 0        |
|                                 | 100     | 0         | 14.26                 | 14.58                 | 14.53                 | 14.45                 | 14.59                 |                              | 0        |

**Table 8-322**  
**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         | 14.64                 | 14.41                 | 14.36                 | 14.38                 | 14.48                 | 0                            | 0        |
|                                 | 1       | 36        | 14.62                 | 14.42                 | 14.46                 | 14.42                 | 14.48                 |                              | 0        |
|                                 | 1       | 74        | 14.64                 | 14.39                 | 14.57                 | 14.44                 | 14.50                 |                              | 0        |
|                                 | 36      | 0         | 14.60                 | 14.37                 | 14.36                 | 14.34                 | 14.41                 | 0-1                          | 0        |
|                                 | 36      | 18        | 14.55                 | 14.35                 | 14.41                 | 14.35                 | 14.41                 |                              | 0        |
|                                 | 36      | 37        | 14.56                 | 14.34                 | 14.46                 | 14.37                 | 14.39                 |                              | 0        |
|                                 | 75      | 0         | 14.54                 | 14.34                 | 14.40                 | 14.36                 | 14.41                 |                              | 0        |
| 16QAM                           | 1       | 0         | 14.80                 | 14.55                 | 14.49                 | 14.54                 | 14.62                 | 0-1                          | 0        |
|                                 | 1       | 36        | 14.76                 | 14.56                 | 14.59                 | 14.56                 | 14.62                 |                              | 0        |
|                                 | 1       | 74        | 14.76                 | 14.51                 | 14.70                 | 14.57                 | 14.64                 |                              | 0        |
|                                 | 36      | 0         | 14.61                 | 14.37                 | 14.38                 | 14.34                 | 14.42                 | 0-2                          | 0        |
|                                 | 36      | 18        | 14.56                 | 14.34                 | 14.41                 | 14.36                 | 14.42                 |                              | 0        |
|                                 | 36      | 37        | 14.56                 | 14.34                 | 14.47                 | 14.37                 | 14.40                 |                              | 0        |
|                                 | 75      | 0         | 14.55                 | 14.32                 | 14.40                 | 14.34                 | 14.40                 |                              | 0        |
| 64QAM                           | 1       | 0         | 14.71                 | 14.65                 | 14.61                 | 14.67                 | 14.74                 | 0-2                          | 0        |
|                                 | 1       | 36        | 14.70                 | 14.63                 | 14.69                 | 14.72                 | 14.72                 |                              | 0        |
|                                 | 1       | 74        | 14.72                 | 14.64                 | 14.71                 | 14.72                 | 14.75                 |                              | 0        |
|                                 | 36      | 0         | 14.59                 | 14.36                 | 14.37                 | 14.35                 | 14.42                 | 0-3                          | 0        |
|                                 | 36      | 18        | 14.55                 | 14.35                 | 14.40                 | 14.36                 | 14.41                 |                              | 0        |
|                                 | 36      | 37        | 14.57                 | 14.34                 | 14.48                 | 14.38                 | 14.40                 |                              | 0        |
|                                 | 75      | 0         | 14.51                 | 14.33                 | 14.39                 | 14.36                 | 14.40                 |                              | 0        |

|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 207 of 297                        |

**Table 8-323**  
**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         | 14.65                 | 14.42                 | 14.41                 | 14.38                 | 14.48                 | 0                            | 0        |   |
|                                 | 1       | 25        | 14.60                 | 14.37                 | 14.40                 | 14.37                 | 14.44                 |                              | 0-1      | 0 |
|                                 | 1       | 49        | 14.63                 | 14.37                 | 14.50                 | 14.41                 | 14.49                 |                              |          | 0 |
|                                 | 25      | 0         | 14.59                 | 14.30                 | 14.32                 | 14.31                 | 14.38                 | 0                            |          |   |
|                                 | 25      | 12        | 14.51                 | 14.30                 | 14.35                 | 14.31                 | 14.37                 | 0                            |          |   |
|                                 | 25      | 25        | 14.55                 | 14.30                 | 14.36                 | 14.33                 | 14.38                 |                              |          |   |
|                                 | 50      | 0         | 14.53                 | 14.31                 | 14.37                 | 14.32                 | 14.39                 |                              |          |   |
| 16QAM                           | 1       | 0         | 14.78                 | 14.79                 | 14.55                 | 14.53                 | 14.62                 | 0-1                          | 0        |   |
|                                 | 1       | 25        | 14.75                 | 14.67                 | 14.54                 | 14.52                 | 14.58                 |                              | 0-2      | 0 |
|                                 | 1       | 49        | 14.78                 | 14.72                 | 14.63                 | 14.56                 | 14.64                 |                              |          | 0 |
|                                 | 25      | 0         | 14.60                 | 14.30                 | 14.34                 | 14.33                 | 14.39                 | 0                            |          |   |
|                                 | 25      | 12        | 14.53                 | 14.30                 | 14.36                 | 14.33                 | 14.38                 |                              |          |   |
|                                 | 25      | 25        | 14.54                 | 14.31                 | 14.35                 | 14.35                 | 14.38                 |                              |          |   |
|                                 | 50      | 0         | 14.52                 | 14.31                 | 14.37                 | 14.32                 | 14.38                 |                              |          |   |
| 64QAM                           | 1       | 0         | 14.74                 | 14.64                 | 14.65                 | 14.70                 | 14.71                 | 0-2                          | 0        |   |
|                                 | 1       | 25        | 14.70                 | 14.58                 | 14.65                 | 14.65                 | 14.69                 |                              | 0-3      | 0 |
|                                 | 1       | 49        | 14.74                 | 14.62                 | 14.73                 | 14.70                 | 14.76                 |                              |          | 0 |
|                                 | 25      | 0         | 14.58                 | 14.28                 | 14.31                 | 14.31                 | 14.37                 | 0                            |          |   |
|                                 | 25      | 12        | 14.51                 | 14.29                 | 14.33                 | 14.32                 | 14.36                 | 0                            |          |   |
|                                 | 25      | 25        | 14.53                 | 14.29                 | 14.34                 | 14.33                 | 14.36                 | 0                            |          |   |
|                                 | 50      | 0         | 14.53                 | 14.30                 | 14.35                 | 14.33                 | 14.38                 | 0                            |          |   |

**Table 8-324**  
**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         | 14.68                 | 14.60                 | 14.50                 | 14.47                 | 14.65                 | 0                            | 0        |
|                                | 1       | 12        | 14.62                 | 14.59                 | 14.48                 | 14.51                 | 14.65                 |                              | 0        |
|                                | 1       | 24        | 14.66                 | 14.61                 | 14.51                 | 14.44                 | 14.60                 |                              | 0        |
|                                | 12      | 0         | 14.56                 | 14.52                 | 14.41                 | 14.45                 | 14.59                 | 0-1                          | 0        |
|                                | 12      | 6         | 14.57                 | 14.52                 | 14.43                 | 14.45                 | 14.58                 |                              | 0        |
|                                | 12      | 13        | 14.57                 | 14.53                 | 14.46                 | 14.45                 | 14.57                 |                              | 0        |
|                                | 25      | 0         | 14.58                 | 14.54                 | 14.46                 | 14.47                 | 14.58                 |                              | 0        |
| 16QAM                          | 1       | 0         | 14.70                 | 14.73                 | 14.70                 | 14.66                 | 14.80                 | 0-1                          | 0        |
|                                | 1       | 12        | 14.72                 | 14.73                 | 14.67                 | 14.67                 | 14.78                 |                              | 0        |
|                                | 1       | 24        | 14.73                 | 14.71                 | 14.67                 | 14.59                 | 14.75                 |                              | 0        |
|                                | 12      | 0         | 14.61                 | 14.45                 | 14.50                 | 14.40                 | 14.55                 | 0-2                          | 0        |
|                                | 12      | 6         | 14.62                 | 14.44                 | 14.46                 | 14.39                 | 14.54                 |                              | 0        |
|                                | 12      | 13        | 14.64                 | 14.42                 | 14.49                 | 14.41                 | 14.52                 |                              | 0        |
|                                | 25      | 0         | 14.58                 | 14.41                 | 14.48                 | 14.38                 | 14.51                 |                              | 0        |
| 64QAM                          | 1       | 0         | 14.79                 | 14.70                 | 14.67                 | 14.70                 | 14.79                 | 0-2                          | 0        |
|                                | 1       | 12        | 14.74                 | 14.71                 | 14.66                 | 14.73                 | 14.79                 |                              | 0        |
|                                | 1       | 24        | 14.77                 | 14.69                 | 14.69                 | 14.76                 | 14.74                 |                              | 0        |
|                                | 12      | 0         | 14.60                 | 14.56                 | 14.49                 | 14.50                 | 14.63                 | 0-3                          | 0        |
|                                | 12      | 6         | 14.61                 | 14.56                 | 14.46                 | 14.49                 | 14.62                 |                              | 0        |
|                                | 12      | 13        | 14.63                 | 14.56                 | 14.50                 | 14.50                 | 14.62                 |                              | 0        |
|                                | 25      | 0         | 14.59                 | 14.53                 | 14.46                 | 14.47                 | 14.59                 |                              | 0        |

|                                                |                                                                                                                  |                                   |  |  |                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------|--|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>SAR EVALUATION REPORT</b> |                                   |  |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                                    | <b>DUT Type:</b><br>Tablet Device |  |  | Page 208 of 297                        |

### 8.3.1

### LTE Band 48

**Table 8-325**  
**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         | 15.46                 | 15.01                 | 15.40                 | 14.94                 | 0                            | 0        |
|                                 | 1       | 50        | 15.04                 | 14.78                 | 15.27                 | 14.68                 |                              | 0        |
|                                 | 1       | 99        | 15.21                 | 15.19                 | 15.39                 | 14.93                 |                              | 0        |
|                                 | 50      | 0         | 15.18                 | 14.96                 | 15.29                 | 14.66                 | 0-1                          | 0        |
|                                 | 50      | 25        | 14.98                 | 14.93                 | 15.12                 | 14.55                 |                              | 0        |
|                                 | 50      | 50        | 15.02                 | 15.01                 | 15.17                 | 14.61                 |                              | 0        |
|                                 | 100     | 0         | 15.06                 | 15.07                 | 15.23                 | 14.64                 |                              | 0        |
| 16QAM                           | 1       | 0         | 15.40                 | 14.90                 | 15.43                 | 14.73                 | 0-1                          | 0        |
|                                 | 1       | 50        | 14.96                 | 14.69                 | 15.00                 | 14.52                 |                              | 0        |
|                                 | 1       | 99        | 15.13                 | 15.07                 | 15.22                 | 14.78                 |                              | 0        |
|                                 | 50      | 0         | 14.92                 | 14.73                 | 14.98                 | 14.56                 | 0-2                          | 0        |
|                                 | 50      | 25        | 14.77                 | 14.73                 | 14.87                 | 14.50                 |                              | 0        |
|                                 | 50      | 50        | 14.76                 | 14.77                 | 14.86                 | 14.52                 |                              | 0        |
|                                 | 100     | 0         | 14.90                 | 14.88                 | 14.99                 | 14.51                 |                              | 0        |
| 64QAM                           | 1       | 0         | 15.30                 | 15.01                 | 15.29                 | 14.60                 | 0-2                          | 0        |
|                                 | 1       | 50        | 14.95                 | 14.77                 | 14.96                 | 14.50                 |                              | 0        |
|                                 | 1       | 99        | 15.05                 | 15.03                 | 15.21                 | 14.57                 |                              | 0        |
|                                 | 50      | 0         | 14.60                 | 14.76                 | 14.98                 | 14.54                 | 0-3                          | 0        |
|                                 | 50      | 25        | 14.50                 | 14.74                 | 14.85                 | 14.52                 |                              | 0        |
|                                 | 50      | 50        | 14.51                 | 14.79                 | 14.86                 | 14.59                 |                              | 0        |
|                                 | 100     | 0         | 14.59                 | 14.87                 | 14.99                 | 14.63                 |                              | 0        |

**Table 8-326**  
**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         | 14.96                 | 14.94                 | 14.95                 | 14.91                 | 0                            | 0        |
|                                 | 1       | 36        | 14.88                 | 14.65                 | 14.90                 | 14.74                 |                              | 0        |
|                                 | 1       | 74        | 15.03                 | 14.77                 | 15.01                 | 14.80                 |                              | 0        |
|                                 | 36      | 0         | 15.11                 | 14.85                 | 15.01                 | 14.90                 | 0-1                          | 0        |
|                                 | 36      | 18        | 15.14                 | 14.78                 | 15.03                 | 14.93                 |                              | 0        |
|                                 | 36      | 37        | 15.22                 | 14.82                 | 15.04                 | 14.92                 |                              | 0        |
|                                 | 75      | 0         | 15.21                 | 14.87                 | 15.08                 | 14.97                 |                              | 0        |
| 16QAM                           | 1       | 0         | 14.82                 | 15.02                 | 15.02                 | 14.79                 | 0-1                          | 0        |
|                                 | 1       | 36        | 14.85                 | 14.92                 | 14.81                 | 14.67                 |                              | 0        |
|                                 | 1       | 74        | 14.95                 | 15.07                 | 15.08                 | 14.67                 |                              | 0        |
|                                 | 36      | 0         | 15.02                 | 14.73                 | 14.93                 | 14.79                 | 0-2                          | 0        |
|                                 | 36      | 18        | 15.02                 | 14.69                 | 14.94                 | 14.84                 |                              | 0        |
|                                 | 36      | 37        | 15.13                 | 14.74                 | 14.96                 | 14.82                 |                              | 0        |
|                                 | 75      | 0         | 15.17                 | 14.81                 | 15.04                 | 14.91                 |                              | 0        |
| 64QAM                           | 1       | 0         | 14.80                 | 15.08                 | 14.96                 | 14.88                 | 0-2                          | 0        |
|                                 | 1       | 36        | 14.90                 | 14.82                 | 14.87                 | 14.65                 |                              | 0        |
|                                 | 1       | 74        | 14.85                 | 15.03                 | 15.09                 | 14.71                 |                              | 0        |
|                                 | 36      | 0         | 15.04                 | 14.74                 | 14.97                 | 14.83                 | 0-3                          | 0        |
|                                 | 36      | 18        | 15.03                 | 14.69                 | 14.90                 | 14.83                 |                              | 0        |
|                                 | 36      | 37        | 15.09                 | 14.75                 | 14.97                 | 14.80                 |                              | 0        |
|                                 | 75      | 0         | 15.16                 | 14.80                 | 15.03                 | 14.91                 |                              | 0        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 209 of 297                 |

**Table 8-327**  
**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         | 15.14                 | 14.89                 | 15.02                 | 15.00                 | 0                            | 0        |
|                                 | 1       | 25        | 14.87                 | 14.58                 | 14.74                 | 14.69                 |                              | 0        |
|                                 | 1       | 49        | 15.28                 | 14.73                 | 15.04                 | 15.01                 |                              | 0        |
|                                 | 25      | 0         | 15.01                 | 14.75                 | 15.01                 | 14.93                 | 0-1                          | 0        |
|                                 | 25      | 12        | 15.03                 | 14.70                 | 14.96                 | 14.85                 |                              | 0        |
|                                 | 25      | 25        | 15.12                 | 14.78                 | 15.04                 | 14.90                 |                              | 0        |
|                                 | 50      | 0         | 15.11                 | 14.82                 | 15.06                 | 14.96                 |                              | 0        |
| 16QAM                           | 1       | 0         | 14.95                 | 15.12                 | 14.94                 | 14.83                 | 0-1                          | 0        |
|                                 | 1       | 25        | 14.74                 | 14.84                 | 14.70                 | 14.56                 |                              | 0        |
|                                 | 1       | 49        | 15.18                 | 15.07                 | 15.07                 | 14.90                 |                              | 0        |
|                                 | 25      | 0         | 14.83                 | 14.68                 | 14.88                 | 14.78                 | 0-2                          | 0        |
|                                 | 25      | 12        | 14.84                 | 14.63                 | 14.81                 | 14.70                 |                              | 0        |
|                                 | 25      | 25        | 14.95                 | 14.70                 | 14.89                 | 14.77                 |                              | 0        |
|                                 | 50      | 0         | 15.04                 | 14.73                 | 15.01                 | 14.89                 |                              | 0        |
| 64QAM                           | 1       | 0         | 14.90                 | 15.05                 | 14.93                 | 14.83                 | 0-2                          | 0        |
|                                 | 1       | 25        | 14.73                 | 14.81                 | 14.67                 | 14.59                 |                              | 0        |
|                                 | 1       | 49        | 15.14                 | 14.95                 | 14.90                 | 14.87                 |                              | 0        |
|                                 | 25      | 0         | 14.81                 | 14.64                 | 14.87                 | 14.77                 | 0-3                          | 0        |
|                                 | 25      | 12        | 14.82                 | 14.59                 | 14.82                 | 14.68                 |                              | 0        |
|                                 | 25      | 25        | 14.95                 | 14.66                 | 14.89                 | 14.76                 |                              | 0        |
|                                 | 50      | 0         | 15.05                 | 14.76                 | 15.02                 | 14.88                 |                              | 0        |

**Table 8-328**  
**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         | 15.18                 | 15.20                 | 15.44                 | 15.11                 | 0                            | 0        |
|                                | 1       | 12        | 15.02                 | 14.92                 | 15.21                 | 14.88                 |                              | 0        |
|                                | 1       | 24        | 15.23                 | 15.23                 | 15.42                 | 15.10                 |                              | 0        |
|                                | 12      | 0         | 15.24                 | 14.91                 | 15.19                 | 15.08                 | 0-1                          | 0        |
|                                | 12      | 6         | 15.08                 | 14.81                 | 15.11                 | 15.01                 |                              | 0        |
|                                | 12      | 13        | 15.25                 | 14.93                 | 15.15                 | 15.10                 |                              | 0        |
|                                | 25      | 0         | 15.23                 | 14.97                 | 15.29                 | 15.17                 |                              | 0        |
| 16QAM                          | 1       | 0         | 15.23                 | 15.09                 | 15.21                 | 15.35                 | 0-1                          | 0        |
|                                | 1       | 12        | 15.08                 | 14.69                 | 14.96                 | 14.76                 |                              | 0        |
|                                | 1       | 24        | 15.37                 | 14.99                 | 15.06                 | 14.84                 |                              | 0        |
|                                | 12      | 0         | 14.86                 | 14.58                 | 15.17                 | 14.80                 | 0-2                          | 0        |
|                                | 12      | 6         | 14.77                 | 14.51                 | 14.85                 | 14.65                 |                              | 0        |
|                                | 12      | 13        | 14.93                 | 14.55                 | 15.05                 | 14.70                 |                              | 0        |
|                                | 25      | 0         | 15.06                 | 14.80                 | 15.15                 | 15.01                 |                              | 0        |
| 64QAM                          | 1       | 0         | 15.36                 | 14.76                 | 15.23                 | 15.19                 | 0-2                          | 0        |
|                                | 1       | 12        | 15.18                 | 14.54                 | 14.88                 | 14.89                 |                              | 0        |
|                                | 1       | 24        | 15.41                 | 14.77                 | 15.15                 | 15.19                 |                              | 0        |
|                                | 12      | 0         | 14.80                 | 14.58                 | 14.96                 | 14.75                 | 0-3                          | 0        |
|                                | 12      | 6         | 14.80                 | 14.60                 | 14.81                 | 14.68                 |                              | 0        |
|                                | 12      | 13        | 14.98                 | 14.64                 | 15.09                 | 14.73                 |                              | 0        |
|                                | 25      | 0         | 15.04                 | 14.86                 | 15.18                 | 15.00                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 210 of 297                 |

**Table 8-329**  
**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         | 17.03                 | 17.16                 | 17.35                 | 17.28                 | 0                            | 0        |
|                                 | 1       | 50        | 16.85                 | 17.05                 | 17.18                 | 17.06                 |                              | 0        |
|                                 | 1       | 99        | 17.02                 | 17.26                 | 17.34                 | 17.25                 |                              | 0        |
|                                 | 50      | 0         | 17.00                 | 17.11                 | 17.21                 | 17.11                 | 0-1                          | 0        |
|                                 | 50      | 25        | 16.91                 | 17.13                 | 17.20                 | 17.06                 |                              | 0        |
|                                 | 50      | 50        | 16.93                 | 17.14                 | 17.22                 | 17.10                 |                              | 0        |
|                                 | 100     | 0         | 17.01                 | 17.19                 | 17.21                 | 17.14                 |                              | 0        |
| 16QAM                           | 1       | 0         | 17.20                 | 17.32                 | 17.42                 | 17.40                 | 0-1                          | 0        |
|                                 | 1       | 50        | 16.89                 | 17.15                 | 17.20                 | 17.15                 |                              | 0        |
|                                 | 1       | 99        | 17.16                 | 17.38                 | 17.32                 | 17.28                 |                              | 0        |
|                                 | 50      | 0         | 16.87                 | 17.06                 | 17.13                 | 17.03                 | 0-2                          | 0        |
|                                 | 50      | 25        | 16.82                 | 17.07                 | 17.10                 | 17.00                 |                              | 0        |
|                                 | 50      | 50        | 16.84                 | 17.10                 | 17.12                 | 17.01                 |                              | 0        |
|                                 | 100     | 0         | 16.95                 | 17.18                 | 17.21                 | 17.10                 |                              | 0        |
| 64QAM                           | 1       | 0         | 17.19                 | 17.23                 | 17.42                 | 17.12                 | 0-2                          | 0        |
|                                 | 1       | 50        | 16.91                 | 17.06                 | 17.21                 | 17.08                 |                              | 0        |
|                                 | 1       | 99        | 17.01                 | 17.44                 | 17.39                 | 17.26                 |                              | 0        |
|                                 | 50      | 0         | 16.78                 | 17.01                 | 17.15                 | 16.85                 | 0-3                          | 0        |
|                                 | 50      | 25        | 16.71                 | 17.03                 | 17.11                 | 16.79                 |                              | 0        |
|                                 | 50      | 50        | 16.74                 | 17.06                 | 17.13                 | 16.83                 |                              | 0        |
|                                 | 100     | 0         | 16.84                 | 17.17                 | 17.25                 | 16.88                 |                              | 0        |

**Table 8-330**  
**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                 | 16.94                 | 16.95                 | 16.91                 | 0                            | 0        |
|                                 | 1       | 36        | 16.88                 | 16.65                 | 16.90                 | 16.74                 |                              | 0        |
|                                 | 1       | 74        | 17.03                 | 16.77                 | 17.01                 | 16.80                 |                              | 0        |
|                                 | 36      | 0         | 17.11                 | 16.85                 | 17.01                 | 16.90                 | 0-1                          | 0        |
|                                 | 36      | 18        | 17.14                 | 16.78                 | 17.03                 | 16.93                 |                              | 0        |
|                                 | 36      | 37        | 17.22                 | 16.82                 | 17.04                 | 16.92                 |                              | 0        |
|                                 | 75      | 0         | 17.21                 | 16.87                 | 17.08                 | 16.97                 |                              | 0        |
| 16QAM                           | 1       | 0         | 16.82                 | 17.02                 | 17.02                 | 16.79                 | 0-1                          | 0        |
|                                 | 1       | 36        | 16.85                 | 16.92                 | 16.81                 | 16.67                 |                              | 0        |
|                                 | 1       | 74        | 16.95                 | 17.07                 | 17.08                 | 16.67                 |                              | 0        |
|                                 | 36      | 0         | 17.02                 | 16.73                 | 16.93                 | 16.79                 | 0-2                          | 0        |
|                                 | 36      | 18        | 17.02                 | 16.69                 | 16.94                 | 16.84                 |                              | 0        |
|                                 | 36      | 37        | 17.13                 | 16.74                 | 16.96                 | 16.82                 |                              | 0        |
|                                 | 75      | 0         | 17.17                 | 16.81                 | 17.04                 | 16.91                 |                              | 0        |
| 64QAM                           | 1       | 0         | 16.80                 | 17.08                 | 16.96                 | 16.88                 | 0-2                          | 0        |
|                                 | 1       | 36        | 16.90                 | 16.82                 | 16.87                 | 16.65                 |                              | 0        |
|                                 | 1       | 74        | 16.85                 | 17.03                 | 17.09                 | 16.71                 |                              | 0        |
|                                 | 36      | 0         | 17.04                 | 16.74                 | 16.97                 | 16.83                 | 0-3                          | 0        |
|                                 | 36      | 18        | 17.03                 | 16.69                 | 16.90                 | 16.83                 |                              | 0        |
|                                 | 36      | 37        | 17.09                 | 16.75                 | 16.97                 | 16.80                 |                              | 0        |
|                                 | 75      | 0         | 17.16                 | 16.80                 | 17.03                 | 16.91                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 211 of 297                 |

**Table 8-331**  
**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         | 17.14                 | 16.89                 | 17.02                 | 17.00                 | 0                            | 0        |
|                                 | 1       | 25        | 16.87                 | 16.58                 | 16.74                 | 16.69                 |                              | 0        |
|                                 | 1       | 49        | 17.28                 | 16.73                 | 17.04                 | 17.01                 |                              | 0        |
|                                 | 25      | 0         | 17.01                 | 16.75                 | 17.01                 | 16.93                 | 0-1                          | 0        |
|                                 | 25      | 12        | 17.03                 | 16.70                 | 16.96                 | 16.85                 |                              | 0        |
|                                 | 25      | 25        | 17.12                 | 16.78                 | 17.04                 | 16.90                 |                              | 0        |
|                                 | 50      | 0         | 17.11                 | 16.82                 | 17.06                 | 16.96                 |                              | 0        |
| 16QAM                           | 1       | 0         | 16.95                 | 17.12                 | 16.94                 | 16.83                 | 0-1                          | 0        |
|                                 | 1       | 25        | 16.74                 | 16.84                 | 16.70                 | 16.56                 |                              | 0        |
|                                 | 1       | 49        | 17.18                 | 17.07                 | 17.07                 | 16.90                 |                              | 0        |
|                                 | 25      | 0         | 16.83                 | 16.68                 | 16.88                 | 16.78                 | 0-2                          | 0        |
|                                 | 25      | 12        | 16.84                 | 16.63                 | 16.81                 | 16.70                 |                              | 0        |
|                                 | 25      | 25        | 16.95                 | 16.70                 | 16.89                 | 16.77                 |                              | 0        |
|                                 | 50      | 0         | 17.04                 | 16.73                 | 17.01                 | 16.89                 |                              | 0        |
| 64QAM                           | 1       | 0         | 16.90                 | 17.05                 | 16.93                 | 16.83                 | 0-2                          | 0        |
|                                 | 1       | 25        | 16.73                 | 16.81                 | 16.67                 | 16.59                 |                              | 0        |
|                                 | 1       | 49        | 17.14                 | 16.95                 | 16.90                 | 16.87                 |                              | 0        |
|                                 | 25      | 0         | 16.81                 | 16.64                 | 16.87                 | 16.77                 | 0-3                          | 0        |
|                                 | 25      | 12        | 16.82                 | 16.59                 | 16.82                 | 16.68                 |                              | 0        |
|                                 | 25      | 25        | 16.95                 | 16.66                 | 16.89                 | 16.76                 |                              | 0        |
|                                 | 50      | 0         | 17.05                 | 16.76                 | 17.02                 | 16.88                 |                              | 0        |

**Table 8-332**  
**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         | 16.98                 | 17.00                 | 17.24                 | 16.91                 | 0                            | 0        |
|                                | 1       | 12        | 16.82                 | 16.72                 | 17.01                 | 16.68                 |                              | 0        |
|                                | 1       | 24        | 17.03                 | 17.03                 | 17.22                 | 16.90                 |                              | 0        |
|                                | 12      | 0         | 17.04                 | 16.71                 | 16.99                 | 16.88                 | 0-1                          | 0        |
|                                | 12      | 6         | 16.88                 | 16.61                 | 16.91                 | 16.81                 |                              | 0        |
|                                | 12      | 13        | 17.05                 | 16.73                 | 16.95                 | 16.90                 |                              | 0        |
|                                | 25      | 0         | 17.03                 | 16.77                 | 17.09                 | 16.97                 |                              | 0        |
| 16QAM                          | 1       | 0         | 17.03                 | 16.89                 | 17.01                 | 17.15                 | 0-1                          | 0        |
|                                | 1       | 12        | 16.88                 | 16.52                 | 16.76                 | 17.10                 |                              | 0        |
|                                | 1       | 24        | 17.17                 | 16.79                 | 16.86                 | 16.64                 |                              | 0        |
|                                | 12      | 0         | 16.66                 | 16.83                 | 16.97                 | 16.60                 | 0-2                          | 0        |
|                                | 12      | 6         | 16.57                 | 16.61                 | 16.65                 | 17.00                 |                              | 0        |
|                                | 12      | 13        | 16.73                 | 16.53                 | 16.85                 | 16.50                 |                              | 0        |
|                                | 25      | 0         | 16.86                 | 16.60                 | 16.95                 | 16.81                 |                              | 0        |
| 64QAM                          | 1       | 0         | 17.16                 | 17.04                 | 17.03                 | 16.99                 | 0-2                          | 0        |
|                                | 1       | 12        | 16.98                 | 16.76                 | 16.68                 | 16.69                 |                              | 0        |
|                                | 1       | 24        | 17.21                 | 17.00                 | 16.95                 | 16.99                 |                              | 0        |
|                                | 12      | 0         | 16.60                 | 16.82                 | 16.76                 | 16.98                 | 0-3                          | 0        |
|                                | 12      | 6         | 16.60                 | 16.71                 | 16.61                 | 16.58                 |                              | 0        |
|                                | 12      | 13        | 16.78                 | 16.83                 | 16.89                 | 16.53                 |                              | 0        |
|                                | 25      | 0         | 16.84                 | 16.90                 | 16.98                 | 16.80                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 212 of 297                 |

**Table 8-333**  
**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         | 14.15                 | 14.35                 | 14.44                 | 14.29                 | 0                            | 0        |
|                                 | 1       | 50        | 14.14                 | 14.20                 | 14.41                 | 14.24                 |                              | 0        |
|                                 | 1       | 99        | 14.17                 | 14.45                 | 14.58                 | 14.33                 |                              | 0        |
|                                 | 50      | 0         | 14.41                 | 14.26                 | 14.46                 | 14.17                 | 0-1                          | 0        |
|                                 | 50      | 25        | 14.44                 | 14.17                 | 14.38                 | 14.21                 |                              | 0        |
|                                 | 50      | 50        | 14.35                 | 14.24                 | 14.39                 | 14.18                 |                              | 0        |
|                                 | 100     | 0         | 14.45                 | 14.25                 | 14.43                 | 14.29                 |                              | 0        |
| 16QAM                           | 1       | 0         | 14.60                 | 14.80                 | 14.74                 | 14.44                 | 0-1                          | 0        |
|                                 | 1       | 50        | 14.60                 | 14.50                 | 14.66                 | 14.40                 |                              | 0        |
|                                 | 1       | 99        | 14.58                 | 14.78                 | 14.80                 | 14.40                 |                              | 0        |
|                                 | 50      | 0         | 14.55                 | 14.38                 | 14.60                 | 14.27                 | 0-2                          | 0        |
|                                 | 50      | 25        | 14.55                 | 14.30                 | 14.54                 | 14.34                 |                              | 0        |
|                                 | 50      | 50        | 14.46                 | 14.36                 | 14.57                 | 14.28                 |                              | 0        |
|                                 | 100     | 0         | 14.68                 | 14.39                 | 14.65                 | 14.42                 |                              | 0        |
| 64QAM                           | 1       | 0         | 14.61                 | 14.63                 | 14.71                 | 14.45                 | 0-2                          | 0        |
|                                 | 1       | 50        | 14.60                 | 14.35                 | 14.68                 | 14.35                 |                              | 0        |
|                                 | 1       | 99        | 14.59                 | 14.69                 | 14.80                 | 14.40                 |                              | 0        |
|                                 | 50      | 0         | 14.55                 | 14.39                 | 14.58                 | 14.27                 | 0-3                          | 0        |
|                                 | 50      | 25        | 14.56                 | 14.30                 | 14.51                 | 14.32                 |                              | 0        |
|                                 | 50      | 50        | 14.49                 | 14.35                 | 14.58                 | 14.29                 |                              | 0        |
|                                 | 100     | 0         | 14.68                 | 14.40                 | 14.65                 | 14.44                 |                              | 0        |

**Table 8-334**  
**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         | 14.30                 | 14.27                 | 14.53                 | 14.39                 | 0                            | 0        |
|                                 | 1       | 36        | 14.29                 | 14.13                 | 14.50                 | 14.38                 |                              | 0        |
|                                 | 1       | 74        | 14.35                 | 14.20                 | 14.39                 | 14.21                 |                              | 0        |
|                                 | 36      | 0         | 14.22                 | 14.24                 | 14.31                 | 14.28                 | 0-1                          | 0        |
|                                 | 36      | 18        | 14.31                 | 14.25                 | 14.33                 | 14.31                 |                              | 0        |
|                                 | 36      | 37        | 14.31                 | 14.24                 | 14.31                 | 14.20                 |                              | 0        |
|                                 | 75      | 0         | 14.38                 | 14.29                 | 14.39                 | 14.38                 |                              | 0        |
| 16QAM                           | 1       | 0         | 13.97                 | 14.45                 | 14.19                 | 14.09                 | 0-1                          | 0        |
|                                 | 1       | 36        | 14.10                 | 14.36                 | 14.23                 | 14.05                 |                              | 0        |
|                                 | 1       | 74        | 14.26                 | 14.45                 | 14.19                 | 14.06                 |                              | 0        |
|                                 | 36      | 0         | 13.97                 | 13.96                 | 13.99                 | 14.01                 | 0-2                          | 0        |
|                                 | 36      | 18        | 14.04                 | 13.95                 | 13.99                 | 14.02                 |                              | 0        |
|                                 | 36      | 37        | 14.03                 | 13.95                 | 13.97                 | 13.91                 |                              | 0        |
|                                 | 75      | 0         | 14.09                 | 14.03                 | 14.10                 | 14.10                 |                              | 0        |
| 64QAM                           | 1       | 0         | 14.72                 | 14.64                 | 14.65                 | 14.78                 | 0-2                          | 0        |
|                                 | 1       | 36        | 14.42                 | 14.46                 | 14.41                 | 14.48                 |                              | 0        |
|                                 | 1       | 74        | 14.34                 | 14.54                 | 14.64                 | 14.63                 |                              | 0        |
|                                 | 36      | 0         | 14.42                 | 14.36                 | 14.38                 | 14.55                 | 0-3                          | 0        |
|                                 | 36      | 18        | 14.42                 | 14.29                 | 14.30                 | 14.45                 |                              | 0        |
|                                 | 36      | 37        | 14.57                 | 14.33                 | 14.35                 | 14.41                 |                              | 0        |
|                                 | 75      | 0         | 14.60                 | 14.48                 | 14.51                 | 14.63                 |                              | 0        |

|                                         |                                                                                                                  |                            |  |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  |  | Page 213 of 297                 |

**Table 8-335**  
**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         | 14.00                 | 14.23                 | 14.25                 | 14.02                 | 0                            | 0        |
|                                 | 1       | 25        | 14.22                 | 14.50                 | 14.47                 | 14.12                 |                              | 0        |
|                                 | 1       | 49        | 14.14                 | 14.22                 | 14.31                 | 14.26                 |                              | 0        |
|                                 | 25      | 0         | 14.08                 | 14.16                 | 14.19                 | 14.10                 | 0-1                          | 0        |
|                                 | 25      | 12        | 14.24                 | 14.21                 | 14.29                 | 14.13                 |                              | 0        |
|                                 | 25      | 25        | 14.25                 | 14.32                 | 14.41                 | 14.28                 |                              | 0        |
|                                 | 50      | 0         | 14.02                 | 14.14                 | 14.30                 | 14.05                 |                              | 0        |
| 16QAM                           | 1       | 0         | 14.35                 | 14.53                 | 14.36                 | 13.86                 | 0-1                          | 0        |
|                                 | 1       | 25        | 14.30                 | 14.31                 | 14.56                 | 13.94                 |                              | 0        |
|                                 | 1       | 49        | 14.21                 | 14.48                 | 14.60                 | 13.82                 |                              | 0        |
|                                 | 25      | 0         | 13.84                 | 13.94                 | 14.01                 | 14.21                 | 0-2                          | 0        |
|                                 | 25      | 12        | 13.84                 | 13.93                 | 14.16                 | 14.23                 |                              | 0        |
|                                 | 25      | 25        | 14.02                 | 14.15                 | 14.34                 | 14.05                 |                              | 0        |
|                                 | 50      | 0         | 14.14                 | 14.40                 | 14.37                 | 14.08                 |                              | 0        |
| 64QAM                           | 1       | 0         | 14.72                 | 14.64                 | 14.65                 | 14.78                 | 0-2                          | 0        |
|                                 | 1       | 25        | 14.42                 | 14.46                 | 14.41                 | 14.48                 |                              | 0        |
|                                 | 1       | 49        | 14.34                 | 14.54                 | 14.64                 | 14.63                 |                              | 0        |
|                                 | 25      | 0         | 14.42                 | 14.36                 | 14.38                 | 14.55                 | 0-3                          | 0        |
|                                 | 25      | 12        | 14.42                 | 14.29                 | 14.30                 | 14.45                 |                              | 0        |
|                                 | 25      | 25        | 14.57                 | 14.33                 | 14.35                 | 14.41                 |                              | 0        |
|                                 | 50      | 0         | 14.60                 | 14.48                 | 14.51                 | 14.63                 |                              | 0        |

**Table 8-336**  
**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         | 14.55                 | 14.37                 | 14.43                 | 14.37                 | 0                            | 0        |
|                                | 1       | 12        | 14.33                 | 14.20                 | 14.23                 | 14.35                 |                              | 0        |
|                                | 1       | 24        | 14.65                 | 14.46                 | 14.48                 | 14.48                 |                              | 0        |
|                                | 12      | 0         | 14.20                 | 14.33                 | 14.40                 | 14.42                 | 0-1                          | 0        |
|                                | 12      | 6         | 14.18                 | 14.23                 | 14.29                 | 14.23                 |                              | 0        |
|                                | 12      | 13        | 14.33                 | 14.31                 | 14.40                 | 14.17                 |                              | 0        |
|                                | 25      | 0         | 14.32                 | 14.32                 | 14.42                 | 14.32                 |                              | 0        |
| 16QAM                          | 1       | 0         | 14.09                 | 14.52                 | 14.41                 | 14.16                 | 0-1                          | 0        |
|                                | 1       | 12        | 13.97                 | 14.29                 | 14.19                 | 14.11                 |                              | 0        |
|                                | 1       | 24        | 14.29                 | 14.48                 | 14.34                 | 14.08                 |                              | 0        |
|                                | 12      | 0         | 13.91                 | 13.97                 | 13.97                 | 14.05                 | 0-2                          | 0        |
|                                | 12      | 6         | 13.89                 | 13.91                 | 13.92                 | 13.88                 |                              | 0        |
|                                | 12      | 13        | 14.04                 | 13.97                 | 13.98                 | 13.91                 |                              | 0        |
|                                | 25      | 0         | 14.07                 | 14.05                 | 14.15                 | 14.05                 |                              | 0        |
| 64QAM                          | 1       | 0         | 14.40                 | 14.44                 | 14.50                 | 14.58                 | 0-2                          | 0        |
|                                | 1       | 12        | 14.26                 | 14.25                 | 14.18                 | 14.37                 |                              | 0        |
|                                | 1       | 24        | 14.54                 | 14.44                 | 14.43                 | 14.46                 |                              | 0        |
|                                | 12      | 0         | 14.30                 | 14.19                 | 14.25                 | 14.26                 | 0-3                          | 0        |
|                                | 12      | 6         | 14.21                 | 14.16                 | 14.17                 | 14.20                 |                              | 0        |
|                                | 12      | 13        | 14.31                 | 14.20                 | 14.25                 | 14.24                 |                              | 0        |
|                                | 25      | 0         | 14.44                 | 14.32                 | 14.37                 | 14.43                 |                              | 0        |

|                                         |                                                                                                   |                              |  |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   |  | Page 214 of 297                 |

**Table 8-337**  
**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         | 16.22                 | 16.20                 | 16.27                 | 16.20                 | 0                            | 0        |
|                                 | 1       | 50        | 16.38                 | 16.08                 | 16.14                 | 15.99                 |                              | 0        |
|                                 | 1       | 99        | 16.28                 | 16.35                 | 16.36                 | 16.30                 |                              | 0        |
|                                 | 50      | 0         | 16.33                 | 16.07                 | 16.21                 | 16.02                 | 0-1                          | 0        |
|                                 | 50      | 25        | 16.31                 | 16.01                 | 16.15                 | 15.97                 |                              | 0        |
|                                 | 50      | 50        | 16.23                 | 16.06                 | 16.20                 | 16.07                 |                              | 0        |
|                                 | 100     | 0         | 16.32                 | 16.10                 | 16.20                 | 16.04                 |                              | 0        |
| 16QAM                           | 1       | 0         | 16.16                 | 15.91                 | 15.87                 | 15.85                 | 0-1                          | 0        |
|                                 | 1       | 50        | 16.16                 | 15.78                 | 15.71                 | 15.74                 |                              | 0        |
|                                 | 1       | 99        | 16.22                 | 16.06                 | 15.87                 | 15.93                 |                              | 0        |
|                                 | 50      | 0         | 15.78                 | 15.51                 | 15.61                 | 15.46                 | 0-2                          | 0        |
|                                 | 50      | 25        | 15.77                 | 15.45                 | 15.62                 | 15.40                 |                              | 0        |
|                                 | 50      | 50        | 15.64                 | 15.55                 | 15.61                 | 15.48                 |                              | 0        |
|                                 | 100     | 0         | 15.86                 | 15.54                 | 15.70                 | 15.47                 |                              | 0        |
| 64QAM                           | 1       | 0         | 16.32                 | 16.25                 | 16.21                 | 16.02                 | 0-2                          | 0        |
|                                 | 1       | 50        | 16.36                 | 15.97                 | 16.03                 | 15.76                 |                              | 0        |
|                                 | 1       | 99        | 16.23                 | 16.22                 | 16.17                 | 16.15                 |                              | 0        |
|                                 | 50      | 0         | 16.03                 | 15.78                 | 15.86                 | 15.71                 | 0-3                          | 0        |
|                                 | 50      | 25        | 16.05                 | 15.70                 | 15.81                 | 15.70                 |                              | 0        |
|                                 | 50      | 50        | 15.93                 | 15.73                 | 15.86                 | 15.75                 |                              | 0        |
|                                 | 100     | 0         | 16.15                 | 15.82                 | 15.93                 | 15.78                 |                              | 0        |

**Table 8-338**  
**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         | 16.16                 | 16.14                 | 16.22                 | 16.15                 | 0                            | 0        |
|                                 | 1       | 36        | 16.32                 | 16.02                 | 16.09                 | 15.94                 |                              | 0        |
|                                 | 1       | 74        | 16.22                 | 16.29                 | 16.31                 | 16.25                 |                              | 0        |
|                                 | 36      | 0         | 16.27                 | 16.01                 | 16.17                 | 15.98                 | 0-1                          | 0        |
|                                 | 36      | 18        | 16.25                 | 15.95                 | 16.11                 | 15.93                 |                              | 0        |
|                                 | 36      | 37        | 16.17                 | 16.00                 | 16.16                 | 16.03                 |                              | 0        |
|                                 | 75      | 0         | 16.26                 | 16.04                 | 16.16                 | 16.00                 |                              | 0        |
| 16QAM                           | 1       | 0         | 16.10                 | 15.85                 | 15.83                 | 15.81                 | 0-1                          | 0        |
|                                 | 1       | 36        | 16.12                 | 15.74                 | 15.67                 | 15.70                 |                              | 0        |
|                                 | 1       | 74        | 16.17                 | 16.01                 | 15.82                 | 15.88                 |                              | 0        |
|                                 | 36      | 0         | 15.73                 | 15.46                 | 15.56                 | 15.41                 | 0-2                          | 0        |
|                                 | 36      | 18        | 15.70                 | 15.48                 | 15.55                 | 15.48                 |                              | 0        |
|                                 | 36      | 37        | 15.57                 | 15.48                 | 15.54                 | 15.41                 |                              | 0        |
|                                 | 75      | 0         | 15.79                 | 15.47                 | 15.63                 | 15.40                 |                              | 0        |
| 64QAM                           | 1       | 0         | 16.25                 | 16.18                 | 16.14                 | 15.95                 | 0-2                          | 0        |
|                                 | 1       | 36        | 16.29                 | 15.90                 | 15.96                 | 15.69                 |                              | 0        |
|                                 | 1       | 74        | 16.16                 | 16.15                 | 16.10                 | 16.08                 |                              | 0        |
|                                 | 36      | 0         | 15.96                 | 15.71                 | 15.79                 | 15.64                 | 0-3                          | 0        |
|                                 | 36      | 18        | 15.98                 | 15.63                 | 15.74                 | 15.63                 |                              | 0        |
|                                 | 36      | 37        | 15.86                 | 15.66                 | 15.79                 | 15.68                 |                              | 0        |
|                                 | 75      | 0         | 16.08                 | 15.75                 | 15.86                 | 15.71                 |                              | 0        |

|                                         |                                                                                                                  |                            |  |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|--|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 215 of 297                 |

**Table 8-339**  
**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         | 16.24                 | 16.10                 | 16.15                 | 16.07                 | 0                            | 0        |
|                                 | 1       | 25        | 16.00                 | 16.03                 | 15.91                 | 15.94                 |                              | 0        |
|                                 | 1       | 49        | 15.97                 | 16.19                 | 16.18                 | 16.22                 |                              | 0        |
|                                 | 25      | 0         | 15.92                 | 16.03                 | 16.12                 | 16.01                 | 0-1                          | 0        |
|                                 | 25      | 12        | 15.88                 | 15.98                 | 16.05                 | 15.95                 |                              | 0        |
|                                 | 25      | 25        | 16.00                 | 16.07                 | 16.13                 | 16.01                 |                              | 0        |
|                                 | 50      | 0         | 15.97                 | 16.08                 | 16.13                 | 16.06                 |                              | 0        |
| 16QAM                           | 1       | 0         | 15.57                 | 16.19                 | 16.18                 | 15.76                 | 0-1                          | 0        |
|                                 | 1       | 25        | 15.55                 | 15.93                 | 15.97                 | 15.45                 |                              | 0        |
|                                 | 1       | 49        | 15.81                 | 16.29                 | 16.06                 | 15.87                 |                              | 0        |
|                                 | 25      | 0         | 15.49                 | 15.68                 | 15.71                 | 15.61                 | 0-2                          | 0        |
|                                 | 25      | 12        | 15.50                 | 15.62                 | 15.63                 | 15.54                 |                              | 0        |
|                                 | 25      | 25        | 15.62                 | 15.71                 | 15.67                 | 15.59                 |                              | 0        |
|                                 | 50      | 0         | 15.69                 | 15.82                 | 15.85                 | 15.72                 |                              | 0        |
| 64QAM                           | 1       | 0         | 16.05                 | 16.09                 | 15.95                 | 15.82                 | 0-2                          | 0        |
|                                 | 1       | 25        | 15.95                 | 16.05                 | 15.96                 | 15.64                 |                              | 0        |
|                                 | 1       | 49        | 16.28                 | 16.33                 | 16.03                 | 15.93                 |                              | 0        |
|                                 | 25      | 0         | 15.68                 | 15.68                 | 15.68                 | 15.66                 | 0-3                          | 0        |
|                                 | 25      | 12        | 15.67                 | 15.62                 | 15.59                 | 15.55                 |                              | 0        |
|                                 | 25      | 25        | 15.80                 | 15.69                 | 15.65                 | 15.60                 |                              | 0        |
|                                 | 50      | 0         | 15.87                 | 15.79                 | 15.79                 | 15.69                 |                              | 0        |

**Table 8-340**  
**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         | 15.78                 | 16.05                 | 16.10                 | 16.01                 | 0                            | 0        |
|                                | 1       | 12        | 15.70                 | 15.97                 | 15.99                 | 15.68                 |                              | 0        |
|                                | 1       | 24        | 15.93                 | 16.27                 | 16.15                 | 15.90                 |                              | 0        |
|                                | 12      | 0         | 15.99                 | 15.93                 | 16.04                 | 15.95                 | 0-1                          | 0        |
|                                | 12      | 6         | 15.98                 | 15.86                 | 15.93                 | 15.83                 |                              | 0        |
|                                | 12      | 13        | 16.04                 | 15.95                 | 16.01                 | 15.92                 |                              | 0        |
|                                | 25      | 0         | 16.16                 | 16.04                 | 16.09                 | 16.00                 |                              | 0        |
| 16QAM                          | 1       | 0         | 15.91                 | 15.67                 | 15.77                 | 15.60                 | 0-1                          | 0        |
|                                | 1       | 12        | 15.71                 | 15.71                 | 15.91                 | 15.55                 |                              | 0        |
|                                | 1       | 24        | 15.98                 | 15.83                 | 15.89                 | 15.41                 |                              | 0        |
|                                | 12      | 0         | 15.70                 | 15.51                 | 15.52                 | 15.67                 | 0-2                          | 0        |
|                                | 12      | 6         | 15.63                 | 15.41                 | 15.55                 | 15.46                 |                              | 0        |
|                                | 12      | 13        | 15.72                 | 15.46                 | 15.72                 | 15.61                 |                              | 0        |
|                                | 25      | 0         | 15.89                 | 15.74                 | 15.80                 | 15.63                 |                              | 0        |
| 64QAM                          | 1       | 0         | 16.03                 | 16.11                 | 15.67                 | 15.72                 | 0-2                          | 0        |
|                                | 1       | 12        | 15.82                 | 15.49                 | 15.85                 | 15.56                 |                              | 0        |
|                                | 1       | 24        | 16.10                 | 15.80                 | 15.96                 | 15.61                 |                              | 0        |
|                                | 12      | 0         | 15.81                 | 15.49                 | 15.73                 | 15.41                 | 0-3                          | 0        |
|                                | 12      | 6         | 15.75                 | 15.42                 | 15.65                 | 15.51                 |                              | 0        |
|                                | 12      | 13        | 15.83                 | 15.41                 | 15.69                 | 15.81                 |                              | 0        |
|                                | 25      | 0         | 15.97                 | 15.70                 | 15.78                 | 15.60                 |                              | 0        |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 216 of 297                        |

## 8.3.2 LTE Uplink Carrier Aggregation Conducted Powers

Table 8-341

LTE Uplink Carrier Aggregation Conducted Powers – Antenna 1

| Combination | PCC      |                     |                |                        |                |                        |            |            |                  | SCC      |                     |                |                        |                |                        |            |            |                  | Power                                 |                                   |
|-------------|----------|---------------------|----------------|------------------------|----------------|------------------------|------------|------------|------------------|----------|---------------------|----------------|------------------------|----------------|------------------------|------------|------------|------------------|---------------------------------------|-----------------------------------|
|             | 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                | 20.67                                 | 20.64                             |

Table 8-342

LTE Uplink Carrier Aggregation Conducted Powers – Antenna 3

| Combination | PCC      |                     |                |                        |                |                        |            |            |                  | SCC      |                     |                |                        |                |                        |            |            |                  | Power                                 |                                   |
|-------------|----------|---------------------|----------------|------------------------|----------------|------------------------|------------|------------|------------------|----------|---------------------|----------------|------------------------|----------------|------------------------|------------|------------|------------------|---------------------------------------|-----------------------------------|
|             | 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       | 1          | 49               | LTE B5   | 5                   | 20597          | 843.7                  | 2597           | 888.7                  | QPSK       | 1          | 0                | 20.65                                 | 20.71                             |

Table 8-343

LTE Uplink Carrier Aggregation Conducted Powers – Antenna 2A

| LTE Single Carrier Aggregation Conducted Powers - Antenna 1A |             |                     |                     |                             |                |                        |                  |             |                     |                     |                             |                |                        |                  |                                       |                                   | Power      |                                   | LTE Single Carrier Tx Power (dBm)     |                                   |
|--------------------------------------------------------------|-------------|---------------------|---------------------|-----------------------------|----------------|------------------------|------------------|-------------|---------------------|---------------------|-----------------------------|----------------|------------------------|------------------|---------------------------------------|-----------------------------------|------------|-----------------------------------|---------------------------------------|-----------------------------------|
| 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                      |                | 2680.0                 | QPSK             | 1           | 0                   | LTE B7              | 20                          | 21152          | 2540.2                 | 3152             | 2660.2                                | QPSK                              | 1          | 99                                | 13.54                                 | 13.98                             |
| PCC                                                          |             |                     |                     |                             |                |                        |                  |             |                     | SCC                 |                             |                |                        |                  |                                       |                                   |            | Power                             |                                       | LTE Single Carrier Tx Power (dBm) |
| 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               | 16.02                                 | 16.15                             |            |                                   |                                       |                                   |
| PCC                                                          |             |                     |                     |                             |                |                        |                  |             |                     | SCC                 |                             |                |                        |                  |                                       | Power                             |            | LTE Single Carrier Tx Power (dBm) |                                       |                                   |
| 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               | 16.21                                 | 16.35                             |            |                                   |                                       |                                   |

Table 8-344

LTE Uplink Carrier Aggregation Conducted Powers – Antenna 2B

| LTE Single Carrier Aggregation Conducted Powers - Antenna 22 |             |                     |                     |                             |                |                        |                  |             |                     |                     |                             |                |                        |                  |                                       |                                   |            |                  |                                       |                                   |
|--------------------------------------------------------------|-------------|---------------------|---------------------|-----------------------------|----------------|------------------------|------------------|-------------|---------------------|---------------------|-----------------------------|----------------|------------------------|------------------|---------------------------------------|-----------------------------------|------------|------------------|---------------------------------------|-----------------------------------|
| Combination                                                  | PCC         |                     |                     |                             |                |                        |                  |             |                     | SCC                 |                             |                |                        |                  |                                       | Power                             |            |                  |                                       |                                   |
|                                                              | 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             | 1           | 0                   | LTE B7              | 20                          | 20902          | 2515.2                 | 2902             | 2635.2                                | QPSK                              | 1          | 99               | 11.49                                 | 11.56                             |
| Combination                                                  | PCC         |                     |                     |                             |                |                        |                  |             |                     | SCC                 |                             |                |                        |                  |                                       | Power                             |            |                  |                                       |                                   |
|                                                              | 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               | 12.51                                 | 12.80                             |            |                  |                                       |                                   |
| Combination                                                  | PCC         |                     |                     |                             |                |                        |                  |             |                     | SCC                 |                             |                |                        |                  |                                       | Power                             |            |                  |                                       |                                   |
|                                                              | 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               | 12.80                                 | 12.80                             |            |                  |                                       |                                   |

|                                         |                                                                                     |                            |                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------|---------------------------------|
| FCC ID: BCGA2069                        |  |                            | SAR EVALUATION REPORT | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                              | DUT Type:<br>Tablet Device |                       | Page 217 of 297                 |

**Table 8-345**  
**LTE Uplink Carrier Aggregation Conducted Powers – Antenna 4A**

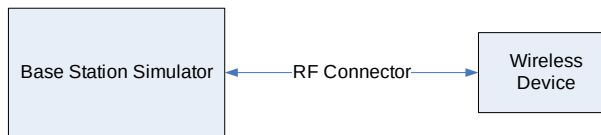
| PCC         |             |                     |                     |                             |                |                        |                  |             |                     | SCC                 |                             |                |                        |                  |                                       |                                   |            |                  |                                       | 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 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                  | 20850               | 2510.0                      | 2850           | 2630.0                 | QPSK             | 50          | 50                  | LTE B7              | 20                          | 21048          | 2529.8                 | 3048             | 2649.8                                | QPSK                              | 50         | 0                | 13.95                                 | 14.02                             |  |
| 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               | 16.51                                 | 16.86                             |            |                  |                                       |                                   |  |
| 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               | 16.53                                 | 16.85                             |            |                  |                                       |                                   |  |

**Table 8-346**  
**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 (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               | 11.75                                 | 12.03                                     |
|             | 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                  | 39750               | 2506.0                      | QPSK           | 1                      | 99               | LTE B41     | 20                  | 39948               | 2525.8                      | QPSK           | 1                      | 0                | 14.42                                 | 14.79                             |            |                  |                                       |                                           |
|             | 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                  | 39750               | 2506.0                      | QPSK           | 1                      | 99               | LTE B41 PC2 | 20                  | 39948               | 2525.8                      | QPSK           | 1                      | 0                | 14.62                                 | 14.69                             |            |                  |                                       |                                           |

**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: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 218 of 297                 |

## 8.4 WLAN Maximum Conducted Powers

### 8.4.1 Variant 1

Table 8-347  
2.4 GHz WLAN 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       | 13.25                  | 13.99   | 13.72   |
| 2437                         | 6       | 13.10                  | 13.84   | 14.00   |
| 2462                         | 11      | 13.26                  | 14.00   | 13.70   |
| 2467                         | 12      | 13.10                  | 10.50   | 10.47   |
| 2472                         | 13      | 11.08                  | 0.00    | 0.00    |

Table 8-348  
2.4 GHz WLAN 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       | 12.81                  | 13.60   | 13.56   |
| 2437                         | 6       | 12.94                  | 13.75   | 13.75   |
| 2462                         | 11      | 12.85                  | 13.63   | 13.64   |
| 2467                         | 12      | 12.77                  | 10.83   | 10.71   |
| 2472                         | 13      | 11.11                  | 0.50    | 0.44    |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 219 of 297                 |

**Table 8-349**  
**5 GHz WLAN Maximum Average RF Power – 5 GHz ANTlower**

| 5GHz (40MHz) Conducted Power [dBm] |         |                        |          |
|------------------------------------|---------|------------------------|----------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |          |
|                                    |         | 802.11n                | 802.11ac |
|                                    |         | Average                | Average  |
| 5190                               | 38      | 12.64                  | 12.67    |
| 5230                               | 46      | 16.06                  | 16.04    |
| 5270                               | 54      | 15.82                  | 15.76    |
| 5310                               | 62      | 13.66                  | 13.53    |

| 5GHz (80MHz) Conducted Power [dBm] |         |                        |
|------------------------------------|---------|------------------------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |
|                                    |         | 802.11ac               |
|                                    |         | Average                |
| 5530                               | 106     | 11.06                  |
| 5610                               | 122     | 14.50                  |
| 5690                               | 138     | 14.65                  |
| 5775                               | 155     | 15.00                  |

**Table 8-350**  
**5 GHz WLAN Maximum Average RF Power – 5 GHz ANTupper**

| 5GHz (40MHz) Conducted Power [dBm] |         |                        |          |
|------------------------------------|---------|------------------------|----------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |          |
|                                    |         | 802.11n                | 802.11ac |
|                                    |         | Average                | Average  |
| 5190                               | 38      | 12.62                  | 12.59    |
| 5230                               | 46      | 15.95                  | 15.97    |
| 5270                               | 54      | 15.75                  | 15.72    |
| 5310                               | 62      | 13.63                  | 13.55    |

| 5GHz (80MHz) Conducted Power [dBm] |         |                        |
|------------------------------------|---------|------------------------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |
|                                    |         | 802.11ac               |
|                                    |         | Average                |
| 5530                               | 106     | 11.10                  |
| 5610                               | 122     | 14.66                  |
| 5690                               | 138     | 14.54                  |
| 5775                               | 155     | 15.20                  |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 220 of 297                 |

### 8.4.1

### Variant 2

**Table 8-351**  
**2.4 GHz WLAN 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       | 13.13                  | 13.10   | 13.12   |
| 2437                         | 6       | 13.11                  | 13.05   | 13.14   |
| 2462                         | 11      | 13.03                  | 13.01   | 13.03   |
| 2467                         | 12      | 13.00                  | 10.11   | 10.13   |
| 2472                         | 13      | 11.20                  | 0.25    | 0.30    |

**Table 8-352**  
**2.4 GHz WLAN 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                  | 12.73   | 12.77   |
| 2437                         | 6       | 12.93                  | 12.96   | 12.87   |
| 2462                         | 11      | 12.76                  | 12.75   | 12.74   |
| 2467                         | 12      | 12.75                  | 10.11   | 10.07   |
| 2472                         | 13      | 11.00                  | 0.33    | 0.31    |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 221 of 297                 |

**Table 8-353**  
**5 GHz WLAN Average RF Power – 5 GHz ANTlower**

| 5GHz (40MHz) Conducted Power [dBm] |         |                        |          |
|------------------------------------|---------|------------------------|----------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |          |
|                                    |         | 802.11n                | 802.11ac |
|                                    |         | Average                | Average  |
| 5190                               | 38      | 12.63                  | 12.57    |
| 5230                               | 46      | 16.24                  | 16.21    |
| 5270                               | 54      | 15.81                  | 15.71    |
| 5310                               | 62      | 13.62                  | 13.60    |
| 5GHz (80MHz) Conducted Power [dBm] |         |                        |          |
| Freq [MHz]                         | Channel | IEEE Transmission Mode |          |
|                                    |         | 802.11ac               |          |
|                                    |         | Average                |          |
| 5530                               | 106     | 11.20                  |          |
| 5610                               | 122     | 14.60                  |          |
| 5690                               | 138     | 14.59                  |          |
| 5775                               | 155     | 14.67                  |          |

**Table 8-354**  
**5 GHz WLAN Average RF Power – 5 GHz ANTupper**

| 5GHz (40MHz) Conducted Power [dBm] |         |                        |          |
|------------------------------------|---------|------------------------|----------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |          |
|                                    |         | 802.11n                | 802.11ac |
|                                    |         | Average                | Average  |
| 5190                               | 38      | 12.60                  | 12.49    |
| 5230                               | 46      | 15.90                  | 15.83    |
| 5270                               | 54      | 15.75                  | 15.73    |
| 5310                               | 62      | 13.55                  | 13.61    |
| 5GHz (80MHz) Conducted Power [dBm] |         |                        |          |
| Freq [MHz]                         | Channel | IEEE Transmission Mode |          |
|                                    |         | 802.11ac               |          |
|                                    |         | Average                |          |
| 5530                               | 106     | 11.12                  |          |
| 5610                               | 122     | 14.69                  |          |
| 5690                               | 138     | 14.61                  |          |
| 5775                               | 155     | 14.76                  |          |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 222 of 297                 |

## 8.5 WLAN Reduced Conducted Powers

### 8.5.1

### Variant 1

Table 8-355  
2.4 GHz WLAN 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       | 6.20                   | 6.16    | 6.22    |
| 2437                         | 6       | 6.06                   | 6.04    | 6.03    |
| 2462                         | 11      | 6.08                   | 6.09    | 6.06    |

Table 8-356  
2.4 GHz WLAN 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       | 5.82                   | 5.80    | 5.78    |
| 2437                         | 6       | 5.81                   | 5.85    | 5.82    |
| 2462                         | 11      | 5.94                   | 5.93    | 5.87    |

Table 8-357  
5 GHz WLAN Average RF Power – 5 GHz ANTlower

| 5GHz (80MHz) Conducted Power [dBm] |         |                        |
|------------------------------------|---------|------------------------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |
|                                    |         | 802.11ac               |
|                                    |         | Average                |
| 5210                               | 42      | 12.12                  |
| 5290                               | 58      | 11.78                  |
| 5530                               | 106     | 10.52                  |
| 5610                               | 122     | 10.59                  |
| 5690                               | 138     | 10.62                  |
| 5775                               | 155     | 10.63                  |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 223 of 297                 |

**Table 8-358**  
**5 GHz WLAN Average RF Power – 5 GHz ANTupper**

| 5GHz (80MHz) Conducted Power [dBm] |         |                        |
|------------------------------------|---------|------------------------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |
|                                    |         | 802.11ac               |
|                                    |         | Average                |
| 5210                               | 42      | 11.07                  |
| 5290                               | 58      | 10.88                  |
| 5530                               | 106     | 9.63                   |
| 5610                               | 122     | 9.53                   |
| 5690                               | 138     | 9.59                   |
| 5775                               | 155     | 9.93                   |

## 8.5.2 Variant 2

**Table 8-359**  
**2.4 GHz WLAN 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       | 6.12                   | 6.08    | 6.13    |
| 2437                         | 6       | 6.18                   | 6.16    | 6.12    |
| 2462                         | 11      | 6.15                   | 6.11    | 6.15    |

**Table 8-360**  
**2.4 GHz WLAN 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       | 5.87                   | 5.86    | 5.81    |
| 2437                         | 6       | 5.78                   | 5.72    | 5.74    |
| 2462                         | 11      | 5.85                   | 5.86    | 5.85    |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 224 of 297                 |

**Table 8-361**  
**5 GHz WLAN Average RF Power – 5 GHz ANTlower**

| 5GHz (80MHz) Conducted Power [dBm] |         |                        |
|------------------------------------|---------|------------------------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |
|                                    |         | 802.11ac               |
|                                    |         | Average                |
| 5210                               | 42      | 12.19                  |
| 5290                               | 58      | 11.81                  |
| 5530                               | 106     | 10.56                  |
| 5610                               | 122     | 10.59                  |
| 5690                               | 138     | 10.55                  |
| 5775                               | 155     | 10.55                  |

**Table 8-362**  
**5 GHz WLAN Average RF Power – 5 GHz ANTupper**

| 5GHz (80MHz) Conducted Power [dBm] |         |                        |
|------------------------------------|---------|------------------------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |
|                                    |         | 802.11ac               |
|                                    |         | Average                |
| 5210                               | 42      | 11.02                  |
| 5290                               | 58      | 10.86                  |
| 5530                               | 106     | 9.59                   |
| 5610                               | 122     | 9.52                   |
| 5690                               | 138     | 9.58                   |
| 5775                               | 155     | 9.96                   |

### 8.5.3 WLAN Power Reduction Verification Summary

**Table 8-363**  
**WLAN Power Reduction Verification**

| Antenna        | 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] |         |
| ANT2a          | 2.4 GHz WLAN | Main Band 2a/2b ON | 14                                  | 7                                   | 12.50 (± 1.5)             | 5.50 (± 1.5)              | 11.60                | 5.62                 | PASS    |
|                |              | Interband ULCA ON  | 14                                  | 7                                   | 12.50 (± 1.5)             | 5.50 (± 1.5)              | 11.60                | 5.51                 | PASS    |
| ANT4a          |              | Main Band 4a/4b ON | 13.75                               | 6.75                                | 12.25 (± 1.5)             | 5.25 (± 1.5)              | 13.18                | 6.44                 | PASS    |
|                |              | Interband ULCA ON  | 13.75                               | 6.75                                | 12.25 (± 1.5)             | 5.25 (± 1.5)              | 13.18                | 6.12                 | PASS    |
| 5 GHz ANTlower | 5 GHz WLAN   | Main Band 2a ON    | 17                                  | 13                                  | 15.50 (± 1.5)             | 11.50 (± 1.5)             | 14.42                | 12.11                | PASS    |
|                |              | Interband ULCA ON  | 17                                  | 13                                  | 15.50 (± 1.5)             | 11.50 (± 1.5)             | 14.45                | 11.63                | PASS    |
| 5 GHz ANTupper |              | Main Band 3 ON     | 17                                  | 12                                  | 15.50 (± 1.5)             | 10.50 (± 1.5)             | 15.01                | 10.17                | PASS    |
|                |              | Interband ULCA ON  | 17                                  | 12                                  | 15.50 (± 1.5)             | 10.50 (± 1.5)             | 14.71                | 10.52                | PASS    |

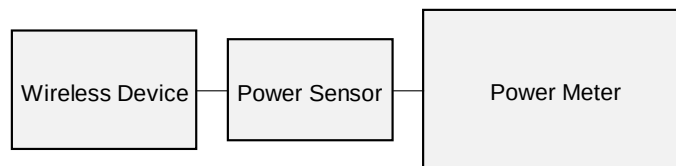
Conducted powers were measured for each Mode/Band and applied condition. All conducted power measurements were verified to be within tolerance.

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
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## 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 worst case configurations were evaluated for both variant 1 and variant 2. The variant with highest report SAR value was selected for remaining test configurations.



**Figure 8-4**  
**Power Measurement Setup**

|                                                |                                                                                                                  |                                   |                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                                    | <b>DUT Type:</b><br>Tablet Device | Page 226 of 297                        |

## 8.6 Bluetooth Conducted Powers

**Table 8-364**  
**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           | 14.31               | 26.977 |
| 2441            | GFSK       | 1.0              | 39          | 14.32               | 27.040 |
| 2480            | GFSK       | 1.0              | 78          | 14.25               | 26.607 |

**Table 8-365**  
**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           | 14.57               | 28.642 |
| 2441            | GFSK       | 1.0              | 39          | 13.85               | 24.266 |
| 2480            | GFSK       | 1.0              | 78          | 14.77               | 29.992 |

**Table 8-366**  
**Maximum Bluetooth Average RF Power – Ant 2a – Variant 2**

| Frequency [MHz] | Modulation | Data Rate [Mbps] | Channel No. | Avg Conducted Power |        |
|-----------------|------------|------------------|-------------|---------------------|--------|
|                 |            |                  |             | [dBm]               | [mW]   |
| 2402            | GFSK       | 1.0              | 0           | 14.24               | 26.546 |
| 2441            | GFSK       | 1.0              | 39          | 14.19               | 26.242 |
| 2480            | GFSK       | 1.0              | 78          | 14.05               | 25.410 |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 227 of 297                 |

**Table 8-367**  
**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              | 14.69                  | 29.444 |
| 2441               | GFSK       | 1.0                    | 39             | 14.70                  | 29.512 |
| 2480               | GFSK       | 1.0                    | 78             | 14.66                  | 29.242 |

**Table 8-368**  
**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              | 11.15                  | 13.032 |
| 2441               | GFSK       | 1.0                    | 39             | 11.09                  | 12.853 |
| 2480               | GFSK       | 1.0                    | 78             | 10.60                  | 11.482 |

**Table 8-369**  
**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              | 7.32                   | 5.395 |
| 2441               | GFSK       | 1.0                    | 39             | 7.21                   | 5.260 |
| 2480               | GFSK       | 1.0                    | 78             | 7.42                   | 5.521 |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 228 of 297                        |

**Table 8-370**  
**Reduced Bluetooth Average RF Power – Ant 4a – 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              | 7.74                   | 5.943 |
| 2441               | GFSK       | 1.0                    | 39             | 7.75                   | 5.957 |
| 2480               | GFSK       | 1.0                    | 78             | 7.96                   | 6.252 |

**Table 8-371**  
**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              | 10.85                  | 12.162 |
| 2441               | GFSK       | 1.0                    | 39             | 11.32                  | 13.552 |
| 2480               | GFSK       | 1.0                    | 78             | 11.30                  | 13.490 |

**Table 8-372**  
**Reduced Power Level 2 Bluetooth Average RF Power – Ant 2a – Variant 2**

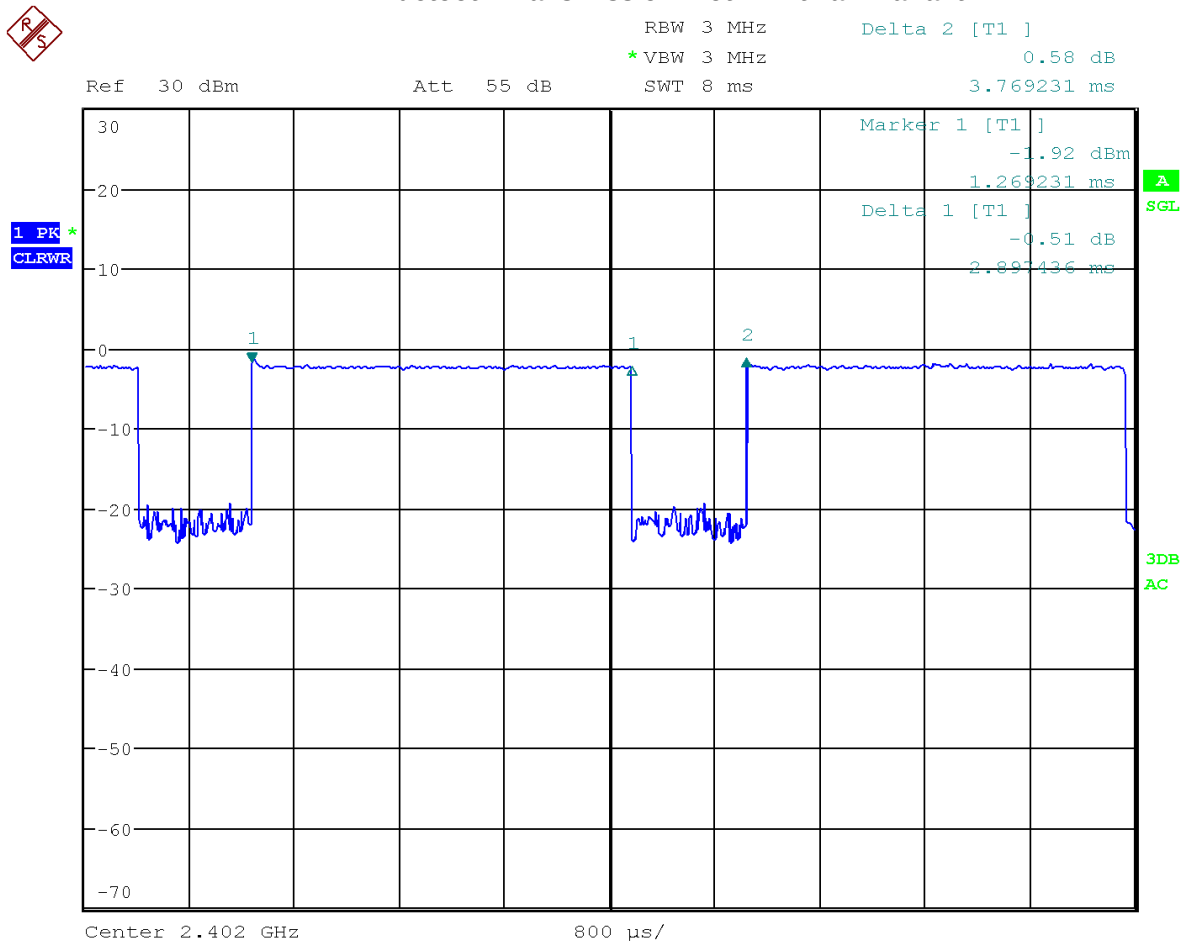
| Frequency<br>[MHz] | Modulation | Data<br>Rate<br>[Mbps] | Channel<br>No. | Avg Conducted<br>Power |       |
|--------------------|------------|------------------------|----------------|------------------------|-------|
|                    |            |                        |                | [dBm]                  | [mW]  |
| 2402               | GFSK       | 1.0                    | 0              | 7.25                   | 5.309 |
| 2441               | GFSK       | 1.0                    | 39             | 7.20                   | 5.248 |
| 2480               | GFSK       | 1.0                    | 78             | 7.24                   | 5.297 |

**Table 8-373**  
**Reduced 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              | 7.81                   | 6.039 |
| 2441               | GFSK       | 1.0                    | 39             | 7.79                   | 6.012 |
| 2480               | GFSK       | 1.0                    | 78             | 8.00                   | 6.310 |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 229 of 297                 |

**Figure 8-5**  
**Bluetooth Transmission Plot – Ant 4a – Variant 1**



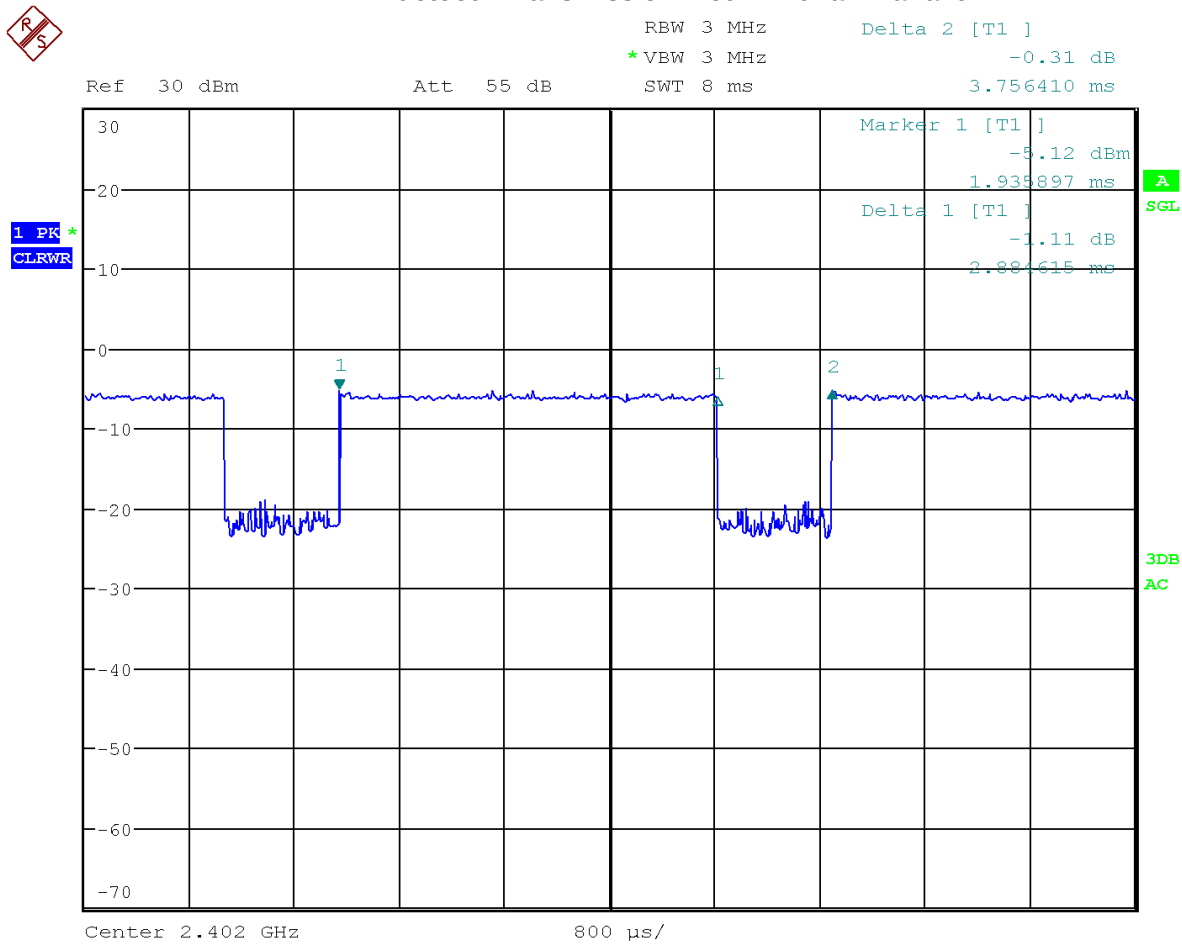
Date: 6.JAN.2020 14:12:55

**Equation 8-1**  
**Bluetooth Duty Cycle Calculation – Ant 4a – 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>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 230 of 297                 |

**Figure 8-6**  
**Bluetooth Transmission Plot – Ant 2a – Variant 1**



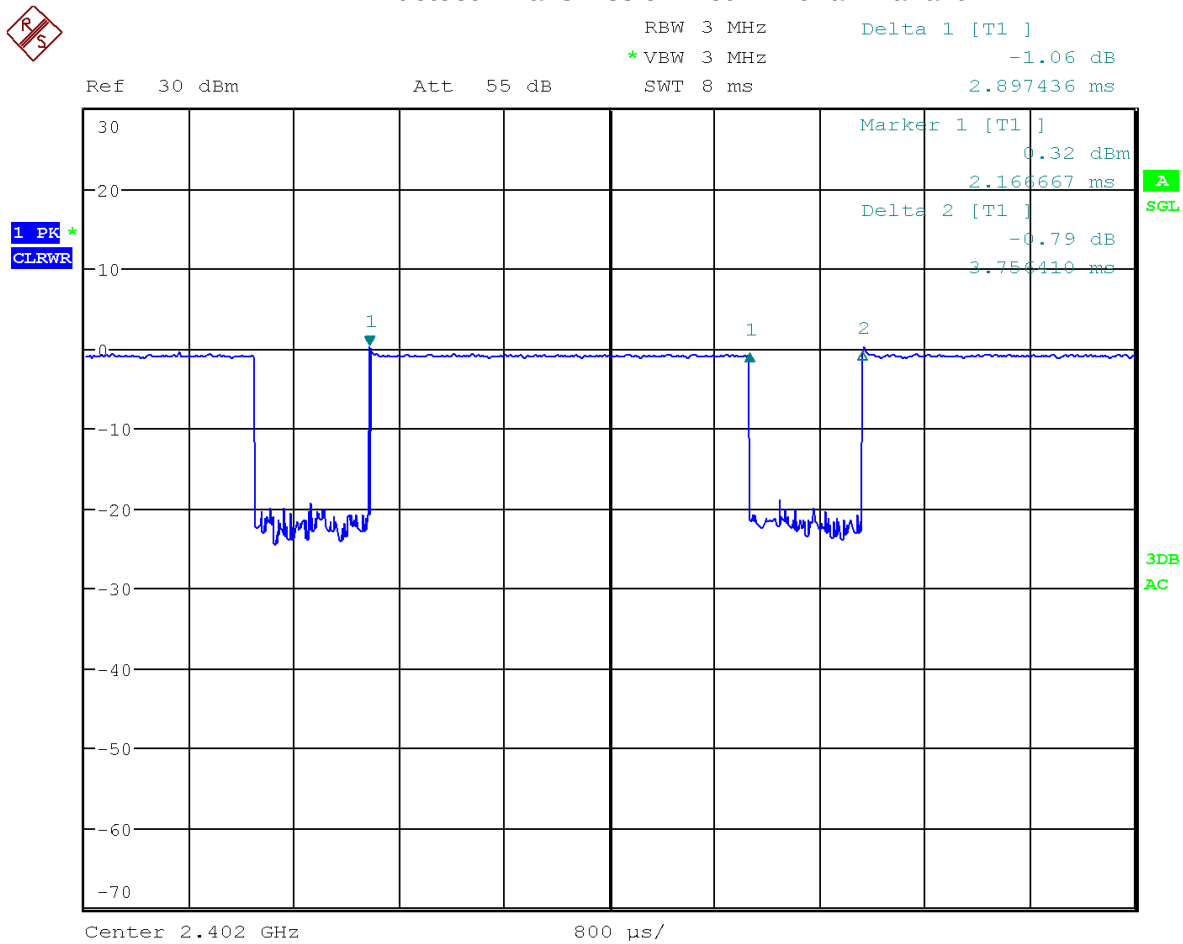
Date: 6.JAN.2020 14:07:22

**Equation 8-2**  
**Bluetooth Duty Cycle Calculation – Ant 2a – Variant 1**

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.8846\text{ms}}{3.7564\text{ms}} * 100\% = 76.8\%$$

|                                         |                                        |                              |                                 |
|-----------------------------------------|----------------------------------------|------------------------------|---------------------------------|
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| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020 | DUT Type:<br>Tablet Device   | Page 231 of 297                 |

**Figure 8-7**  
**Bluetooth Transmission Plot – Ant 4a – Variant 2**



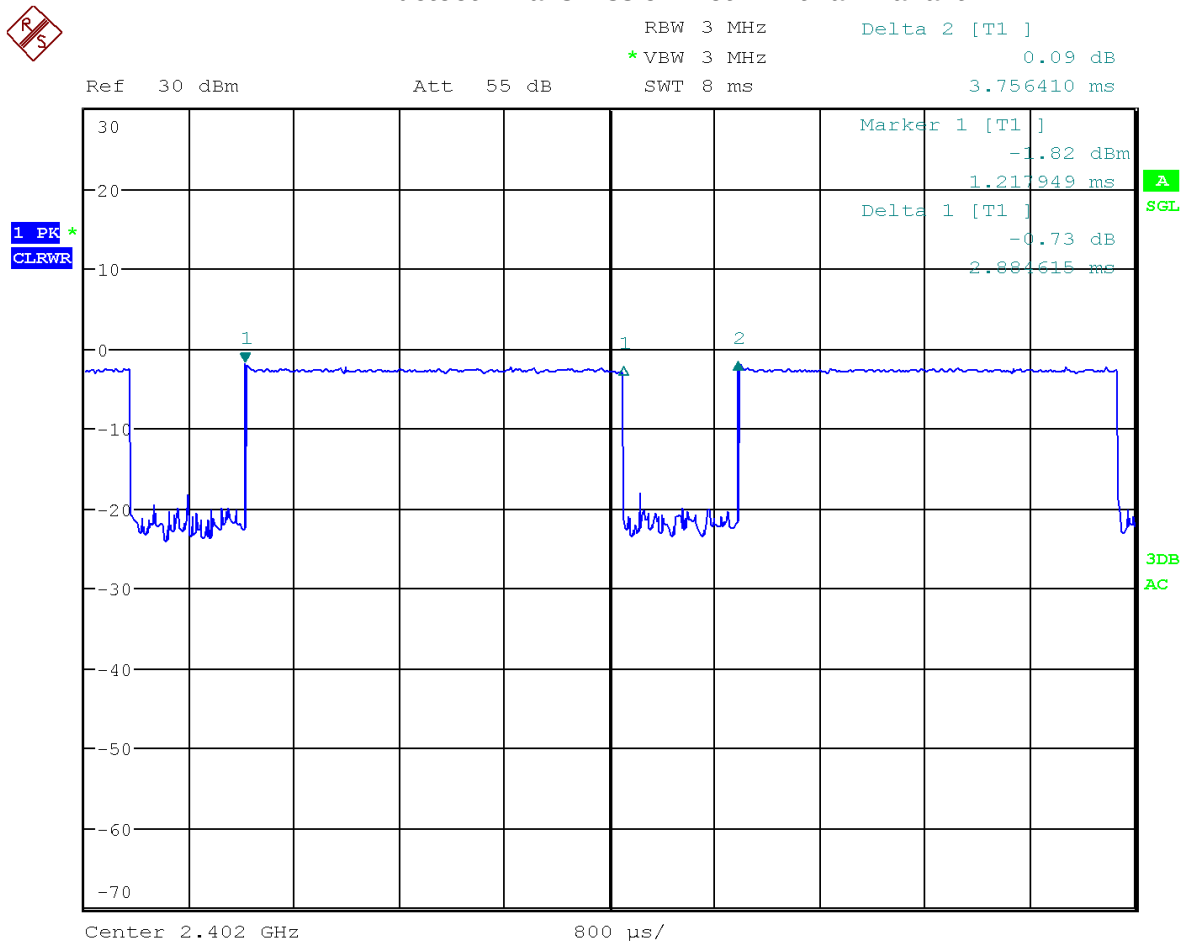
Date: 6.JAN.2020 14:20:41

**Equation 8-3**  
**Bluetooth Duty Cycle Calculation – Ant 4a – Variant 2**

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.8974\text{ms}}{3.7564\text{ms}} * 100\% = 77.1\%$$

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 232 of 297                 |

**Figure 8-8**  
**Bluetooth Transmission Plot – Ant 2a – Variant 2**



Date: 6.JAN.2020 14:18:18

**Equation 8-4**  
**Bluetooth Duty Cycle Calculation – Ant 2a – Variant 2**

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.8846\text{ms}}{3.7564\text{ms}} * 100\% = 76.8\%$$

|                                         |                                        |                              |                                 |
|-----------------------------------------|----------------------------------------|------------------------------|---------------------------------|
| FCC ID: BCGA2069                        | <b>PCTEST</b>                          | <b>SAR EVALUATION REPORT</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020 | DUT Type:<br>Tablet Device   | Page 233 of 297                 |

## 8.6.1 Bluetooth Power Reduction Verification Summary

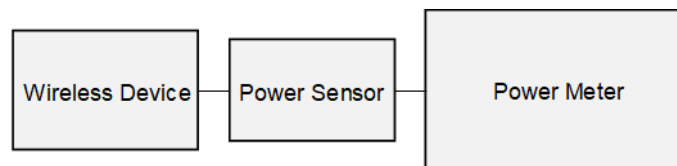
**Table 8-374**  
**Bluetooth Power Reduction Verification**

| 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 | Reduced<br>Measured Power | Verdict |
|---------|-------------------|----------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-------------------------------|-------------------------------|---------------------------|---------------------------|---------|
|         |                   |                                        |                                                            |                                                            | (Tolerance [dB])              | (Tolerance [dB])              | [dBm]                     | [dBm]                     |         |
| ANT4a   | 2.4 GHz Bluetooth | Main Band ANT3/4a/4b ON                | 15                                                         | 8                                                          | 13.50 (+1.5/-2)               | 6.50 (+1.5/-2)                | 14.52                     | 7.68                      | PASS    |
|         | 2.4 GHz Bluetooth | Interband ULCA ON                      | 15                                                         | 8                                                          | 13.50 (+1.5/-2)               | 6.50 (+1.5/-2)                | 14.52                     | 7.8                       | PASS    |
| ANT2a   | 2.4 GHz Bluetooth | 5 GHz WLAN ON                          | 14.5                                                       | 11.5                                                       | 13.00 (+1.5/-2)               | 10.00 (+1.5/-2)               | 11.92                     | 8.88                      | 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)                | 11.88                     | 5.52                      | 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)                | 11.93                     | 5.47                      | PASS    |
|         | 2.4 GHz Bluetooth | Interband ULCA ON                      | 14.5                                                       | 7.5                                                        | 13.00 (+1.5/-2)               | 6.00 (+1.5/-2)                | 11.95                     | 5.58                      | 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)                | 11.95                     | 5.64                      | 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 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: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 234 of 297                 |

## 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 $\epsilon$ |
|------------------------------------|-------------|-------------------------------------|--------------------------|---------------------------------------|------------------------------------------|-------------------------------------|----------------------------------------|----------------|------------------|
| 1/16/2020                          | 750B        | 20.7                                | 680                      | 0.911                                 | 54.416                                   | 0.958                               | 55.804                                 | -4.91%         | -2.49%           |
|                                    |             |                                     | 695                      | 0.925                                 | 54.581                                   | 0.959                               | 55.745                                 | -3.55%         | -2.09%           |
|                                    |             |                                     | 700                      | 0.927                                 | 54.617                                   | 0.959                               | 55.726                                 | -3.34%         | -1.99%           |
|                                    |             |                                     | 710                      | 0.929                                 | 54.633                                   | 0.960                               | 55.687                                 | -3.23%         | -1.89%           |
|                                    |             |                                     | 720                      | 0.929                                 | 54.528                                   | 0.961                               | 55.648                                 | -3.33%         | -2.05%           |
|                                    |             |                                     | 725                      | 0.930                                 | 54.424                                   | 0.961                               | 55.629                                 | -3.23%         | -2.20%           |
|                                    |             |                                     | 740                      | 0.941                                 | 53.973                                   | 0.963                               | 55.570                                 | -2.28%         | -2.87%           |
|                                    |             |                                     | 755                      | 0.964                                 | 53.593                                   | 0.964                               | 55.512                                 | 0.00%          | -3.46%           |
|                                    |             |                                     | 770                      | 0.991                                 | 53.420                                   | 0.965                               | 55.453                                 | 2.69%          | -3.67%           |
|                                    |             |                                     | 785                      | 1.012                                 | 53.411                                   | 0.966                               | 55.395                                 | 4.76%          | -3.58%           |
|                                    |             |                                     | 800                      | 1.015                                 | 53.440                                   | 0.967                               | 55.336                                 | 4.86%          | -3.43%           |
|                                    |             |                                     | 815                      | 0.955                                 | 54.850                                   | 0.959                               | 55.278                                 | -1.34%         | -0.76%           |
| 1/16/2020                          | 835B        | 18.8                                | 820                      | 0.961                                 | 54.784                                   | 0.969                               | 55.258                                 | -0.83%         | -0.86%           |
|                                    |             |                                     | 835                      | 0.978                                 | 54.548                                   | 0.970                               | 55.200                                 | 0.82%          | -1.18%           |
|                                    |             |                                     | 850                      | 0.996                                 | 54.348                                   | 0.988                               | 55.154                                 | 0.81%          | -1.46%           |
|                                    |             |                                     | 1710                     | 1.481                                 | 51.367                                   | 1.463                               | 53.537                                 | 1.23%          | -4.05%           |
|                                    |             |                                     | 1750                     | 1.514                                 | 51.328                                   | 1.488                               | 53.432                                 | 1.75%          | -3.94%           |
| 1/26/2020                          | 1750B       | 21.0                                | 1790                     | 1.565                                 | 51.104                                   | 1.514                               | 53.326                                 | 3.97%          | -4.17%           |
|                                    |             |                                     | 1710                     | 1.465                                 | 51.444                                   | 1.463                               | 53.537                                 | 0.14%          | -3.91%           |
|                                    |             |                                     | 1750                     | 1.509                                 | 51.325                                   | 1.488                               | 53.432                                 | 1.41%          | -3.94%           |
| 1/28/2020                          | 1750B       | 19.0                                | 1790                     | 1.541                                 | 51.303                                   | 1.514                               | 53.326                                 | 1.78%          | -3.79%           |
|                                    |             |                                     | 1850                     | 1.551                                 | 52.272                                   | 1.520                               | 53.300                                 | 2.04%          | -1.93%           |
|                                    |             |                                     | 1880                     | 1.567                                 | 52.249                                   | 1.520                               | 53.300                                 | 3.09%          | -1.97%           |
| 1/18/2020                          | 1900B       | 21.5                                | 1910                     | 1.587                                 | 52.218                                   | 1.520                               | 53.300                                 | 4.41%          | -2.03%           |
|                                    |             |                                     | 1850                     | 1.547                                 | 52.305                                   | 1.520                               | 53.300                                 | 1.78%          | -1.87%           |
|                                    |             |                                     | 1880                     | 1.565                                 | 52.289                                   | 1.520                               | 53.300                                 | 2.96%          | -1.90%           |
| 1/20/2020                          | 1900B       | 19.7                                | 1910                     | 1.585                                 | 52.264                                   | 1.520                               | 53.300                                 | 4.28%          | -1.94%           |
|                                    |             |                                     | 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%          | -3.22%           |
|                                    |             |                                     | 2300                     | 1.829                                 | 52.614                                   | 1.809                               | 52.900                                 | 1.11%          | -0.54%           |
|                                    |             |                                     | 2310                     | 1.843                                 | 52.593                                   | 1.816                               | 52.887                                 | 1.49%          | -0.56%           |
| 1/26/2020                          | 2300B       | 22.1                                | 2320                     | 1.855                                 | 52.570                                   | 1.826                               | 52.873                                 | 1.59%          | -0.57%           |
|                                    |             |                                     | 2400                     | 1.965                                 | 50.838                                   | 1.902                               | 52.767                                 | 3.31%          | -3.66%           |
|                                    |             |                                     | 2450                     | 2.022                                 | 50.678                                   | 1.950                               | 52.700                                 | 3.69%          | -3.84%           |
| 12/18/2019                         | 2450B       | 21.6                                | 2500                     | 2.102                                 | 50.430                                   | 2.021                               | 52.636                                 | 4.01%          | -4.19%           |
|                                    |             |                                     | 2400                     | 1.886                                 | 50.952                                   | 1.902                               | 52.767                                 | -0.84%         | -3.44%           |
|                                    |             |                                     | 2450                     | 1.948                                 | 50.877                                   | 1.950                               | 52.700                                 | -0.10%         | -3.46%           |
| 1/14/2020                          | 2450B       | 23.0                                | 2500                     | 2.022                                 | 50.597                                   | 2.021                               | 52.636                                 | 0.05%          | -3.87%           |
|                                    |             |                                     | 2400                     | 1.960                                 | 52.050                                   | 1.902                               | 52.767                                 | 3.05%          | -1.36%           |
|                                    |             |                                     | 2450                     | 2.032                                 | 51.895                                   | 1.950                               | 52.700                                 | 4.21%          | -1.53%           |
| 1/24/2020                          | 2450B       | 21.4                                | 2500                     | 2.099                                 | 51.640                                   | 2.021                               | 52.636                                 | 3.86%          | -1.89%           |
|                                    |             |                                     | 2550                     | 2.171                                 | 51.501                                   | 2.092                               | 52.573                                 | 3.78%          | -2.04%           |
|                                    |             |                                     | 2600                     | 2.245                                 | 51.234                                   | 2.163                               | 52.509                                 | 3.79%          | -2.43%           |
| 1/27/2020                          | 2450B       | 22.3                                | 2650                     | 2.310                                 | 51.103                                   | 2.234                               | 52.445                                 | 3.40%          | -2.56%           |
|                                    |             |                                     | 2700                     | 2.388                                 | 50.625                                   | 2.305                               | 52.382                                 | 3.60%          | -2.97%           |
|                                    |             |                                     | 2450                     | 1.961                                 | 53.187                                   | 1.902                               | 52.767                                 | 3.10%          | 0.80%            |
| 1/29/2020                          | 3500B-3700B | 21.5                                | 2450                     | 2.022                                 | 53.116                                   | 1.950                               | 52.700                                 | 3.74%          | 0.79%            |
|                                    |             |                                     | 2500                     | 2.078                                 | 52.881                                   | 2.021                               | 52.636                                 | 2.62%          | 0.47%            |
|                                    |             |                                     | 2550                     | 2.137                                 | 52.834                                   | 2.092                               | 52.573                                 | 2.15%          | 0.50%            |
| 1/29/2020                          | 3500B-3700B | 21.5                                | 2600                     | 2.198                                 | 52.600                                   | 2.163                               | 52.509                                 | 1.62%          | 0.17%            |
|                                    |             |                                     | 2650                     | 2.254                                 | 52.534                                   | 2.234                               | 52.445                                 | 0.80%          | 0.17%            |
|                                    |             |                                     | 2700                     | 2.319                                 | 52.318                                   | 2.305                               | 52.382                                 | 0.61%          | -0.12%           |
| 1/29/2020                          | 3500B-3700B | 21.5                                | 3500                     | 3.383                                 | 49.581                                   | 3.310                               | 51.320                                 | 1.54%          | -3.45%           |
|                                    |             |                                     | 3550                     | 3.430                                 | 49.436                                   | 3.370                               | 51.250                                 | 1.78%          | -3.54%           |
|                                    |             |                                     | 3600                     | 3.492                                 | 49.272                                   | 3.430                               | 51.190                                 | 1.81%          | -3.75%           |
| 12/23/2019                         | 5200B-5800B | 18.7                                | 3645                     | 3.561                                 | 49.174                                   | 3.483                               | 51.125                                 | 2.24%          | -3.62%           |
|                                    |             |                                     | 3685                     | 3.603                                 | 49.041                                   | 3.530                               | 51.070                                 | 2.07%          | -3.97%           |
|                                    |             |                                     | 3725                     | 3.610                                 | 48.914                                   | 3.577                               | 51.015                                 | 2.80%          | -4.12%           |
| 12/23/2019                         | 5200B-5800B | 18.7                                | 5180                     | 5.079                                 | 47.783                                   | 5.276                               | 49.041                                 | -3.73%         | -2.57%           |
|                                    |             |                                     | 5200                     | 5.105                                 | 47.728                                   | 5.299                               | 49.014                                 | -3.66%         | -2.62%           |
|                                    |             |                                     | 5220                     | 5.135                                 | 47.684                                   | 5.323                               | 48.987                                 | -3.53%         | -2.66%           |
| 12/23/2019                         | 5200B-5800B | 18.7                                | 5240                     | 5.169                                 | 47.627                                   | 5.346                               | 48.960                                 | -3.31%         | -2.72%           |
|                                    |             |                                     | 5260                     | 5.203                                 | 47.584                                   | 5.369                               | 48.933                                 | -3.09%         | -2.76%           |
|                                    |             |                                     | 5280                     | 5.229                                 | 47.557                                   | 5.393                               | 48.906                                 | -3.04%         | -2.76%           |
| 12/23/2019                         | 5200B-5800B | 18.7                                | 5300                     | 5.253                                 | 47.528                                   | 5.416                               | 48.879                                 | -3.01%         | -2.76%           |
|                                    |             |                                     | 5320                     | 5.276                                 | 47.479                                   | 5.439                               | 48.851                                 | -3.00%         | -2.81%           |
|                                    |             |                                     | 5500                     | 5.530                                 | 47.140                                   | 5.650                               | 48.607                                 | -2.12%         | -3.02%           |
| 12/23/2019                         | 5200B-5800B | 18.7                                | 5520                     | 5.558                                 | 47.083                                   | 5.673                               | 48.580                                 | -2.03%         | -3.08%           |
|                                    |             |                                     | 5540                     | 5.592                                 | 47.048                                   | 5.696                               | 48.553                                 | -1.83%         | -3.10%           |
|                                    |             |                                     | 5560                     | 5.623                                 | 47.016                                   | 5.720                               | 48.526                                 | -1.70%         | -3.11%           |
| 12/23/2019                         | 5200B-5800B | 18.7                                | 5580                     | 5.653                                 | 46.982                                   | 5.743                               | 48.499                                 | -1.57%         | -3.13%           |
|                                    |             |                                     | 5600                     | 5.674                                 | 46.932                                   | 5.766                               | 48.471                                 | -1.60%         | -3.18%           |
|                                    |             |                                     | 5620                     | 5.705                                 | 46.883                                   | 5.790                               | 48.444                                 | -1.47%         | -3.22%           |
| 12/23/2019                         | 5200B-5800B | 18.7                                | 5640                     | 5.740                                 | 46.839                                   | 5.813                               | 48.417                                 | -1.26%         | -3.26%           |
|                                    |             |                                     | 5660                     | 5.766                                 | 46.809                                   | 5.837                               | 48.390                                 | -1.22%         | -3.27%           |
|                                    |             |                                     | 5680                     | 5.795                                 | 46.779                                   | 5.860                               | 48.363                                 | -1.11%         | -3.28%           |
| 12/23/2019                         | 5200B-5800B | 18.7                                | 5700                     | 5.822                                 | 46.750                                   | 5.883                               | 48.336                                 | -1.04%         | -3.28%           |
|                                    |             |                                     | 5745                     | 5.893                                 | 46.636                                   | 5.936                               | 48.275                                 | -0.72%         | -3.40%           |
|                                    |             |                                     | 5765                     | 5.927                                 | 46.600                                   | 5.959                               | 48.248                                 | -0.54%         | -3.42%           |
| 12/23/2019                         | 5200B-5800B | 18.7                                | 5785                     | 5.943                                 | 46.545                                   | 5.982                               | 48.220                                 | -0.65%         | -3.47%           |
|                                    |             |                                     | 5800                     | 5.962                                 | 46.529                                   | 6.000                               | 48.200                                 | -0.63%         | -3.47%           |
|                                    |             |                                     | 5805                     | 5.974                                 | 46.519                                   | 6.006                               | 48.193                                 | -0.53%         | -3.47%           |
| 12/23/2019                         | 5200B-5800B | 18.7                                | 5825                     | 6.013                                 | 46.471                                   | 6.029                               | 48.166                                 | -0.27%         | -3.52%           |

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.

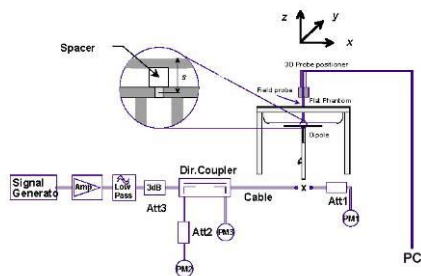
|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 235 of 297                 |

## 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        | 01/16/2020 | 20.7           | 20.7             | 0.200           | 1034      | 7421     | 1.800                             | 8.570                               | 9.000                                   | 5.02%                       |
| AM6                                      | 835                    | BODY        | 01/16/2020 | 20.4           | 18.8             | 0.200           | 4d040     | 7427     | 1.770                             | 9.530                               | 8.850                                   | -7.14%                      |
| AM6                                      | 1750                   | BODY        | 01/26/2020 | 19.8           | 19.9             | 0.100           | 1083      | 7427     | 3.690                             | 37.100                              | 36.900                                  | -0.54%                      |
| AM6                                      | 1750                   | BODY        | 01/28/2020 | 21.9           | 19.0             | 0.100           | 1083      | 7427     | 3.700                             | 37.100                              | 37.000                                  | -0.27%                      |
| AM2                                      | 1900                   | BODY        | 01/18/2020 | 19.9           | 20.5             | 0.100           | 5d026     | 7420     | 4.190                             | 39.900                              | 41.900                                  | 5.01%                       |
| AM2                                      | 1900                   | BODY        | 01/20/2020 | 22.3           | 20.0             | 0.100           | 5d026     | 7420     | 4.020                             | 39.900                              | 40.200                                  | 0.75%                       |
| 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        | 01/26/2020 | 23.1           | 21.1             | 0.100           | 1038      | 7532     | 4.410                             | 46.700                              | 44.100                                  | -5.57%                      |
| AM4                                      | 2450                   | BODY        | 12/18/2019 | 20.6           | 21.6             | 0.100           | 921       | 7532     | 5.320                             | 50.800                              | 53.200                                  | 4.72%                       |
| 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        | 01/24/2020 | 22.5           | 20.9             | 0.100           | 945       | 7532     | 5.220                             | 49.400                              | 52.200                                  | 5.67%                       |
| AM3                                      | 2450                   | BODY        | 01/27/2020 | 21.9           | 20.4             | 0.100           | 945       | 3949     | 5.290                             | 49.400                              | 52.900                                  | 7.09%                       |
| AM4                                      | 2600                   | BODY        | 01/24/2020 | 22.5           | 20.9             | 0.100           | 1009      | 7532     | 5.700                             | 55.500                              | 57.000                                  | 2.70%                       |
| AM3                                      | 2600                   | BODY        | 01/27/2020 | 21.9           | 20.4             | 0.100           | 1009      | 3949     | 5.340                             | 55.500                              | 53.400                                  | -3.78%                      |
| 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        | 12/23/2019 | 21.1           | 19.5             | 0.050           | 1123      | 7491     | 3.750                             | 74.000                              | 75.000                                  | 1.35%                       |
| AM5                                      | 5600                   | BODY        | 12/23/2019 | 21.1           | 19.5             | 0.050           | 1123      | 7491     | 4.020                             | 77.600                              | 80.400                                  | 3.61%                       |
| AM5                                      | 5750                   | BODY        | 12/23/2019 | 21.1           | 19.5             | 0.050           | 1123      | 7491     | 3.580                             | 74.700                              | 71.600                                  | -4.15%                      |



**Figure 9-1  
System Verification Setup Diagram**



**Figure 9-2  
System Verification Setup Photo**

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 236 of 297                 |

# 10 SAR DATA SUMMARY

## 10.1 Standalone Body 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. |         |         |                             |                       |                  |          |         |                 |                      |                 |            |        | (W/kg)   |                | (W/kg)            | (W/kg)    |                    |      |
| 824.20                                   | 128 | GSM 850 | GPRS    | 26.70                       | 26.70                 | -0.03            | Body     | 0 mm    | Ant 1           | DLX2V01BPQLD         | 2               | 1:4:15     | back   | 0.913    | 1.000          | 0.913             | 0.341     | 0.341              |      |
| 836.60                                   | 190 | GSM 850 | GPRS    | 26.70                       | 26.61                 | -0.02            | Body     | 0 mm    | Ant 1           | DLX2V01BPQLD         | 2               | 1:4:15     | back   | 0.853    | 1.021          | 0.871             | 0.323     | 0.330              |      |
| 848.80                                   | 251 | GSM 850 | GPRS    | 26.70                       | 26.70                 | 0.07             | Body     | 0 mm    | Ant 1           | DLX2V01BPQLD         | 2               | 1:4:15     | back   | 0.844    | 1.000          | 0.844             | 0.319     | 0.319              |      |
| 836.60                                   | 190 | GSM 850 | GPRS    | 26.70                       | 26.61                 | 0.06             | Body     | 0 mm    | Ant 1           | DLX2V01BPQLD         | 2               | 1:4:15     | top    | 0.051    | 1.021          | 0.052             | 0.023     | 0.023              |      |
| 836.60                                   | 190 | GSM 850 | GPRS    | 26.70                       | 26.61                 | 0.02             | Body     | 0 mm    | Ant 1           | DLX2V01BPQLD         | 2               | 1:4:15     | bottom | 0.332    | 1.021          | 0.339             | 0.115     | 0.117              |      |
| 836.60                                   | 190 | GSM 850 | GPRS    | 26.70                       | 26.61                 | 0.01             | Body     | 0 mm    | Ant 1           | DLX2V01BPQLD         | 2               | 1:4:15     | right  | 0.006    | 1.021          | 0.006             | 0.003     | 0.003              |      |
| 824.20                                   | 128 | GSM 850 | GPRS    | 26.70                       | 26.70                 | 0.04             | Body     | 0 mm    | Ant 1           | DLX2V01BPQLD         | 2               | 1:4:15     | left   | 1.080    | 1.000          | 1.080             | 0.360     | 0.360              | A1   |
| 836.60                                   | 190 | GSM 850 | GPRS    | 26.70                       | 26.61                 | -0.11            | Body     | 0 mm    | Ant 1           | DLX2V01BPQLD         | 2               | 1:4:15     | left   | 1.000    | 1.021          | 1.021             | 0.340     | 0.347              |      |
| 848.80                                   | 251 | GSM 850 | GPRS    | 26.70                       | 26.70                 | -0.18            | Body     | 0 mm    | Ant 1           | DLX2V01BPQLD         | 2               | 1:4:15     | left   | 0.956    | 1.000          | 0.956             | 0.322     | 0.322              |      |
| 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 10-2**  
**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                       | 26.88                 | -0.05            | Body     | 0 mm    | Ant 3           | DLX2V01PQLD          | 2               | 1:4:15     | back   | 0.788                | 1.294          | 1.020             | 0.406     | 0.525              |        |
| 836.60                                   | 190 | GSM 850 | GPRS    | 28.00                       | 26.73                 | -0.02            | Body     | 0 mm    | Ant 3           | DLX2V01PQLD          | 2               | 1:4:15     | back   | 0.737                | 1.340          | 0.988             | 0.391     | 0.524              |        |
| 848.80                                   | 251 | GSM 850 | GPRS    | 28.00                       | 26.67                 | 0.00             | Body     | 0 mm    | Ant 3           | DLX2V01PQLD          | 2               | 1:4:15     | back   | 0.674                | 1.358          | 0.915             | 0.363     | 0.493              |        |
| 836.60                                   | 190 | GSM 850 | GPRS    | 28.00                       | 26.73                 | -0.03            | Body     | 0 mm    | Ant 3           | DLX2V01PQLD          | 2               | 1:4:15     | top    | 0.412                | 1.340          | 0.552             | 0.138     | 0.185              |        |
| 836.60                                   | 190 | GSM 850 | GPRS    | 28.00                       | 26.73                 | -0.09            | Body     | 0 mm    | Ant 3           | DLX2V01PQLD          | 2               | 1:4:15     | bottom | 0.014                | 1.340          | 0.019             | 0.007     | 0.009              |        |
| 824.20                                   | 128 | GSM 850 | GPRS    | 28.00                       | 26.88                 | 0.09             | Body     | 0 mm    | Ant 3           | DLX2V01PQLD          | 2               | 1:4:15     | right  | 0.833                | 1.294          | 1.078             | 0.310     | 0.401              |        |
| 836.60                                   | 190 | GSM 850 | GPRS    | 28.00                       | 26.73                 | 0.05             | Body     | 0 mm    | Ant 3           | DLX2V01PQLD          | 2               | 1:4:15     | right  | 0.743                | 1.340          | 0.996             | 0.290     | 0.375              |        |
| 848.80                                   | 251 | GSM 850 | GPRS    | 28.00                       | 26.67                 | -0.11            | Body     | 0 mm    | Ant 3           | DLX2V01PQLD          | 2               | 1:4:15     | right  | 0.715                | 1.358          | 0.971             | 0.265     | 0.360              |        |
| 836.60                                   | 190 | GSM 850 | GPRS    | 28.00                       | 26.73                 | 0.14             | Body     | 0 mm    | Ant 3           | DLX2V01PQLD          | 2               | 1:4:15     | left   | 0.006                | 1.340          | 0.008             | 0.003     | 0.004              |        |
| 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 10-3**  
**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                       | 20.85                 | -0.03            | Body     | 0 mm    | Ant 2a          | DLX2V0GPQLD          | 2               | 1:4:15     | back   | 0.968                | 1.035          | 1.002             | 0.457     | 0.473              |        |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 21.00                       | 20.90                 | 0.01             | Body     | 0 mm    | Ant 2a          | DLX2V0GPQLD          | 2               | 1:4:15     | back   | 0.923                | 1.023          | 0.944             | 0.458     | 0.469              |        |
| 1909.80                                  | 810 | GSM 1900 | GPRS    | 21.00                       | 20.90                 | 0.09             | Body     | 0 mm    | Ant 2a          | DLX2V0GPQLD          | 2               | 1:4:15     | back   | 0.930                | 1.023          | 0.951             | 0.395     | 0.404              |        |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 21.00                       | 20.90                 | 0.02             | Body     | 0 mm    | Ant 2a          | DLX2V0GPQLD          | 2               | 1:4:15     | top    | 0.012                | 1.023          | 0.012             | 0.005     | 0.005              |        |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 21.00                       | 20.90                 | -0.07            | Body     | 0 mm    | Ant 2a          | DLX2V0GPQLD          | 2               | 1:4:15     | bottom | 0.329                | 1.023          | 0.337             | 0.115     | 0.118              |        |
| 1850.20                                  | 512 | GSM 1900 | GPRS    | 21.00                       | 20.85                 | -0.09            | Body     | 0 mm    | Ant 2a          | DLX2V0GPQLD          | 2               | 1:4:15     | right  | 0.784                | 1.035          | 0.811             | 0.323     | 0.334              |        |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 21.00                       | 20.90                 | 0.04             | Body     | 0 mm    | Ant 2a          | DLX2V0GPQLD          | 2               | 1:4:15     | right  | 0.843                | 1.023          | 0.862             | 0.343     | 0.351              |        |
| 1909.80                                  | 810 | GSM 1900 | GPRS    | 21.00                       | 20.90                 | 0.11             | Body     | 0 mm    | Ant 2a          | DLX2V0GPQLD          | 2               | 1:4:15     | right  | 0.701                | 1.023          | 0.717             | 0.294     | 0.301              |        |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 21.00                       | 20.90                 | 0.02             | Body     | 0 mm    | Ant 2a          | DLX2V0GPQLD          | 2               | 1:4:15     | left   | 0.000                | 1.023          | 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 |                |                   |           |                    |        |

|                                         |                                                                                     |                            |                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------------|---------------------------------|
| FCC ID: BCGA2069                        |  |                            | SAR EVALUATION REPORT | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                              | DUT Type:<br>Tablet Device | Page 237 of 297       |                                 |

**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) | Pilot # |
| MHz                                                   | Ch. |          |         |                             |                       |                  |          |                                                 |                 |                      |                 |            |        |                    |                |                             |                    |                             |         |
| 1850.20                                               | 512 | GSM 1900 | GPRS    | 20.00                       | 19.87                 | -0.10            | Body     | 0 mm                                            | Ant 2b          | DLX2V00JPQLD         | 2               | 1:4:15     | back   | 0.839              | 1.030          | 0.864                       | 0.337              | 0.347                       |         |
| 1880.00                                               | 661 | GSM 1900 | GPRS    | 20.00                       | 19.87                 | -0.09            | Body     | 0 mm                                            | Ant 2b          | DLX2V00JPQLD         | 2               | 1:4:15     | back   | 0.846              | 1.030          | 0.871                       | 0.338              | 0.348                       |         |
| 1909.80                                               | 810 | GSM 1900 | GPRS    | 20.00                       | 19.88                 | -0.11            | Body     | 0 mm                                            | Ant 2b          | DLX2V00JPQLD         | 2               | 1:4:15     | back   | 0.902              | 1.028          | 0.927                       | 0.360              | 0.370                       |         |
| 1880.00                                               | 661 | GSM 1900 | GPRS    | 20.00                       | 19.87                 | 0.09             | Body     | 0 mm                                            | Ant 2b          | DLX2V00JPQLD         | 2               | 1:4:15     | top    | 0.000              | 1.030          | 0.000                       | 0.000              | 0.000                       |         |
| 1880.00                                               | 661 | GSM 1900 | GPRS    | 20.00                       | 19.87                 | -0.06            | Body     | 0 mm                                            | Ant 2b          | DLX2V00JPQLD         | 2               | 1:4:15     | bottom | 0.541              | 1.030          | 0.557                       | 0.215              | 0.221                       |         |
| 1880.00                                               | 661 | GSM 1900 | GPRS    | 20.00                       | 19.87                 | -0.08            | Body     | 0 mm                                            | Ant 2b          | DLX2V00JPQLD         | 2               | 1:4:15     | right  | 0.022              | 1.030          | 0.023                       | 0.010              | 0.010                       |         |
| 1880.00                                               | 661 | GSM 1900 | GPRS    | 20.00                       | 19.87                 | 0.09             | Body     | 0 mm                                            | Ant 2b          | DLX2V00JPQLD         | 2               | 1:4:15     | left   | 0.005              | 1.030          | 0.005                       | 0.002              | 0.002                       |         |
| 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) | Pilot # |
| MHz                                                   | Ch. |          |         |                             |                       |                  |          |         |                 |                                         |                 |            |        |                 |                |                          |                  |                           |         |
| 1850.20                                               | 512 | GSM 1900 | GPRS    | 20.30                       | 20.26                 | -0.13            | Body     | 0 mm    | Ant 4a          | DLX2V0GPQLD                             | 2               | 1:4:15     | back   | 0.920           | 1.009          | 0.928                    | 0.443            | 0.447                     |         |
| 1880.00                                               | 661 | GSM 1900 | GPRS    | 20.30                       | 20.29                 | -0.02            | Body     | 0 mm    | Ant 4a          | DLX2V0GPQLD                             | 2               | 1:4:15     | back   | 0.906           | 1.002          | 0.908                    | 0.447            | 0.448                     |         |
| 1909.80                                               | 810 | GSM 1900 | GPRS    | 20.30                       | 20.28                 | -0.03            | Body     | 0 mm    | Ant 4a          | DLX2V0GPQLD                             | 2               | 1:4:15     | back   | 0.930           | 1.005          | 0.935                    | 0.449            | 0.451                     |         |
| 1880.00                                               | 661 | GSM 1900 | GPRS    | 20.30                       | 20.29                 | -0.06            | Body     | 0 mm    | Ant 4a          | DLX2V0GPQLD                             | 2               | 1:4:15     | top    | 0.271           | 1.002          | 0.272                    | 0.099            | 0.099                     |         |
| 1880.00                                               | 661 | GSM 1900 | GPRS    | 20.30                       | 20.29                 | 0.10             | Body     | 0 mm    | Ant 4a          | DLX2V0GPQLD                             | 2               | 1:4:15     | bottom | 0.012           | 1.002          | 0.012                    | 0.004            | 0.004                     |         |
| 1880.00                                               | 661 | GSM 1900 | GPRS    | 20.30                       | 20.29                 | 0.00             | Body     | 0 mm    | Ant 4a          | DLX2V0GPQLD                             | 2               | 1:4:15     | right  | 0.000           | 1.002          | 0.000                    | 0.000            | 0.000                     |         |
| 1880.00                                               | 661 | GSM 1900 | GPRS    | 20.30                       | 20.29                 | 0.03             | Body     | 0 mm    | Ant 4a          | DLX2V0GPQLD                             | 2               | 1:4:15     | left   | 0.792           | 1.002          | 0.794                    | 0.316            | 0.317                     |         |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |     |          |         |                             |                       |                  |          |         |                 | 1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |            |        |                 |                |                          |                  |                           |         |
| Uncontrolled Exposure/General Population              |     |          |         |                             |                       |                  |          |         |                 |                                         |                 |            |        |                 |                |                          |                  |                           |         |

**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) | Pilot # |
| MHz                                      | Ch. |          |         |                             |                       |                  |          |         |                 |                      |                 |            |        |                 |                |                          |                  |                           |         |
| 1850.20                                  | 512 | GSM 1900 | GPRS    | 19.50                       | 19.32                 | -0.03            | Body     | 0 mm    | Ant 4b          | DLX2V0BPQLD          | 2               | 1:4:15     | back   | 0.966           | 1.042          | 1.007                    | 0.384            | 0.400                     |         |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 19.50                       | 19.30                 | -0.06            | Body     | 0 mm    | Ant 4b          | DLX2V0BPQLD          | 2               | 1:4:15     | back   | 0.966           | 1.047          | 1.011                    | 0.361            | 0.399                     |         |
| 1909.80                                  | 810 | GSM 1900 | GPRS    | 19.50                       | 19.29                 | -0.07            | Body     | 0 mm    | Ant 4b          | DLX2V0BPQLD          | 2               | 1:4:15     | back   | 0.983           | 1.050          | 1.032                    | 0.385            | 0.404                     | A2      |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 19.50                       | 19.30                 | -0.04            | Body     | 0 mm    | Ant 4b          | DLX2V0BPQLD          | 2               | 1:4:15     | top    | 0.529           | 1.047          | 0.554                    | 0.206            | 0.218                     |         |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 19.50                       | 19.30                 | -0.04            | Body     | 0 mm    | Ant 4b          | DLX2V0BPQLD          | 2               | 1:4:15     | bottom | 0.000           | 1.047          | 0.000                    | 0.000            | 0.000                     |         |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 19.50                       | 19.30                 | 0.03             | Body     | 0 mm    | Ant 4b          | DLX2V0BPQLD          | 2               | 1:4:15     | right  | 0.004           | 1.047          | 0.004                    | 0.001            | 0.001                     |         |
| 1880.00                                  | 661 | GSM 1900 | GPRS    | 19.50                       | 19.30                 | 0.08             | Body     | 0 mm    | Ant 4b          | DLX2V0BPQLD          | 2               | 1:4:15     | left   | 0.016           | 1.047          | 0.017                    | 0.006            | 0.006                     |         |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |          |         |                             |                       |                  |          |         |                 |                      |                 |            |        |                 |                |                          |                  |                           |         |
| 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)<br>(W/kg) | Scaling Factor | Reported SAR (lg)<br>(W/kg) | SAR (2lg)<br>(W/kg) | Reported SAR (2lg)<br>(W/kg) | Pilot # |
| MHz                                                                                               | Ch.  |          |         |                             |                       |                  |          |         |                 |                      |            |                                                 |                    |                |                             |                     |                              |         |
| 836.60                                                                                            | 4183 | UMTS 850 | RMC     | 20.70                       | 20.45                 | -0.03            | Body     | 0 mm    | Ant 1           | DLX2V01BPQLD         | 1:1        | back                                            | 0.595              | 1.059          | 0.630                       | 0.238               | 0.252                        |         |
| 836.60                                                                                            | 4183 | UMTS 850 | RMC     | 20.70                       | 20.45                 | -0.06            | Body     | 0 mm    | Ant 1           | DLX2V01BPQLD         | 1:1        | top                                             | 0.038              | 1.059          | 0.040                       | 0.018               | 0.019                        |         |
| 836.60                                                                                            | 4183 | UMTS 850 | RMC     | 20.70                       | 20.45                 | -0.11            | Body     | 0 mm    | Ant 1           | DLX2V01BPQLD         | 1:1        | bottom                                          | 0.354              | 1.059          | 0.375                       | 0.120               | 0.127                        |         |
| 836.60                                                                                            | 4183 | UMTS 850 | RMC     | 20.70                       | 20.45                 | 0.04             | Body     | 0 mm    | Ant 1           | DLX2V01BPQLD         | 1:1        | right                                           | 0.006              | 1.059          | 0.006                       | 0.003               | 0.003                        |         |
| 826.40                                                                                            | 4132 | UMTS 850 | RMC     | 20.70                       | 20.42                 | -0.02            | Body     | 0 mm    | Ant 1           | DLX2V01BPQLD         | 1:1        | left                                            | 1.090              | 1.067          | 1.163                       | 0.365               | 0.389                        |         |
| 836.60                                                                                            | 4183 | UMTS 850 | RMC     | 20.70                       | 20.45                 | 0.02             | Body     | 0 mm    | Ant 1           | DLX2V01BPQLD         | 1:1        | left                                            | 1.100              | 1.059          | 1.165                       | 0.376               | 0.398                        | A3      |
| 846.60                                                                                            | 4233 | UMTS 850 | RMC     | 20.70                       | 20.31                 | 0.01             | Body     | 0 mm    | Ant 1           | DLX2V01BPQLD         | 1:1        | left                                            | 1.000              | 1.094          | 1.094                       | 0.343               | 0.375                        |         |
| 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: BCGA2069                        |  | SAR EVALUATION REPORT      |                 | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                              | DUT Type:<br>Tablet Device | Page 238 of 297 |                                 |

**Table 10-8**  
**UMTS 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 | Duty Cycle | Side                 | SAR (1g) | Scaling Factor | Reported SAR (1g) | SAR (10g) | Reported SAR (10g) | Pilot # |
| MHz                                      | Ch.  |          |         |                             |                       |                  |          |         |                 |                      |            |                      | (W/kg)   |                | (W/kg)            | (W/kg)    | (W/kg)             |         |
| 826.40                                   | 4132 | UMTS 850 | RMC     | 21.80                       | 20.82                 | 0.12             | Body     | 0 mm    | Ant 3           | DLXZV01PQLD          | 1:1        | back                 | 0.856    | 1.253          | 1.073             | 0.461     | 0.578              |         |
| 836.60                                   | 4183 | UMTS 850 | RMC     | 21.80                       | 20.80                 | -0.03            | Body     | 0 mm    | Ant 3           | DLXZV01PQLD          | 1:1        | back                 | 0.754    | 1.259          | 0.949             | 0.396     | 0.499              |         |
| 846.60                                   | 4233 | UMTS 850 | RMC     | 21.80                       | 20.81                 | 0.03             | Body     | 0 mm    | Ant 3           | DLXZV01PQLD          | 1:1        | back                 | 0.755    | 1.256          | 0.948             | 0.396     | 0.497              |         |
| 836.60                                   | 4183 | UMTS 850 | RMC     | 21.80                       | 20.80                 | -0.11            | Body     | 0 mm    | Ant 3           | DLXZV01PQLD          | 1:1        | top                  | 0.463    | 1.259          | 0.583             | 0.154     | 0.194              |         |
| 836.60                                   | 4183 | UMTS 850 | RMC     | 21.80                       | 20.80                 | 0.13             | Body     | 0 mm    | Ant 3           | DLXZV01PQLD          | 1:1        | bottom               | 0.034    | 1.259          | 0.043             | 0.016     | 0.020              |         |
| 826.40                                   | 4132 | UMTS 850 | RMC     | 21.80                       | 20.82                 | -0.08            | Body     | 0 mm    | Ant 3           | DLXZV01PQLD          | 1:1        | right                | 0.928    | 1.253          | 1.163             | 0.344     | 0.431              |         |
| 836.60                                   | 4183 | UMTS 850 | RMC     | 21.80                       | 20.80                 | -0.07            | Body     | 0 mm    | Ant 3           | DLXZV01PQLD          | 1:1        | right                | 0.847    | 1.259          | 1.066             | 0.317     | 0.399              |         |
| 846.60                                   | 4233 | UMTS 850 | RMC     | 21.80                       | 20.81                 | -0.07            | Body     | 0 mm    | Ant 3           | DLXZV01PQLD          | 1:1        | right                | 0.819    | 1.256          | 1.029             | 0.306     | 0.384              |         |
| 836.60                                   | 4183 | UMTS 850 | RMC     | 21.80                       | 20.80                 | 0.16             | Body     | 0 mm    | Ant 3           | DLXZV01PQLD          | 1:1        | left                 | 0.009    | 1.259          | 0.011             | 0.005     | 0.006              |         |
| 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 10-9**  
**UMTS 1750 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 | Duty Cycle | Slide  | SAR (1g) | Scaling Factor | Reported SAR (1g) (W/kg) | SAR (10g) (W/kg) | Reported SAR (10g) (W/kg) | Pilot # |
| MHz                                                                                               | Ch.  |           |         |                             |                       |                  |          |                                                 |                 |                      |            |        | (W/kg)   |                |                          |                  |                           |         |
| 1712.40                                                                                           | 1312 | UMTS 1750 | RMC     | 15.90                       | 15.84                 | -0.03            | Body     | 0 mm                                            | Ant 2a          | DLXZV01PQLD          | 1:1        | back   | 1.160    | 1.014          | 1.176                    | 0.554            | 0.562                     |         |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 15.90                       | 15.80                 | 0.12             | Body     | 0 mm                                            | Ant 2a          | DLXZV01PQLD          | 1:1        | back   | 1.160    | 1.023          | 1.187                    | 0.555            | 0.568                     | A4      |
| 1752.60                                                                                           | 1513 | UMTS 1750 | RMC     | 15.90                       | 15.70                 | 0.11             | Body     | 0 mm                                            | Ant 2a          | DLXZV01PQLD          | 1:1        | back   | 1.130    | 1.047          | 1.183                    | 0.525            | 0.550                     |         |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 15.90                       | 15.80                 | 0.03             | Body     | 0 mm                                            | Ant 2a          | DLXZV01PQLD          | 1:1        | top    | 0.011    | 1.023          | 0.011                    | 0.004            | 0.004                     |         |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 15.90                       | 15.80                 | -0.12            | Body     | 0 mm                                            | Ant 2a          | DLXZV01PQLD          | 1:1        | bottom | 0.259    | 1.023          | 0.265                    | 0.095            | 0.097                     |         |
| 1712.40                                                                                           | 1312 | UMTS 1750 | RMC     | 15.90                       | 15.84                 | 0.06             | Body     | 0 mm                                            | Ant 2a          | DLXZV01PQLD          | 1:1        | right  | 0.987    | 1.014          | 1.011                    | 0.401            | 0.407                     |         |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 15.90                       | 15.80                 | 0.04             | Body     | 0 mm                                            | Ant 2a          | DLXZV01PQLD          | 1:1        | right  | 0.993    | 1.023          | 1.016                    | 0.398            | 0.407                     |         |
| 1752.60                                                                                           | 1513 | UMTS 1750 | RMC     | 15.90                       | 15.70                 | 0.06             | Body     | 0 mm                                            | Ant 2a          | DLXZV01PQLD          | 1:1        | right  | 0.994    | 1.047          | 1.041                    | 0.396            | 0.415                     |         |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 15.90                       | 15.80                 | -0.01            | Body     | 0 mm                                            | Ant 2a          | DLXZV01PQLD          | 1:1        | left   | 0.000    | 1.023          | 0.000                    | 0.000            | 0.000                     |         |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 15.90                       | 15.80                 | 0.11             | Body     | 0 mm                                            | Ant 2a          | DLXZV01PQLD          | 1:1        | back   | 1.090    | 1.023          | 1.115                    | 0.508            | 0.520                     |         |
| 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 10-10**  
**UMTS 1750 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 | Duty Cycle | Side                                            | SAR (1g) | Scaling Factor | Reported SAR (1g) | SAR (10g) | Reported SAR (10g) | Pilot # |
| MHz                                                                                               | Ch.  |           |         |                             |                       |                  |          |         |                 |                      |            |                                                 | (W/kg)   |                | (W/kg)            | (W/kg)    | (W/kg)             |         |
| 1712.40                                                                                           | 1312 | UMTS 1750 | RMC     | 15.10                       | 15.06                 | 0.01             | Body     | 0 mm    | Ant 2b          | DLXZV01BPQLD         | 1:1        | back                                            | 0.953    | 1.009          | 0.962             | 0.378     | 0.381              |         |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 15.10                       | 14.70                 | 0.01             | Body     | 0 mm    | Ant 2b          | DLXZV01BPQLD         | 1:1        | back                                            | 0.922    | 1.096          | 1.011             | 0.362     | 0.397              |         |
| 1752.60                                                                                           | 1513 | UMTS 1750 | RMC     | 15.10                       | 14.68                 | 0.01             | Body     | 0 mm    | Ant 2b          | DLXZV01BPQLD         | 1:1        | back                                            | 0.865    | 1.102          | 0.953             | 0.338     | 0.372              |         |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 15.10                       | 14.70                 | -0.02            | Body     | 0 mm    | Ant 2b          | DLXZV01BPQLD         | 1:1        | top                                             | 0.002    | 1.096          | 0.002             | 0.000     | 0.000              |         |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 15.10                       | 14.70                 | -0.01            | Body     | 0 mm    | Ant 2b          | DLXZV01BPQLD         | 1:1        | bottom                                          | 0.805    | 1.096          | 0.863             | 0.236     | 0.259              |         |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 15.10                       | 14.70                 | 0.02             | Body     | 0 mm    | Ant 2b          | DLXZV01BPQLD         | 1:1        | right                                           | 0.053    | 1.096          | 0.058             | 0.021     | 0.023              |         |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 15.10                       | 14.70                 | -0.06            | Body     | 0 mm    | Ant 2b          | DLXZV01BPQLD         | 1:1        | left                                            | 0.007    | 1.096          | 0.008             | 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 |          |                |                   |           |                    |         |

**Table 10-11**  
**UMTS 1750 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 | Duty Cycle | Side   | SAR (1g)                                        | Scaling Factor | Reported SAR (1g) | SAR (10g) | Reported SAR (10g) | Pilot |
| MHz                                                                                               | Ch.  |           |         |                             |                       |                  |          |         |                 |                      |            |        | (W/kg)                                          |                | (W/kg)            | (W/kg)    |                    |       |
| 1712.40                                                                                           | 1312 | UMTS 1750 | RMC     | 14.80                       | 14.71                 | -0.05            | Body     | 0 mm    | Ant 4a          | DLXZV01PQLD          | 1:1        | back   | 0.927                                           | 1.021          | 0.946             | 0.445     | 0.454              |       |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 14.80                       | 14.77                 | -0.07            | Body     | 0 mm    | Ant 4a          | DLXZV01PQLD          | 1:1        | back   | 1.100                                           | 1.007          | 1.108             | 0.514     | 0.518              |       |
| 1752.60                                                                                           | 1513 | UMTS 1750 | RMC     | 14.80                       | 14.56                 | -0.09            | Body     | 0 mm    | Ant 4a          | DLXZV01PQLD          | 1:1        | back   | 1.010                                           | 1.057          | 1.068             | 0.479     | 0.506              |       |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 14.80                       | 14.77                 | -0.09            | Body     | 0 mm    | Ant 4a          | DLXZV01PQLD          | 1:1        | top    | 0.262                                           | 1.007          | 0.264             | 0.099     | 0.100              |       |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 14.80                       | 14.77                 | -0.19            | Body     | 0 mm    | Ant 4a          | DLXZV01PQLD          | 1:1        | bottom | 0.013                                           | 1.007          | 0.013             | 0.006     | 0.006              |       |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 14.80                       | 14.77                 | -0.17            | Body     | 0 mm    | Ant 4a          | DLXZV01PQLD          | 1:1        | right  | 0.000                                           | 1.007          | 0.000             | 0.000     | 0.000              |       |
| 1712.40                                                                                           | 1312 | UMTS 1750 | RMC     | 14.80                       | 14.71                 | -0.07            | Body     | 0 mm    | Ant 4a          | DLXZV01PQLD          | 1:1        | left   | 0.894                                           | 1.021          | 0.913             | 0.350     | 0.357              |       |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 14.80                       | 14.77                 | -0.07            | Body     | 0 mm    | Ant 4a          | DLXZV01PQLD          | 1:1        | left   | 0.964                                           | 1.007          | 0.971             | 0.378     | 0.381              |       |
| 1752.60                                                                                           | 1513 | UMTS 1750 | RMC     | 14.80                       | 14.56                 | -0.05            | Body     | 0 mm    | Ant 4a          | DLXZV01PQLD          | 1:1        | left   | 0.954                                           | 1.057          | 1.008             | 0.372     | 0.393              |       |
| 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: BCGA2069                        |  | <b>SAR EVALUATION REPORT</b> |                 | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                              | DUT Type:<br>Tablet Device   | Page 239 of 297 |                                 |

**Table 10-12**  
**UMTS 1750 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 | Duty Cycle | Side   | SAR (2g) | Scaling Factor | Reported SAR (2g) | SAR (10g) | Reported SAR (10g) | Pilot # |
| MHz                                                                                               | Ch.  |           |         |                             |                       |                  |          |                                                 |                 |                      |            |        | (W/kg)   |                | (W/kg)            | (W/kg)    | (W/kg)             |         |
| 1712.40                                                                                           | 1312 | UMTS 1750 | RMC     | 13.50                       | 13.48                 | -0.02            | Body     | 0 mm                                            | Ant 4b          | DLXZV010PQLD         | 1:1        | back   | 0.906    | 1.005          | 0.911             | 0.362     | 0.364              |         |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 13.50                       | 13.30                 | 0.00             | Body     | 0 mm                                            | Ant 4b          | DLXZV010PQLD         | 1:1        | back   | 0.909    | 1.047          | 0.952             | 0.361     | 0.378              |         |
| 1752.60                                                                                           | 1513 | UMTS 1750 | RMC     | 13.50                       | 13.20                 | -0.02            | Body     | 0 mm                                            | Ant 4b          | DLXZV010PQLD         | 1:1        | back   | 0.939    | 1.072          | 1.007             | 0.372     | 0.399              |         |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 13.50                       | 13.30                 | -0.04            | Body     | 0 mm                                            | Ant 4b          | DLXZV010PQLD         | 1:1        | top    | 0.647    | 1.047          | 0.677             | 0.252     | 0.264              |         |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 13.50                       | 13.30                 | 0.01             | Body     | 0 mm                                            | Ant 4b          | DLXZV010PQLD         | 1:1        | bottom | 0.001    | 1.047          | 0.001             | 0.000     | 0.000              |         |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 13.50                       | 13.30                 | 0.08             | Body     | 0 mm                                            | Ant 4b          | DLXZV010PQLD         | 1:1        | right  | 0.001    | 1.047          | 0.001             | 0.000     | 0.000              |         |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 13.50                       | 13.30                 | -0.02            | Body     | 0 mm                                            | Ant 4b          | DLXZV010PQLD         | 1:1        | left   | 0.033    | 1.047          | 0.035             | 0.013     | 0.014              |         |
| 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 10-13**  
**UMTS 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 | Duty Cycle | Side   | SAR (2g) (W/kg) | Scaling Factor | Reported SAR (2g) (W/kg) | SAR (10g) (W/kg) | Reported SAR (10g) (W/kg) | Pilot # |
| MHz                                      | Ch.  |           |         |                             |                       |                  |          |                      |                 |                      |            |        |                 |                |                          |                  |                           |         |
| 1852.40                                  | 9262 | UMTS 1900 | RMC     | 15.00                       | 14.65                 | -0.11            | Body     | 0 mm                 | Ant 2a          | DLXZV01JPQLD         | 1:1        | back   | 1.050           | 1.084          | 1.138                    | 0.530            | 0.575                     |         |
| 1880.00                                  | 9400 | UMTS 1900 | RMC     | 15.00                       | 14.82                 | 0.01             | Body     | 0 mm                 | Ant 2a          | DLXZV01JPQLD         | 1:1        | back   | 1.000           | 1.042          | 1.042                    | 0.509            | 0.530                     |         |
| 1907.60                                  | 9538 | UMTS 1900 | RMC     | 15.00                       | 14.89                 | -0.14            | Body     | 0 mm                 | Ant 2a          | DLXZV01JPQLD         | 1:1        | back   | 1.120           | 1.026          | 1.149                    | 0.569            | 0.584                     |         |
| 1880.00                                  | 9400 | UMTS 1900 | RMC     | 15.00                       | 14.82                 | 0.09             | Body     | 0 mm                 | Ant 2a          | DLXZV01JPQLD         | 1:1        | top    | 0.013           | 1.042          | 0.014                    | 0.006            | 0.006                     |         |
| 1880.00                                  | 9400 | UMTS 1900 | RMC     | 15.00                       | 14.82                 | -0.04            | Body     | 0 mm                 | Ant 2a          | DLXZV01JPQLD         | 1:1        | bottom | 0.359           | 1.042          | 0.374                    | 0.128            | 0.133                     |         |
| 1852.40                                  | 9262 | UMTS 1900 | RMC     | 15.00                       | 14.65                 | 0.00             | Body     | 0 mm                 | Ant 2a          | DLXZV01JPQLD         | 1:1        | right  | 0.878           | 1.084          | 0.952                    | 0.351            | 0.380                     |         |
| 1880.00                                  | 9400 | UMTS 1900 | RMC     | 15.00                       | 14.82                 | -0.01            | Body     | 0 mm                 | Ant 2a          | DLXZV01JPQLD         | 1:1        | right  | 0.931           | 1.042          | 0.970                    | 0.370            | 0.386                     |         |
| 1907.60                                  | 9538 | UMTS 1900 | RMC     | 15.00                       | 14.89                 | 0.01             | Body     | 0 mm                 | Ant 2a          | DLXZV01JPQLD         | 1:1        | right  | 0.983           | 1.026          | 1.009                    | 0.388            | 0.398                     |         |
| 1880.00                                  | 9400 | UMTS 1900 | RMC     | 15.00                       | 14.82                 | 0.09             | Body     | 0 mm                 | Ant 2a          | DLXZV01JPQLD         | 1:1        | left   | 0.000           | 1.042          | 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 Drift (dB) | Position | Spacing | Antenna Config. | Device Serial Number | Duty Cycle | Side                                            | SAR (lg) | Scaling Factor | Reported SAR (lg) | SAR (10g) | Reported SAR (10g) | Pilot # |
| MHz                                                                                               | Ch.  |           |         |                             |                       |                  |          |         |                 |                      |            |                                                 | (W/kg)   |                | (W/kg)            | (W/kg)    |                    |         |
| 1852.40                                                                                           | 9262 | UMTS 1900 | RMC     | 14.00                       | 13.45                 | -0.01            | Body     | 0 mm    | Ant 2b          | DLXZV01BPQLD         | 1:1        | back                                            | 0.979    | 1.135          | 1.111             | 0.396     | 0.449              |         |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 14.00                       | 13.54                 | -0.01            | Body     | 0 mm    | Ant 2b          | DLXZV01BPQLD         | 1:1        | back                                            | 1.050    | 1.112          | 1.168             | 0.422     | 0.469              |         |
| 1907.60                                                                                           | 9538 | UMTS 1900 | RMC     | 14.00                       | 13.90                 | 0.01             | Body     | 0 mm    | Ant 2b          | DLXZV01BPQLD         | 1:1        | back                                            | 1.080    | 1.023          | 1.105             | 0.432     | 0.442              |         |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 14.00                       | 13.54                 | 0.05             | Body     | 0 mm    | Ant 2b          | DLXZV01BPQLD         | 1:1        | top                                             | 0.000    | 1.112          | 0.000             | 0.000     | 0.000              |         |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 14.00                       | 13.54                 | -0.01            | Body     | 0 mm    | Ant 2b          | DLXZV01BPQLD         | 1:1        | bottom                                          | 0.641    | 1.112          | 0.713             | 0.254     | 0.282              |         |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 14.00                       | 13.54                 | 0.13             | Body     | 0 mm    | Ant 2b          | DLXZV01BPQLD         | 1:1        | right                                           | 0.024    | 1.112          | 0.027             | 0.007     | 0.008              |         |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 14.00                       | 13.54                 | 0.06             | Body     | 0 mm    | Ant 2b          | DLXZV01BPQLD         | 1:1        | left                                            | 0.006    | 1.112          | 0.007             | 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 |          |                |                   |           |                    |         |

**Table 10-15**  
**UMTS 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 | Duty Cycle | Side                 | SAR (lg) | Scaling Factor | Reported SAR (lg) | SAR (10g) | Reported SAR (10g) | Pilot # |
| MHz                                      | Ch.  |           |         |                             |                       |                  |          |         |                 |                      |            |                      | (W/kg)   |                | (W/kg)            | (W/kg)    |                    |         |
| 1852.40                                  | 9262 | UMTS 1900 | RMC     | 14.80                       | 14.73                 | -0.01            | Body     | 0 mm    | Ant 4a          | DLXZV01JPQLD         | 1:1        | back                 | 1.170    | 1.016          | 1.189             | 0.572     | 0.581              | AS      |
| 1880.00                                  | 9400 | UMTS 1900 | RMC     | 14.80                       | 14.70                 | 0.01             | Body     | 0 mm    | Ant 4a          | DLXZV01JPQLD         | 1:1        | back                 | 1.160    | 1.023          | 1.187             | 0.562     | 0.575              |         |
| 1907.60                                  | 9538 | UMTS 1900 | RMC     | 14.80                       | 14.75                 | 0.01             | Body     | 0 mm    | Ant 4a          | DLXZV01JPQLD         | 1:1        | back                 | 1.150    | 1.012          | 1.164             | 0.552     | 0.559              |         |
| 1880.00                                  | 9400 | UMTS 1900 | RMC     | 14.80                       | 14.70                 | 0.01             | Body     | 0 mm    | Ant 4a          | DLXZV01JPQLD         | 1:1        | top                  | 0.314    | 1.023          | 0.321             | 0.114     | 0.117              |         |
| 1880.00                                  | 9400 | UMTS 1900 | RMC     | 14.80                       | 14.70                 | -0.10            | Body     | 0 mm    | Ant 4a          | DLXZV01JPQLD         | 1:1        | bottom               | 0.015    | 1.023          | 0.015             | 0.006     | 0.006              |         |
| 1880.00                                  | 9400 | UMTS 1900 | RMC     | 14.80                       | 14.70                 | 0.03             | Body     | 0 mm    | Ant 4a          | DLXZV01JPQLD         | 1:1        | right                | 0.000    | 1.023          | 0.000             | 0.000     | 0.000              |         |
| 1852.40                                  | 9262 | UMTS 1900 | RMC     | 14.80                       | 14.73                 | 0.01             | Body     | 0 mm    | Ant 4a          | DLXZV01JPQLD         | 1:1        | left                 | 0.862    | 1.016          | 0.876             | 0.359     | 0.365              |         |
| 1880.00                                  | 9400 | UMTS 1900 | RMC     | 14.80                       | 14.70                 | -0.02            | Body     | 0 mm    | Ant 4a          | DLXZV01JPQLD         | 1:1        | left                 | 0.896    | 1.023          | 0.917             | 0.370     | 0.379              |         |
| 1907.60                                  | 9538 | UMTS 1900 | RMC     | 14.80                       | 14.75                 | 0.01             | Body     | 0 mm    | Ant 4a          | DLXZV01JPQLD         | 1:1        | left                 | 0.924    | 1.012          | 0.935             | 0.379     | 0.384              |         |
| 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: BCGA2069                        |  | <b>SAR EVALUATION REPORT</b> | <b>Approved by:</b><br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                              | DUT Type:<br>Tablet Device   | Page 240 of 297                        |

**Table 10-16**  
**UMTS 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 | Duty Cycle | Side   | SAR (tag) | Scaling Factor | Reported SAR (tag) | SAR (10g) | Reported SAR (10g) | Plot # |
| MHz                                                                                               | Ch.  |           |         |                             |                       |                  |          |                                                 |                 |                      |            |        | (W/kg)    |                | (W/kg)             | (W/kg)    | (W/kg)             |        |
| 1852.40                                                                                           | 9262 | UMTS 1900 | RMC     | 13.50                       | 13.30                 | 0.08             | Body     | 0 mm                                            | Ant 4b          | DLXZV01BPQLD         | 1:1        | back   | 1.020     | 1.047          | 1.068              | 0.427     | 0.447              |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 13.50                       | 13.25                 | 0.07             | Body     | 0 mm                                            | Ant 4b          | DLXZV01BPQLD         | 1:1        | back   | 1.020     | 1.059          | 1.080              | 0.421     | 0.446              |        |
| 1907.60                                                                                           | 9538 | UMTS 1900 | RMC     | 13.50                       | 13.32                 | 0.07             | Body     | 0 mm                                            | Ant 4b          | DLXZV01BPQLD         | 1:1        | back   | 1.070     | 1.042          | 1.115              | 0.435     | 0.453              |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 13.50                       | 13.25                 | -0.03            | Body     | 0 mm                                            | Ant 4b          | DLXZV01BPQLD         | 1:1        | top    | 0.637     | 1.059          | 0.675              | 0.247     | 0.262              |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 13.50                       | 13.25                 | 0.00             | Body     | 0 mm                                            | Ant 4b          | DLXZV01BPQLD         | 1:1        | bottom | 0.000     | 1.059          | 0.000              | 0.000     | 0.000              |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 13.50                       | 13.25                 | 0.04             | Body     | 0 mm                                            | Ant 4b          | DLXZV01BPQLD         | 1:1        | right  | 0.008     | 1.059          | 0.008              | 0.003     | 0.003              |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 13.50                       | 13.25                 | 0.03             | Body     | 0 mm                                            | Ant 4b          | DLXZV01BPQLD         | 1:1        | left   | 0.024     | 1.059          | 0.025              | 0.011     | 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 10-17**  
**LTE Band 71 Ant 1 Body SAR**

| MEASUREMENT RESULTS                                                                               |       |      |                 |                             |                       |                  |          |                 |                      |                                                 |         |           |         |      |            |           |                |                           |                  |                           |        |    |
|---------------------------------------------------------------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|------------------|----------|-----------------|----------------------|-------------------------------------------------|---------|-----------|---------|------|------------|-----------|----------------|---------------------------|------------------|---------------------------|--------|----|
| FREQUENCY                                                                                         |       | Mode | Bandwidth (MHz) | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Drift (dB) | MPE (dB) | Antenna Config. | Device Serial Number | Modulation                                      | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (tag) | Scaling Factor | Reported SAR (tag) (W/kg) | SAR (10g) (W/kg) | Reported SAR (10g) (W/kg) | Plot # |    |
| MHz                                                                                               | Ch.   |      |                 |                             |                       |                  |          |                 |                      |                                                 |         |           |         |      |            | (W/kg)    |                | (W/kg)                    | (W/kg)           |                           |        |    |
| 680.50                                                                                            | 13297 | Md   | LTE Band 71     | 20                          | 22.40                 | 22.33            | -0.14    | 0               | Ant 1                | DLXZV00QPQLD                                    | QPSK    | 1         | 0       | 0 mm | back       | 1:1       | 0.676          | 1.035                     | 0.667            | 0.305                     | 0.310  |    |
| 680.50                                                                                            | 13297 | Md   | LTE Band 71     | 20                          | 22.40                 | 22.26            | -0.14    | 0               | Ant 1                | DLXZV00QPQLD                                    | QPSK    | 50        | 50      | 0 mm | back       | 1:1       | 0.646          | 1.033                     | 0.667            | 0.294                     | 0.304  |    |
| 680.50                                                                                            | 13297 | Md   | LTE Band 71     | 20                          | 22.40                 | 22.33            | 0.30     | 0               | Ant 1                | DLXZV00QPQLD                                    | QPSK    | 1         | 0       | 0 mm | top        | 1:1       | 0.027          | 1.036                     | 0.027            | 0.013                     | 0.013  |    |
| 680.50                                                                                            | 13297 | Md   | LTE Band 71     | 20                          | 22.40                 | 22.26            | -0.01    | 0               | Ant 1                | DLXZV00QPQLD                                    | QPSK    | 50        | 50      | 0 mm | top        | 1:1       | 0.025          | 1.033                     | 0.026            | 0.011                     | 0.011  |    |
| 680.50                                                                                            | 13297 | Md   | LTE Band 71     | 20                          | 22.40                 | 22.33            | 0.00     | 0               | Ant 1                | DLXZV00QPQLD                                    | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1       | 0.736          | 1.036                     | 0.748            | 0.253                     | 0.257  |    |
| 680.50                                                                                            | 13297 | Md   | LTE Band 71     | 20                          | 22.40                 | 22.26            | 0.07     | 0               | Ant 1                | DLXZV00QPQLD                                    | QPSK    | 50        | 50      | 0 mm | bottom     | 1:1       | 0.746          | 1.033                     | 0.771            | 0.309                     | 0.319  |    |
| 680.50                                                                                            | 13297 | Md   | LTE Band 71     | 20                          | 22.40                 | 22.33            | -0.03    | 0               | Ant 1                | DLXZV00QPQLD                                    | QPSK    | 1         | 0       | 0 mm | right      | 1:1       | 0.035          | 1.036                     | 0.035            | 0.007                     | 0.007  |    |
| 680.50                                                                                            | 13297 | Md   | LTE Band 71     | 20                          | 22.40                 | 22.26            | 0.19     | 0               | Ant 1                | DLXZV00QPQLD                                    | QPSK    | 50        | 50      | 0 mm | right      | 1:1       | 0.007          | 1.033                     | 0.007            | 0.003                     | 0.003  |    |
| 680.50                                                                                            | 13297 | Md   | LTE Band 71     | 20                          | 22.40                 | 22.33            | 0.02     | 0               | Ant 1                | DLXZV00QPQLD                                    | QPSK    | 1         | 0       | 0 mm | left       | 1:1       | 1.120          | 1.036                     | 1.138            | 0.297                     | 0.302  | A6 |
| 680.50                                                                                            | 13297 | Md   | LTE Band 71     | 20                          | 22.40                 | 22.26            | 0.01     | 0               | Ant 1                | DLXZV00QPQLD                                    | QPSK    | 50        | 50      | 0 mm | left       | 1:1       | 0.715          | 1.033                     | 0.739            | 0.236                     | 0.238  |    |
| 680.50                                                                                            | 13297 | Md   | LTE Band 71     | 20                          | 22.40                 | 22.25            | -0.01    | 0               | Ant 1                | DLXZV00QPQLD                                    | QPSK    | 100       | 0       | 0 mm | left       | 1:1       | 0.763          | 1.035                     | 0.790            | 0.243                     | 0.252  |    |
| 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 10-18**  
**LTE Band 71 Ant 3 Body SAR**

| MEASUREMENT RESULTS                                                                               |       |      |                 |                             |                       |                  |          |                 |                      |              |         |                                                 |         |      |            |           |                |                    |           |                    |        |  |
|---------------------------------------------------------------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|------------------|----------|-----------------|----------------------|--------------|---------|-------------------------------------------------|---------|------|------------|-----------|----------------|--------------------|-----------|--------------------|--------|--|
| FREQUENCY                                                                                         |       | Mode | Bandwidth (MHz) | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Drift (dB) | MPE (dB) | Antenna Config. | Device Serial Number | Modulation   | RB Size | RB Offset                                       | Spacing | Side | Duty Cycle | SAR (tag) | Scaling Factor | Reported SAR (tag) | SAR (10g) | Reported SAR (10g) | Plot # |  |
| MHz                                                                                               | Ch.   |      |                 |                             |                       |                  |          |                 |                      |              |         |                                                 |         |      |            | (W/kg)    |                | (W/kg)             | (W/kg)    | (W/kg)             |        |  |
| 680.50                                                                                            | 13297 | Md   | LTE Band 71     | 20                          | 23.00                 | 23.00            | -0.02    | 0               | Ant 3                | DLXZV03QPQLD | QPSK    | 1                                               | 0       | 0 mm | back       | 1:1       | 1.040          | 1.000              | 1.040     | 0.533              | 0.533  |  |
| 680.50                                                                                            | 13297 | Md   | LTE Band 71     | 20                          | 23.00                 | 23.00            | -0.05    | 0               | Ant 3                | DLXZV03QPQLD | QPSK    | 50                                              | 50      | 0 mm | back       | 1:1       | 0.939          | 1.000              | 0.939     | 0.476              | 0.476  |  |
| 680.50                                                                                            | 13297 | Md   | LTE Band 71     | 20                          | 23.00                 | 22.99            | -0.02    | 0               | Ant 3                | DLXZV03QPQLD | QPSK    | 100                                             | 0       | 0 mm | back       | 1:1       | 0.969          | 1.002              | 0.971     | 0.481              | 0.482  |  |
| 680.50                                                                                            | 13297 | Md   | LTE Band 71     | 20                          | 23.00                 | 23.00            | -0.02    | 0               | Ant 3                | DLXZV03QPQLD | QPSK    | 1                                               | 0       | 0 mm | top        | 1:1       | 0.741          | 1.000              | 0.741     | 0.279              | 0.279  |  |
| 680.50                                                                                            | 13297 | Md   | LTE Band 71     | 20                          | 23.00                 | 23.00            | -0.17    | 0               | Ant 3                | DLXZV03QPQLD | QPSK    | 50                                              | 50      | 0 mm | top        | 1:1       | 0.757          | 1.000              | 0.757     | 0.278              | 0.278  |  |
| 680.50                                                                                            | 13297 | Md   | LTE Band 71     | 20                          | 23.00                 | 23.00            | -0.08    | 0               | Ant 3                | DLXZV03QPQLD | QPSK    | 1                                               | 0       | 0 mm | bottom     | 1:1       | 0.021          | 1.000              | 0.021     | 0.011              | 0.011  |  |
| 680.50                                                                                            | 13297 | Md   | LTE Band 71     | 20                          | 23.00                 | 23.00            | 0.02     | 0               | Ant 3                | DLXZV03QPQLD | QPSK    | 50                                              | 50      | 0 mm | bottom     | 1:1       | 0.016          | 1.000              | 0.016     | 0.009              | 0.009  |  |
| 680.50                                                                                            | 13297 | Md   | LTE Band 71     | 20                          | 23.00                 | 23.00            | -0.15    | 0               | Ant 3                | DLXZV03QPQLD | QPSK    | 1                                               | 0       | 0 mm | right      | 1:1       | 0.786          | 1.000              | 0.786     | 0.267              | 0.267  |  |
| 680.50                                                                                            | 13297 | Md   | LTE Band 71     | 20                          | 23.00                 | 23.00            | -0.14    | 0               | Ant 3                | DLXZV03QPQLD | QPSK    | 50                                              | 50      | 0 mm | right      | 1:1       | 0.653          | 1.000              | 0.653     | 0.225              | 0.225  |  |
| 680.50                                                                                            | 13297 | Md   | LTE Band 71     | 20                          | 23.00                 | 23.00            | 0.09     | 0               | Ant 3                | DLXZV03QPQLD | QPSK    | 1                                               | 0       | 0 mm | left       | 1:1       | 0.007          | 1.000              | 0.007     | 0.003              | 0.003  |  |
| 680.50                                                                                            | 13297 | Md   | LTE Band 71     | 20                          | 23.00                 | 23.00            | 0.09     | 0               | Ant 3                | DLXZV03QPQLD | QPSK    | 50                                              | 50      | 0 mm | left       | 1:1       | 0.006          | 1.000              | 0.006     | 0.003              | 0.003  |  |
| 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: BCGA2069                        |  <b>PCTEST</b> |                            | SAR EVALUATION REPORT | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device | Page 241 of 297       |                                 |

Table 10-19  
LTE Band 12 Ant 1 Body SAR

| MEASUREMENT RESULTS                      |       |      |                 |                             |                       |                |          |                 |                      |                      |         |           |         |      |            |          |                |                   |          |                   |        |    |
|------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|----------------|----------|-----------------|----------------------|----------------------|---------|-----------|---------|------|------------|----------|----------------|-------------------|----------|-------------------|--------|----|
| FREQUENCY                                |       | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Out [dB] | MPR [dB] | Antenna Config. | Device Serial Number | Modulation           | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | SAR (1g) | Reported SAR (1g) | Plot # |    |
| MHz                                      | Ch.   |      |                 |                             |                       |                |          |                 |                      |                      |         |           |         |      |            | (W/kg)   |                | (W/kg)            | (W/kg)   | (W/kg)            |        |    |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 21.16          | 0.00     | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 1         | 0       | 0 mm | back       | 1:1      | 0.675          | 1.033             | 0.697    | 0.353             | 0.365  |    |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 20.89          | -0.01    | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 25        | 0       | 0 mm | back       | 1:1      | 0.626          | 1.099             | 0.689    | 0.327             | 0.359  |    |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 21.16          | 0.06     | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 1         | 0       | 0 mm | top        | 1:1      | 0.026          | 1.033             | 0.027    | 0.013             | 0.013  |    |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 20.89          | 0.14     | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 25        | 0       | 0 mm | top        | 1:1      | 0.027          | 1.099             | 0.030    | 0.013             | 0.014  |    |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 21.16          | 0.00     | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1      | 0.498          | 1.033             | 0.514    | 0.205             | 0.212  |    |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 20.89          | 0.00     | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 25        | 0       | 0 mm | bottom     | 1:1      | 0.480          | 1.099             | 0.528    | 0.197             | 0.217  |    |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 21.16          | 0.04     | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 1         | 0       | 0 mm | right      | 1:1      | 0.008          | 1.033             | 0.008    | 0.004             | 0.004  |    |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 20.89          | 0.02     | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 25        | 0       | 0 mm | right      | 1:1      | 0.006          | 1.099             | 0.007    | 0.003             | 0.003  |    |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 21.16          | -0.10    | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 1         | 0       | 0 mm | left       | 1:1      | 1.150          | 1.033             | 1.188    | 0.352             | 0.364  | A7 |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 20.89          | -0.11    | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 25        | 0       | 0 mm | left       | 1:1      | 1.080          | 1.099             | 1.187    | 0.331             | 0.354  |    |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 20.84          | -0.09    | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 50        | 0       | 0 mm | left       | 1:1      | 1.020          | 1.112             | 1.134    | 0.318             | 0.354  |    |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 18.30                 | 18.25          | -0.02    | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 1         | 49      | 0 mm | left       | 1:1      | 0.634          | 1.012             | 0.642    | 0.181             | 0.183  |    |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 18.30                 | 18.18          | 0.02     | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 25        | 0       | 0 mm | left       | 1:1      | 0.670          | 1.028             | 0.689    | 0.189             | 0.194  |    |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.30                 | 21.16          | -0.07    | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 1         | 0       | 0 mm | left       | 1:1      | 1.040          | 1.033             | 1.074    | 0.334             | 0.345  |    |
| 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 10-20  
LTE Band 12 Ant 3 Body SAR

| MEASUREMENT RESULTS                      |       |      |                 |                             |                       |                |          |                 |                      |                      |         |           |         |      |            |          |                |                   |           |                    |        |  |
|------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|----------------|----------|-----------------|----------------------|----------------------|---------|-----------|---------|------|------------|----------|----------------|-------------------|-----------|--------------------|--------|--|
| FREQUENCY                                |       | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Out [dB] | MPR [dB] | Antenna Config. | Device Serial Number | Modulation           | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | SAR (15g) | Reported SAR (15g) | Plot # |  |
| MHz                                      | Ch.   |      |                 |                             |                       |                |          |                 |                      |                      |         |           |         |      |            | (W/kg)   |                | (W/kg)            | (W/kg)    |                    |        |  |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.80                 | 21.68          | -0.07    | 0               | Ant 3                | DLXZV008PQLD         | QPSK    | 1         | 0       | 0 mm | back       | 1:1      | 1.020          | 1.028             | 1.049     | 0.522              | 0.537  |  |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.80                 | 21.68          | -0.08    | 0               | Ant 3                | DLXZV008PQLD         | QPSK    | 25        | 0       | 0 mm | back       | 1:1      | 0.944          | 1.028             | 0.970     | 0.478              | 0.491  |  |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.80                 | 21.57          | -0.07    | 0               | Ant 3                | DLXZV008PQLD         | QPSK    | 50        | 0       | 0 mm | back       | 1:1      | 0.915          | 1.054             | 0.964     | 0.463              | 0.488  |  |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 18.80                 | 18.61          | 0.09     | 0               | Ant 3                | DLXZV008PQLD         | QPSK    | 1         | 0       | 0 mm | back       | 1:1      | 0.493          | 1.045             | 0.515     | 0.265              | 0.277  |  |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 18.80                 | 18.56          | 0.30     | 0               | Ant 3                | DLXZV008PQLD         | QPSK    | 25        | 12      | 0 mm | back       | 1:1      | 0.460          | 1.057             | 0.486     | 0.246              | 0.260  |  |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.80                 | 21.68          | -0.03    | 0               | Ant 3                | DLXZV008PQLD         | QPSK    | 1         | 0       | 0 mm | top        | 1:1      | 0.718          | 1.028             | 0.738     | 0.256              | 0.263  |  |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.80                 | 21.68          | -0.03    | 0               | Ant 3                | DLXZV008PQLD         | QPSK    | 25        | 0       | 0 mm | top        | 1:1      | 0.655          | 1.028             | 0.673     | 0.230              | 0.236  |  |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.80                 | 21.68          | -0.09    | 0               | Ant 3                | DLXZV008PQLD         | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1      | 0.031          | 1.028             | 0.032     | 0.018              | 0.019  |  |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.80                 | 21.68          | 0.30     | 0               | Ant 3                | DLXZV008PQLD         | QPSK    | 25        | 0       | 0 mm | bottom     | 1:1      | 0.031          | 1.028             | 0.032     | 0.018              | 0.019  |  |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.80                 | 21.68          | -0.03    | 0               | Ant 3                | DLXZV008PQLD         | QPSK    | 1         | 0       | 0 mm | right      | 1:1      | 0.844          | 1.028             | 0.868     | 0.296              | 0.304  |  |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.80                 | 21.68          | -0.06    | 0               | Ant 3                | DLXZV008PQLD         | QPSK    | 25        | 0       | 0 mm | right      | 1:1      | 0.756          | 1.028             | 0.776     | 0.266              | 0.273  |  |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.80                 | 21.57          | -0.06    | 0               | Ant 3                | DLXZV008PQLD         | QPSK    | 50        | 0       | 0 mm | right      | 1:1      | 0.800          | 1.054             | 0.843     | 0.281              | 0.296  |  |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 18.80                 | 18.61          | 0.09     | 0               | Ant 3                | DLXZV008PQLD         | QPSK    | 1         | 0       | 0 mm | right      | 1:1      | 0.513          | 1.045             | 0.536     | 0.177              | 0.185  |  |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 18.80                 | 18.56          | 0.05     | 0               | Ant 3                | DLXZV008PQLD         | QPSK    | 25        | 12      | 0 mm | right      | 1:1      | 0.487          | 1.057             | 0.515     | 0.167              | 0.177  |  |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.80                 | 21.68          | 0.09     | 0               | Ant 3                | DLXZV008PQLD         | QPSK    | 1         | 0       | 0 mm | left       | 1:1      | 0.005          | 1.028             | 0.005     | 0.002              | 0.002  |  |
| 707.50                                   | 23095 | Md   | LTE Band 12     | 10                          | 21.80                 | 21.68          | 0.09     | 0               | Ant 3                | DLXZV008PQLD         | QPSK    | 25        | 0       | 0 mm | left       | 1:1      | 0.004          | 1.028             | 0.004     | 0.002              | 0.002  |  |
| 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 10-21  
LTE Band 13 Ant 1 Body SAR

| MEASUREMENT RESULTS                      |       |      |                 |                             |                       |                |          |                 |                      |                      |         |           |         |      |            |          |                |                   |          |                   |        |  |
|------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|----------------|----------|-----------------|----------------------|----------------------|---------|-----------|---------|------|------------|----------|----------------|-------------------|----------|-------------------|--------|--|
| FREQUENCY                                |       | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Out [dB] | MPR [dB] | Antenna Config. | Device Serial Number | Modulation           | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (lg) | Scaling Factor | Reported SAR (lg) | SAR (lg) | Reported SAR (lg) | Plot # |  |
| MHz                                      | Ch.   |      |                 |                             |                       |                |          |                 |                      |                      |         |           |         |      |            | (W/kg)   |                | (W/kg)            | (W/kg)   | (W/kg)            |        |  |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 20.97          | -0.14    | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 1         | 0       | 0 mm | back       | 1:1      | 0.637          | 1.130             | 0.720    | 0.247             | 0.279  |  |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 20.97          | -0.15    | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 25        | 0       | 0 mm | back       | 1:1      | 0.603          | 1.130             | 0.681    | 0.232             | 0.262  |  |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 20.97          | 0.03     | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 1         | 0       | 0 mm | top        | 1:1      | 0.029          | 1.130             | 0.032    | 0.013             | 0.015  |  |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 20.97          | -0.01    | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 25        | 0       | 0 mm | top        | 1:1      | 0.030          | 1.130             | 0.034    | 0.014             | 0.016  |  |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 20.97          | -0.06    | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1      | 0.442          | 1.130             | 0.499    | 0.168             | 0.190  |  |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 20.97          | -0.06    | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 25        | 0       | 0 mm | bottom     | 1:1      | 0.431          | 1.130             | 0.487    | 0.161             | 0.182  |  |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 20.97          | 0.12     | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 1         | 0       | 0 mm | right      | 1:1      | 0.007          | 1.130             | 0.008    | 0.003             | 0.003  |  |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 20.97          | -0.09    | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 25        | 0       | 0 mm | right      | 1:1      | 0.006          | 1.130             | 0.007    | 0.003             | 0.003  |  |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 20.97          | -0.06    | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 1         | 0       | 0 mm | left       | 1:1      | 1.030          | 1.130             | 1.164    | 0.327             | 0.370  |  |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 20.97          | -0.07    | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 25        | 0       | 0 mm | left       | 1:1      | 0.993          | 1.130             | 1.122    | 0.317             | 0.368  |  |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 21.50                 | 20.96          | -0.15    | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 50        | 0       | 0 mm | left       | 1:1      | 1.050          | 1.132             | 1.189    | 0.310             | 0.351  |  |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 18.50                 | 17.80          | -0.02    | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 1         | 0       | 0 mm | left       | 1:1      | 0.632          | 1.175             | 0.741    | 0.188             | 0.221  |  |
| 782.00                                   | 23230 | Md   | LTE Band 13     | 10                          | 18.50                 | 17.99          | 0.02     | 0               | Ant 1                | DLXZV008PQLD         | QPSK    | 25        | 0       | 0 mm | left       | 1:1      | 0.595          | 1.125             | 0.665    | 0.177             | 0.199  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |       |      |                 |                             |                       |                |          |                 |                      | Body                 |         |           |         |      |            |          |                |                   |          |                   |        |  |
| Spatial Peak                             |       |      |                 |                             |                       |                |          |                 |                      | 1.6 W/kg (mW/g)      |         |           |         |      |            |          |                |                   |          |                   |        |  |
| Uncontrolled Exposure/General Population |       |      |                 |                             |                       |                |          |                 |                      | averaged over 1 gram |         |           |         |      |            |          |                |                   |          |                   |        |  |

| MEASUREMENT RESULTS                                   |       |      |                 |                             |                       |                |          |                 |                      |               |         |           |         |      |                          |                  |                |                           |                  |                           |        |    |
|-------------------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|----------------|----------|-----------------|----------------------|---------------|---------|-----------|---------|------|--------------------------|------------------|----------------|---------------------------|------------------|---------------------------|--------|----|
| FREQUENCY                                             |       | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Spd [dB] | MPR [dB] | Antenna Config. | Device Serial Number | Modulation    | RB Size | RB Offset | Spacing | Side | Duty Cycle               | SAR (dB) (mW/kg) | Scaling Factor | Reported SAR [dB] (mW/kg) | SAR (dB) (mW/kg) | Reported SAR [dB] (mW/kg) | Plot # |    |
| MHz                                                   | Ch.   |      |                 |                             |                       |                |          |                 |                      |               |         |           |         |      |                          |                  |                |                           |                  |                           |        |    |
| 782.00                                                | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.54          | -0.17    | 0               | Ant 3                | DLX2V003PQJLD | QPSK    | 1         | 0       | 0 mm | back                     | 1:1              | 1.050          | 1.052                     | 1.126            | 0.545                     | 0.579  | A8 |
| 782.00                                                | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.32          | -0.13    | 0               | Ant 3                | DLX2V003PQJLD | QPSK    | 25        | 12      | 0 mm | back                     | 1:1              | 0.992          | 1.117                     | 1.108            | 0.509                     | 0.569  |    |
| 782.00                                                | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.30          | -0.12    | 0               | Ant 3                | DLX2V003PQJLD | QPSK    | 50        | 0       | 0 mm | back                     | 1:1              | 0.996          | 1.122                     | 1.118            | 0.512                     | 0.574  |    |
| 782.00                                                | 23230 | Md   | LTE Band 13     | 10                          | 18.80                 | 18.79          | 0.09     | 0               | Ant 3                | DLX2V003PQJLD | QPSK    | 1         | 0       | 0 mm | back                     | 1:1              | 0.480          | 1.002                     | 0.481            | 0.242                     | 0.242  |    |
| 782.00                                                | 23230 | Md   | LTE Band 13     | 10                          | 18.80                 | 18.59          | 0.10     | 0               | Ant 3                | DLX2V003PQJLD | QPSK    | 25        | 12      | 0 mm | back                     | 1:1              | 0.428          | 1.050                     | 0.449            | 0.225                     | 0.236  |    |
| 782.00                                                | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.54          | -0.09    | 0               | Ant 3                | DLX2V003PQJLD | QPSK    | 1         | 0       | 0 mm | top                      | 1:1              | 0.961          | 1.062                     | 0.996            | 0.218                     | 0.232  |    |
| 782.00                                                | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.32          | -0.06    | 0               | Ant 3                | DLX2V003PQJLD | QPSK    | 25        | 12      | 0 mm | top                      | 1:1              | 0.952          | 1.117                     | 1.037            | 0.217                     | 0.242  |    |
| 782.00                                                | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.54          | 0.13     | 0               | Ant 3                | DLX2V003PQJLD | QPSK    | 1         | 0       | 0 mm | bottom                   | 1:1              | 0.036          | 1.062                     | 0.038            | 0.017                     | 0.018  |    |
| 782.00                                                | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.32          | 0.10     | 0               | Ant 3                | DLX2V003PQJLD | QPSK    | 25        | 12      | 0 mm | bottom                   | 1:1              | 0.036          | 1.117                     | 0.040            | 0.017                     | 0.019  |    |
| 782.00                                                | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.54          | 0.09     | 0               | Ant 3                | DLX2V003PQJLD | QPSK    | 1         | 0       | 0 mm | right                    | 1:1              | 0.841          | 1.062                     | 0.893            | 0.292                     | 0.310  |    |
| 782.00                                                | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.32          | -0.01    | 0               | Ant 3                | DLX2V003PQJLD | QPSK    | 25        | 12      | 0 mm | right                    | 1:1              | 0.803          | 1.117                     | 0.895            | 0.280                     | 0.313  |    |
| 782.00                                                | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.30          | -0.09    | 0               | Ant 3                | DLX2V003PQJLD | QPSK    | 50        | 0       | 0 mm | right                    | 1:1              | 0.811          | 1.122                     | 0.910            | 0.271                     | 0.304  |    |
| 782.00                                                | 23230 | Md   | LTE Band 13     | 10                          | 18.80                 | 18.79          | 0.09     | 0               | Ant 3                | DLX2V003PQJLD | QPSK    | 1         | 0       | 0 mm | right                    | 1:1              | 0.546          | 1.002                     | 0.547            | 0.176                     | 0.176  |    |
| 782.00                                                | 23230 | Md   | LTE Band 13     | 10                          | 18.80                 | 18.59          | 0.05     | 0               | Ant 3                | DLX2V003PQJLD | QPSK    | 25        | 12      | 0 mm | right                    | 1:1              | 0.503          | 1.050                     | 0.528            | 0.163                     | 0.171  |    |
| 782.00                                                | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.54          | 0.06     | 0               | Ant 3                | DLX2V003PQJLD | QPSK    | 1         | 0       | 0 mm | left                     | 1:1              | 0.006          | 1.062                     | 0.006            | 0.003                     | 0.003  |    |
| 782.00                                                | 23230 | Md   | LTE Band 13     | 10                          | 21.80                 | 21.32          | 0.07     | 0               | Ant 3                | DLX2V003PQJLD | QPSK    | 25        | 12      | 0 mm | left                     | 1:1              | 0.005          | 1.117                     | 0.006            | 0.002                     | 0.002  |    |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT<br>Spatial Peak |       |      |                 |                             |                       |                |          |                 |                      |               |         |           |         |      | Body<br>1.6 W/kg (mW/kg) |                  |                |                           |                  |                           |        |    |
| Uncontrolled Exposure/General Population              |       |      |                 |                             |                       |                |          |                 |                      |               |         |           |         |      | averaged over 1 gram     |                  |                |                           |                  |                           |        |    |

| MEASUREMENT RESULTS                      |       |      |                 |                             |                       |            |          |                 |                      |             |         |           |         |      |            |                      |                |                   |          |                   |       |
|------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|------------|----------|-----------------|----------------------|-------------|---------|-----------|---------|------|------------|----------------------|----------------|-------------------|----------|-------------------|-------|
| FREQUENCY                                |       | Mode | Bandwidth (MHz) | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power (mW) | MPR (dB) | Antenna Config. | Device Serial Number | Modulation  | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (Pa)             | Scaling Factor | Reported SAR (Pa) | SAR (Pa) | Reported SAR (Pa) | Pass  |
| MHz                                      | Ch.   |      |                 |                             |                       |            |          |                 |                      |             |         |           |         |      |            |                      |                |                   |          |                   |       |
| 793.00                                   | 23330 | Md   | LTE Band 14     | 10                          | 21.50                 | 21.31      | -0.04    | 0               | Ant 1                | DUCX00BPQLD | QPSK    | 1         | 25      | 0 mm | back       | 1:1                  | 0.678          | 1.045             | 0.709    | 0.289             | 0.302 |
| 793.00                                   | 23330 | Md   | LTE Band 14     | 10                          | 21.50                 | 21.28      | 0.00     | 0               | Ant 1                | DUCX00BPQLD | QPSK    | 25        | 25      | 0 mm | back       | 1:1                  | 0.542          | 1.052             | 0.570    | 0.288             | 0.303 |
| 793.00                                   | 23330 | Md   | LTE Band 14     | 10                          | 21.50                 | 21.31      | 0.07     | 0               | Ant 1                | DUCX00BPQLD | QPSK    | 1         | 25      | 0 mm | top        | 1:1                  | 0.642          | 1.045             | 0.644    | 0.021             | 0.022 |
| 793.00                                   | 23330 | Md   | LTE Band 14     | 10                          | 21.50                 | 21.29      | 0.09     | 0               | Ant 1                | DUCX00BPQLD | QPSK    | 25        | 25      | 0 mm | top        | 1:1                  | 0.600          | 1.052             | 0.600    | 0.000             | 0.000 |
| 793.00                                   | 23330 | Md   | LTE Band 14     | 10                          | 21.50                 | 21.31      | -0.07    | 0               | Ant 1                | DUCX00BPQLD | QPSK    | 1         | 25      | 0 mm | bottom     | 1:1                  | 0.536          | 1.045             | 0.539    | 0.184             | 0.192 |
| 793.00                                   | 23330 | Md   | LTE Band 14     | 10                          | 21.50                 | 21.28      | -0.05    | 0               | Ant 1                | DUCX00BPQLD | QPSK    | 25        | 25      | 0 mm | bottom     | 1:1                  | 0.570          | 1.052             | 0.600    | 0.196             | 0.208 |
| 793.00                                   | 23330 | Md   | LTE Band 14     | 10                          | 21.50                 | 21.31      | 0.04     | 0               | Ant 1                | DUCX00BPQLD | QPSK    | 1         | 25      | 0 mm | right      | 1:1                  | 0.010          | 1.045             | 0.010    | 0.004             | 0.004 |
| 793.00                                   | 23330 | Md   | LTE Band 14     | 10                          | 21.50                 | 21.29      | -0.04    | 0               | Ant 1                | DUCX00BPQLD | QPSK    | 25        | 25      | 0 mm | right      | 1:1                  | 0.010          | 1.052             | 0.011    | 0.004             | 0.004 |
| 793.00                                   | 23330 | Md   | LTE Band 14     | 10                          | 21.50                 | 21.31      | -0.14    | 0               | Ant 1                | DUCX00BPQLD | QPSK    | 1         | 25      | 0 mm | left       | 1:1                  | 1.030          | 1.045             | 1.078    | 0.362             | 0.378 |
| 793.00                                   | 23330 | Md   | LTE Band 14     | 10                          | 21.50                 | 21.29      | -0.12    | 0               | Ant 1                | DUCX00BPQLD | QPSK    | 25        | 25      | 0 mm | left       | 1:1                  | 0.977          | 1.052             | 1.028    | 0.356             | 0.375 |
| 793.00                                   | 23330 | Md   | LTE Band 14     | 10                          | 21.50                 | 21.27      | -0.15    | 0               | Ant 1                | DUCX00BPQLD | QPSK    | 50        | 0       | 0 mm | left       | 1:1                  | 1.060          | 1.054             | 1.117    | 0.372             | 0.392 |
| 793.00                                   | 23330 | Md   | LTE Band 14     | 10                          | 18.50                 | 18.12      | -0.06    | 0               | Ant 1                | DUCX00BPQLD | QPSK    | 1         | 25      | 0 mm | left       | 1:1                  | 0.999          | 1.091             | 0.654    | 0.180             | 0.196 |
| 793.00                                   | 23330 | Md   | LTE Band 14     | 10                          | 18.50                 | 18.21      | -0.09    | 0               | Ant 1                | DUCX00BPQLD | QPSK    | 25        | 25      | 0 mm | left       | 1:1                  | 0.818          | 1.069             | 0.661    | 0.185             | 0.198 |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT    |       |      |                 |                             |                       |            |          |                 |                      |             |         |           |         |      |            | Body                 |                |                   |          |                   |       |
| Spatial Peak                             |       |      |                 |                             |                       |            |          |                 |                      |             |         |           |         |      |            | 1.6 W/kg (mW/kg)     |                |                   |          |                   |       |
| Uncontrolled Exposure/General Population |       |      |                 |                             |                       |            |          |                 |                      |             |         |           |         |      |            | averaged over 1 gram |                |                   |          |                   |       |

| MEASUREMENT RESULTS                      |       |      |                 |                     |                       |                              |          |                 |                      |             |         |           |         |      |                      |          |                |                    |           |                    |              |    |
|------------------------------------------|-------|------|-----------------|---------------------|-----------------------|------------------------------|----------|-----------------|----------------------|-------------|---------|-----------|---------|------|----------------------|----------|----------------|--------------------|-----------|--------------------|--------------|----|
| FREQUENCY                                |       | Mode | Bandwidth (MHz) | Maximum Power (dBm) | Conducted Power (dBm) | Power Spectral Density (dBm) | MPE (dB) | Antenna Config. | Device Serial Number | Modulation  | RB Size | RB Offset | Spacing | Side | Duty Cycle           | SAR (dB) | Scaling Factor | Reported SAR (dBm) | SAR (dBm) | Reported SAR (dBm) | Pass or Fail |    |
| MHz                                      | Ch.   |      |                 |                     |                       |                              |          |                 |                      |             |         |           |         |      |                      | (W/kg)   |                | (W/kg)             | (W/kg)    | (W/kg)             |              |    |
| 750.00                                   | 23330 | Md   | LTE Band 14     | 10                  | 21.80                 | 21.62                        | -0.02    | 0               | Ant 3                | DLXGV5EPQDL | QPSK    | 1         | 0       | 0 mm | back                 | 1:1      | 1.140          | 1.042              | 1.138     | 0.981              | 0.605        | AO |
| 750.00                                   | 23330 | Md   | LTE Band 14     | 10                  | 21.80                 | 21.50                        | -0.00    | 0               | Ant 3                | DLXGV5EPQDL | QPSK    | 25        | 25      | 0 mm | back                 | 1:1      | 1.090          | 1.072              | 1.158     | 0.945              | 0.854        |    |
| 750.00                                   | 23330 | Md   | LTE Band 14     | 10                  | 21.80                 | 21.46                        | -0.00    | 0               | Ant 3                | DLXGV5EPQDL | QPSK    | 50        | 0       | 0 mm | back                 | 1:1      | 1.080          | 1.083              | 1.167     | 0.943              | 0.587        |    |
| 750.00                                   | 23330 | Md   | LTE Band 14     | 10                  | 18.80                 | 18.95                        | -0.06    | 0               | Ant 3                | DLXGV5EPQDL | QPSK    | 1         | 49      | 0 mm | back                 | 1:1      | 0.462          | 1.099              | 0.489     | 0.239              | 0.253        |    |
| 750.00                                   | 23330 | Md   | LTE Band 14     | 10                  | 18.80                 | 18.86                        | -0.09    | 0               | Ant 3                | DLXGV5EPQDL | QPSK    | 25        | 25      | 0 mm | back                 | 1:1      | 0.468          | 1.052              | 0.492     | 0.241              | 0.254        |    |
| 750.00                                   | 23330 | Md   | LTE Band 14     | 10                  | 21.80                 | 21.62                        | -0.05    | 0               | Ant 3                | DLXGV5EPQDL | QPSK    | 1         | 0       | 0 mm | top                  | 1:1      | 0.529          | 1.042              | 0.561     | 0.188              | 0.196        |    |
| 750.00                                   | 23330 | Md   | LTE Band 14     | 10                  | 21.80                 | 21.50                        | -0.06    | 0               | Ant 3                | DLXGV5EPQDL | QPSK    | 25        | 25      | 0 mm | top                  | 1:1      | 0.527          | 1.072              | 0.565     | 0.190              | 0.204        |    |
| 750.00                                   | 23330 | Md   | LTE Band 14     | 10                  | 21.80                 | 21.62                        | -0.10    | 0               | Ant 3                | DLXGV5EPQDL | QPSK    | 1         | 0       | 0 mm | bottom               | 1:1      | 0.030          | 1.042              | 0.031     | 0.015              | 0.016        |    |
| 750.00                                   | 23330 | Md   | LTE Band 14     | 10                  | 21.80                 | 21.50                        | -0.03    | 0               | Ant 3                | DLXGV5EPQDL | QPSK    | 25        | 25      | 0 mm | bottom               | 1:1      | 0.030          | 1.072              | 0.032     | 0.015              | 0.016        |    |
| 750.00                                   | 23330 | Md   | LTE Band 14     | 10                  | 21.80                 | 21.62                        | -0.07    | 0               | Ant 3                | DLXGV5EPQDL | QPSK    | 1         | 0       | 0 mm | right                | 1:1      | 0.790          | 1.042              | 0.792     | 0.259              | 0.270        |    |
| 750.00                                   | 23330 | Md   | LTE Band 14     | 10                  | 21.80                 | 21.50                        | -0.08    | 0               | Ant 3                | DLXGV5EPQDL | QPSK    | 25        | 25      | 0 mm | right                | 1:1      | 0.744          | 1.072              | 0.798     | 0.252              | 0.270        |    |
| 750.00                                   | 23330 | Md   | LTE Band 14     | 10                  | 21.80                 | 21.62                        | -0.06    | 0               | Ant 3                | DLXGV5EPQDL | QPSK    | 1         | 0       | 0 mm | left                 | 1:1      | 0.006          | 1.042              | 0.006     | 0.003              | 0.003        |    |
| 750.00                                   | 23330 | Md   | LTE Band 14     | 10                  | 21.80                 | 21.50                        | -0.09    | 0               | Ant 3                | DLXGV5EPQDL | QPSK    | 25        | 25      | 0 mm | left                 | 1:1      | 0.006          | 1.072              | 0.006     | 0.003              | 0.003        |    |
| 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: BCGA2069                               |  <b>SAR EVALUATION REPORT</b> |                                   | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                                    | <b>DUT Type:</b><br>Tablet Device | Page 243 of 297                        |

Table 10-25  
LTE Band 26 Ant 1 Body SAR

| MEASUREMENT RESULTS                                                                               |       |      |                    |                                   |                          |                   |          |                  |                         |                                                 |         |           |         |      |            |                   |                   |                               |                   |                               |        |
|---------------------------------------------------------------------------------------------------|-------|------|--------------------|-----------------------------------|--------------------------|-------------------|----------|------------------|-------------------------|-------------------------------------------------|---------|-----------|---------|------|------------|-------------------|-------------------|-------------------------------|-------------------|-------------------------------|--------|
| FREQUENCY                                                                                         |       | Mode | Bandwidth<br>(MHz) | Maximum<br>Allowed<br>Power (dBm) | Conducted<br>Power (dBm) | Power<br>SAR (dB) | MPR (dB) | Antenna<br>Coeff | Device Serial<br>Number | Modulation                                      | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (H)<br>(W/kg) | Scaling<br>Factor | Reported SAR<br>(H)<br>(W/kg) | SAR (H)<br>(W/kg) | Reported SAR<br>(H)<br>(W/kg) | Plot # |
| MHz                                                                                               | Ch    |      |                    |                                   |                          |                   |          |                  |                         |                                                 |         |           |         |      |            |                   |                   |                               |                   |                               |        |
| 844.00                                                                                            | 26990 | High | LTE Band 26 (Cell) | 10                                | 20.70                    | 20.44             | -0.01    | 0                | Ant 1                   | DLX2V007PQLD                                    | QPSK    | 1         | 0       | 0 mm | back       | 1:1               | 0.707             | 1.062                         | 0.751             | 0.305                         | 0.324  |
| 819.00                                                                                            | 26740 | Low  | LTE Band 26 (Cell) | 10                                | 20.70                    | 20.44             | -0.01    | 0                | Ant 1                   | DLX2V007PQLD                                    | QPSK    | 25        | 25      | 0 mm | back       | 1:1               | 0.708             | 1.062                         | 0.752             | 0.303                         | 0.322  |
| 844.00                                                                                            | 26990 | High | LTE Band 26 (Cell) | 10                                | 20.70                    | 20.44             | -0.13    | 0                | Ant 1                   | DLX2V007PQLD                                    | QPSK    | 1         | 0       | 0 mm | top        | 1:1               | 0.042             | 1.062                         | 0.045             | 0.020                         | 0.021  |
| 819.00                                                                                            | 26740 | Low  | LTE Band 26 (Cell) | 10                                | 20.70                    | 20.44             | -0.10    | 0                | Ant 1                   | DLX2V007PQLD                                    | QPSK    | 25        | 25      | 0 mm | top        | 1:1               | 0.042             | 1.062                         | 0.045             | 0.022                         | 0.023  |
| 844.00                                                                                            | 26990 | High | LTE Band 26 (Cell) | 10                                | 20.70                    | 20.44             | -0.05    | 0                | Ant 1                   | DLX2V007PQLD                                    | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1               | 0.391             | 1.062                         | 0.415             | 0.130                         | 0.138  |
| 819.00                                                                                            | 26740 | Low  | LTE Band 26 (Cell) | 10                                | 20.70                    | 20.44             | -0.06    | 0                | Ant 1                   | DLX2V007PQLD                                    | QPSK    | 25        | 25      | 0 mm | bottom     | 1:1               | 0.399             | 1.062                         | 0.381             | 0.121                         | 0.129  |
| 844.00                                                                                            | 26990 | High | LTE Band 26 (Cell) | 10                                | 20.70                    | 20.44             | -0.02    | 0                | Ant 1                   | DLX2V007PQLD                                    | QPSK    | 1         | 0       | 0 mm | right      | 1:1               | 0.011             | 1.062                         | 0.012             | 0.005                         | 0.005  |
| 819.00                                                                                            | 26740 | Low  | LTE Band 26 (Cell) | 10                                | 20.70                    | 20.44             | 0.02     | 0                | Ant 1                   | DLX2V007PQLD                                    | QPSK    | 25        | 25      | 0 mm | right      | 1:1               | 0.006             | 1.062                         | 0.006             | 0.003                         | 0.003  |
| 819.00                                                                                            | 26740 | Low  | LTE Band 26 (Cell) | 10                                | 20.70                    | 20.35             | -0.11    | 0                | Ant 1                   | DLX2V007PQLD                                    | QPSK    | 1         | 49      | 0 mm | left       | 1:1               | 1.090             | 1.084                         | 1.182             | 0.398                         | 0.431  |
| 831.50                                                                                            | 26885 | Mid  | LTE Band 26 (Cell) | 10                                | 20.70                    | 20.34             | -0.08    | 0                | Ant 1                   | DLX2V007PQLD                                    | QPSK    | 1         | 49      | 0 mm | left       | 1:1               | 1.020             | 1.086                         | 1.108             | 0.378                         | 0.411  |
| 844.00                                                                                            | 26990 | High | LTE Band 26 (Cell) | 10                                | 20.70                    | 20.44             | -0.16    | 0                | Ant 1                   | DLX2V007PQLD                                    | QPSK    | 1         | 0       | 0 mm | left       | 1:1               | 1.030             | 1.062                         | 1.094             | 0.376                         | 0.399  |
| 819.00                                                                                            | 26740 | Low  | LTE Band 26 (Cell) | 10                                | 20.70                    | 20.44             | -0.12    | 0                | Ant 1                   | DLX2V007PQLD                                    | QPSK    | 25        | 25      | 0 mm | left       | 1:1               | 1.120             | 1.062                         | 1.189             | 0.410                         | 0.435  |
| 831.50                                                                                            | 26885 | Mid  | LTE Band 26 (Cell) | 10                                | 20.70                    | 20.26             | -0.10    | 0                | Ant 1                   | DLX2V007PQLD                                    | QPSK    | 25        | 25      | 0 mm | left       | 1:1               | 1.010             | 1.107                         | 1.118             | 0.370                         | 0.410  |
| 844.00                                                                                            | 26990 | High | LTE Band 26 (Cell) | 10                                | 20.70                    | 20.30             | -0.11    | 0                | Ant 1                   | DLX2V007PQLD                                    | QPSK    | 25        | 25      | 0 mm | left       | 1:1               | 0.976             | 1.096                         | 1.070             | 0.357                         | 0.391  |
| 819.00                                                                                            | 26740 | Low  | LTE Band 26 (Cell) | 10                                | 20.70                    | 20.41             | -0.09    | 0                | Ant 1                   | DLX2V007PQLD                                    | QPSK    | 50        | 0       | 0 mm | left       | 1:1               | 1.110             | 1.069                         | 1.287             | 0.404                         | 0.432  |
| 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 10-26  
LTE Band 26 Ant 3 Body SAR

| MEASUREMENT RESULTS                      |       |      |                    |                                   |                          |                     |          |                   |                         |                      |         |           |         |      |            |                   |                   |                               |                     |                                 |       |
|------------------------------------------|-------|------|--------------------|-----------------------------------|--------------------------|---------------------|----------|-------------------|-------------------------|----------------------|---------|-----------|---------|------|------------|-------------------|-------------------|-------------------------------|---------------------|---------------------------------|-------|
| FREQUENCY                                |       | Mode | Bandwidth<br>(MHz) | Maximum<br>Allowed<br>Power (dBm) | Conducted<br>Power (dBm) | Power<br>Dens (dBm) | MPR (dB) | Antenna<br>Coeff. | Device Serial<br>Number | Modulation           | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (H)<br>(W/kg) | Scaling<br>Factor | Reported SAR<br>(H)<br>(W/kg) | SAR (Isg)<br>(W/kg) | Reported SAR<br>(Isg)<br>(W/kg) | Plot  |
| MHz                                      | Ch.   |      |                    |                                   |                          |                     |          |                   |                         |                      |         |           |         |      |            |                   |                   |                               |                     |                                 |       |
| 819.00                                   | 26740 | Low  | LTE Band 26 (Cell) | 10                                | 21.5                     | 21.43               | -0.07    | 0                 | Ant 3                   | DLX2V03BPQLD         | QPSK    | 1         | 0       | 0 mm | back       | 1:1               | 1.040             | 1.016                         | 1.057               | 0.536                           | 0.545 |
| 831.50                                   | 26885 | Mid  | LTE Band 26 (Cell) | 10                                | 21.5                     | 21.46               | -0.09    | 0                 | Ant 3                   | DLX2V03BPQLD         | QPSK    | 1         | 0       | 0 mm | back       | 1:1               | 1.020             | 1.009                         | 1.029               | 0.527                           | 0.532 |
| 844.00                                   | 26990 | High | LTE Band 26 (Cell) | 10                                | 21.5                     | 21.47               | -0.12    | 0                 | Ant 3                   | DLX2V03BPQLD         | QPSK    | 1         | 25      | 0 mm | back       | 1:1               | 1.060             | 1.007                         | 1.067               | 0.560                           | 0.564 |
| 819.00                                   | 26740 | Low  | LTE Band 26 (Cell) | 10                                | 21.5                     | 21.35               | -0.08    | 0                 | Ant 3                   | DLX2V03BPQLD         | QPSK    | 25        | 0       | 0 mm | back       | 1:1               | 1.000             | 1.035                         | 1.035               | 0.513                           | 0.531 |
| 831.50                                   | 26885 | Mid  | LTE Band 26 (Cell) | 10                                | 21.5                     | 21.48               | -0.10    | 0                 | Ant 3                   | DLX2V03BPQLD         | QPSK    | 25        | 0       | 0 mm | back       | 1:1               | 1.030             | 1.005                         | 1.035               | 0.533                           | 0.536 |
| 844.00                                   | 26990 | High | LTE Band 26 (Cell) | 10                                | 21.5                     | 21.50               | -0.13    | 0                 | Ant 3                   | DLX2V03BPQLD         | QPSK    | 25        | 12      | 0 mm | back       | 1:1               | 1.070             | 1.000                         | 1.070               | 0.563                           | 0.563 |
| 844.00                                   | 26990 | High | LTE Band 26 (Cell) | 10                                | 21.5                     | 21.36               | -0.11    | 0                 | Ant 3                   | DLX2V03BPQLD         | QPSK    | 50        | 0       | 0 mm | back       | 1:1               | 1.080             | 1.033                         | 1.116               | 0.568                           | 0.576 |
| 844.00                                   | 26990 | High | LTE Band 26 (Cell) | 10                                | 21.5                     | 21.47               | -0.01    | 0                 | Ant 3                   | DLX2V03BPQLD         | QPSK    | 1         | 25      | 0 mm | top        | 1:1               | 0.995             | 1.007                         | 0.999               | 0.196                           | 0.197 |
| 844.00                                   | 26990 | High | LTE Band 26 (Cell) | 10                                | 21.5                     | 21.50               | -0.02    | 0                 | Ant 3                   | DLX2V03BPQLD         | QPSK    | 25        | 12      | 0 mm | top        | 1:1               | 0.600             | 1.000                         | 0.600               | 0.197                           | 0.197 |
| 844.00                                   | 26990 | High | LTE Band 26 (Cell) | 10                                | 21.5                     | 21.47               | -0.10    | 0                 | Ant 3                   | DLX2V03BPQLD         | QPSK    | 1         | 25      | 0 mm | bottom     | 1:1               | 0.031             | 1.007                         | 0.031               | 0.016                           | 0.016 |
| 844.00                                   | 26990 | High | LTE Band 26 (Cell) | 10                                | 21.5                     | 21.50               | -0.15    | 0                 | Ant 3                   | DLX2V03BPQLD         | QPSK    | 25        | 12      | 0 mm | bottom     | 1:1               | 0.031             | 1.000                         | 0.031               | 0.016                           | 0.016 |
| 819.00                                   | 26740 | Low  | LTE Band 26 (Cell) | 10                                | 21.5                     | 21.43               | 0.00     | 0                 | Ant 3                   | DLX2V03BPQLD         | QPSK    | 1         | 0       | 0 mm | right      | 1:1               | 1.060             | 1.016                         | 1.077               | 0.406                           | 0.412 |
| 831.50                                   | 26885 | Mid  | LTE Band 26 (Cell) | 10                                | 21.5                     | 21.46               | 0.00     | 0                 | Ant 3                   | DLX2V03BPQLD         | QPSK    | 1         | 0       | 0 mm | right      | 1:1               | 1.030             | 1.009                         | 1.039               | 0.407                           | 0.411 |
| 844.00                                   | 26990 | High | LTE Band 26 (Cell) | 10                                | 21.5                     | 21.47               | 0.01     | 0                 | Ant 3                   | DLX2V03BPQLD         | QPSK    | 1         | 25      | 0 mm | right      | 1:1               | 0.949             | 1.007                         | 0.956               | 0.372                           | 0.375 |
| 819.00                                   | 26740 | Low  | LTE Band 26 (Cell) | 10                                | 21.5                     | 21.35               | 0.00     | 0                 | Ant 3                   | DLX2V03BPQLD         | QPSK    | 25        | 0       | 0 mm | right      | 1:1               | 1.020             | 1.035                         | 1.066               | 0.396                           | 0.410 |
| 831.50                                   | 26885 | Mid  | LTE Band 26 (Cell) | 10                                | 21.5                     | 21.48               | 0.00     | 0                 | Ant 3                   | DLX2V03BPQLD         | QPSK    | 25        | 0       | 0 mm | right      | 1:1               | 1.050             | 1.005                         | 1.065               | 0.412                           | 0.414 |
| 844.00                                   | 26990 | High | LTE Band 26 (Cell) | 10                                | 21.5                     | 21.50               | 0.01     | 0                 | Ant 3                   | DLX2V03BPQLD         | QPSK    | 25        | 12      | 0 mm | right      | 1:1               | 0.972             | 1.000                         | 0.972               | 0.379                           | 0.379 |
| 844.00                                   | 26990 | High | LTE Band 26 (Cell) | 10                                | 21.5                     | 21.36               | 0.02     | 0                 | Ant 3                   | DLX2V03BPQLD         | QPSK    | 50        | 0       | 0 mm | right      | 1:1               | 0.980             | 1.033                         | 1.012               | 0.382                           | 0.395 |
| 844.00                                   | 26990 | High | LTE Band 26 (Cell) | 10                                | 21.5                     | 21.47               | 0.02     | 0                 | Ant 3                   | DLX2V03BPQLD         | QPSK    | 1         | 25      | 0 mm | left       | 1:1               | 0.009             | 1.007                         | 0.009               | 0.004                           | 0.004 |
| 844.00                                   | 26990 | High | LTE Band 26 (Cell) | 10                                | 21.5                     | 21.50               | -0.10    | 0                 | Ant 3                   | DLX2V03BPQLD         | QPSK    | 25        | 12      | 0 mm | left       | 1:1               | 0.008             | 1.000                         | 0.008               | 0.004                           | 0.004 |
| 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: BCGA2069                        |  |  SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |  |
| Document S/N:<br>1C1912170054-01-R1.BCG |  | Test Dates:<br>12/18/2019 – 01/28/2020                                                                    |  | DUT Type:<br>Tablet Device      |  |
|                                         |  |                                                                                                           |  | Page 244 of 297                 |  |

**Table 10-27**  
**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 Out (dBm) | 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  |     |
|                                          |                   | MHz       | Ch.   |      |                  |                             |                       |                 |          |                 |                      |                      |         |           |         |      |            |                 |                |                          |                 |                          |       |     |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 20.70                 | 20.65           | -0.02    | 0               | Ant 1                | DLX2G50RPQQLD        | QPSK    | 1         | 25      | 0 mm | back       | 1:1             | 0.026          | 1.012                    | 0.836           | 0.327                    | 0.331 |     |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 20.70                 | 20.70           | 0.04     | 0               | Ant 1                | DLX2G50RPQQLD        | QPSK    | 25        | 25      | 0 mm | back       | 1:1             | 0.863          | 1.000                    | 0.863           | 0.339                    | 0.339 |     |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 20.70                 | 20.64           | -0.05    | 0               | Ant 1                | DLX2G50RPQQLD        | QPSK    | 50        | 0       | 0 mm | back       | 1:1             | 0.843          | 1.014                    | 0.855           | 0.331                    | 0.336 |     |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 17.70                 | 17.61           | -0.02    | 0               | Ant 1                | DLX2G50RPQQLD        | QPSK    | 1         | 25      | 0 mm | back       | 1:1             | 0.355          | 1.021                    | 0.362           | 0.168                    | 0.169 |     |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 17.70                 | 17.70           | -0.02    | 0               | Ant 1                | DLX2G50RPQQLD        | QPSK    | 25        | 25      | 0 mm | back       | 1:1             | 0.366          | 1.000                    | 0.366           | 0.171                    | 0.171 |     |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 20.70                 | 20.66           | -0.10    | 0               | Ant 1                | DLX2G50RPQQLD        | QPSK    | 1         | 25      | 0 mm | top        | 1:1             | 0.039          | 1.012                    | 0.039           | 0.021                    | 0.021 |     |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 20.70                 | 20.70           | -0.06    | 0               | Ant 1                | DLX2G50RPQQLD        | QPSK    | 25        | 25      | 0 mm | top        | 1:1             | 0.038          | 1.000                    | 0.038           | 0.021                    | 0.021 |     |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 20.70                 | 20.65           | -0.11    | 0               | Ant 1                | DLX2G50RPQQLD        | QPSK    | 1         | 25      | 0 mm | bottom     | 1:1             | 0.403          | 1.012                    | 0.408           | 0.154                    | 0.156 |     |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 20.70                 | 20.70           | -0.08    | 0               | Ant 1                | DLX2G50RPQQLD        | QPSK    | 25        | 25      | 0 mm | bottom     | 1:1             | 0.426          | 1.000                    | 0.426           | 0.163                    | 0.163 |     |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 20.70                 | 20.65           | -0.05    | 0               | Ant 1                | DLX2G50RPQQLD        | QPSK    | 1         | 25      | 0 mm | right      | 1:1             | 0.005          | 1.012                    | 0.005           | 0.002                    | 0.002 |     |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 20.70                 | 20.70           | -0.05    | 0               | Ant 1                | DLX2G50RPQQLD        | QPSK    | 25        | 25      | 0 mm | right      | 1:1             | 0.007          | 1.000                    | 0.007           | 0.003                    | 0.003 |     |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 20.70                 | 20.66           | -0.02    | 0               | Ant 1                | DLX2G50RPQQLD        | QPSK    | 1         | 25      | 0 mm | left       | 1:1             | 1.090          | 1.012                    | 1.103           | 0.438                    | 0.413 |     |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 20.70                 | 20.70           | -0.09    | 0               | Ant 1                | DLX2G50RPQQLD        | QPSK    | 25        | 25      | 0 mm | left       | 1:1             | 1.130          | 1.000                    | 1.130           | 0.420                    | 0.420 |     |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 20.70                 | 20.64           | 0.11     | 0               | Ant 1                | DLX2G50RPQQLD        | QPSK    | 50        | 0       | 0 mm | left       | 1:1             | 1.140          | 1.014                    | 1.156           | 0.405                    | 0.411 | A11 |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 17.70                 | 17.61           | -0.04    | 0               | Ant 1                | DLX2G50RPQQLD        | QPSK    | 1         | 25      | 0 mm | left       | 1:1             | 0.615          | 1.021                    | 0.628           | 0.206                    | 0.210 |     |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 17.70                 | 17.70           | -0.04    | 0               | Ant 1                | DLX2G50RPQQLD        | QPSK    | 25        | 25      | 0 mm | left       | 1:1             | 0.646          | 1.000                    | 0.646           | 0.213                    | 0.213 |     |
| 2 CC Uplink                              | PCC               | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          |                       | 20.67           | -0.06    | 0               | Ant 1                | DLX2G50RPQQLD        | QPSK    | 50        | 0       | 0 mm | left       | 1:1             | 1.120          | 1.007                    | 1.128           | 0.405                    | 0.408 |     |
| 2 CC Uplink                              | SCC               | 809.30    | 20453 | MM   | LTE Band 5 (Cat) | 5                           |                       |                 |          |                 |                      |                      | 25      | 0         | 0 mm    | left | 1:1        | 1.120           | 1.007          | 1.128                    | 0.405           | 0.408                    |       |     |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 20.70                 | 20.64           | -0.01    | 0               | Ant 1                | DLX2G50RPQQLD        | QPSK    | 50        | 0       | 0 mm | left       | 1:1             | 1.130          | 1.014                    | 1.146           | 0.415                    | 0.421 |     |
| ANSI / IEEE C63.1 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 10-28**  
**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 Out (dBm) | MPR (dB) | Antenna Config.      | Device Serial Number | Modulation    | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (dB) (mW/kg) | Scaling Factor | Reported SAR (dB) (mW/kg) | SAR (dB) (mW/kg) | Reported SAR (dB) (mW/kg) | Plot # |  |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 21.50                 | 20.71           | -0.11    | 0                    | Ant 3                | DLX2G50RPQQLD | QPSK    | 1         | 49      | 0 mm | back       | 1:1              | 0.869          | 1.199                     | 1.042            | 0.449                     | 0.538  |  |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 21.50                 | 20.68           | -0.07    | 0                    | Ant 3                | DLX2G50RPQQLD | QPSK    | 25        | 25      | 0 mm | back       | 1:1              | 0.756          | 1.208                     | 0.913            | 0.404                     | 0.488  |  |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 21.50                 | 20.64           | 0.06     | 0                    | Ant 3                | DLX2G50RPQQLD | QPSK    | 50        | 0       | 0 mm | back       | 1:1              | 0.754          | 1.219                     | 0.919            | 0.405                     | 0.494  |  |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 18.50                 | 17.95           | -0.03    | 0                    | Ant 3                | DLX2G50RPQQLD | QPSK    | 1         | 49      | 0 mm | back       | 1:1              | 0.385          | 1.135                     | 0.437            | 0.206                     | 0.234  |  |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 18.50                 | 18.00           | 0.02     | 0                    | Ant 3                | DLX2G50RPQQLD | QPSK    | 25        | 25      | 0 mm | back       | 1:1              | 0.385          | 1.122                     | 0.432            | 0.206                     | 0.231  |  |
| 2 CC Uplink                              | PCC               | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 21.50                 | 20.65           | 0.01     | 0                    | Ant 3                | DLX2G50RPQQLD | QPSK    | 1         | 49      | 0 mm | back       | 1:1              | 0.817          | 1.216                     | 0.993            | 0.436                     | 0.530  |  |
| 2 CC Uplink                              | SCC               | 843.70    | 20587 | MM   | LTE Band 5 (Cat) | 5                           |                       |                 |          |                      |                      |               | 1       | 0         | 0 mm    | back | 1:1        |                  |                |                           |                  |                           |        |  |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 21.50                 | 20.71           | -0.11    | 0                    | Ant 3                | DLX2G50RPQQLD | QPSK    | 1         | 49      | 0 mm | top        | 1:1              | 0.463          | 1.199                     | 0.554            | 0.189                     | 0.192  |  |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 21.50                 | 20.68           | -0.13    | 0                    | Ant 3                | DLX2G50RPQQLD | QPSK    | 25        | 25      | 0 mm | top        | 1:1              | 0.463          | 1.208                     | 0.559            | 0.199                     | 0.192  |  |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 21.50                 | 20.71           | 0.02     | 0                    | Ant 3                | DLX2G50RPQQLD | QPSK    | 1         | 49      | 0 mm | bottom     | 1:1              | 0.026          | 1.199                     | 0.031            | 0.014                     | 0.017  |  |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 21.50                 | 20.68           | 0.03     | 0                    | Ant 3                | DLX2G50RPQQLD | QPSK    | 25        | 25      | 0 mm | bottom     | 1:1              | 0.023          | 1.208                     | 0.028            | 0.012                     | 0.014  |  |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 21.50                 | 20.71           | -0.05    | 0                    | Ant 3                | DLX2G50RPQQLD | QPSK    | 1         | 49      | 0 mm | right      | 1:1              | 0.744          | 1.199                     | 0.882            | 0.312                     | 0.374  |  |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 21.50                 | 20.68           | -0.06    | 0                    | Ant 3                | DLX2G50RPQQLD | QPSK    | 25        | 25      | 0 mm | right      | 1:1              | 0.740          | 1.208                     | 0.854            | 0.308                     | 0.372  |  |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 21.50                 | 20.64           | 0.04     | 0                    | Ant 3                | DLX2G50RPQQLD | QPSK    | 50        | 0       | 0 mm | right      | 1:1              | 0.746          | 1.219                     | 0.909            | 0.310                     | 0.378  |  |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 18.50                 | 17.95           | -0.04    | 0                    | Ant 3                | DLX2G50RPQQLD | QPSK    | 1         | 49      | 0 mm | right      | 1:1              | 0.448          | 1.135                     | 0.508            | 0.177                     | 0.201  |  |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 18.50                 | 18.00           | 0.01     | 0                    | Ant 3                | DLX2G50RPQQLD | QPSK    | 25        | 25      | 0 mm | right      | 1:1              | 0.459          | 1.122                     | 0.515            | 0.180                     | 0.202  |  |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 21.50                 | 20.71           | -0.06    | 0                    | Ant 3                | DLX2G50RPQQLD | QPSK    | 1         | 49      | 0 mm | left       | 1:1              | 0.004          | 1.199                     | 0.005            | 0.002                     | 0.002  |  |
| 1 CC Uplink                              | NA                | 836.50    | 25525 | MM   | LTE Band 5 (Cat) | 10                          | 21.50                 | 20.68           | 0.01     | 0                    | Ant 3                | DLX2G50RPQQLD | QPSK    | 25        | 25      | 0 mm | left       | 1:1              | 0.005          | 1.208                     | 0.006            | 0.003                     | 0.004  |  |
| 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 10-29**  
**LTE Band 4 Ant 2a 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 (dB) | Reported SAR (dB) | Plot  |
| MHz                                                   | Ch.   |      |                  |                             |                       |                 |          |                 |                      |               |         |           |         |      |                        | (mW/kg)  |                | (mW/kg)           | (mW/kg)  |                   |       |
| 1732.50                                               | 20375 | Md   | LTE Band 4 (AWG) | 20                          | 14.90                 | 14.73           | -0.02    | 0               | Ant 2a               | DLX2G50RPQQLD | QPSK    | 1         | 99      | 0 mm | back                   | 1:1      | 0.991          | 1.040             | 1.031    | 0.461             | 0.479 |
| 1732.50                                               | 20375 | Md   | LTE Band 4 (AWG) | 20                          | 14.90                 | 14.72           | -0.02    | 0               | Ant 2a               | DLX2G50RPQQLD | QPSK    | 50        | 50      | 0 mm | back                   | 1:1      | 0.974          | 1.042             | 1.015    | 0.453             | 0.472 |
| 1732.50                                               | 20375 | Md   | LTE Band 4 (AWG) | 20                          | 14.90                 | 14.58           | -0.03    | 0               | Ant 2a               | DLX2G50RPQQLD | QPSK    | 100       | 0       | 0 mm | back                   | 1:1      | 0.969          | 1.076             | 1.001    | 0.433             | 0.466 |
| 1732.50                                               | 20375 | Md   | LTE Band 4 (AWG) | 20                          | 11.90                 | 11.88           | -0.06    | 0               | Ant 2a               | DLX2G50RPQQLD | QPSK    | 1         | 99      | 0 mm | back                   | 1:1      | 0.989          | 1.009             | 0.971    | 0.175             | 0.177 |
| 1732.50                                               | 20375 | Md   | LTE Band 4 (AWG) | 20                          | 11.90                 | 11.85           | -0.07    | 0               | Ant 2a               | DLX2G50RPQQLD | QPSK    | 50        | 50      | 0 mm | back                   | 1:1      | 0.963          | 1.012             | 0.987    | 0.172             | 0.174 |
| 1732.50                                               | 20375 | Md   | LTE Band 4 (AWG) | 20                          | 14.90                 | 14.73           | 0.04     | 0               | Ant 2a               | DLX2G50RPQQLD | QPSK    | 1         | 99      | 0 mm | top                    | 1:1      | 0.010          | 1.040             | 0.010    | 0.004             | 0.004 |
| 1732.50                                               | 20375 | Md   | LTE Band 4 (AWG) | 20                          | 14.90                 | 14.72           | 0.00     | 0               | Ant 2a               | DLX2G50RPQQLD | QPSK    | 50        | 50      | 0 mm | top                    | 1:1      | 0.009          | 1.042             | 0.009    | 0.003             | 0.003 |
| 1732.50                                               | 20375 | Md   | LTE Band 4 (AWG) | 20                          | 14.90                 | 14.73           | -0.10    | 0               | Ant 2a               | DLX2G50RPQQLD | QPSK    | 1         | 99      | 0 mm | bottom                 | 1:1      | 0.131          | 1.040             | 0.199    | 0.074             | 0.077 |
| 1732.50                                               | 20375 | Md   | LTE Band 4 (AWG) | 20                          | 14.90                 | 14.72           | -0.05    | 0               | Ant 2a               | DLX2G50RPQQLD | QPSK    | 50        | 50      | 0 mm | bottom                 | 1:1      | 0.190          | 1.042             | 0.196    | 0.073             | 0.076 |
| 1732.50                                               | 20375 | Md   | LTE Band 4 (AWG) | 20                          | 14.90                 | 14.73           | 0.18     | 0               | Ant 2a               | DLX2G50RPQQLD | QPSK    | 1         | 99      | 0 mm | right                  | 1:1      | 0.749          | 1.040             | 0.778    | 0.302             | 0.314 |
| 1732.50                                               | 20375 | Md   | LTE Band 4 (AWG) | 20                          | 14.90                 | 14.72           | 0.00     | 0               | Ant 2a               | DLX2G50RPQQLD | QPSK    | 50        | 50      | 0 mm | right                  | 1:1      | 0.746          | 1.042             | 0.777    | 0.298             | 0.311 |
| 1732.50                                               | 20375 | Md   | LTE Band 4 (AWG) | 20                          | 14.90                 | 14.73           | 0.03     | 0               | Ant 2a               | DLX2G50RPQQLD | QPSK    | 1         | 99      | 0 mm | left                   | 1:1      | 0.000          | 1.040             | 0.000    | 0.000             | 0.000 |
| 1732.50                                               | 20375 | Md   | LTE Band 4 (AWG) | 20                          | 14.90                 | 14.72           | 0.07     | 0               | Ant 2a               | DLX2G50RPQQLD | QPSK    | 50        | 50      | 0 mm | left                   | 1:1      | 0.001          | 1.042             | 0.001    | 0.000             | 0.000 |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT<br>Spatial Peak |       |      |                  |                             |                       |                 |          |                 |                      |               |         |           |         |      | Body<br>1.6 W/kg (avg) |          |                |                   |          |                   |       |
| Uncontrolled Exposure/General Population              |       |      |                  |                             |                       |                 |          |                 |                      |               |         |           |         |      | averaged over 10 gsm   |          |                |                   |          |                   |       |

**Table 10-30**  
**LTE Band 4 Ant 2b Body SAR**

| MEASUREMENT RESULTS                      |       |      |                  |                       |                 |           |          |                 |                      |             |         |           |         |      |            |                      |                |                   |           |                    |        |  |
|------------------------------------------|-------|------|------------------|-----------------------|-----------------|-----------|----------|-----------------|----------------------|-------------|---------|-----------|---------|------|------------|----------------------|----------------|-------------------|-----------|--------------------|--------|--|
| FREQUENCY                                |       | Mode | Bandwidth        | Maximum Allowed Power | Conducted Power | Power Out | MPE (dB) | Antenna Config. | Device Serial Number | Modulation  | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (dB)             | Scaling Factor | Reported SAR (dB) | SAR (20g) | Reported SAR (20g) | Plot # |  |
| MHz                                      | Ch.   |      | [MHz]            | [dBm]                 | [dBm]           | [dBm]     |          |                 |                      |             |         |           |         |      |            | (W/kg)               |                | (W/kg)            | (W/kg)    | (W/kg)             |        |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                    | 15.10           | 15.05     | -0.03    | 0               | Ant 2b               | DLX2V03PQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1                  | 0.922          | 1.012             | 0.933     | 0.363              | 0.367  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                    | 15.10           | 15.03     | -0.02    | 0               | Ant 2b               | DLX2V03PQLD | QPSK    | 50        | 50      | 0 mm | back       | 1:1                  | 0.938          | 1.016             | 0.953     | 0.368              | 0.374  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                    | 15.10           | 14.85     | -0.09    | 0               | Ant 2b               | DLX2V03PQLD | QPSK    | 100       | 0       | 0 mm | back       | 1:1                  | 0.933          | 1.059             | 0.988     | 0.367              | 0.389  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                    | 12.10           | 12.08     | 0.06     | 0               | Ant 2b               | DLX2V03PQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1                  | 0.944          | 1.005             | 0.946     | 0.145              | 0.146  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                    | 12.10           | 11.92     | 0.08     | 0               | Ant 2b               | DLX2V03PQLD | QPSK    | 50        | 50      | 0 mm | back       | 1:1                  | 0.945          | 1.042             | 0.939     | 0.146              | 0.152  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                    | 15.10           | 15.05     | 0.03     | 0               | Ant 2b               | DLX2V03PQLD | QPSK    | 1         | 99      | 0 mm | top        | 1:1                  | 0.000          | 1.012             | 0.000     | 0.000              | 0.000  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                    | 15.10           | 15.03     | -0.09    | 0               | Ant 2b               | DLX2V03PQLD | QPSK    | 50        | 50      | 0 mm | top        | 1:1                  | 0.000          | 1.016             | 0.000     | 0.000              | 0.000  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                    | 15.10           | 15.05     | -0.05    | 0               | Ant 2b               | DLX2V03PQLD | QPSK    | 1         | 99      | 0 mm | bottom     | 1:1                  | 0.655          | 1.012             | 0.663     | 0.255              | 0.258  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                    | 15.10           | 15.03     | -0.04    | 0               | Ant 2b               | DLX2V03PQLD | QPSK    | 50        | 50      | 0 mm | bottom     | 1:1                  | 0.644          | 1.016             | 0.654     | 0.250              | 0.254  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                    | 15.10           | 15.05     | -0.01    | 0               | Ant 2b               | DLX2V03PQLD | QPSK    | 1         | 99      | 0 mm | right      | 1:1                  | 0.066          | 1.012             | 0.067     | 0.023              | 0.023  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                    | 15.10           | 15.03     | -0.04    | 0               | Ant 2b               | DLX2V03PQLD | QPSK    | 50        | 50      | 0 mm | right      | 1:1                  | 0.071          | 1.016             | 0.072     | 0.024              | 0.024  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                    | 15.10           | 15.05     | -0.02    | 0               | Ant 2b               | DLX2V03PQLD | QPSK    | 1         | 99      | 0 mm | left       | 1:1                  | 0.014          | 1.012             | 0.014     | 0.007              | 0.007  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                    | 15.10           | 15.03     | -0.09    | 0               | Ant 2b               | DLX2V03PQLD | QPSK    | 50        | 50      | 0 mm | left       | 1:1                  | 0.014          | 1.016             | 0.014     | 0.006              | 0.006  |  |
| 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 10-31**  
**LTE Band 4 Ant 4a Body SAR**

| MEASUREMENT RESULTS                      |       |      |                  |                             |                       |                 |          |                 |                      |             |         |           |         |      |            |                      |                |                          |                  |                           |        |     |
|------------------------------------------|-------|------|------------------|-----------------------------|-----------------------|-----------------|----------|-----------------|----------------------|-------------|---------|-----------|---------|------|------------|----------------------|----------------|--------------------------|------------------|---------------------------|--------|-----|
| FREQUENCY                                |       | Mode | Bandwidth (MHz)  | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Out (dBm) | MPE (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.   |      |                  |                             |                       |                 |          |                 |                      |             |         |           |         |      |            |                      |                |                          |                  |                           |        |     |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 14.80                 | 14.74           | -0.06    | 0               | Ant 4a               | DLX2V03PQLD | QPSK    | 1         | 50      | 0 mm | back       | 1:1                  | 0.977          | 1.014                    | 0.991            | 0.475                     | 0.462  |     |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 14.80                 | 14.79           | -0.02    | 0               | Ant 4a               | DLX2V03PQLD | QPSK    | 50        | 25      | 0 mm | back       | 1:1                  | 1.030          | 1.002                    | 1.032            | 0.497                     | 0.498  |     |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 14.80                 | 14.65           | -0.11    | 0               | Ant 4a               | DLX2V03PQLD | QPSK    | 100       | 0       | 0 mm | back       | 1:1                  | 1.060          | 1.035                    | 1.097            | 0.507                     | 0.525  | A12 |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 11.80                 | 11.38           | 0.03     | 0               | Ant 4a               | DLX2V03PQLD | QPSK    | 1         | 50      | 0 mm | back       | 1:1                  | 0.411          | 1.102                    | 0.453            | 0.208                     | 0.229  |     |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 11.80                 | 11.27           | 0.11     | 0               | Ant 4a               | DLX2V03PQLD | QPSK    | 50        | 25      | 0 mm | back       | 1:1                  | 0.427          | 1.130                    | 0.463            | 0.207                     | 0.234  |     |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 14.80                 | 14.74           | -0.08    | 0               | Ant 4a               | DLX2V03PQLD | QPSK    | 1         | 50      | 0 mm | top        | 1:1                  | 0.285          | 1.014                    | 0.290            | 0.105                     | 0.106  |     |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 14.80                 | 14.79           | -0.13    | 0               | Ant 4a               | DLX2V03PQLD | QPSK    | 50        | 25      | 0 mm | top        | 1:1                  | 0.290          | 1.002                    | 0.291            | 0.106                     | 0.106  |     |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 14.80                 | 14.74           | 0.02     | 0               | Ant 4a               | DLX2V03PQLD | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1                  | 0.012          | 1.014                    | 0.012            | 0.005                     | 0.005  |     |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 14.80                 | 14.79           | 0.12     | 0               | Ant 4a               | DLX2V03PQLD | QPSK    | 50        | 25      | 0 mm | bottom     | 1:1                  | 0.011          | 1.002                    | 0.011            | 0.004                     | 0.004  |     |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 14.80                 | 14.74           | -0.13    | 0               | Ant 4a               | DLX2V03PQLD | QPSK    | 1         | 50      | 0 mm | right      | 1:1                  | 0.000          | 1.014                    | 0.000            | 0.000                     | 0.000  |     |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 14.80                 | 14.79           | 0.01     | 0               | Ant 4a               | DLX2V03PQLD | QPSK    | 50        | 25      | 0 mm | right      | 1:1                  | 0.000          | 1.002                    | 0.000            | 0.000                     | 0.000  |     |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 14.80                 | 14.74           | 0.03     | 0               | Ant 4a               | DLX2V03PQLD | QPSK    | 1         | 50      | 0 mm | left       | 1:1                  | 0.958          | 1.014                    | 0.971            | 0.381                     | 0.386  |     |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 14.80                 | 14.79           | 0.06     | 0               | Ant 4a               | DLX2V03PQLD | QPSK    | 50        | 25      | 0 mm | left       | 1:1                  | 0.967          | 1.002                    | 0.969            | 0.381                     | 0.382  |     |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 14.80                 | 14.65           | 0.08     | 0               | Ant 4a               | DLX2V03PQLD | QPSK    | 100       | 0       | 0 mm | left       | 1:1                  | 0.973          | 1.035                    | 1.007            | 0.384                     | 0.397  |     |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 11.80                 | 11.38           | -0.04    | 0               | Ant 4a               | DLX2V03PQLD | QPSK    | 1         | 50      | 0 mm | left       | 1:1                  | 0.368          | 1.102                    | 0.406            | 0.148                     | 0.163  |     |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 11.80                 | 11.27           | -0.15    | 0               | Ant 4a               | DLX2V03PQLD | QPSK    | 50        | 25      | 0 mm | left       | 1:1                  | 0.391          | 1.130                    | 0.442            | 0.157                     | 0.177  |     |
| 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 10-32**  
**LTE Band 4 Ant 4b Body SAR**

| MEASUREMENT RESULTS                      |       |      |                  |                             |                       |                 |          |                 |                      |             |         |           |         |      |                      |                 |                |                          |                  |                           |        |
|------------------------------------------|-------|------|------------------|-----------------------------|-----------------------|-----------------|----------|-----------------|----------------------|-------------|---------|-----------|---------|------|----------------------|-----------------|----------------|--------------------------|------------------|---------------------------|--------|
| FREQUENCY                                |       | Mode | Bandwidth (MHz)  | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Out (dBm) | MPE (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.   |      |                  |                             |                       |                 |          |                 |                      |             |         |           |         |      |                      |                 |                |                          |                  |                           |        |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.50                 | 13.04           | -0.30    | 0               | Ant 4b               | DLX2V03PQLD | QPSK    | 1         | 50      | 0 mm | back                 | 1:1             | 0.866          | 1.112                    | 0.963            | 0.341                     | 0.379  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.50                 | 13.17           | -0.30    | 0               | Ant 4b               | DLX2V03PQLD | QPSK    | 50        | 0       | 0 mm | back                 | 1:1             | 0.872          | 1.079                    | 0.941            | 0.342                     | 0.369  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.50                 | 12.98           | -0.11    | 0               | Ant 4b               | DLX2V03PQLD | QPSK    | 100       | 0       | 0 mm | back                 | 1:1             | 0.888          | 1.127                    | 1.001            | 0.346                     | 0.390  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 10.50                 | 10.50           | 0.01     | 0               | Ant 4b               | DLX2V03PQLD | QPSK    | 1         | 99      | 0 mm | back                 | 1:1             | 0.398          | 1.000                    | 0.398            | 0.164                     | 0.164  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 10.50                 | 10.47           | -0.02    | 0               | Ant 4b               | DLX2V03PQLD | QPSK    | 50        | 50      | 0 mm | back                 | 1:1             | 0.394          | 1.007                    | 0.397            | 0.163                     | 0.164  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.50                 | 13.04           | 0.00     | 0               | Ant 4b               | DLX2V03PQLD | QPSK    | 1         | 50      | 0 mm | top                  | 1:1             | 0.608          | 1.112                    | 0.676            | 0.235                     | 0.261  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.50                 | 13.17           | -0.09    | 0               | Ant 4b               | DLX2V03PQLD | QPSK    | 50        | 0       | 0 mm | top                  | 1:1             | 0.628          | 1.079                    | 0.678            | 0.244                     | 0.263  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.50                 | 13.04           | 0.16     | 0               | Ant 4b               | DLX2V03PQLD | QPSK    | 1         | 50      | 0 mm | bottom               | 1:1             | 0.000          | 1.112                    | 0.000            | 0.000                     | 0.000  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.50                 | 13.17           | 0.07     | 0               | Ant 4b               | DLX2V03PQLD | QPSK    | 50        | 0       | 0 mm | bottom               | 1:1             | 0.000          | 1.079                    | 0.000            | 0.000                     | 0.000  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.50                 | 13.04           | 0.05     | 0               | Ant 4b               | DLX2V03PQLD | QPSK    | 1         | 50      | 0 mm | right                | 1:1             | 0.001          | 1.112                    | 0.001            | 0.000                     | 0.000  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.50                 | 13.17           | -0.02    | 0               | Ant 4b               | DLX2V03PQLD | QPSK    | 50        | 0       | 0 mm | right                | 1:1             | 0.001          | 1.079                    | 0.001            | 0.000                     | 0.000  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.50                 | 13.04           | 0.03     | 0               | Ant 4b               | DLX2V03PQLD | QPSK    | 1         | 50      | 0 mm | left                 | 1:1             | 0.028          | 1.112                    | 0.031            | 0.011                     | 0.012  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.50                 | 13.17           | -0.14    | 0               | Ant 4b               | DLX2V03PQLD | QPSK    | 50        | 0       | 0 mm | left                 | 1:1             | 0.029          | 1.079                    | 0.031            | 0.011                     | 0.012  |
| 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: BCGA2069                        |  | SAR EVALUATION REPORT      |                 | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                              | DUT Type:<br>Tablet Device | Page 246 of 297 |                                 |

**Table 10-33**  
**LTE Band 66 Ant 2a 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 | Side | Duty Cycle | SAR (dB) | Scaling Factor | Reported SAR (2g) (W/kg) | SAR (2g) (W/kg) | Reported SAR (2g) (W/kg) | Plot # |
| MHz                                      | Ch     |      |                   |                             |                       |                  |          |                 |                      |                      |         |           |         |      |            |          |                | (W/kg)                   |                 |                          |        |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (BW5) | 20                          | 14.90                 | 14.84            | -0.09    | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 1         | 0       | 0 mm | back       | 1:1      | 0.958          | 1.014                    | 0.971           | 0.471                    | 0.478  |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (BW5) | 20                          | 14.90                 | 14.78            | -0.07    | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 1         | 50      | 0 mm | back       | 1:1      | 0.987          | 1.028                    | 1.015           | 0.483                    | 0.497  |
| 1770.00                                  | 132572 | High | LTE Band 66 (BW5) | 20                          | 14.90                 | 14.54            | -0.10    | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 1.000          | 1.086                    | 1.086           | 0.488                    | 0.530  |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (BW5) | 20                          | 14.90                 | 14.68            | -0.05    | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 50        | 0       | 0 mm | back       | 1:1      | 0.946          | 1.052                    | 0.995           | 0.466                    | 0.490  |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (BW5) | 20                          | 14.90                 | 14.82            | -0.09    | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 90        | 0       | 0 mm | back       | 1:1      | 1.000          | 1.019                    | 1.019           | 0.491                    | 0.500  |
| 1770.00                                  | 132572 | High | LTE Band 66 (BW5) | 20                          | 14.90                 | 14.67            | -0.09    | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 90        | 90      | 0 mm | back       | 1:1      | 1.000          | 1.054                    | 1.054           | 0.487                    | 0.513  |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (BW5) | 20                          | 14.90                 | 14.80            | -0.07    | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 100       | 0       | 0 mm | back       | 1:1      | 1.010          | 1.023                    | 1.033           | 0.497                    | 0.508  |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (BW5) | 20                          | 11.90                 | 11.84            | -0.02    | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 1         | 0       | 0 mm | back       | 1:1      | 0.368          | 1.014                    | 0.363           | 0.177                    | 0.179  |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (BW5) | 20                          | 11.90                 | 11.79            | -0.03    | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 50        | 25      | 0 mm | back       | 1:1      | 0.363          | 1.026                    | 0.372           | 0.179                    | 0.184  |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (BW5) | 20                          | 14.90                 | 14.84            | -0.08    | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 1         | 0       | 0 mm | top        | 1:1      | 0.007          | 1.014                    | 0.007           | 0.002                    | 0.002  |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (BW5) | 20                          | 14.90                 | 14.82            | 0.18     | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 50        | 0       | 0 mm | top        | 1:1      | 0.009          | 1.019                    | 0.009           | 0.003                    | 0.003  |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (BW5) | 20                          | 14.90                 | 14.84            | -0.02    | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1      | 0.191          | 1.014                    | 0.194           | 0.071                    | 0.072  |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (BW5) | 20                          | 14.90                 | 14.82            | -0.08    | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 90        | 0       | 0 mm | bottom     | 1:1      | 0.210          | 1.019                    | 0.214           | 0.077                    | 0.078  |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (BW5) | 20                          | 14.90                 | 14.84            | -0.02    | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 1         | 0       | 0 mm | right      | 1:1      | 0.831          | 1.014                    | 0.843           | 0.329                    | 0.333  |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (BW5) | 20                          | 14.90                 | 14.78            | -0.01    | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 1         | 90      | 0 mm | right      | 1:1      | 0.806          | 1.028                    | 0.829           | 0.315                    | 0.324  |
| 1770.00                                  | 132572 | High | LTE Band 66 (BW5) | 20                          | 14.90                 | 14.54            | 0.00     | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 1         | 99      | 0 mm | right      | 1:1      | 0.797          | 1.086                    | 0.866           | 0.309                    | 0.336  |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (BW5) | 20                          | 14.90                 | 14.68            | -0.01    | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 50        | 0       | 0 mm | right      | 1:1      | 0.811          | 1.052                    | 0.853           | 0.318                    | 0.335  |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (BW5) | 20                          | 14.90                 | 14.82            | 0.00     | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 50        | 0       | 0 mm | right      | 1:1      | 0.794          | 1.019                    | 0.809           | 0.309                    | 0.315  |
| 1770.00                                  | 132572 | High | LTE Band 66 (BW5) | 20                          | 14.90                 | 14.67            | 0.01     | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 90        | 90      | 0 mm | right      | 1:1      | 0.803          | 1.054                    | 0.846           | 0.310                    | 0.327  |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (BW5) | 20                          | 14.90                 | 14.80            | 0.01     | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 100       | 0       | 0 mm | right      | 1:1      | 0.812          | 1.023                    | 0.831           | 0.316                    | 0.323  |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (BW5) | 20                          | 11.90                 | 11.84            | -0.02    | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 1         | 0       | 0 mm | right      | 1:1      | 0.406          | 1.014                    | 0.412           | 0.199                    | 0.181  |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (BW5) | 20                          | 11.90                 | 11.79            | -0.03    | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 50        | 25      | 0 mm | right      | 1:1      | 0.429          | 1.026                    | 0.440           | 0.188                    | 0.172  |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (BW5) | 20                          | 14.90                 | 14.84            | -0.06    | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 1         | 0       | 0 mm | left       | 1:1      | 0.000          | 1.014                    | 0.000           | 0.000                    | 0.000  |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (BW5) | 20                          | 14.90                 | 14.82            | 0.16     | 0               | Ant 2a               | DLX2V613PQLD         | QPSK    | 90        | 0       | 0 mm | left       | 1:1      | 0.000          | 1.019                    | 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 10-34**  
**LTE Band 66 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 (2g) | Scaling Factor | Reported SAR (2g) | Reported SAR (2g) | Plot # |       |
| MHz                                      | Ch     |      |                   |                             |                       |                 |          |                 |                      |                      |         |           |         |      |            | (W/kg)   |                | (W/kg)            | (W/kg)            |        |       |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (BW5) | 20                          | 15.10                 | 14.60           | 0.06     | 0               | Ant 2b               | DLX2V613PQLD         | QPSK    | 1         | 0       | 0 mm | back       | 1:1      | 0.897          | 1.122             | 1.006             | 0.363  | 0.407 |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (BW5) | 20                          | 15.10                 | 14.57           | 0.06     | 0               | Ant 2b               | DLX2V613PQLD         | QPSK    | 1         | 0       | 0 mm | back       | 1:1      | 0.791          | 1.130             | 0.894             | 0.314  | 0.355 |
| 1770.00                                  | 132572 | High | LTE Band 66 (BW5) | 20                          | 15.10                 | 14.59           | 0.02     | 0               | Ant 2b               | DLX2V613PQLD         | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 0.775          | 1.125             | 0.872             | 0.305  | 0.343 |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (BW5) | 20                          | 15.10                 | 14.78           | 0.05     | 0               | Ant 2b               | DLX2V613PQLD         | QPSK    | 50        | 0       | 0 mm | back       | 1:1      | 0.825          | 1.076             | 0.888             | 0.330  | 0.355 |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (BW5) | 20                          | 15.10                 | 14.95           | 0.05     | 0               | Ant 2b               | DLX2V613PQLD         | QPSK    | 50        | 0       | 0 mm | back       | 1:1      | 0.801          | 1.035             | 0.829             | 0.318  | 0.329 |
| 1770.00                                  | 132572 | High | LTE Band 66 (BW5) | 20                          | 15.10                 | 14.77           | 0.03     | 0               | Ant 2b               | DLX2V613PQLD         | QPSK    | 50        | 50      | 0 mm | back       | 1:1      | 0.780          | 1.079             | 0.842             | 0.306  | 0.330 |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (BW5) | 20                          | 15.10                 | 14.59           | 0.04     | 0               | Ant 2b               | DLX2V613PQLD         | QPSK    | 100       | 0       | 0 mm | back       | 1:1      | 0.806          | 1.125             | 0.907             | 0.320  | 0.360 |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (BW5) | 20                          | 12.10                 | 12.05           | -0.07    | 0               | Ant 2b               | DLX2V613PQLD         | QPSK    | 1         | 0       | 0 mm | back       | 1:1      | 0.356          | 1.012             | 0.360             | 0.152  | 0.154 |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (BW5) | 20                          | 12.10                 | 11.86           | -0.02    | 0               | Ant 2b               | DLX2V613PQLD         | QPSK    | 50        | 0       | 0 mm | back       | 1:1      | 0.341          | 1.057             | 0.360             | 0.144  | 0.152 |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (BW5) | 20                          | 15.10                 | 14.60           | -0.16    | 0               | Ant 2b               | DLX2V613PQLD         | QPSK    | 1         | 0       | 0 mm | top        | 1:1      | 0.001          | 1.122             | 0.001             | 0.000  | 0.000 |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (BW5) | 20                          | 15.10                 | 14.95           | 0.03     | 0               | Ant 2b               | DLX2V613PQLD         | QPSK    | 90        | 0       | 0 mm | top        | 1:1      | 0.000          | 1.035             | 0.000             | 0.000  | 0.000 |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (BW5) | 20                          | 15.10                 | 14.60           | 0.02     | 0               | Ant 2b               | DLX2V613PQLD         | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1      | 0.151          | 1.122             | 0.158             | 0.214  | 0.240 |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (BW5) | 20                          | 15.10                 | 14.95           | 0.00     | 0               | Ant 2b               | DLX2V613PQLD         | QPSK    | 90        | 0       | 0 mm | bottom     | 1:1      | 0.162          | 1.035             | 0.602             | 0.225  | 0.233 |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (BW5) | 20                          | 15.10                 | 14.60           | 0.16     | 0               | Ant 2b               | DLX2V613PQLD         | QPSK    | 1         | 0       | 0 mm | right      | 1:1      | 0.065          | 1.122             | 0.073             | 0.024  | 0.027 |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (BW5) | 20                          | 15.10                 | 14.95           | 0.10     | 0               | Ant 2b               | DLX2V613PQLD         | QPSK    | 50        | 0       | 0 mm | right      | 1:1      | 0.049          | 1.035             | 0.051             | 0.017  | 0.018 |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (BW5) | 20                          | 15.10                 | 14.60           | 0.05     | 0               | Ant 2b               | DLX2V613PQLD         | QPSK    | 1         | 0       | 0 mm | left       | 1:1      | 0.008          | 1.122             | 0.009             | 0.003  | 0.003 |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (BW5) | 20                          | 15.10                 | 14.95           | 0.03     | 0               | Ant 2b               | DLX2V613PQLD         | QPSK    | 90        | 0       | 0 mm | left       | 1:1      | 0.007          | 1.035             | 0.007             | 0.027  | 0.028 |
| 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: BCGA2069                               |  | <b>SAR EVALUATION REPORT</b>      | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                       | <b>DUT Type:</b><br>Tablet Device | Page 247 of 297                        |

**Table 10-35**  
**LTE Band 66 Ant 4a Body SAR**

| MEASUREMENT RESULTS                      |        |      |                   |                             |                       |                 |          |                 |                      |                      |         |           |         |      |            |          |                |                   |          |                   |        |     |
|------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|-----------------|----------|-----------------|----------------------|----------------------|---------|-----------|---------|------|------------|----------|----------------|-------------------|----------|-------------------|--------|-----|
| FREQUENCY                                |        | Mode | Bandwidth (MHz)   | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Dens (dB) | MPE (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)   | (W/kg)            |        |     |
| 1720.00                                  | 130702 | Low  | LTE Band 66 (AW3) | 20                          | 14.80                 | 14.73           | -0.13    | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 1.100          | 1.016             | 1.118    | 0.524             | 0.532  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AW3) | 20                          | 14.80                 | 14.75           | -0.14    | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 1         | 0       | 0 mm | back       | 1:1      | 1.100          | 1.012             | 1.113    | 0.519             | 0.525  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AW3) | 20                          | 14.80                 | 14.50           | -0.14    | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 1         | 0       | 0 mm | back       | 1:1      | 1.100          | 1.072             | 1.179    | 0.517             | 0.554  |     |
| 1720.00                                  | 130702 | Low  | LTE Band 66 (AW3) | 20                          | 14.80                 | 14.64           | -0.16    | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 50        | 50      | 0 mm | back       | 1:1      | 1.060          | 1.038             | 1.100    | 0.503             | 0.522  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AW3) | 20                          | 14.80                 | 14.60           | -0.13    | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 50        | 0       | 0 mm | back       | 1:1      | 1.070          | 1.047             | 1.120    | 0.507             | 0.531  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AW3) | 20                          | 14.80                 | 14.67           | -0.14    | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 50        | 0       | 0 mm | back       | 1:1      | 1.110          | 1.030             | 1.143    | 0.518             | 0.534  | A13 |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AW3) | 20                          | 14.80                 | 14.56           | -0.10    | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 100       | 0       | 0 mm | back       | 1:1      | 1.050          | 1.057             | 1.110    | 0.496             | 0.523  |     |
| 1720.00                                  | 130702 | Low  | LTE Band 66 (AW3) | 20                          | 11.80                 | 11.71           | -0.09    | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 0.452          | 1.021             | 0.461    | 0.224             | 0.229  |     |
| 1720.00                                  | 130702 | Low  | LTE Band 66 (AW3) | 20                          | 11.80                 | 11.44           | -0.07    | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 50        | 50      | 0 mm | back       | 1:1      | 0.410          | 1.086             | 0.446    | 0.204             | 0.222  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AW3) | 20                          | 14.80                 | 14.75           | -0.04    | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 1         | 0       | 0 mm | top        | 1:1      | 0.276          | 1.012             | 0.279    | 0.104             | 0.105  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AW3) | 20                          | 14.80                 | 14.67           | -0.06    | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 50        | 0       | 0 mm | top        | 1:1      | 0.269          | 1.030             | 0.277    | 0.101             | 0.104  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AW3) | 20                          | 14.80                 | 14.75           | 0.08     | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1      | 0.009          | 1.012             | 0.009    | 0.003             | 0.003  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AW3) | 20                          | 14.80                 | 14.67           | 0.16     | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 50        | 0       | 0 mm | bottom     | 1:1      | 0.010          | 1.030             | 0.010    | 0.003             | 0.003  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AW3) | 20                          | 14.80                 | 14.75           | -0.05    | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 1         | 0       | 0 mm | right      | 1:1      | 0.000          | 1.012             | 0.000    | 0.000             | 0.000  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AW3) | 20                          | 14.80                 | 14.67           | -0.09    | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 50        | 0       | 0 mm | right      | 1:1      | 0.000          | 1.030             | 0.000    | 0.000             | 0.000  |     |
| 1720.00                                  | 130702 | Low  | LTE Band 66 (AW3) | 20                          | 14.80                 | 14.73           | -0.01    | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 1         | 99      | 0 mm | left       | 1:1      | 0.978          | 1.016             | 0.994    | 0.387             | 0.393  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AW3) | 20                          | 14.80                 | 14.75           | 0.00     | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 1         | 0       | 0 mm | left       | 1:1      | 0.972          | 1.012             | 0.984    | 0.383             | 0.388  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AW3) | 20                          | 14.80                 | 14.50           | 0.09     | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 1         | 0       | 0 mm | left       | 1:1      | 0.962          | 1.072             | 1.021    | 0.372             | 0.399  |     |
| 1720.00                                  | 130702 | Low  | LTE Band 66 (AW3) | 20                          | 14.80                 | 14.64           | 0.16     | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 50        | 50      | 0 mm | left       | 1:1      | 0.933          | 1.038             | 0.968    | 0.369             | 0.383  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AW3) | 20                          | 14.80                 | 14.60           | 0.09     | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 50        | 0       | 0 mm | left       | 1:1      | 0.956          | 1.047             | 1.003    | 0.376             | 0.394  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AW3) | 20                          | 14.80                 | 14.67           | 0.07     | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 50        | 0       | 0 mm | left       | 1:1      | 0.967          | 1.030             | 0.986    | 0.374             | 0.385  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AW3) | 20                          | 14.80                 | 14.56           | 0.10     | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 100       | 0       | 0 mm | left       | 1:1      | 0.963          | 1.057             | 1.007    | 0.375             | 0.396  |     |
| 1720.00                                  | 130702 | Low  | LTE Band 66 (AW3) | 20                          | 11.80                 | 11.71           | -0.19    | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 1         | 99      | 0 mm | left       | 1:1      | 0.410          | 1.021             | 0.419    | 0.164             | 0.167  |     |
| 1720.00                                  | 130702 | Low  | LTE Band 66 (AW3) | 20                          | 11.80                 | 11.44           | -0.04    | 0               | Ant 4a               | DLX2V011PQLD         | QPSK    | 50        | 50      | 0 mm | left       | 1:1      | 0.388          | 1.086             | 0.421    | 0.156             | 0.169  |     |
| 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 10-36**  
**LTE Band 66 Ant 4b Body SAR**

| MEASUREMENT RESULTS                      |        |      |                   |                             |                       |                 |          |                 |                      |                      |         |           |         |      |            |          |                |                   |          |                   |        |  |
|------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|-----------------|----------|-----------------|----------------------|----------------------|---------|-----------|---------|------|------------|----------|----------------|-------------------|----------|-------------------|--------|--|
| FREQUENCY                                |        | Mode | Bandwidth (MHz)   | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Dens (dB) | MPE (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                                  | 13072  | Low  | LTE Band 66 (AW3) | 20                          | 13.50                 | 13.07           | 0.03     | 0               | Ant 4b               | DLX2V010PQLD         | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 0.831          | 1.104             | 0.917    | 0.333             | 0.368  |  |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AW3) | 20                          | 13.50                 | 13.07           | -0.18    | 0               | Ant 4b               | DLX2V010PQLD         | QPSK    | 1         | 0       | 0 mm | back       | 1:1      | 0.834          | 1.104             | 0.921    | 0.336             | 0.370  |  |
| 1770.00                                  | 132572 | High | LTE Band 66 (AW3) | 20                          | 13.50                 | 13.18           | -0.09    | 0               | Ant 4b               | DLX2V010PQLD         | QPSK    | 1         | 0       | 0 mm | back       | 1:1      | 0.873          | 1.076             | 0.939    | 0.349             | 0.376  |  |
| 1720.00                                  | 13072  | Low  | LTE Band 66 (AW3) | 20                          | 13.50                 | 12.88           | -0.18    | 0               | Ant 4b               | DLX2V010PQLD         | QPSK    | 50        | 0       | 0 mm | back       | 1:1      | 0.835          | 1.153             | 0.963    | 0.336             | 0.387  |  |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AW3) | 20                          | 13.50                 | 13.13           | -0.20    | 0               | Ant 4b               | DLX2V010PQLD         | QPSK    | 50        | 50      | 0 mm | back       | 1:1      | 0.865          | 1.089             | 0.942    | 0.346             | 0.377  |  |
| 1770.00                                  | 132572 | High | LTE Band 66 (AW3) | 20                          | 13.50                 | 12.94           | -0.17    | 0               | Ant 4b               | DLX2V010PQLD         | QPSK    | 50        | 0       | 0 mm | back       | 1:1      | 0.883          | 1.138             | 1.005    | 0.353             | 0.402  |  |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AW3) | 20                          | 13.50                 | 13.00           | -0.17    | 0               | Ant 4b               | DLX2V010PQLD         | QPSK    | 100       | 0       | 0 mm | back       | 1:1      | 0.853          | 1.122             | 0.957    | 0.343             | 0.385  |  |
| 1720.00                                  | 13072  | Low  | LTE Band 66 (AW3) | 20                          | 10.50                 | 10.43           | 0.11     | 0               | Ant 4b               | DLX2V010PQLD         | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 0.421          | 1.016             | 0.428    | 0.169             | 0.172  |  |
| 1720.00                                  | 13072  | Low  | LTE Band 66 (AW3) | 20                          | 10.50                 | 10.43           | 0.08     | 0               | Ant 4b               | DLX2V010PQLD         | QPSK    | 50        | 0       | 0 mm | back       | 1:1      | 0.418          | 1.016             | 0.425    | 0.167             | 0.170  |  |
| 1770.00                                  | 132572 | High | LTE Band 66 (AW3) | 20                          | 13.50                 | 13.18           | 0.03     | 0               | Ant 4b               | DLX2V010PQLD         | QPSK    | 1         | 0       | 0 mm | top        | 1:1      | 0.603          | 1.076             | 0.647    | 0.234             | 0.252  |  |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AW3) | 20                          | 13.50                 | 13.13           | -0.02    | 0               | Ant 4b               | DLX2V010PQLD         | QPSK    | 50        | 50      | 0 mm | top        | 1:1      | 0.626          | 1.089             | 0.682    | 0.243             | 0.265  |  |
| 1770.00                                  | 132572 | High | LTE Band 66 (AW3) | 20                          | 13.50                 | 13.18           | 0.09     | 0               | Ant 4b               | DLX2V010PQLD         | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1      | 0.000          | 1.076             | 0.000    | 0.000             | 0.000  |  |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AW3) | 20                          | 13.50                 | 13.13           | -0.09    | 0               | Ant 4b               | DLX2V010PQLD         | QPSK    | 50        | 50      | 0 mm | bottom     | 1:1      | 0.000          | 1.089             | 0.000    | 0.000             | 0.000  |  |
| 1770.00                                  | 132572 | High | LTE Band 66 (AW3) | 20                          | 13.50                 | 13.18           | -0.20    | 0               | Ant 4b               | DLX2V010PQLD         | QPSK    | 1         | 0       | 0 mm | right      | 1:1      | 0.003          | 1.076             | 0.003    | 0.001             | 0.001  |  |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AW3) | 20                          | 13.50                 | 13.13           | -0.04    | 0               | Ant 4b               | DLX2V010PQLD         | QPSK    | 50        | 50      | 0 mm | right      | 1:1      | 0.003          | 1.089             | 0.003    | 0.001             | 0.001  |  |
| 1770.00                                  | 132572 | High | LTE Band 66 (AW3) | 20                          | 13.50                 | 13.18           | -0.03    | 0               | Ant 4b               | DLX2V010PQLD         | QPSK    | 1         | 0       | 0 mm | left       | 1:1      | 0.021          | 1.076             | 0.023    | 0.008             | 0.009  |  |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AW3) | 20                          | 13.50                 | 13.13           | 0.14     | 0               | Ant 4b               | DLX2V010PQLD         | QPSK    | 50        | 50      | 0 mm | left       | 1:1      | 0.025          | 1.089             | 0.027    | 0.010             | 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 |         |           |         |      |            |          |                |                   |          |                   |        |  |

|                                         |                                                                                     |                            |                 |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|----------------------------|-----------------|---------------------------------|
| FCC ID: BCGA2069                        |  | SAR EVALUATION REPORT      |                 | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                              | DUT Type:<br>Tablet Device | Page 248 of 297 |                                 |

Table 10-37  
LTE Band 2 Ant 2a 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 (2g)             | Scaling Factor | Reported SAR (2g) | SAR (2g) | Reported SAR (2g) | Plot # |  |
| MHz                                      | Ch.   |      |                  |                             |                       |                 |          |                 |                      |            |         |           |         |      |            | (mW/kg)              | (mW/kg)        | (mW/kg)           | (mW/kg)  |                   |        |  |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 15.00                 | 14.96           | -0.04    | 0               | Ant 2a               | DLXQVGPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1                  | 1.000          | 1.000             | 1.100    | 0.538             | 0.543  |  |
| 1860.00                                  | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 15.00                 | 14.67           | -0.33    | 0               | Ant 2a               | DLXQVGPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1                  | 1.070          | 1.070             | 1.155    | 0.533             | 0.560  |  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 15.00                 | 14.90           | -0.10    | 0               | Ant 2a               | DLXQVGPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1                  | 1.100          | 1.023             | 1.146    | 0.546             | 0.559  |  |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 15.00                 | 14.67           | -0.34    | 0               | Ant 2a               | DLXQVGPQLD | QPSK    | 50        | 50      | 0 mm | back       | 1:1                  | 1.070          | 1.000             | 1.102    | 0.527             | 0.543  |  |
| 1860.00                                  | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 15.00                 | 14.65           | -0.35    | 0               | Ant 2a               | DLXQVGPQLD | QPSK    | 50        | 50      | 0 mm | back       | 1:1                  | 1.030          | 1.084             | 1.117    | 0.496             | 0.538  |  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 15.00                 | 14.70           | -0.30    | 0               | Ant 2a               | DLXQVGPQLD | QPSK    | 50        | 50      | 0 mm | back       | 1:1                  | 1.070          | 1.072             | 1.147    | 0.524             | 0.562  |  |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 15.00                 | 14.74           | -0.26    | 0               | Ant 2a               | DLXQVGPQLD | QPSK    | 100       | 0       | 0 mm | back       | 1:1                  | 1.060          | 1.062             | 1.126    | 0.525             | 0.568  |  |
| 1860.00                                  | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 12.00                 | 11.71           | -0.29    | 0               | Ant 2a               | DLXQVGPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1                  | 0.445          | 1.069             | 0.476    | 0.213             | 0.228  |  |
| 1860.00                                  | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 12.00                 | 11.55           | -0.45    | 0               | Ant 2a               | DLXQVGPQLD | QPSK    | 50        | 50      | 0 mm | back       | 1:1                  | 0.427          | 1.109             | 0.474    | 0.204             | 0.226  |  |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 15.00                 | 14.96           | 0.19     | 0               | Ant 2a               | DLXQVGPQLD | QPSK    | 1         | 99      | 0 mm | top        | 1:1                  | 0.014          | 1.009             | 0.014    | 0.006             | 0.006  |  |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 15.00                 | 14.67           | 0.06     | 0               | Ant 2a               | DLXQVGPQLD | QPSK    | 50        | 50      | 0 mm | top        | 1:1                  | 0.014          | 1.030             | 0.014    | 0.006             | 0.006  |  |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 15.00                 | 14.96           | -0.01    | 0               | Ant 2a               | DLXQVGPQLD | QPSK    | 1         | 99      | 0 mm | bottom     | 1:1                  | 0.307          | 1.009             | 0.310    | 0.114             | 0.115  |  |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 15.00                 | 14.67           | 0.01     | 0               | Ant 2a               | DLXQVGPQLD | QPSK    | 50        | 50      | 0 mm | bottom     | 1:1                  | 0.311          | 1.030             | 0.310    | 0.116             | 0.119  |  |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 15.00                 | 14.96           | 0.00     | 0               | Ant 2a               | DLXQVGPQLD | QPSK    | 1         | 99      | 0 mm | right      | 1:1                  | 0.760          | 1.009             | 0.767    | 0.300             | 0.303  |  |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 15.00                 | 14.67           | 0.00     | 0               | Ant 2a               | DLXQVGPQLD | QPSK    | 50        | 50      | 0 mm | right      | 1:1                  | 0.761          | 1.030             | 0.764    | 0.300             | 0.309  |  |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 15.00                 | 14.96           | 0.06     | 0               | Ant 2a               | DLXQVGPQLD | QPSK    | 1         | 99      | 0 mm | left       | 1:1                  | 0.000          | 1.009             | 0.000    | 0.000             | 0.000  |  |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 15.00                 | 14.67           | 0.00     | 0               | Ant 2a               | DLXQVGPQLD | QPSK    | 50        | 50      | 0 mm | left       | 1:1                  | 0.000          | 1.000             | 0.000    | 0.000             | 0.000  |  |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT    |       |      |                  |                             |                       |                 |          |                 |                      |            |         |           |         |      |            | Body                 |                |                   |          |                   | Plot # |  |
| Spatial Peak                             |       |      |                  |                             |                       |                 |          |                 |                      |            |         |           |         |      |            | 1.6 W/kg (mW/kg)     |                |                   |          |                   |        |  |
| Uncontrolled Exposure/General Population |       |      |                  |                             |                       |                 |          |                 |                      |            |         |           |         |      |            | averaged over 1 gram |                |                   |          |                   |        |  |

Table 10-38  
LTE Band 2 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 (2g)             | Scaling Factor | Reported SAR (2g) | SAR (2g) | Reported SAR (2g) | Plot # |
| MHz                                      | Ch.   |      |                  |                             |                       |                 |          |                 |                      |            |         |           |         |      |            | (mW/kg)              |                | (mW/kg)           | (mW/kg)  |                   |        |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.61           | -0.35    | 0               | Ant 2b               | DLXQVGPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1                  | 0.014          | 1.045             | 0.955    | 0.365             | 0.381  |
| 1860.00                                  | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.67           | -0.36    | 0               | Ant 2b               | DLXQVGPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1                  | 0.038          | 1.030             | 0.966    | 0.274             | 0.285  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.66           | -0.33    | 0               | Ant 2b               | DLXQVGPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1                  | 0.074          | 1.028             | 1.001    | 0.267             | 0.288  |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.61           | -0.39    | 0               | Ant 2b               | DLXQVGPQLD | QPSK    | 50        | 25      | 0 mm | back       | 1:1                  | 0.093          | 1.094             | 0.977    | 0.356             | 0.369  |
| 1860.00                                  | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.74           | -0.26    | 0               | Ant 2b               | DLXQVGPQLD | QPSK    | 50        | 0       | 0 mm | back       | 1:1                  | 0.075          | 1.062             | 0.929    | 0.349             | 0.371  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.61           | -0.33    | 0               | Ant 2b               | DLXQVGPQLD | QPSK    | 50        | 50      | 0 mm | back       | 1:1                  | 0.094          | 1.045             | 0.934    | 0.353             | 0.369  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.69           | -0.31    | 0               | Ant 2b               | DLXQVGPQLD | QPSK    | 100       | 0       | 0 mm | back       | 1:1                  | 0.080          | 1.074             | 0.945    | 0.349             | 0.375  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 11.00                 | 11.00           | -0.02    | 0               | Ant 2b               | DLXQVGPQLD | QPSK    | 1         | 0       | 0 mm | back       | 1:1                  | 0.051          | 1.000             | 0.551    | 0.230             | 0.230  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 11.00                 | 10.99           | -0.01    | 0               | Ant 2b               | DLXQVGPQLD | QPSK    | 50        | 0       | 0 mm | back       | 1:1                  | 0.020          | 1.002             | 0.923    | 0.208             | 0.208  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.66           | 0.04     | 0               | Ant 2b               | DLXQVGPQLD | QPSK    | 1         | 99      | 0 mm | top        | 1:1                  | 0.001          | 1.028             | 0.001    | 0.000             | 0.000  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.61           | 0.08     | 0               | Ant 2b               | DLXQVGPQLD | QPSK    | 50        | 50      | 0 mm | top        | 1:1                  | 0.000          | 1.045             | 0.000    | 0.000             | 0.000  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.66           | -0.04    | 0               | Ant 2b               | DLXQVGPQLD | QPSK    | 1         | 99      | 0 mm | bottom     | 1:1                  | 0.072          | 1.028             | 0.588    | 0.228             | 0.234  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.61           | -0.02    | 0               | Ant 2b               | DLXQVGPQLD | QPSK    | 50        | 50      | 0 mm | bottom     | 1:1                  | 0.060          | 1.045             | 0.575    | 0.218             | 0.228  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.66           | 0.02     | 0               | Ant 2b               | DLXQVGPQLD | QPSK    | 1         | 99      | 0 mm | right      | 1:1                  | 0.019          | 1.028             | 0.020    | 0.007             | 0.007  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.61           | -0.03    | 0               | Ant 2b               | DLXQVGPQLD | QPSK    | 50        | 50      | 0 mm | right      | 1:1                  | 0.018          | 1.045             | 0.019    | 0.007             | 0.007  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.66           | 0.03     | 0               | Ant 2b               | DLXQVGPQLD | QPSK    | 1         | 99      | 0 mm | left       | 1:1                  | 0.005          | 1.028             | 0.005    | 0.002             | 0.002  |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.00                 | 13.61           | -0.05    | 0               | Ant 2b               | DLXQVGPQLD | QPSK    | 50        | 50      | 0 mm | left       | 1:1                  | 0.007          | 1.045             | 0.007    | 0.002             | 0.002  |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT    |       |      |                  |                             |                       |                 |          |                 |                      |            |         |           |         |      |            | Body                 |                |                   |          |                   | Plot # |
| Spatial Peak                             |       |      |                  |                             |                       |                 |          |                 |                      |            |         |           |         |      |            | 1.6 W/kg (mW/kg)     |                |                   |          |                   |        |
| Uncontrolled Exposure/General Population |       |      |                  |                             |                       |                 |          |                 |                      |            |         |           |         |      |            | averaged over 1 gram |                |                   |          |                   |        |

Table 10-39  
LTE Band 2 Ant 4a 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 (2g) (mW/kg) | Scaling Factor | Reported SAR (2g) (mW/kg) | SAR (2g) (mW/kg) | Reported SAR (2g) (mW/kg) | Plot # |    |
| MHz                                                              | Ch.   |      |                  |                             |                       |                              |          |                 |                      |                  |         |           |         |      |            | SAR (2g) (mW/kg) |                | SAR (2g) (mW/kg)          |                  |                           |        |    |
| 1860.00                                                          | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.58                        | 0.01     | 0               | Ant 4a               | DLXQVGPQLD       | QPSK    | 1         | 0       | 0 mm | back       | 1:1              | 1.110          | 1.052                     | 1.168            | 0.527                     | 0.554  |    |
| 1860.00                                                          | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.71                        | -0.02    | 0               | Ant 4a               | DLXQVGPQLD       | QPSK    | 1         | 0       | 0 mm | back       | 1:1              | 1.090          | 1.021                     | 1.113            | 0.520                     | 0.531  |    |
| 1900.00                                                          | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.63                        | 0.00     | 0               | Ant 4a               | DLXQVGPQLD       | QPSK    | 1         | 50      | 0 mm | back       | 1:1              | 1.140          | 1.040                     | 1.186            | 0.530                     | 0.551  |    |
| 1860.00                                                          | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.36                        | 0.00     | 0               | Ant 4a               | DLXQVGPQLD       | QPSK    | 50        | 50      | 0 mm | back       | 1:1              | 1.070          | 1.107                     | 1.184            | 0.506                     | 0.560  |    |
| 1860.00                                                          | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.72                        | 0.00     | 0               | Ant 4a               | DLXQVGPQLD       | QPSK    | 50        | 0       | 0 mm | back       | 1:1              | 1.100          | 1.019                     | 1.121            | 0.522                     | 0.532  |    |
| 1900.00                                                          | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.71                        | -0.01    | 0               | Ant 4a               | DLXQVGPQLD       | QPSK    | 50        | 25      | 0 mm | back       | 1:1              | 1.160          | 1.021                     | 1.184            | 0.530                     | 0.550  |    |
| 1900.00                                                          | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.70                        | 0.04     | 0               | Ant 4a               | DLXQVGPQLD       | QPSK    | 100       | 0       | 0 mm | back       | 1:1              | 1.160          | 1.023                     | 1.187            | 0.538                     | 0.550  | AL |
| 1900.00                                                          | 19100 | High | LTE Band 2 (PCS) | 20                          | 11.80                 | 11.32                        | 0.03     | 0               | Ant 4a               | DLXQVGPQLD       | QPSK    | 1         | 99      | 0 mm | back       | 1:1              | 0.900          | 1.117                     | 0.959            | 0.225                     | 0.251  |    |
| 1900.00                                                          | 19100 | High | LTE Band 2 (PCS) | 20                          | 11.80                 | 11.26                        | -0.04    | 0               | Ant 4a               | DLXQVGPQLD       | QPSK    | 50        | 25      | 0 mm | back       | 1:1              | 0.904          | 1.132                     | 0.971            | 0.230                     | 0.260  |    |
| 1860.00                                                          | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.71                        | 0.11     | 0               | Ant 4a               | DLXQVGPQLD       | QPSK    | 1         | 0       | 0 mm | top        | 1:1              | 0.272          | 1.021                     | 0.278            | 0.096                     | 0.098  |    |
| 1860.00                                                          | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.72                        | -0.05    | 0               | Ant 4a               | DLXQVGPQLD       | QPSK    | 50        | 0       | 0 mm | top        | 1:1              | 0.263          | 1.019                     | 0.258            | 0.090                     | 0.092  |    |
| 1860.00                                                          | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.71                        | 0.03     | 0               | Ant 4a               | DLXQVGPQLD       | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1              | 0.015          | 1.021                     | 0.015            | 0.006                     | 0.006  |    |
| 1860.00                                                          | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.70                        | -0.12    | 0               | Ant 4a               | DLXQVGPQLD       | QPSK    | 50        | 0       | 0 mm | bottom     | 1:1              | 0.014          | 1.019                     | 0.014            | 0.005                     | 0.005  |    |
| 1860.00                                                          | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.71                        | 0.06     | 0               | Ant 4a               | DLXQVGPQLD       | QPSK    | 1         | 0       | 0 mm | right      | 1:1              | 0.000          | 1.021                     | 0.000            | 0.000                     | 0.000  |    |
| 1860.00                                                          | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.72                        | -0.06    | 0               | Ant 4a               | DLXQVGPQLD       | QPSK    | 50        | 0       | 0 mm | right      | 1:1              | 0.000          | 1.019                     | 0.000            | 0.000                     | 0.000  |    |
| 1900.00                                                          | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.36                        | 0.00     | 0               | Ant 4a               | DLXQVGPQLD       | QPSK    | 1         | 0       | 0 mm | left       | 1:1              | 0.786          | 1.052                     | 0.806            | 0.301                     | 0.319  |    |
| 1860.00                                                          | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.71                        | 0.02     | 0               | Ant 4a               | DLXQVGPQLD       | QPSK    | 1         | 0       | 0 mm | left       | 1:1              | 0.813          | 1.021                     | 0.830            | 0.315                     | 0.323  |    |
| 1900.00                                                          | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.63                        | 0.01     | 0               | Ant 4a               | DLXQVGPQLD       | QPSK    | 1         | 50      | 0 mm | left       | 1:1              | 0.824          | 1.040                     | 0.857            | 0.322                     | 0.335  |    |
| 1860.00                                                          | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.72                        | 0.06     | 0               | Ant 4a               | DLXQVGPQLD       | QPSK    | 50        | 0       | 0 mm | left       | 1:1              | 0.772          | 1.019                     | 0.787            | 0.302                     | 0.308  |    |
| 1900.00                                                          | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.80                 | 14.70                        | -0.12    | 0               | Ant 4a               | DLXQVGPQLD       | QPSK    | 100       | 0       | 0 mm | left       | 1:1              | 0.886          | 1.023                     | 0.849            | 0.323                     | 0.330  |    |
| 1900.00                                                          | 19100 | High | LTE Band 2 (PCS) | 20                          | 11.80                 | 11.32                        | -0.03    | 0               | Ant 4a               | DLXQVGPQLD       | QPSK    | 1         | 99      | 0 mm | left       | 1:1              | 0.383          | 1.117                     | 0.428            | 0.159                     | 0.178  |    |
| 1900.00                                                          | 19100 | High | LTE Band 2 (PCS) | 20                          | 11.80                 | 11.26                        | -0.03    | 0               | Ant 4a               | DLXQVGPQLD       | QPSK    | 50        | 25      | 0 mm | left       | 1:1              | 0.393          | 1.132                     | 0.445            | 0.163                     | 0.185  |    |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT                            |       |      |                  |                             |                       |                              |          |                 |                      | Body             |         |           |         |      |            |                  |                |                           |                  |                           |        |    |
| Special Peak                                                     |       |      |                  |                             |                       |                              |          |                 |                      | 1.6 W/kg (mW/kg) |         |           |         |      |            |                  |                |                           |                  |                           |        |    |
| 1.0 International Commission on Radiological Protection Download |       |      |                  |                             |                       |                              |          |                 |                      |                  |         |           |         |      |            |                  |                |                           |                  |                           |        |    |

Table 10-40  
LTE Band 2 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)     |                     |       |  |
| 1890.00                                                                                           | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.14            | -0.12    | 0               | Ant 4b               | DLX2V08BPQLD                                    | QPSK    | 1         | 50      | 0 mm | back       | 1:1        | 0.867          | 1.086               | 0.942      | 0.345               | 0.375 |  |
| 1890.00                                                                                           | 18800 | Mid  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.11            | -0.09    | 0               | Ant 4b               | DLX2V08BPQLD                                    | QPSK    | 1         | 50      | 0 mm | back       | 1:1        | 0.902          | 1.094               | 0.987      | 0.358               | 0.392 |  |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCS) | 20                          | 13.50                 | 12.91            | -0.03    | 0               | Ant 4b               | DLX2V08BPQLD                                    | QPSK    | 1         | 0       | 0 mm | back       | 1:1        | 0.885          | 1.146               | 1.014      | 0.350               | 0.401 |  |
| 1890.00                                                                                           | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.14            | -0.01    | 0               | Ant 4b               | DLX2V08BPQLD                                    | QPSK    | 50        | 0       | 0 mm | back       | 1:1        | 0.851          | 1.086               | 0.924      | 0.338               | 0.367 |  |
| 1890.00                                                                                           | 18800 | Mid  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.13            | -0.05    | 0               | Ant 4b               | DLX2V08BPQLD                                    | QPSK    | 50        | 25      | 0 mm | back       | 1:1        | 0.918          | 1.089               | 1.000      | 0.363               | 0.396 |  |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.03            | -0.10    | 0               | Ant 4b               | DLX2V08BPQLD                                    | QPSK    | 50        | 50      | 0 mm | back       | 1:1        | 0.884          | 1.114               | 1.085      | 0.345               | 0.384 |  |
| 1890.00                                                                                           | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.12            | -0.12    | 0               | Ant 4b               | DLX2V08BPQLD                                    | QPSK    | 100       | 0       | 0 mm | back       | 1:1        | 0.861          | 1.091               | 0.939      | 0.342               | 0.373 |  |
| 1890.00                                                                                           | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 10.50                 | 10.16            | -0.04    | 0               | Ant 4b               | DLX2V08BPQLD                                    | QPSK    | 1         | 50      | 0 mm | back       | 1:1        | 0.451          | 1.081               | 0.488      | 0.182               | 0.197 |  |
| 1890.00                                                                                           | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 10.50                 | 10.14            | -0.05    | 0               | Ant 4b               | DLX2V08BPQLD                                    | QPSK    | 50        | 25      | 0 mm | back       | 1:1        | 0.450          | 1.086               | 0.489      | 0.181               | 0.197 |  |
| 1890.00                                                                                           | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.14            | 0.00     | 0               | Ant 4b               | DLX2V08BPQLD                                    | QPSK    | 1         | 50      | 0 mm | top        | 1:1        | 0.518          | 1.086               | 0.563      | 0.205               | 0.223 |  |
| 1890.00                                                                                           | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.14            | -0.01    | 0               | Ant 4b               | DLX2V08BPQLD                                    | QPSK    | 50        | 0       | 0 mm | top        | 1:1        | 0.506          | 1.086               | 0.550      | 0.201               | 0.218 |  |
| 1890.00                                                                                           | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.14            | 0.08     | 0               | Ant 4b               | DLX2V08BPQLD                                    | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1        | 0.000          | 1.086               | 0.000      | 0.000               | 0.000 |  |
| 1890.00                                                                                           | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.14            | -0.03    | 0               | Ant 4b               | DLX2V08BPQLD                                    | QPSK    | 50        | 0       | 0 mm | bottom     | 1:1        | 0.000          | 1.086               | 0.000      | 0.000               | 0.000 |  |
| 1890.00                                                                                           | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.14            | 0.00     | 0               | Ant 4b               | DLX2V08BPQLD                                    | QPSK    | 1         | 50      | 0 mm | right      | 1:1        | 0.005          | 1.086               | 0.005      | 0.002               | 0.002 |  |
| 1890.00                                                                                           | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.14            | 0.02     | 0               | Ant 4b               | DLX2V08BPQLD                                    | QPSK    | 50        | 0       | 0 mm | right      | 1:1        | 0.005          | 1.086               | 0.005      | 0.002               | 0.002 |  |
| 1890.00                                                                                           | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.14            | 0.09     | 0               | Ant 4b               | DLX2V08BPQLD                                    | QPSK    | 1         | 50      | 0 mm | left       | 1:1        | 0.016          | 1.086               | 0.017      | 0.007               | 0.008 |  |
| 1890.00                                                                                           | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 13.50                 | 13.14            | 0.03     | 0               | Ant 4b               | DLX2V08BPQLD                                    | QPSK    | 50        | 0       | 0 mm | left       | 1:1        | 0.017          | 1.086               | 0.018      | 0.007               | 0.008 |  |
| 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 10-41  
LTE Band 25 Ant 2a 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 (dB) | Scaling Factor | Reported SAR (dB) | SAR (dB) | Reported SAR (dB) | Plot # |  |
| MHz                                                                                               | Ch.   |      |                   |                             |                       |                  |          |                 |                      |                                                 |         |           |         |      |            | (W/kg)   |                | (W/kg)            | (W/kg)   | (W/kg)            |        |  |
| 1860.00                                                                                           | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.96            | 0.05     | 0               | Ant 2a               | DLX2V08BPQLD                                    | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 1.140          | 1.009             | 1.150    | 0.522             | 0.527  |  |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.89            | 0.02     | 0               | Ant 2a               | DLX2V08BPQLD                                    | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 1.130          | 1.026             | 1.159    | 0.516             | 0.529  |  |
| 1905.00                                                                                           | 26590 | High | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.95            | 0.02     | 0               | Ant 2a               | DLX2V08BPQLD                                    | QPSK    | 1         | 99      | 0 mm | back       | 1:1      | 1.030          | 1.109             | 1.142    | 0.493             | 0.547  |  |
| 1860.00                                                                                           | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.86            | 0.02     | 0               | Ant 2a               | DLX2V08BPQLD                                    | QPSK    | 50        | 50      | 0 mm | back       | 1:1      | 1.140          | 1.033             | 1.176    | 0.533             | 0.551  |  |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.84            | 0.02     | 0               | Ant 2a               | DLX2V08BPQLD                                    | QPSK    | 50        | 50      | 0 mm | back       | 1:1      | 1.140          | 1.038             | 1.183    | 0.533             | 0.553  |  |
| 1905.00                                                                                           | 26590 | High | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.84            | 0.01     | 0               | Ant 2a               | DLX2V08BPQLD                                    | QPSK    | 50        | 50      | 0 mm | back       | 1:1      | 1.090          | 1.038             | 1.131    | 0.504             | 0.523  |  |
| 1860.00                                                                                           | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.84            | 0.01     | 0               | Ant 2a               | DLX2V08BPQLD                                    | QPSK    | 100       | 0       | 0 mm | back       | 1:1      | 1.130          | 1.038             | 1.173    | 0.530             | 0.550  |  |
| 1860.00                                                                                           | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.96            | 0.03     | 0               | Ant 2a               | DLX2V08BPQLD                                    | QPSK    | 1         | 99      | 0 mm | top        | 1:1      | 0.013          | 1.009             | 0.013    | 0.006             | 0.006  |  |
| 1860.00                                                                                           | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.86            | 0.19     | 0               | Ant 2a               | DLX2V08BPQLD                                    | QPSK    | 50        | 50      | 0 mm | top        | 1:1      | 0.014          | 1.033             | 0.014    | 0.006             | 0.006  |  |
| 1890.00                                                                                           | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.96            | -0.02    | 0               | Ant 2a               | DLX2V08BPQLD                                    | QPSK    | 1         | 99      | 0 mm | bottom     | 1:1      | 0.339          | 1.009             | 0.342    | 0.125             | 0.126  |  |
| 1890.00                                                                                           | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.86            | -0.04    | 0               | Ant 2a               | DLX2V08BPQLD                                    | QPSK    | 50        | 50      | 0 mm | bottom     | 1:1      | 0.339          | 1.033             | 0.350    | 0.125             | 0.129  |  |
| 1890.00                                                                                           | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.96            | 0.00     | 0               | Ant 2a               | DLX2V08BPQLD                                    | QPSK    | 1         | 99      | 0 mm | right      | 1:1      | 0.827          | 1.009             | 0.834    | 0.337             | 0.340  |  |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.89            | -0.05    | 0               | Ant 2a               | DLX2V08BPQLD                                    | QPSK    | 1         | 99      | 0 mm | right      | 1:1      | 0.835          | 1.026             | 0.857    | 0.341             | 0.350  |  |
| 1905.00                                                                                           | 26590 | High | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.55            | -0.07    | 0               | Ant 2a               | DLX2V08BPQLD                                    | QPSK    | 1         | 99      | 0 mm | right      | 1:1      | 0.840          | 1.109             | 0.932    | 0.340             | 0.377  |  |
| 1860.00                                                                                           | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.86            | -0.03    | 0               | Ant 2a               | DLX2V08BPQLD                                    | QPSK    | 50        | 50      | 0 mm | right      | 1:1      | 0.814          | 1.033             | 0.841    | 0.332             | 0.343  |  |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.84            | -0.03    | 0               | Ant 2a               | DLX2V08BPQLD                                    | QPSK    | 50        | 50      | 0 mm | right      | 1:1      | 0.836          | 1.038             | 0.868    | 0.341             | 0.354  |  |
| 1905.00                                                                                           | 26590 | High | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.84            | -0.05    | 0               | Ant 2a               | DLX2V08BPQLD                                    | QPSK    | 50        | 50      | 0 mm | right      | 1:1      | 0.851          | 1.038             | 0.883    | 0.344             | 0.357  |  |
| 1860.00                                                                                           | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.84            | 0.00     | 0               | Ant 2a               | DLX2V08BPQLD                                    | QPSK    | 100       | 0       | 0 mm | right      | 1:1      | 0.806          | 1.038             | 0.837    | 0.328             | 0.340  |  |
| 1860.00                                                                                           | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.96            | 0.09     | 0               | Ant 2a               | DLX2V08BPQLD                                    | QPSK    | 1         | 99      | 0 mm | left       | 1:1      | 0.000          | 1.009             | 0.000    | 0.000             | 0.000  |  |
| 1860.00                                                                                           | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 15.00                 | 14.86            | 0.00     | 0               | Ant 2a               | DLX2V08BPQLD                                    | QPSK    | 50        | 50      | 0 mm | left       | 1:1      | 0.000          | 1.033             | 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 |         |           |         |      |            |          |                |                   |          |                   |        |  |

Table 10-42  
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.   |      |                   |                             |                       |                 |          |                 |                      |             |         |           |         |      |                    |          |                | (W/kg)            | (W/kg)   | (W/kg)            |        |  |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.90           | -0.04    | 0               | Ant 2b               | DLX2V08PQLD | QPSK    | 1         | 99      | 0 mm | back               | 1:1      | 0.924          | 1.023             | 0.945    | 0.372             | 0.381  |  |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.93           | -0.02    | 0               | Ant 2b               | DLX2V08PQLD | QPSK    | 1         | 99      | 0 mm | back               | 1:1      | 0.958          | 1.016             | 0.973    | 0.382             | 0.388  |  |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.79           | -0.02    | 0               | Ant 2b               | DLX2V08PQLD | QPSK    | 1         | 99      | 0 mm | back               | 1:1      | 0.956          | 1.050             | 1.004    | 0.379             | 0.398  |  |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.75           | -0.09    | 0               | Ant 2b               | DLX2V08PQLD | QPSK    | 50        | 50      | 0 mm | back               | 1:1      | 0.902          | 1.059             | 0.955    | 0.361             | 0.382  |  |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.90           | -0.07    | 0               | Ant 2b               | DLX2V08PQLD | QPSK    | 50        | 50      | 0 mm | back               | 1:1      | 0.962          | 1.023             | 0.984    | 0.363             | 0.382  |  |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.89           | -0.07    | 0               | Ant 2b               | DLX2V08PQLD | QPSK    | 50        | 50      | 0 mm | back               | 1:1      | 0.980          | 1.026             | 1.005    | 0.388             | 0.398  |  |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.88           | -0.05    | 0               | Ant 2b               | DLX2V08PQLD | QPSK    | 100       | 0       | 0 mm | back               | 1:1      | 0.938          | 1.028             | 0.964    | 0.373             | 0.383  |  |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.93           | 0.00     | 0               | Ant 2b               | DLX2V08PQLD | QPSK    | 1         | 99      | 0 mm | top                | 1:1      | 0.000          | 1.016             | 0.000    | 0.000             | 0.000  |  |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.90           | -0.19    | 0               | Ant 2b               | DLX2V08PQLD | QPSK    | 50        | 50      | 0 mm | top                | 1:1      | 0.000          | 1.023             | 0.000    | 0.000             | 0.000  |  |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.93           | -0.01    | 0               | Ant 2b               | DLX2V08PQLD | QPSK    | 1         | 99      | 0 mm | bottom             | 1:1      | 0.615          | 1.016             | 0.625    | 0.241             | 0.245  |  |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.90           | -0.04    | 0               | Ant 2b               | DLX2V08PQLD | QPSK    | 50        | 50      | 0 mm | bottom             | 1:1      | 0.602          | 1.023             | 0.616    | 0.236             | 0.241  |  |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.93           | 0.05     | 0               | Ant 2b               | DLX2V08PQLD | QPSK    | 1         | 99      | 0 mm | right              | 1:1      | 0.019          | 1.016             | 0.019    | 0.007             | 0.007  |  |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.90           | 0.07     | 0               | Ant 2b               | DLX2V08PQLD | QPSK    | 50        | 50      | 0 mm | right              | 1:1      | 0.019          | 1.023             | 0.019    | 0.007             | 0.007  |  |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.93           | 0.09     | 0               | Ant 2b               | DLX2V08PQLD | QPSK    | 1         | 99      | 0 mm | left               | 1:1      | 0.005          | 1.016             | 0.005    | 0.001             | 0.001  |  |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 14.00                 | 13.90           | 0.05     | 0               | Ant 2b               | DLX2V08PQLD | QPSK    | 50        | 50      | 0 mm | left               | 1:1      | 0.005          | 1.023             | 0.005    | 0.002             | 0.002  |  |
| ANSI / IEEE C63.1 - 1992 - Safety Limit  |       |      |                   |                             |                       |                 |          |                 |                      |             |         |           |         |      | Body               |          |                |                   |          |                   |        |  |
| Spatial Peak                             |       |      |                   |                             |                       |                 |          |                 |                      |             |         |           |         |      | 1.6 W/kg (avg)     |          |                |                   |          |                   |        |  |
| Uncontrolled Exposure/General Population |       |      |                   |                             |                       |                 |          |                 |                      |             |         |           |         |      | averaged over 1.6g |          |                |                   |          |                   |        |  |

**Table 10-43**  
**LTE Band 25 Ant 4a Body SAR**

| MEASUREMENT RESULTS                      |       |      |                   |                             |                       |                 |                      |                 |                      |             |         |           |         |      |            |         |                |                  |           |                    |        |     |
|------------------------------------------|-------|------|-------------------|-----------------------------|-----------------------|-----------------|----------------------|-----------------|----------------------|-------------|---------|-----------|---------|------|------------|---------|----------------|------------------|-----------|--------------------|--------|-----|
| FREQUENCY                                |       | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Dens [dB] | MPE [dB]             | Antenna Config. | Device Serial Number | Modulation  | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (g) | Scaling Factor | Reported SAR (g) | SAR (dBg) | Reported SAR (dBg) | Plot # |     |
| MHz                                      | Ch.   |      |                   |                             |                       |                 |                      |                 |                      |             |         |           |         |      |            | (W/kg)  | (W/kg)         | (W/kg)           | (W/kg)    |                    |        |     |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.43           | -0.01                | 0               | Ant 4a               | DUX2VGGPQLD | QPSK    | 1         | 0       | 0 mm | back       | 1:1     | 1.090          | 1.089            | 1.187     | 0.530              | 0.577  |     |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.48           | -0.09                | 0               | Ant 4a               | DUX2VGGPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1     | 0.916          | 1.076            | 0.986     | 0.472              | 0.508  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.62           | 0.05                 | 0               | Ant 4a               | DUX2VGGPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1     | 1.140          | 1.042            | 1.188     | 0.529              | 0.551  |     |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.33           | -0.04                | 0               | Ant 4a               | DUX2VGGPQLD | QPSK    | 50        | 50      | 0 mm | back       | 1:1     | 1.060          | 1.114            | 1.181     | 0.510              | 0.568  |     |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.51           | -0.12                | 0               | Ant 4a               | DUX2VGGPQLD | QPSK    | 50        | 50      | 0 mm | back       | 1:1     | 0.900          | 1.069            | 0.962     | 0.464              | 0.496  | A15 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.77           | -0.04                | 0               | Ant 4a               | DUX2VGGPQLD | QPSK    | 50        | 0       | 0 mm | back       | 1:1     | 1.180          | 1.007            | 1.188     | 0.553              | 0.557  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.56           | 0.05                 | 0               | Ant 4a               | DUX2VGGPQLD | QPSK    | 100       | 0       | 0 mm | back       | 1:1     | 0.966          | 1.057            | 1.021     | 0.494              | 0.522  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.62           | -0.02                | 0               | Ant 4a               | DUX2VGGPQLD | QPSK    | 1         | 99      | 0 mm | top        | 1:1     | 0.322          | 1.042            | 0.336     | 0.117              | 0.122  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.77           | -0.04                | 0               | Ant 4a               | DUX2VGGPQLD | QPSK    | 50        | 0       | 0 mm | top        | 1:1     | 0.298          | 1.007            | 0.300     | 0.108              | 0.109  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.62           | -0.08                | 0               | Ant 4a               | DUX2VGGPQLD | QPSK    | 1         | 99      | 0 mm | bottom     | 1:1     | 0.015          | 1.042            | 0.016     | 0.006              | 0.006  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.77           | 0.03                 | 0               | Ant 4a               | DUX2VGGPQLD | QPSK    | 50        | 0       | 0 mm | bottom     | 1:1     | 0.017          | 1.007            | 0.017     | 0.007              | 0.007  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.62           | 0.00                 | 0               | Ant 4a               | DUX2VGGPQLD | QPSK    | 1         | 99      | 0 mm | right      | 1:1     | 0.000          | 1.042            | 0.000     | 0.000              | 0.000  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.77           | 0.19                 | 0               | Ant 4a               | DUX2VGGPQLD | QPSK    | 50        | 0       | 0 mm | right      | 1:1     | 0.000          | 1.007            | 0.000     | 0.000              | 0.000  |     |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.43           | -0.18                | 0               | Ant 4a               | DUX2VGGPQLD | QPSK    | 1         | 0       | 0 mm | left       | 1:1     | 0.870          | 1.089            | 0.947     | 0.345              | 0.376  |     |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.48           | -0.09                | 0               | Ant 4a               | DUX2VGGPQLD | QPSK    | 1         | 99      | 0 mm | left       | 1:1     | 0.904          | 1.076            | 0.973     | 0.350              | 0.377  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.62           | -0.15                | 0               | Ant 4a               | DUX2VGGPQLD | QPSK    | 1         | 99      | 0 mm | left       | 1:1     | 0.944          | 1.042            | 0.984     | 0.366              | 0.381  |     |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.33           | -0.04                | 0               | Ant 4a               | DUX2VGGPQLD | QPSK    | 50        | 50      | 0 mm | left       | 1:1     | 0.850          | 1.114            | 0.947     | 0.336              | 0.374  |     |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.51           | -0.04                | 0               | Ant 4a               | DUX2VGGPQLD | QPSK    | 50        | 50      | 0 mm | left       | 1:1     | 0.894          | 1.069            | 0.956     | 0.348              | 0.372  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.77           | -0.18                | 0               | Ant 4a               | DUX2VGGPQLD | QPSK    | 50        | 0       | 0 mm | left       | 1:1     | 0.959          | 1.007            | 0.966     | 0.373              | 0.376  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.56           | -0.06                | 0               | Ant 4a               | DUX2VGGPQLD | QPSK    | 100       | 0       | 0 mm | left       | 1:1     | 0.936          | 1.057            | 0.989     | 0.364              | 0.385  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 14.80                 | 14.77           | -0.02                | 0               | Ant 4a               | DUX2VGGPQLD | QPSK    | 50        | 0       | 0 mm | back       | 1:1     | 1.120          | 1.007            | 1.128     | 0.530              | 0.534  |     |
| 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 10-44**  
**LTE Band 25 Ant 4b Body SAR**

| MEASUREMENT RESULTS                      |       |      |                   |                             |                       |                                  |          |                 |                      |                      |         |           |         |      |            |                |                |                         |                |                         |        |
|------------------------------------------|-------|------|-------------------|-----------------------------|-----------------------|----------------------------------|----------|-----------------|----------------------|----------------------|---------|-----------|---------|------|------------|----------------|----------------|-------------------------|----------------|-------------------------|--------|
| FREQUENCY                                |       | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Spectral Density [dBm/MHz] | MPE [dB] | Antenna Config. | Device Serial Number | Modulation           | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (g) (W/kg) | Scaling Factor | Reported SAR (g) (W/kg) | SAR (g) (W/kg) | Reported SAR (g) (W/kg) | Plot # |
| MHz                                      | Ch.   |      |                   |                             |                       |                                  |          |                 |                      |                      |         |           |         |      |            |                |                |                         |                |                         |        |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.13                            | -0.03    | 0               | Ant 4b               | DLX2V08BPQLD         | QPSK    | 1         | 50      | 0 mm | back       | 1:1            | 0.786          | 1.089                   | 0.856          | 0.317                   | 0.345  |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 13.50                 | 12.97                            | -0.02    | 0               | Ant 4b               | DLX2V08BPQLD         | QPSK    | 1         | 50      | 0 mm | back       | 1:1            | 0.820          | 1.130                   | 0.927          | 0.324                   | 0.366  |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 13.50                 | 12.98                            | -0.03    | 0               | Ant 4b               | DLX2V08BPQLD         | QPSK    | 1         | 99      | 0 mm | back       | 1:1            | 0.914          | 1.127                   | 1.030          | 0.353                   | 0.398  |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.18                            | -0.03    | 0               | Ant 4b               | DLX2V08BPQLD         | QPSK    | 50        | 0       | 0 mm | back       | 1:1            | 0.778          | 1.076                   | 0.835          | 0.314                   | 0.338  |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.12                            | -0.04    | 0               | Ant 4b               | DLX2V08BPQLD         | QPSK    | 50        | 0       | 0 mm | back       | 1:1            | 0.864          | 1.091                   | 0.943          | 0.337                   | 0.368  |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.05                            | -0.02    | 0               | Ant 4b               | DLX2V08BPQLD         | QPSK    | 50        | 25      | 0 mm | back       | 1:1            | 0.853          | 1.109                   | 0.946          | 0.335                   | 0.372  |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.12                            | -0.03    | 0               | Ant 4b               | DLX2V08BPQLD         | QPSK    | 100       | 0       | 0 mm | back       | 1:1            | 0.799          | 1.091                   | 0.872          | 0.319                   | 0.348  |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.13                            | -0.03    | 0               | Ant 4b               | DLX2V08BPQLD         | QPSK    | 1         | 50      | 0 mm | top        | 1:1            | 0.562          | 1.089                   | 0.612          | 0.214                   | 0.253  |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.18                            | 0.16     | 0               | Ant 4b               | DLX2V08BPQLD         | QPSK    | 50        | 0       | 0 mm | top        | 1:1            | 0.578          | 1.076                   | 0.622          | 0.220                   | 0.237  |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.13                            | -0.17    | 0               | Ant 4b               | DLX2V08BPQLD         | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1            | 0.000          | 1.089                   | 0.000          | 0.000                   | 0.000  |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.18                            | 0.03     | 0               | Ant 4b               | DLX2V08BPQLD         | QPSK    | 50        | 0       | 0 mm | bottom     | 1:1            | 0.000          | 1.076                   | 0.000          | 0.000                   | 0.000  |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.13                            | 0.07     | 0               | Ant 4b               | DLX2V08BPQLD         | QPSK    | 1         | 50      | 0 mm | right      | 1:1            | 0.006          | 1.089                   | 0.007          | 0.002                   | 0.002  |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.18                            | 0.13     | 0               | Ant 4b               | DLX2V08BPQLD         | QPSK    | 50        | 0       | 0 mm | right      | 1:1            | 0.005          | 1.076                   | 0.005          | 0.001                   | 0.001  |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.13                            | -0.03    | 0               | Ant 4b               | DLX2V08BPQLD         | QPSK    | 1         | 50      | 0 mm | left       | 1:1            | 0.016          | 1.089                   | 0.017          | 0.007                   | 0.006  |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 13.50                 | 13.18                            | 0.01     | 0               | Ant 4b               | DLX2V08BPQLD         | QPSK    | 50        | 0       | 0 mm | left       | 1:1            | 0.017          | 1.076                   | 0.018          | 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 |         |           |         |      |            |                |                |                         |                |                         |        |

|                                         |                                                                                     |                              |                                        |
|-----------------------------------------|-------------------------------------------------------------------------------------|------------------------------|----------------------------------------|
| FCC ID: BCGA2069                        |  | <b>SAR EVALUATION REPORT</b> | <b>Approved by:</b><br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                              | DUT Type:<br>Tablet Device   | Page 251 of 297                        |

Table 10-45  
LTE Band 30 Ant 2a Body SAR

| MEASUREMENT RESULTS                                                                               |       |      |                 |                             |                       |                 |          |                 |                      |             |         |                                                 |         |      |            |          |                |                   |           |                    |        |  |
|---------------------------------------------------------------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|-----------------|----------|-----------------|----------------------|-------------|---------|-------------------------------------------------|---------|------|------------|----------|----------------|-------------------|-----------|--------------------|--------|--|
| FREQUENCY                                                                                         |       | Mode | Bandwidth (MHz) | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Delt (dB) | MPR (dB) | Antenna Config. | Device Serial Number | Modulation  | RB Size | RB Offset                                       | Spacing | Side | Duty Cycle | SAR (2g) | Scaling Factor | Reported SAR (2g) | SAR (10g) | Reported SAR (10g) | Plot # |  |
| MHz                                                                                               | Ch.   |      |                 |                             |                       |                 |          |                 |                      |             |         |                                                 |         |      |            | (W/kg)   | (W/kg)         | (W/kg)            | (W/kg)    | (W/kg)             |        |  |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 14.00                 | 13.26           | -0.02    | 0               | Ant 2a               | DLX2VGGPQLD | QPSK    | 1                                               | 25      | 0 mm | back       | 1:1      | 0.679          | 1.186             | 0.805     | 0.303              | 0.309  |  |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 14.00                 | 13.40           | 0.01     | 0               | Ant 2a               | DLX2VGGPQLD | QPSK    | 25                                              | 12      | 0 mm | back       | 1:1      | 0.753          | 1.148             | 0.864     | 0.339              | 0.389  |  |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 14.00                 | 13.25           | 0.00     | 0               | Ant 2a               | DLX2VGGPQLD | QPSK    | 50                                              | 0       | 0 mm | back       | 1:1      | 0.683          | 1.189             | 0.812     | 0.307              | 0.365  |  |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 11.00                 | 10.25           | -0.01    | 0               | Ant 2a               | DLX2VGGPQLD | QPSK    | 1                                               | 25      | 0 mm | back       | 1:1      | 0.366          | 1.189             | 0.435     | 0.168              | 0.200  |  |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 11.00                 | 10.37           | 0.00     | 0               | Ant 2a               | DLX2VGGPQLD | QPSK    | 25                                              | 12      | 0 mm | back       | 1:1      | 0.364          | 1.156             | 0.421     | 0.166              | 0.192  |  |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 14.00                 | 13.26           | 0.04     | 0               | Ant 2a               | DLX2VGGPQLD | QPSK    | 1                                               | 25      | 0 mm | top        | 1:1      | 0.024          | 1.186             | 0.028     | 0.011              | 0.013  |  |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 14.00                 | 13.40           | 0.16     | 0               | Ant 2a               | DLX2VGGPQLD | QPSK    | 25                                              | 12      | 0 mm | top        | 1:1      | 0.021          | 1.148             | 0.024     | 0.010              | 0.011  |  |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 14.00                 | 13.26           | -0.03    | 0               | Ant 2a               | DLX2VGGPQLD | QPSK    | 1                                               | 25      | 0 mm | bottom     | 1:1      | 0.393          | 1.186             | 0.464     | 0.126              | 0.149  |  |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 14.00                 | 13.40           | -0.02    | 0               | Ant 2a               | DLX2VGGPQLD | QPSK    | 25                                              | 12      | 0 mm | bottom     | 1:1      | 0.382          | 1.148             | 0.439     | 0.123              | 0.141  |  |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 14.00                 | 13.26           | 0.04     | 0               | Ant 2a               | DLX2VGGPQLD | QPSK    | 1                                               | 25      | 0 mm | right      | 1:1      | 0.451          | 1.186             | 0.535     | 0.164              | 0.195  |  |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 14.00                 | 13.40           | 0.03     | 0               | Ant 2a               | DLX2VGGPQLD | QPSK    | 25                                              | 12      | 0 mm | right      | 1:1      | 0.435          | 1.148             | 0.499     | 0.160              | 0.184  |  |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 14.00                 | 13.26           | 0.17     | 0               | Ant 2a               | DLX2VGGPQLD | QPSK    | 1                                               | 25      | 0 mm | left       | 1:1      | 0.005          | 1.186             | 0.006     | 0.002              | 0.002  |  |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 14.00                 | 13.40           | 0.04     | 0               | Ant 2a               | DLX2VGGPQLD | QPSK    | 25                                              | 12      | 0 mm | left       | 1:1      | 0.005          | 1.148             | 0.006     | 0.002              | 0.002  |  |
| 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 30 Ant 2b Body SAR

| MEASUREMENT RESULTS                                                                               |       |      |                 |                             |                       |                 |          |                 |                      |             |         |           |         |      |            |                                                 |                |                   |           |                    |         |
|---------------------------------------------------------------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|-----------------|----------|-----------------|----------------------|-------------|---------|-----------|---------|------|------------|-------------------------------------------------|----------------|-------------------|-----------|--------------------|---------|
| FREQUENCY                                                                                         |       | Mode | Bandwidth (MHz) | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Delt (dB) | MPR (dB) | Antenna Config. | Device Serial Number | Modulation  | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (1g)                                        | Scaling Factor | Reported SAR (1g) | SAR (10g) | Reported SAR (10g) | Pilot # |
| MHz                                                                                               | Ch.   |      |                 |                             |                       |                 |          |                 |                      |             |         |           |         |      |            | (W/kg)                                          | (W/kg)         | (W/kg)            | (W/kg)    |                    |         |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 12.46           | 0.01     | 0               | Ant 2b               | DLX2VGGPQLD | QPSK    | 1         | 25      | 0 mm | back       | 1:1                                             | 0.847          | 1.159             | 0.962     | 0.314              | 0.364   |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 12.46           | 0.01     | 0               | Ant 2b               | DLX2VGGPQLD | QPSK    | 25        | 12      | 0 mm | back       | 1:1                                             | 0.843          | 1.159             | 0.977     | 0.310              | 0.359   |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 12.44           | 0.00     | 0               | Ant 2b               | DLX2VGGPQLD | QPSK    | 50        | 0       | 0 mm | back       | 1:1                                             | 0.899          | 1.164             | 1.046     | 0.329              | 0.383   |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 10.10                 | 9.06            | 0.01     | 0               | Ant 2b               | DLX2VGGPQLD | QPSK    | 1         | 25      | 0 mm | back       | 1:1                                             | 0.398          | 1.271             | 0.506     | 0.145              | 0.184   |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 10.10                 | 9.05            | 0.01     | 0               | Ant 2b               | DLX2VGGPQLD | QPSK    | 25        | 25      | 0 mm | back       | 1:1                                             | 0.412          | 1.274             | 0.525     | 0.149              | 0.190   |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 12.46           | 0.06     | 0               | Ant 2b               | DLX2VGGPQLD | QPSK    | 1         | 25      | 0 mm | top        | 1:1                                             | 0.005          | 1.159             | 0.006     | 0.003              | 0.003   |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 12.46           | 0.09     | 0               | Ant 2b               | DLX2VGGPQLD | QPSK    | 25        | 12      | 0 mm | top        | 1:1                                             | 0.005          | 1.159             | 0.006     | 0.003              | 0.003   |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 12.46           | 0.02     | 0               | Ant 2b               | DLX2VGGPQLD | QPSK    | 1         | 25      | 0 mm | bottom     | 1:1                                             | 0.381          | 1.159             | 0.442     | 0.140              | 0.162   |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 12.46           | 0.19     | 0               | Ant 2b               | DLX2VGGPQLD | QPSK    | 25        | 12      | 0 mm | bottom     | 1:1                                             | 0.374          | 1.159             | 0.433     | 0.136              | 0.158   |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 12.46           | -0.02    | 0               | Ant 2b               | DLX2VGGPQLD | QPSK    | 1         | 25      | 0 mm | right      | 1:1                                             | 0.034          | 1.159             | 0.039     | 0.016              | 0.019   |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 12.46           | 0.01     | 0               | Ant 2b               | DLX2VGGPQLD | QPSK    | 25        | 12      | 0 mm | right      | 1:1                                             | 0.035          | 1.159             | 0.041     | 0.002              | 0.002   |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 12.46           | 0.11     | 0               | Ant 2b               | DLX2VGGPQLD | QPSK    | 1         | 25      | 0 mm | left       | 1:1                                             | 0.024          | 1.159             | 0.028     | 0.011              | 0.013   |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.10                 | 12.46           | 0.03     | 0               | Ant 2b               | DLX2VGGPQLD | QPSK    | 25        | 12      | 0 mm | left       | 1:1                                             | 0.024          | 1.159             | 0.028     | 0.011              | 0.013   |
| 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 30 Ant 4a Body SAR

| MEASUREMENT RESULTS                                                                               |       |      |                 |                             |                       |                 |          |                 |                      |                                                 |         |           |         |      |            |          |                |                   |           |                    |        |     |
|---------------------------------------------------------------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|-----------------|----------|-----------------|----------------------|-------------------------------------------------|---------|-----------|---------|------|------------|----------|----------------|-------------------|-----------|--------------------|--------|-----|
| FREQUENCY                                                                                         |       | Mode | Bandwidth (MHz) | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Delt (dB) | MPR (dB) | Antenna Config. | Device Serial Number | Modulation                                      | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (2g) | Scaling Factor | Reported SAR (2g) | SAR (10g) | Reported SAR (10g) | Plot # |     |
| MHz                                                                                               | Ch.   |      |                 |                             |                       |                 |          |                 |                      |                                                 |         |           |         |      |            | (W/kg)   |                | (W/kg)            | (W/kg)    |                    |        |     |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.50                 | 13.49           | 0.00     | 0               | Ant 4a               | DLX2VGGPQLD                                     | QPSK    | 1         | 0       | 0 mm | back       | 1:1      | 1.040          | 1.002             | 1.042     | 0.399              | 0.390  | A16 |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.50                 | 13.50           | -0.01    | 0               | Ant 4a               | DLX2VGGPQLD                                     | QPSK    | 25        | 0       | 0 mm | back       | 1:1      | 1.080          | 1.000             | 1.080     | 0.398              | 0.398  |     |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.50                 | 13.43           | 0.02     | 0               | Ant 4a               | DLX2VGGPQLD                                     | QPSK    | 50        | 0       | 0 mm | back       | 1:1      | 1.070          | 1.016             | 1.087     | 0.384              | 0.400  |     |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 10.50                 | 10.08           | -0.01    | 0               | Ant 4a               | DLX2VGGPQLD                                     | QPSK    | 1         | 49      | 0 mm | back       | 1:1      | 0.368          | 1.102             | 0.406     | 0.169              | 0.186  |     |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 10.50                 | 10.18           | -0.03    | 0               | Ant 4a               | DLX2VGGPQLD                                     | QPSK    | 25        | 25      | 0 mm | back       | 1:1      | 0.383          | 1.076             | 0.412     | 0.174              | 0.187  |     |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.50                 | 13.49           | -0.03    | 0               | Ant 4a               | DLX2VGGPQLD                                     | QPSK    | 1         | 0       | 0 mm | top        | 1:1      | 0.313          | 1.002             | 0.314     | 0.103              | 0.103  |     |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.50                 | 13.50           | 0.02     | 0               | Ant 4a               | DLX2VGGPQLD                                     | QPSK    | 25        | 0       | 0 mm | top        | 1:1      | 0.326          | 1.000             | 0.326     | 0.107              | 0.107  |     |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.50                 | 13.49           | 0.03     | 0               | Ant 4a               | DLX2VGGPQLD                                     | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1      | 0.023          | 1.002             | 0.023     | 0.011              | 0.011  |     |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.50                 | 13.50           | 0.15     | 0               | Ant 4a               | DLX2VGGPQLD                                     | QPSK    | 25        | 0       | 0 mm | bottom     | 1:1      | 0.023          | 1.000             | 0.023     | 0.011              | 0.011  |     |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.50                 | 13.49           | -0.06    | 0               | Ant 4a               | DLX2VGGPQLD                                     | QPSK    | 1         | 0       | 0 mm | right      | 1:1      | 0.002          | 1.002             | 0.002     | 0.001              | 0.001  |     |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.50                 | 13.50           | 0.18     | 0               | Ant 4a               | DLX2VGGPQLD                                     | QPSK    | 25        | 0       | 0 mm | right      | 1:1      | 0.003          | 1.000             | 0.003     | 0.001              | 0.001  |     |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.50                 | 13.49           | 0.09     | 0               | Ant 4a               | DLX2VGGPQLD                                     | QPSK    | 1         | 0       | 0 mm | left       | 1:1      | 0.458          | 1.002             | 0.459     | 0.168              | 0.168  |     |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.50                 | 13.50           | 0.06     | 0               | Ant 4a               | DLX2VGGPQLD                                     | QPSK    | 25        | 0       | 0 mm | left       | 1:1      | 0.492          | 1.000             | 0.492     | 0.181              | 0.181  |     |
| 2310.00                                                                                           | 27710 | Md   | LTE Band 30     | 10                          | 13.50                 | 13.50           | 0.02     | 0               | Ant 4a               | DLX2VGGPQLD                                     | QPSK    | 25        | 0       | 0 mm | back       | 1:1      | 0.900          | 1.000             | 0.400     | 0.399              | 0.399  |     |
| 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 |         |           |         |      |            |          |                |                   |           |                    |        |     |

Note: Blue entry represents variability measurement.

|                                         |                                                                                                           |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  SAR EVALUATION REPORT |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                    | DUT Type:<br>Tablet Device | Page 252 of 297                 |

Table 10-48  
LTE Band 30 Ant 4b Body SAR

| MEASUREMENT RESULTS                                                                               |       |      |                 |                             |                       |                 |          |                                                 |                      |             |         |           |         |      |            |                 |                |                          |                 |                          |       |
|---------------------------------------------------------------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|-----------------|----------|-------------------------------------------------|----------------------|-------------|---------|-----------|---------|------|------------|-----------------|----------------|--------------------------|-----------------|--------------------------|-------|
| FREQUENCY                                                                                         |       | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Dens [dB] | MPD [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 (kg) (W/kg) | Reported SAR (kg) (W/kg) | Plot  |
| MHz                                                                                               | Ch.   |      |                 |                             |                       |                 |          |                                                 |                      |             |         |           |         |      |            |                 |                |                          |                 |                          |       |
| 2310.00                                                                                           | 27710 | Mtd  | LTE Band 30     | 10                          | 13.50                 | 13.02           | -0.02    | 0                                               | Ant 4b               | DLX2VGGPQLD | QPSK    | 1         | 0       | 0 mm | back       | 1:1             | 0.952          | 1.117                    | 1.063           | 0.356                    | 0.400 |
| 2310.00                                                                                           | 27710 | Mtd  | LTE Band 30     | 10                          | 13.50                 | 12.99           | -0.08    | 0                                               | Ant 4b               | DLX2VGGPQLD | QPSK    | 25        | 0       | 0 mm | back       | 1:1             | 0.974          | 1.125                    | 1.096           | 0.362                    | 0.407 |
| 2310.00                                                                                           | 27710 | Mtd  | LTE Band 30     | 10                          | 13.50                 | 12.93           | -0.01    | 0                                               | Ant 4b               | DLX2VGGPQLD | QPSK    | 50        | 0       | 0 mm | back       | 1:1             | 0.971          | 1.140                    | 1.107           | 0.362                    | 0.413 |
| 2310.00                                                                                           | 27710 | Mtd  | LTE Band 30     | 10                          | 10.50                 | 10.36           | -0.19    | 0                                               | Ant 4b               | DLX2VGGPQLD | QPSK    | 1         | 25      | 0 mm | back       | 1:1             | 0.473          | 1.033                    | 0.489           | 0.179                    | 0.185 |
| 2310.00                                                                                           | 27710 | Mtd  | LTE Band 30     | 10                          | 10.50                 | 10.50           | -0.11    | 0                                               | Ant 4b               | DLX2VGGPQLD | QPSK    | 25        | 25      | 0 mm | back       | 1:1             | 0.463          | 1.000                    | 0.463           | 0.179                    | 0.179 |
| 2310.00                                                                                           | 27710 | Mtd  | LTE Band 30     | 10                          | 13.50                 | 13.02           | -0.01    | 0                                               | Ant 4b               | DLX2VGGPQLD | QPSK    | 1         | 0       | 0 mm | top        | 1:1             | 0.562          | 1.117                    | 0.628           | 0.205                    | 0.229 |
| 2310.00                                                                                           | 27710 | Mtd  | LTE Band 30     | 10                          | 13.50                 | 12.99           | -0.01    | 0                                               | Ant 4b               | DLX2VGGPQLD | QPSK    | 25        | 0       | 0 mm | top        | 1:1             | 0.571          | 1.125                    | 0.642           | 0.207                    | 0.233 |
| 2310.00                                                                                           | 27710 | Mtd  | LTE Band 30     | 10                          | 13.50                 | 13.02           | -0.03    | 0                                               | Ant 4b               | DLX2VGGPQLD | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1             | 0.004          | 1.117                    | 0.004           | 0.002                    | 0.002 |
| 2310.00                                                                                           | 27710 | Mtd  | LTE Band 30     | 10                          | 13.50                 | 12.99           | -0.01    | 0                                               | Ant 4b               | DLX2VGGPQLD | QPSK    | 25        | 0       | 0 mm | bottom     | 1:1             | 0.004          | 1.125                    | 0.005           | 0.002                    | 0.002 |
| 2310.00                                                                                           | 27710 | Mtd  | LTE Band 30     | 10                          | 13.50                 | 13.02           | 0.14     | 0                                               | Ant 4b               | DLX2VGGPQLD | QPSK    | 1         | 0       | 0 mm | right      | 1:1             | 0.024          | 1.117                    | 0.027           | 0.011                    | 0.012 |
| 2310.00                                                                                           | 27710 | Mtd  | LTE Band 30     | 10                          | 13.50                 | 12.99           | 0.08     | 0                                               | Ant 4b               | DLX2VGGPQLD | QPSK    | 25        | 0       | 0 mm | right      | 1:1             | 0.025          | 1.125                    | 0.028           | 0.012                    | 0.014 |
| 2310.00                                                                                           | 27710 | Mtd  | LTE Band 30     | 10                          | 13.50                 | 13.02           | 0.12     | 0                                               | Ant 4b               | DLX2VGGPQLD | QPSK    | 1         | 0       | 0 mm | left       | 1:1             | 0.038          | 1.117                    | 0.042           | 0.017                    | 0.019 |
| 2310.00                                                                                           | 27710 | Mtd  | LTE Band 30     | 10                          | 13.50                 | 12.99           | -0.10    | 0                                               | Ant 4b               | DLX2VGGPQLD | QPSK    | 25        | 0       | 0 mm | left       | 1:1             | 0.040          | 1.125                    | 0.045           | 0.018                    | 0.020 |
| 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 10-49  
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 Dens [dB] | MPD [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 (kg) (W/kg) | Reported SAR (kg) (W/kg) | Plot # |  |
|                                                                                                   |                   | MHz       | Ch.   |      |                 |                             |                       |                 |          |                 |                      |                                                 |         |           |         |        |            | (mW/g)          |                | (dBm)                    |                 | (dBm)                    |        |  |
| 1 CC Uplink                                                                                       | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 14.10                 | -0.01           | 0        | Ant 2a          | DLX2VGGPQLD          | QPSK                                            | 1       | 0         | 0 mm    | back   | 1:1        | 0.908           | 1.000          | 0.908                    | 0.351           | 0.351                    |        |  |
| 1 CC Uplink                                                                                       | N/A               | 2528.00   | 21100 | Mtd  | LTE Band 7      | 20                          | 14.10                 | -0.04           | 0        | Ant 2a          | DLX2VGGPQLD          | QPSK                                            | 1       | 0         | 0 mm    | back   | 1:1        | 0.964           | 1.002          | 0.966                    | 0.377           | 0.378                    |        |  |
| 1 CC Uplink                                                                                       | N/A               | 2560.00   | 21350 | High | LTE Band 7      | 20                          | 14.10                 | -0.01           | 0        | Ant 2a          | DLX2VGGPQLD          | QPSK                                            | 1       | 0         | 0 mm    | back   | 1:1        | 0.969           | 1.028          | 0.996                    | 0.370           | 0.380                    |        |  |
| 1 CC Uplink                                                                                       | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 14.10                 | -0.02           | 0        | Ant 2a          | DLX2VGGPQLD          | QPSK                                            | 50      | 0         | 0 mm    | back   | 1:1        | 0.895           | 1.002          | 0.897                    | 0.346           | 0.347                    |        |  |
| 1 CC Uplink                                                                                       | N/A               | 2528.00   | 21100 | Mtd  | LTE Band 7      | 20                          | 14.10                 | -0.02           | 0        | Ant 2a          | DLX2VGGPQLD          | QPSK                                            | 50      | 0         | 0 mm    | back   | 1:1        | 0.952           | 1.042          | 0.992                    | 0.351           | 0.366                    |        |  |
| 1 CC Uplink                                                                                       | N/A               | 2560.00   | 21350 | High | LTE Band 7      | 20                          | 14.10                 | -0.01           | 0        | Ant 2a          | DLX2VGGPQLD          | QPSK                                            | 50      | 0         | 0 mm    | back   | 1:1        | 0.905           | 1.035          | 0.957                    | 0.352           | 0.364                    |        |  |
| 1 CC Uplink                                                                                       | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 14.10                 | -0.01           | 0        | Ant 2a          | DLX2VGGPQLD          | QPSK                                            | 100     | 0         | 0 mm    | back   | 1:1        | 0.905           | 1.005          | 0.939                    | 0.356           | 0.358                    |        |  |
| 1 CC Uplink                                                                                       | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 11.10                 | 10.84           | -0.03    | 0               | Ant 2a               | DLX2VGGPQLD                                     | QPSK    | 1         | 0       | 0 mm   | back       | 1:1             | 0.405          | 1.062                    | 0.430           | 0.175                    | 0.186  |  |
| 1 CC Uplink                                                                                       | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 11.10                 | 10.83           | -0.08    | 0               | Ant 2a               | DLX2VGGPQLD                                     | QPSK    | 50        | 0       | 0 mm   | back       | 1:1             | 0.388          | 1.064                    | 0.413           | 0.168                    | 0.179  |  |
| 2 CC Uplink                                                                                       | PCC               | 2560.00   | 21350 | High | LTE Band 7      | 20                          |                       |                 |          |                 |                      |                                                 | 1       | 0         |         |        |            |                 |                |                          |                 |                          |        |  |
| 2 CC Uplink                                                                                       | SCC               | 2540.20   | 21152 | High | LTE Band 7      | 20                          | 14.10                 | -0.03           | 0        | Ant 2a          | DLX2VGGPQLD          | QPSK                                            | 1       | 99        | 0 mm    | back   | 1:1        | 0.842           | 1.138          | 0.958                    | 0.360           | 0.410                    |        |  |
| 1 CC Uplink                                                                                       | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 14.10                 | -0.18           | 0        | Ant 2a          | DLX2VGGPQLD          | QPSK                                            | 1       | 0         | 0 mm    | top    | 1:1        | 0.022           | 1.000          | 0.022                    | 0.009           | 0.009                    |        |  |
| 1 CC Uplink                                                                                       | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 14.10                 | -0.03           | 0        | Ant 2a          | DLX2VGGPQLD          | QPSK                                            | 50      | 0         | 0 mm    | top    | 1:1        | 0.022           | 1.002          | 0.022                    | 0.009           | 0.008                    |        |  |
| 1 CC Uplink                                                                                       | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 14.10                 | -0.20           | 0        | Ant 2a          | DLX2VGGPQLD          | QPSK                                            | 1       | 0         | 0 mm    | bottom | 1:1        | 0.533           | 1.000          | 0.533                    | 0.162           | 0.162                    |        |  |
| 1 CC Uplink                                                                                       | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 14.10                 | -0.02           | 0        | Ant 2a          | DLX2VGGPQLD          | QPSK                                            | 50      | 0         | 0 mm    | bottom | 1:1        | 0.528           | 1.002          | 0.527                    | 0.160           | 0.160                    |        |  |
| 1 CC Uplink                                                                                       | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 14.10                 | -0.03           | 0        | Ant 2a          | DLX2VGGPQLD          | QPSK                                            | 1       | 0         | 0 mm    | right  | 1:1        | 0.479           | 1.000          | 0.479                    | 0.162           | 0.162                    |        |  |
| 1 CC Uplink                                                                                       | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 14.10                 | -0.03           | 0        | Ant 2a          | DLX2VGGPQLD          | QPSK                                            | 50      | 0         | 0 mm    | right  | 1:1        | 0.486           | 1.002          | 0.487                    | 0.164           | 0.164                    |        |  |
| 1 CC Uplink                                                                                       | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 14.10                 | -0.02           | 0        | Ant 2a          | DLX2VGGPQLD          | QPSK                                            | 1       | 0         | 0 mm    | left   | 1:1        | 0.004           | 1.000          | 0.004                    | 0.001           | 0.001                    |        |  |
| 1 CC Uplink                                                                                       | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 14.10                 | -0.15           | 0        | Ant 2a          | DLX2VGGPQLD          | QPSK                                            | 50      | 0         | 0 mm    | left   | 1:1        | 0.003           | 1.002          | 0.003                    | 0.001           | 0.001                    |        |  |
| 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 10-50  
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/MHz] | MPD [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 (kg) (W/kg) | Reported SAR (kg) (W/kg) | Plot # |
|                                        |                   | MHz       | Ch.   |      |                 |                             |                       |                                  |          |                 |                      |                      |         |           |         |      |            |                 |                |                          |                 |                          |        |
| 1 CC Uplink                            | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 11.80                 | 11.80                            | -0.01    | 0               | Ant 2b               | DLX2VGGPQLD          | QPSK    | 1         | 0       | 0 mm | back       | 1:1             | 1.000          | 1.000                    | 1.000           | 0.365                    | 0.365  |
| 1 CC Uplink                            | N/A               | 2528.00   | 21100 | Mid  | LTE Band 7      | 20                          | 11.80                 | 11.56                            | -0.03    | 0               | Ant 2b               | DLX2VGGPQLD          | QPSK    | 1         | 0       | 0 mm | back       | 1:1             | 0.993          | 1.007                    | 1.000           | 0.347                    | 0.347  |
| 1 CC Uplink                            | N/A               | 2560.00   | 21350 | High | LTE Band 7      | 20                          | 11.80                 | 11.38                            | -0.02    | 0               | Ant 2b               | DLX2VGGPQLD          | QPSK    | 1         | 99      | 0 mm | back       | 1:1             | 0.896          | 1.102                    | 0.976           | 0.305                    | 0.336  |
| 1 CC Uplink                            | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 11.80                 | 11.70                            | -0.01    | 0               | Ant 2b               | DLX2VGGPQLD          | QPSK    | 50        | 25      | 0 mm | back       | 1:1             | 0.984          | 1.023                    | 1.007           | 0.347                    | 0.355  |
| 1 CC Uplink                            | N/A               | 2528.00   | 21100 | Mid  | LTE Band 7      | 20                          | 11.80                 | 11.54                            | -0.04    | 0               | Ant 2b               | DLX2VGGPQLD          | QPSK    | 50        | 0       | 0 mm | back       | 1:1             | 0.963          | 1.062                    | 1.023           | 0.305                    | 0.356  |
| 1 CC Uplink                            | N/A               | 2560.00   | 21350 | High | LTE Band 7      | 20                          | 11.80                 | 11.28                            | -0.05    | 0               | Ant 2b               | DLX2VGGPQLD          | QPSK    | 50        | 0       | 0 mm | back       | 1:1             | 0.909          | 1.127                    | 1.024           | 0.316                    | 0.356  |
| 1 CC Uplink                            | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 11.80                 | 11.69                            | -0.03    | 0               | Ant 2b               | DLX2VGGPQLD          | QPSK    | 100       | 0       | 0 mm | back       | 1:1             | 0.972          | 1.026                    | 0.997           | 0.343                    | 0.352  |
| 1 CC Uplink                            | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 8.80                  | 8.80                             | -0.07    | 0               | Ant 2b               | DLX2VGGPQLD          | QPSK    | 1         | 99      | 0 mm | back       | 1:1             | 0.501          | 1.000                    | 0.501           | 0.161                    | 0.161  |
| 1 CC Uplink                            | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 8.80                  | 8.79                             | -0.02    | 0               | Ant 2b               | DLX2VGGPQLD          | QPSK    | 50        | 0       | 0 mm | back       | 1:1             | 0.459          | 1.002                    | 0.460           | 0.166                    | 0.166  |
| 2 CC Uplink                            | PCC               | 2528.00   | 21100 | Mid  | LTE Band 7      | 20                          | 11.80                 | 11.49                            | -0.04    | 0               | Ant 2b               | DLX2VGGPQLD          | QPSK    | 1         | 0       | 0 mm | back       | 1:1             | 0.929          | 1.074                    | 0.998           | 0.305                    | 0.360  |
| 2 CC Uplink                            | SCC               | 2515.20   | 20902 | Mid  | LTE Band 7      | 20                          | 11.80                 | 11.80                            | 0.18     | 0               | Ant 2b               | DLX2VGGPQLD          | QPSK    | 1         | 99      | 0 mm | back       | 1:1             | 0.000          | 1.000                    | 0.000           | 0.000                    | 0.000  |
| 1 CC Uplink                            | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 11.80                 | 11.80                            | 0.18     | 0               | Ant 2b               | DLX2VGGPQLD          | QPSK    | 1         | 0       | 0 mm | top        | 1:1             | 0.000          | 1.023                    | 0.000           | 0.000                    | 0.000  |
| 1 CC Uplink                            | N/A               | 2528.00   | 21100 | Mid  | LTE Band 7      | 20                          | 11.80                 | 11.70                            | 0.00     | 0               | Ant 2b               | DLX2VGGPQLD          | QPSK    | 50        | 25      | 0 mm | top        | 1:1             | 0.000          | 1.023                    | 0.000           | 0.000                    | 0.000  |
| 1 CC Uplink                            | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 11.80                 | 11.80                            | -0.02    | 0               | Ant 2b               | DLX2VGGPQLD          | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1             | 0.400          | 1.000                    | 0.420           | 0.146                    | 0.146  |
| 1 CC Uplink                            | N/A               | 2528.00   | 21100 | Mid  | LTE Band 7      | 20                          | 11.80                 | 11.70                            | -0.05    | 0               | Ant 2b               | DLX2VGGPQLD          | QPSK    | 50        | 25      | 0 mm | bottom     | 1:1             | 0.375          | 1.023                    | 0.384           | 0.130                    | 0.133  |
| 1 CC Uplink                            | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 11.80                 | 11.80                            | -0.04    | 0               | Ant 2b               | DLX2VGGPQLD          | QPSK    | 1         | 0       | 0 mm | right      | 1:1             | 0.042          | 1.000                    | 0.042           | 0.016                    | 0.016  |
| 1 CC Uplink                            | N/A               | 2528.00   | 21100 | Mid  | LTE Band 7      | 20                          | 11.80                 | 11.70                            | 0.15     | 0               | Ant 2b               | DLX2VGGPQLD          | QPSK    | 50        | 25      | 0 mm | right      | 1:1             | 0.044          | 1.023                    | 0.045           | 0.017                    | 0.017  |
| 1 CC Uplink                            | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 11.80                 | 11.80                            | 0.01     | 0               | Ant 2b               | DLX2VGGPQLD          | QPSK    | 1         | 0       | 0 mm | left       | 1:1             | 0.021          | 1.000                    | 0.021           | 0.008                    | 0.008  |
| 1 CC Uplink                            | N/A               | 2510.00   | 20850 | Low  | LTE Band 7      | 20                          | 11.80                 | 11.70                            | -0.14    | 0               | Ant 2b               | DLX2VGGPQLD          | QPSK    | 50        | 25      | 0 mm | left       | 1:1             | 0.019          | 1.023                    | 0.019           | 0.007                    | 0.007  |
| ANSI / IEEE C63.13-2022 - SAFETY LIMIT |                   |           |       |      |                 |                             |                       |                                  |          |                 |                      | Body                 |         |           |         |      |            |                 |                |                          |                 |                          |        |
| Spatial Peak                           |                   |           |       |      |                 |                             |                       |                                  |          |                 |                      | 2.6 W/kg (mW/g)      |         |           |         |      |            |                 |                |                          |                 |                          |        |
| Uncontrolled / General Population      |                   |           |       |      |                 |                             |                       |                                  |          |                 |                      | max. 1.0 W/kg (mW/g) |         |           |         |      |            |                 |                |                          |                 |                          |        |

**Table 10-51**  
**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 Spk [dB] | MPE [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 (kg) (W/kg) | Reported SAR (kg) (W/kg) | Plot # |  |
|                                       |                   | Mhz       | Ch    |      |                 |                             |                       |                |          |                                          |                      |              |         |           |         |      |            |                 |                |                          |                 |                          |        |  |
| 1 CC Uplink                           | N/A               | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.60                 | 14.45          | -0.05    | 0                                        | Ant 4a               | DLX2V00QPQLD | QPSK    | 1         | 0       | 0 mm | back       | 1:1             | 0.970          | 1.035                    | 1.004           | 0.389                    | 0.403  |  |
| 1 CC Uplink                           | N/A               | 2525.00   | 21100 | Mid  | LTE Band 7      | 20                          | 14.60                 | 14.39          | -0.01    | 0                                        | Ant 4a               | DLX2V00QPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1             | 0.973          | 1.050                    | 1.022           | 0.386                    | 0.405  |  |
| 1 CC Uplink                           | N/A               | 2560.00   | 21350 | High | LTE Band 7      | 20                          | 14.60                 | 14.57          | -0.04    | 0                                        | Ant 4a               | DLX2V00QPQLD | QPSK    | 1         | 0       | 0 mm | back       | 1:1             | 0.811          | 1.007                    | 0.817           | 0.360                    | 0.363  |  |
| 1 CC Uplink                           | N/A               | 2590.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.60                 | 14.21          | -0.02    | 0                                        | Ant 4a               | DLX2V00QPQLD | QPSK    | 50        | 0       | 0 mm | back       | 1:1             | 0.972          | 1.094                    | 1.063           | 0.389                    | 0.426  |  |
| 1 CC Uplink                           | N/A               | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 14.60                 | 14.02          | -0.04    | 0                                        | Ant 4a               | DLX2V00QPQLD | QPSK    | 50        | 50      | 0 mm | back       | 1:1             | 0.948          | 1.143                    | 1.084           | 0.406                    | 0.464  |  |
| 1 CC Uplink                           | N/A               | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 14.60                 | 14.30          | 0.00     | 0                                        | Ant 4a               | DLX2V00QPQLD | QPSK    | 50        | 50      | 0 mm | back       | 1:1             | 0.969          | 1.072                    | 1.039           | 0.385                    | 0.413  |  |
| 1 CC Uplink                           | N/A               | 2560.00   | 21350 | High | LTE Band 7      | 20                          | 14.60                 | 14.31          | -0.03    | 0                                        | Ant 4a               | DLX2V00QPQLD | QPSK    | 50        | 0       | 0 mm | back       | 1:1             | 0.881          | 1.089                    | 0.942           | 0.347                    | 0.371  |  |
| 1 CC Uplink                           | N/A               | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 14.60                 | 14.29          | 0.00     | 0                                        | Ant 4a               | DLX2V00QPQLD | QPSK    | 100       | 0       | 0 mm | back       | 1:1             | 0.987          | 1.074                    | 1.060           | 0.392                    | 0.421  |  |
| 1 CC Uplink                           | N/A               | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 11.60                 | 11.52          | -0.04    | 0                                        | Ant 4a               | DLX2V00QPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1             | 0.513          | 1.039                    | 0.523           | 0.230                    | 0.224  |  |
| 1 CC Uplink                           | N/A               | 2525.00   | 21100 | Mid  | LTE Band 7      | 20                          | 11.60                 | 11.37          | -0.02    | 0                                        | Ant 4a               | DLX2V00QPQLD | QPSK    | 50        | 50      | 0 mm | back       | 1:1             | 0.509          | 1.054                    | 0.536           | 0.218                    | 0.230  |  |
| 2 CC Uplink                           | PCC               | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          |                       |                |          |                                          |                      |              | 50      | 50        |         |      |            |                 |                |                          |                 |                          |        |  |
| 2 CC Uplink                           | SCC               | 2529.80   | 20948 | Low  | LTE Band 7      | 20                          | 14.60                 | 11.95          | 0.01     | 0                                        | Ant 4a               | DLX2V00QPQLD | QPSK    | 50        | 0       | 0 mm | back       | 1:1             | 0.955          | 1.161                    | 1.109           | 0.412                    | 0.478  |  |
| 1 CC Uplink                           | N/A               | 2560.00   | 21350 | High | LTE Band 7      | 20                          | 14.60                 | 14.57          | -0.07    | 0                                        | Ant 4a               | DLX2V00QPQLD | QPSK    | 1         | 0       | 0 mm | top        | 1:1             | 0.482          | 1.007                    | 0.465           | 0.140                    | 0.141  |  |
| 1 CC Uplink                           | N/A               | 2560.00   | 21350 | High | LTE Band 7      | 20                          | 14.60                 | 14.31          | -0.08    | 0                                        | Ant 4a               | DLX2V00QPQLD | QPSK    | 50        | 0       | 0 mm | top        | 1:1             | 0.426          | 1.069                    | 0.455           | 0.129                    | 0.138  |  |
| 1 CC Uplink                           | N/A               | 2560.00   | 21350 | High | LTE Band 7      | 20                          | 14.60                 | 14.57          | -0.13    | 0                                        | Ant 4a               | DLX2V00QPQLD | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1             | 0.016          | 1.007                    | 0.016           | 0.006                    | 0.006  |  |
| 1 CC Uplink                           | N/A               | 2560.00   | 21350 | High | LTE Band 7      | 20                          | 14.60                 | 14.31          | -0.07    | 0                                        | Ant 4a               | DLX2V00QPQLD | QPSK    | 50        | 0       | 0 mm | bottom     | 1:1             | 0.014          | 1.069                    | 0.015           | 0.005                    | 0.005  |  |
| 1 CC Uplink                           | N/A               | 2560.00   | 21350 | High | LTE Band 7      | 20                          | 14.60                 | 14.57          | 0.04     | 0                                        | Ant 4a               | DLX2V00QPQLD | QPSK    | 1         | 0       | 0 mm | right      | 1:1             | 0.001          | 1.007                    | 0.001           | 0.000                    | 0.000  |  |
| 1 CC Uplink                           | N/A               | 2560.00   | 21350 | High | LTE Band 7      | 20                          | 14.60                 | 14.31          | -0.11    | 0                                        | Ant 4a               | DLX2V00QPQLD | QPSK    | 50        | 0       | 0 mm | right      | 1:1             | 0.001          | 1.069                    | 0.001           | 0.000                    | 0.000  |  |
| 1 CC Uplink                           | N/A               | 2560.00   | 21350 | High | LTE Band 7      | 20                          | 14.60                 | 14.57          | -0.02    | 0                                        | Ant 4a               | DLX2V00QPQLD | QPSK    | 1         | 0       | 0 mm | left       | 1:1             | 0.400          | 1.007                    | 0.403           | 0.171                    | 0.172  |  |
| 1 CC Uplink                           | N/A               | 2560.00   | 21350 | High | LTE Band 7      | 20                          | 14.60                 | 14.31          | -0.02    | 0                                        | Ant 4a               | DLX2V00QPQLD | QPSK    | 50        | 0       | 0 mm | left       | 1:1             | 0.442          | 1.069                    | 0.472           | 0.153                    | 0.164  |  |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT |                   |           |       |      |                 |                             |                       |                |          | Body                                     |                      |              |         |           |         |      |            |                 |                | 1.6 W/kg (mW/g)          |                 |                          |        |  |
| Spatial Peak                          |                   |           |       |      |                 |                             |                       |                |          | Uncontrolled Exposure/General Population |                      |              |         |           |         |      |            |                 |                | averaged over 1 gram     |                 |                          |        |  |

**Table 10-52**  
**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 Spk [dB] | MPE [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 (kg) (W/kg) | Reported SAR (kg) (W/kg) | Plot # |     |
|                                       |                   | Mhz       | Ch    |      |                 |                             |                       |                |          |                                          |                      |              |         |           |         |      |            |                 |                |                          |                 |                          |        |     |
| 1 CC Uplink                           | N/A               | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 12.50                 | 12.43          | -0.06    | 0                                        | Ant 4b               | DLX2V00BPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1             | 1.060          | 1.036                    | 1.077           | 0.373                    | 0.379  |     |
| 1 CC Uplink                           | N/A               | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 12.50                 | 12.28          | -0.02    | 0                                        | Ant 4b               | DLX2V00BPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1             | 1.120          | 1.052                    | 1.178           | 0.392                    | 0.412  | A17 |
| 1 CC Uplink                           | N/A               | 2560.00   | 21350 | High | LTE Band 7      | 20                          | 12.50                 | 12.28          | -0.02    | 0                                        | Ant 4b               | DLX2V00BPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1             | 1.010          | 1.052                    | 1.063           | 0.352                    | 0.370  |     |
| 1 CC Uplink                           | N/A               | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 12.50                 | 12.46          | -0.01    | 0                                        | Ant 4b               | DLX2V00BPQLD | QPSK    | 50        | 50      | 0 mm | back       | 1:1             | 1.080          | 1.012                    | 1.093           | 0.380                    | 0.385  |     |
| 1 CC Uplink                           | N/A               | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 12.50                 | 12.03          | 0.12     | 0                                        | Ant 4b               | DLX2V00BPQLD | QPSK    | 50        | 0       | 0 mm | back       | 1:1             | 1.010          | 1.114                    | 1.125           | 0.366                    | 0.408  |     |
| 1 CC Uplink                           | N/A               | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 12.50                 | 12.25          | 0.11     | 0                                        | Ant 4b               | DLX2V00BPQLD | QPSK    | 50        | 25      | 0 mm | back       | 1:1             | 1.110          | 1.069                    | 1.387           | 0.382                    | 0.408  |     |
| 1 CC Uplink                           | N/A               | 2560.00   | 21350 | High | LTE Band 7      | 20                          | 12.50                 | 12.23          | 0.10     | 0                                        | Ant 4b               | DLX2V00BPQLD | QPSK    | 50        | 50      | 0 mm | back       | 1:1             | 1.020          | 1.064                    | 1.085           | 0.351                    | 0.373  |     |
| 1 CC Uplink                           | N/A               | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 12.50                 | 12.32          | 0.00     | 0                                        | Ant 4b               | DLX2V00BPQLD | QPSK    | 100       | 0       | 0 mm | back       | 1:1             | 1.070          | 1.042                    | 1.115           | 0.375                    | 0.391  |     |
| 1 CC Uplink                           | N/A               | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 9.50                  | 9.36           | -0.04    | 0                                        | Ant 4b               | DLX2V00BPQLD | QPSK    | 1         | 50      | 0 mm | back       | 1:1             | 0.590          | 1.033                    | 0.809           | 0.210                    | 0.217  |     |
| 1 CC Uplink                           | N/A               | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 9.50                  | 9.36           | -0.04    | 0                                        | Ant 4b               | DLX2V00BPQLD | QPSK    | 50        | 25      | 0 mm | back       | 1:1             | 0.571          | 1.033                    | 0.590           | 0.205                    | 0.212  |     |
| 2 CC Uplink                           | PCC               | 2515.20   | 21100 | Mid  | LTE Band 7      | 20                          |                       |                |          |                                          | Ant 4b               | DLX2V00BPQLD | QPSK    | 50        | 0       |      |            |                 |                |                          |                 |                          |        |     |
| 2 CC Uplink                           | SCC               | 2515.20   | 20902 | Mid  | LTE Band 7      | 20                          | 12.50                 | 11.75          | -0.02    | 0                                        | Ant 4b               | DLX2V00BPQLD | QPSK    | 50        | 50      | 0 mm | back       | 1:1             | 0.986          | 1.189                    | 1.172           | 0.359                    | 0.427  |     |
| 1 CC Uplink                           | N/A               | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 12.50                 | 12.48          | -0.11    | 0                                        | Ant 4b               | DLX2V00BPQLD | QPSK    | 1         | 99      | 0 mm | top        | 1:1             | 0.422          | 1.016                    | 0.429           | 0.147                    | 0.149  |     |
| 1 CC Uplink                           | N/A               | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 12.50                 | 12.45          | -0.05    | 0                                        | Ant 4b               | DLX2V00BPQLD | QPSK    | 50        | 50      | 0 mm | top        | 1:1             | 0.438          | 1.012                    | 0.431           | 0.148                    | 0.150  |     |
| 1 CC Uplink                           | N/A               | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 12.50                 | 12.43          | -0.07    | 0                                        | Ant 4b               | DLX2V00BPQLD | QPSK    | 1         | 99      | 0 mm | bottom     | 1:1             | 0.000          | 1.016                    | 0.000           | 0.000                    | 0.000  |     |
| 1 CC Uplink                           | N/A               | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 12.50                 | 12.46          | -0.09    | 0                                        | Ant 4b               | DLX2V00BPQLD | QPSK    | 50        | 50      | 0 mm | bottom     | 1:1             | 0.001          | 1.012                    | 0.001           | 0.000                    | 0.000  |     |
| 1 CC Uplink                           | N/A               | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 12.50                 | 12.43          | 0.04     | 0                                        | Ant 4b               | DLX2V00BPQLD | QPSK    | 1         | 99      | 0 mm | right      | 1:1             | 0.019          | 1.016                    | 0.018           | 0.008                    | 0.008  |     |
| 1 CC Uplink                           | N/A               | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 12.50                 | 12.45          | 0.14     | 0                                        | Ant 4b               | DLX2V00BPQLD | QPSK    | 50        | 50      | 0 mm | right      | 1:1             | 0.019          | 1.012                    | 0.019           | 0.007                    | 0.007  |     |
| 1 CC Uplink                           | N/A               | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 12.50                 | 12.43          | -0.03    | 0                                        | Ant 4b               | DLX2V00BPQLD | QPSK    | 1         | 99      | 0 mm | left       | 1:1             | 0.048          | 1.016                    | 0.049           | 0.000                    | 0.000  |     |
| 1 CC Uplink                           | N/A               | 2510.00   | 20950 | Low  | LTE Band 7      | 20                          | 12.50                 | 12.45          | 0.05     | 0                                        | Ant 4b               | DLX2V00BPQLD | QPSK    | 50        | 50      | 0 mm | left       | 1:1             | 0.047          | 1.012                    | 0.048           | 0.000                    | 0.000  |     |
| 1 CC Uplink                           | N/A               | 2535.00   | 21100 | Mid  | LTE Band 7      | 20                          | 12.50                 | 12.28          | -0.12    | 0                                        | Ant 4b               | DLX2V00BPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1             | 1.120          | 1.052                    | 1.178           | 0.386                    | 0.405  |     |
| ANSI / IEEE C63.1 1992 - SAFETY LIMIT |                   |           |       |      |                 |                             |                       |                |          | Body                                     |                      |              |         |           |         |      |            |                 |                | 1.6 W/kg (mW/g)          |                 |                          |        |     |
| Spatial Peak                          |                   |           |       |      |                 |                             |                       |                |          | Uncontrolled Exposure/General Population |                      |              |         |           |         |      |            |                 |                | averaged over 1 gram     |                 |                          |        |     |

Note: Blue entry represents variability measurement.

|                                         |                                                                                                   |                              |                 |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|-----------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b> |                 | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device   | Page 254 of 297 |                                 |

## LTE Band 41 Ant 2a Body SAR

| MEASUREMENT RESULTS                      |                 |           |       |      |                 |                             |                       |                |          |                 |                      |             |         |           |         |           |                      |                |                     |            |                     |       |       |
|------------------------------------------|-----------------|-----------|-------|------|-----------------|-----------------------------|-----------------------|----------------|----------|-----------------|----------------------|-------------|---------|-----------|---------|-----------|----------------------|----------------|---------------------|------------|---------------------|-------|-------|
| 1 CC UPRN - Power Class 1                | Component Group | FREQUENCY |       | Mode | Bandwidth (MHz) | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power PA1 (dB) | MPR (dB) | Antenna Config. | Device Serial Number | Modulation  | RB Size | RB Offset | Spacing | Sub-Cycle | SAR (W/kg)           | Scaling Factor | Reported SAR (W/kg) | SAR (W/kg) | Reported SAR (W/kg) | Plot  |       |
|                                          |                 | MHz       | Ch.   |      |                 |                             |                       |                |          |                 |                      |             |         |           |         |           |                      |                |                     |            |                     |       |       |
| 1 CC UPRN - Power Class 1                | N/A             | 2508.00   | 39750 | Low  | LT Band 41      | 20                          | 16.40                 | 16.39          | 0.00     | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 1         | 50      | 0 mm      | back                 | 1:1.58         | 0.846               | 1.002      | 0.846               | 0.356 | 0.357 |
| 1 CC UPRN - Power Class 1                | N/A             | 2540.00   | 40125 | Low  | LT Band 41      | 20                          | 16.40                 | 16.24          | 0.01     | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 1         | 50      | 0 mm      | back                 | 1:1.58         | 0.964               | 1.038      | 1.001               | 0.395 | 0.410 |
| 1 CC UPRN - Power Class 1                | N/A             | 2540.00   | 40125 | Low  | LT Band 41      | 20                          | 16.40                 | 16.15          | 0.01     | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 1         | 0       | 0 mm      | back                 | 1:1.58         | 0.925               | 1.059      | 0.980               | 0.388 | 0.411 |
| 1 CC UPRN - Power Class 1                | N/A             | 2540.00   | 40125 | Med  | LT Band 41      | 20                          | 16.40                 | 16.11          | -0.03    | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 1         | 99      | 0 mm      | back                 | 1:1.58         | 0.767               | 1.090      | 0.820               | 0.311 | 0.312 |
| 1 CC UPRN - Power Class 1                | N/A             | 2638.00   | 41050 | Med  | LT Band 41      | 20                          | 16.40                 | 16.23          | 0.03     | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 1         | 0       | 0 mm      | back                 | 1:1.58         | 0.652               | 1.040      | 0.678               | 0.262 | 0.272 |
| 1 CC UPRN - Power Class 1                | N/A             | 2638.00   | 41050 | High | LT Band 41      | 20                          | 16.40                 | 16.01          | -0.02    | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 1         | 50      | 0 mm      | back                 | 1:1.58         | 0.596               | 1.119      | 0.832               | 0.225 | 0.235 |
| 1 CC UPRN - Power Class 1                | N/A             | 2508.00   | 39750 | Low  | LT Band 41      | 20                          | 16.40                 | 16.38          | -0.04    | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 50        | 25      | 0 mm      | back                 | 1:1.58         | 0.814               | 1.005      | 0.818               | 0.343 | 0.345 |
| 1 CC UPRN - Power Class 1                | N/A             | 2540.00   | 40125 | Low  | LT Band 41      | 20                          | 16.40                 | 16.26          | 0.00     | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 50        | 25      | 0 mm      | back                 | 1:1.58         | 0.890               | 1.023      | 0.919               | 0.372 | 0.384 |
| 1 CC UPRN - Power Class 1                | N/A             | 2540.00   | 40125 | Med  | LT Band 41      | 20                          | 16.40                 | 16.08          | -0.07    | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 50        | 50      | 0 mm      | back                 | 1:1.58         | 0.748               | 1.076      | 0.805               | 0.304 | 0.321 |
| 1 CC UPRN - Power Class 1                | N/A             | 2638.00   | 41050 | Med  | LT Band 41      | 20                          | 16.40                 | 16.07          | -0.04    | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 50        | 0       | 0 mm      | back                 | 1:1.58         | 0.633               | 1.079      | 0.683               | 0.223 | 0.275 |
| 1 CC UPRN - Power Class 1                | N/A             | 2638.00   | 41050 | High | LT Band 41      | 20                          | 16.40                 | 15.94          | 0.00     | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 50        | 0       | 0 mm      | back                 | 1:1.58         | 0.578               | 1.112      | 0.643               | 0.229 | 0.265 |
| 1 CC UPRN - Power Class 2                | N/A             | 2508.00   | 39750 | Low  | LT Band 41      | 20                          | 16.40                 | 16.32          | -0.07    | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 100       | 0       | 0 mm      | back                 | 1:1.58         | 0.817               | 1.019      | 0.829               | 0.342 | 0.348 |
| 1 CC UPRN - Power Class 2                | N/A             | 2540.00   | 40125 | Low  | LT Band 41      | 20                          | 16.40                 | 16.35          | 0.02     | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 1         | 0       | 0 mm      | back                 | 1:2.31         | 0.611               | 1.012      | 0.618               | 0.259 | 0.262 |
| 1 CC UPRN - Power Class 2                | N/A             | 2540.00   | 40125 | Low  | LT Band 41      | 20                          | 16.40                 | 16.33          | 0.03     | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 1         | 50      | 0 mm      | back                 | 1:2.31         | 0.608               | 1.016      | 0.616               | 0.249 | 0.263 |
| 2 CC UPRN - Power Class 3                | PCC             | 2540.00   | 40125 | Low  | LT Band 41      | 20                          | 16.40                 | 16.02          | 0.00     | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 1         | 0       | 0         | back                 | 1:1.58         | 0.858               | 1.001      | 0.936               | 0.362 | 0.395 |
| 2 CC UPRN - Power Class 2                | SICC            | 2520.70   | 39667 | Low  | LT Band 41      | 20                          | 16.40                 | 16.21          | -0.06    | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 1         | 99      | 0         | back                 | 1:2.31         | 0.575               | 1.045      | 0.601               | 0.241 | 0.252 |
| 2 CC UPRN - Power Class 2                | PCC             | 2540.00   | 40125 | Low  | LT Band 41      | 20                          | 16.40                 | 16.21          | -0.06    | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 1         | 0       | 0         | back                 | 1:2.31         | 0.575               | 1.045      | 0.601               | 0.241 | 0.252 |
| 1 CC UPRN - Power Class 3                | N/A             | 2508.00   | 39750 | Low  | LT Band 41      | 20                          | 16.40                 | 16.39          | 0.06     | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 1         | 50      | 0 mm      | top                  | 1:1.58         | 0.914               | 1.002      | 0.914               | 0.005 | 0.005 |
| 1 CC UPRN - Power Class 3                | N/A             | 2508.00   | 39750 | Low  | LT Band 41      | 20                          | 16.40                 | 16.38          | -0.05    | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 50        | 25      | 0 mm      | top                  | 1:1.58         | 0.914               | 1.005      | 0.914               | 0.005 | 0.005 |
| 1 CC UPRN - Power Class 3                | N/A             | 2508.00   | 39750 | Low  | LT Band 41      | 20                          | 16.40                 | 16.39          | 0.02     | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 1         | 50      | 0 mm      | bottom               | 1:1.58         | 0.494               | 1.002      | 0.495               | 0.044 | 0.144 |
| 1 CC UPRN - Power Class 3                | N/A             | 2508.00   | 39750 | Low  | LT Band 41      | 20                          | 16.40                 | 16.38          | -0.02    | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 50        | 25      | 0 mm      | bottom               | 1:1.58         | 0.492               | 1.005      | 0.494               | 0.044 | 0.144 |
| 1 CC UPRN - Power Class 3                | N/A             | 2508.00   | 39750 | Low  | LT Band 41      | 20                          | 16.40                 | 16.39          | -0.08    | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 1         | 50      | 0 mm      | right                | 1:1.58         | 0.394               | 1.002      | 0.395               | 0.133 | 0.133 |
| 1 CC UPRN - Power Class 3                | N/A             | 2508.00   | 39750 | Low  | LT Band 41      | 20                          | 16.40                 | 16.38          | -0.07    | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 50        | 25      | 0 mm      | right                | 1:1.58         | 0.393               | 1.005      | 0.395               | 0.133 | 0.133 |
| 1 CC UPRN - Power Class 3                | N/A             | 2508.00   | 39750 | Low  | LT Band 41      | 20                          | 16.40                 | 16.39          | -0.18    | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 1         | 50      | 0 mm      | int                  | 1:1.58         | 0.000               | 1.002      | 0.000               | 0.000 | 0.000 |
| 1 CC UPRN - Power Class 3                | N/A             | 2508.00   | 39750 | Low  | LT Band 41      | 20                          | 16.40                 | 16.39          | 0.00     | 0               | Ant 2a               | DLX2M5PQQLD | QPSK    | 50        | 25      | 0 mm      | ext                  | 1:1.58         | 0.000               | 1.005      | 0.000               | 0.000 | 0.000 |
| ANSI / EEE CS11.1950 - SAFETY LIMIT      |                 |           |       |      |                 |                             |                       |                |          |                 |                      |             |         |           |         |           | Body                 |                |                     |            |                     |       |       |
| Special Peak                             |                 |           |       |      |                 |                             |                       |                |          |                 |                      |             |         |           |         |           | 16 W/kg (mW/g)       |                |                     |            |                     |       |       |
| Uncontrolled Exposure/General Population |                 |           |       |      |                 |                             |                       |                |          |                 |                      |             |         |           |         |           | averaged over 1 gram |                |                     |            |                     |       |       |

### LTE Band 41 Ant 2b Body SAR

| MEASUREMENT RESULTS                      |                 |           |       |          |                 |                             |                       |                 |          |                 |                      |            |         |           |         |      |                      |          |                |                   |          |                   |       |       |
|------------------------------------------|-----------------|-----------|-------|----------|-----------------|-----------------------------|-----------------------|-----------------|----------|-----------------|----------------------|------------|---------|-----------|---------|------|----------------------|----------|----------------|-------------------|----------|-------------------|-------|-------|
| 1 CC UPRN 1-2 CC UPRN, Power Class       | Component Count | FREQUENCY |       | Mode     | Bandwidth (MHz) | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power EIRP (dB) | MPE (dB) | Antenna Config. | Device Serial Number | Modulation | RF Size | RF Offset | Spacing | Side | Duty Cycle           | SAR (dB) | Scaling Factor | Reported SAR (dB) | SAR (dB) | Reported SAR (dB) | Plot  |       |
|                                          |                 | MHz       | Ch.   |          |                 |                             |                       |                 |          |                 |                      |            |         |           |         |      |                      |          |                | (dBm)             | (dBm)    | (dBm)             |       | (dBm) |
| 1 CC UPRN - Power Class 3                | NA              | 2508.0    | 39750 | Low      | LTE Band 41     | 20                          | 13.80                 | 13.16           | -0.10    | 0               | Ant 2b               | DLX2M5PQLD | QPSK    | 1         | 99      | 0 mm | back                 | 11.58    | 0.822          | 1.159             | 0.933    | 0.289             | 0.335 |       |
| 1 CC UPRN - Power Class 3                | NA              | 2540.0    | 40250 | Low-Mid  | LTE Band 41     | 20                          | 13.80                 | 12.91           | 0.02     | 0               | Ant 2b               | DLX2M5PQLD | QPSK    | 1         | 50      | 0 mm | back                 | 11.58    | 0.780          | 1.227             | 0.957    | 0.270             | 0.331 |       |
| 1 CC UPRN - Power Class 3                | NA              | 2500.0    | 40600 | Mid      | LTE Band 41     | 20                          | 13.80                 | 12.89           | 0.05     | 0               | Ant 2b               | DLX2M5PQLD | QPSK    | 1         | 99      | 0 mm | back                 | 11.58    | 0.708          | 1.223             | 0.873    | 0.242             | 0.298 |       |
| 1 CC UPRN - Power Class 3                | NA              | 2638.0    | 40550 | Mid-High | LTE Band 41     | 20                          | 13.80                 | 12.93           | 0.03     | 0               | Ant 2b               | DLX2M5PQLD | QPSK    | 1         | 0       | 0 mm | back                 | 11.58    | 0.667          | 1.227             | 0.888    | 0.238             | 0.280 |       |
| 1 CC UPRN - Power Class 3                | NA              | 2680.0    | 41490 | High     | LTE Band 41     | 20                          | 13.80                 | 12.98           | 0.02     | 0               | Ant 2b               | DLX2M5PQLD | QPSK    | 1         | 50      | 0 mm | back                 | 11.58    | 0.600          | 1.208             | 0.725    | 0.203             | 0.243 |       |
| 1 CC UPRN - Power Class 3                | NA              | 2508.0    | 39750 | Low      | LTE Band 41     | 20                          | 13.80                 | 13.16           | 0.01     | 0               | Ant 2b               | DLX2M5PQLD | QPSK    | 50        | 50      | 0 mm | back                 | 11.58    | 0.834          | 1.159             | 0.967    | 0.292             | 0.338 |       |
| 1 CC UPRN - Power Class 3                | NA              | 2548.0    | 40250 | Low-Mid  | LTE Band 41     | 20                          | 13.80                 | 12.80           | 0.05     | 0               | Ant 2b               | DLX2M5PQLD | QPSK    | 50        | 0       | 0 mm | back                 | 11.58    | 0.787          | 1.259             | 0.961    | 0.272             | 0.342 |       |
| 1 CC UPRN - Power Class 3                | NA              | 2500.0    | 40600 | Mid      | LTE Band 41     | 20                          | 13.80                 | 12.85           | 0.10     | 0               | Ant 2b               | DLX2M5PQLD | QPSK    | 50        | 50      | 0 mm | back                 | 11.58    | 0.708          | 1.245             | 0.883    | 0.246             | 0.306 |       |
| 1 CC UPRN - Power Class 3                | NA              | 2638.0    | 40550 | Mid-High | LTE Band 41     | 20                          | 13.80                 | 12.83           | 0.11     | 0               | Ant 2b               | DLX2M5PQLD | QPSK    | 50        | 0       | 0 mm | back                 | 11.58    | 0.602          | 1.250             | 0.815    | 0.221             | 0.276 |       |
| 1 CC UPRN - Power Class 3                | NA              | 2680.0    | 41490 | High     | LTE Band 41     | 20                          | 13.80                 | 12.96           | 0.12     | 0               | Ant 2b               | DLX2M5PQLD | QPSK    | 50        | 0       | 0 mm | back                 | 11.58    | 0.612          | 1.233             | 0.742    | 0.205             | 0.249 |       |
| 1 CC UPRN - Power Class 3                | NA              | 2508.0    | 39750 | Low      | LTE Band 41     | 20                          | 13.80                 | 13.12           | 0.04     | 0               | Ant 2b               | DLX2M5PQLD | QPSK    | 100       | 0       | 0 mm | back                 | 11.58    | 0.822          | 1.169             | 0.973    | 0.297             | 0.347 |       |
| 1 CC UPRN - Power Class 2                | NA              | 2548.0    | 40250 | Low-Mid  | LTE Band 41     | 20                          | 13.80                 | 12.80           | -0.04    | 0               | Ant 2b               | DLX2M5PQLD | QPSK    | 50        | 0       | 0 mm | back                 | 12.31    | 0.528          | 1.259             | 0.685    | 0.182             | 0.229 |       |
| 1 CC UPRN - Power Class 3                | PCC             | 2548.0    | 40250 | Low-Mid  | LTE Band 41     | 20                          | 13.80                 | 12.51           | 0.06     | 0               | Ant 2b               | DLX2M5PQLD | QPSK    | 50        | 0       | 0 mm | back                 | 11.58    | 0.734          | 1.346             | 0.988    | 0.257             | 0.346 |       |
| 2 CC UPRN - Power Class 2                | SCC             | 2520.0    | 39890 | Low-Mid  | LTE Band 41     | 20                          | 13.80                 | 12.80           | -0.03    | 0               | Ant 2b               | DLX2M5PQLD | QPSK    | 50        | 50      | 0 mm | back                 | 12.31    | 0.500          | 1.259             | 0.630    | 0.171             | 0.215 |       |
| 1 CC UPRN - Power Class 3                | NA              | 2508.0    | 39750 | Low      | LTE Band 41     | 20                          | 13.80                 | 13.16           | -0.03    | 0               | Ant 2b               | DLX2M5PQLD | QPSK    | 1         | 99      | 0 mm | top                  | 11.58    | 0.801          | 1.159             | 0.901    | 0.280             | 0.300 |       |
| 1 CC UPRN - Power Class 3                | NA              | 2508.0    | 39750 | Low      | LTE Band 41     | 20                          | 13.80                 | 13.16           | 0.09     | 0               | Ant 2b               | DLX2M5PQLD | QPSK    | 50        | 0       | 0 mm | top                  | 11.58    | 0.801          | 1.159             | 0.901    | 0.280             | 0.300 |       |
| 1 CC UPRN - Power Class 3                | NA              | 2508.0    | 39750 | Low      | LTE Band 41     | 20                          | 13.80                 | 13.16           | -0.02    | 0               | Ant 2b               | DLX2M5PQLD | QPSK    | 1         | 99      | 0 mm | bottom               | 11.58    | 0.716          | 1.159             | 0.720    | 0.204             | 0.266 |       |
| 1 CC UPRN - Power Class 3                | NA              | 2508.0    | 39750 | Low      | LTE Band 41     | 20                          | 13.80                 | 13.16           | -0.02    | 0               | Ant 2b               | DLX2M5PQLD | QPSK    | 50        | 50      | 0 mm | bottom               | 11.58    | 0.716          | 1.213             | 1.159    | 0.247             | 0.073 | 0.085 |
| 1 CC UPRN - Power Class 3                | NA              | 2508.0    | 39750 | Low      | LTE Band 41     | 20                          | 13.80                 | 13.16           | 0.00     | 0               | Ant 2b               | DLX2M5PQLD | QPSK    | 1         | 99      | 0 mm | right                | 11.58    | 0.839          | 1.159             | 0.938    | 0.014             | 0.014 |       |
| 1 CC UPRN - Power Class 3                | NA              | 2508.0    | 39750 | Low      | LTE Band 41     | 20                          | 13.80                 | 13.16           | 0.17     | 0               | Ant 2b               | DLX2M5PQLD | QPSK    | 50        | 50      | 0 mm | right                | 11.58    | 0.839          | 1.159             | 0.935    | 0.011             | 0.013 |       |
| 1 CC UPRN - Power Class 3                | NA              | 2508.0    | 39750 | Low      | LTE Band 41     | 20                          | 13.80                 | 13.16           | -0.09    | 0               | Ant 2b               | DLX2M5PQLD | QPSK    | 1         | 99      | 0 mm | left                 | 11.58    | 0.610          | 1.159             | 0.621    | 0.067             | 0.068 |       |
| 1 CC UPRN - Power Class 3                | NA              | 2508.0    | 39750 | Low      | LTE Band 41     | 20                          | 13.80                 | 13.16           | -0.19    | 0               | Ant 2b               | DLX2M5PQLD | QPSK    | 50        | 50      | 0 mm | left                 | 11.58    | 0.610          | 1.159             | 0.602    | 0.067             | 0.068 |       |
| ARJIS / ISSI COS 1392 - SAFETY LIMIT     |                 |           |       |          |                 |                             |                       |                 |          |                 |                      |            |         |           |         |      | Body                 |          |                |                   |          |                   |       |       |
| Spatial Peak                             |                 |           |       |          |                 |                             |                       |                 |          |                 |                      |            |         |           |         |      | 1.6 W/kg (avg)       |          |                |                   |          |                   |       |       |
| Uncontrolled Exposure/General Population |                 |           |       |          |                 |                             |                       |                 |          |                 |                      |            |         |           |         |      | averaged over 1 gram |          |                |                   |          |                   |       |       |

Table 10-55  
LTE Band 41 Ant 4a Body SAR

| MEASUREMENT RESULTS                      |                   |           |       |          |                 |                             |                       |                 |          |                      |                      |            |         |           |      |             |            |                |                     |            |                     |        |        |
|------------------------------------------|-------------------|-----------|-------|----------|-----------------|-----------------------------|-----------------------|-----------------|----------|----------------------|----------------------|------------|---------|-----------|------|-------------|------------|----------------|---------------------|------------|---------------------|--------|--------|
| 1 CC Uplink 1 CC Uplink Power Class 3    | Component Carrier | FREQUENCY |       | Mode     | Bandwidth (MHz) | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Dens (dB) | MPE (dB) | Antenna Config.      | Device Serial Number | Modulation | RB Size | RB Offset | Side | Only Cyclic | SAR (W/kg) | Scaling Factor | Reported SAR (W/kg) | SAR (mW/g) | Reported SAR (W/kg) | Plot # |        |
|                                          |                   | MHz       | Ch    |          |                 |                             |                       |                 |          |                      |                      |            |         |           |      |             |            |                |                     |            |                     |        | (W/kg) |
| 1 CC Uplink Power Class 3                | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.90           | -0.02    | 0                    | Ant 4a               | DLXCVSPQD  | QPSK    | 1         | 0    | 0 mm        | back       | 1.158          | 0.940               | 1.000      | 0.940               | 0.404  |        |
| 1 CC Uplink Power Class 3                | N/A               | 2549.50   | 40185 | Low-Mid  | LTE Band 41     | 20                          | 16.90                 | 16.86           | -0.02    | 0                    | Ant 4a               | DLXCVSPQD  | QPSK    | 1         | 0    | 0 mm        | back       | 1.158          | 0.978               | 1.000      | 0.987               | 0.400  | 0.412  |
| 1 CC Uplink Power Class 3                | N/A               | 2593.00   | 40620 | Mid      | LTE Band 41     | 20                          | 16.90                 | 16.89           | -0.02    | 0                    | Ant 4a               | DLXCVSPQD  | QPSK    | 1         | 99   | 0 mm        | back       | 1.158          | 0.738               | 1.002      | 0.739               | 0.302  | 0.303  |
| 1 CC Uplink Power Class 3                | N/A               | 2636.50   | 41055 | Mid-High | LTE Band 41     | 20                          | 16.90                 | 16.77           | -0.03    | 0                    | Ant 4a               | DLXCVSPQD  | QPSK    | 1         | 0    | 0 mm        | back       | 1.158          | 0.695               | 1.000      | 0.738               | 0.279  | 0.287  |
| 1 CC Uplink Power Class 3                | N/A               | 2680.00   | 41490 | High     | LTE Band 41     | 20                          | 16.90                 | 16.41           | -0.02    | 0                    | Ant 4a               | DLXCVSPQD  | QPSK    | 1         | 99   | 0 mm        | back       | 1.158          | 0.699               | 1.119      | 0.762               | 0.276  | 0.309  |
| 1 CC Uplink Power Class 3                | N/A               | 2626.00   | 39750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.89           | 0.01     | 0                    | Ant 4a               | DLXCVSPQD  | QPSK    | 50        | 0    | 0 mm        | back       | 1.158          | 0.959               | 1.002      | 0.961               | 0.404  | 0.405  |
| 1 CC Uplink Power Class 3                | N/A               | 2649.50   | 40185 | Low-Mid  | LTE Band 41     | 20                          | 16.90                 | 16.88           | 0.00     | 0                    | Ant 4a               | DLXCVSPQD  | QPSK    | 50        | 0    | 0 mm        | back       | 1.158          | 0.959               | 1.005      | 0.964               | 0.396  | 0.398  |
| 1 CC Uplink Power Class 3                | N/A               | 2593.00   | 40620 | Mid      | LTE Band 41     | 20                          | 16.90                 | 16.76           | 0.00     | 0                    | Ant 4a               | DLXCVSPQD  | QPSK    | 50        | 50   | 0 mm        | back       | 1.158          | 0.754               | 1.033      | 0.779               | 0.305  | 0.315  |
| 1 CC Uplink Power Class 3                | N/A               | 2636.50   | 41055 | Mid-High | LTE Band 41     | 20                          | 16.90                 | 16.67           | 0.02     | 0                    | Ant 4a               | DLXCVSPQD  | QPSK    | 50        | 0    | 0 mm        | back       | 1.158          | 0.689               | 1.054      | 0.726               | 0.274  | 0.289  |
| 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               | DLXCVSPQD  | QPSK    | 50        | 50   | 0 mm        | back       | 1.158          | 0.695               | 1.138      | 0.791               | 0.273  | 0.311  |
| 1 CC Uplink Power Class 3                | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.78           | 0.01     | 0                    | Ant 4a               | DLXCVSPQD  | QPSK    | 100       | 0    | 0 mm        | back       | 1.158          | 0.959               | 1.028      | 0.986               | 0.403  | 0.414  |
| 1 CC Uplink Power Class 3                | N/A               | 2549.50   | 40185 | Low-Mid  | LTE Band 41     | 20                          | 16.90                 | 16.85           | -0.05    | 0                    | Ant 4a               | DLXCVSPQD  | QPSK    | 1         | 0    | 0 mm        | back       | 1.231          | 0.621               | 1.012      | 0.628               | 0.263  | 0.265  |
| 2 CC Uplink Power Class 3                | PCC               | 2549.50   | 40185 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.51           | 0.02     | 0                    | Ant 4a               | DLXCVSPQD  | QPSK    | 1         | 0    | 0 mm        | back       | 1.158          | 0.878               | 1.004      | 0.961               | 0.399  | 0.404  |
| 2 CC Uplink Power Class 3                | SCC               | 2626.00   | 39987 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.53           | 0.01     | 0                    | Ant 4a               | DLXCVSPQD  | QPSK    | 1         | 99   | 0 mm        | back       | 1.231          | 0.582               | 1.089      | 0.634               | 0.244  | 0.266  |
| 2 CC Uplink Power Class 3                | SCC               | 2626.00   | 39987 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.53           | 0.01     | 0                    | Ant 4a               | DLXCVSPQD  | QPSK    | 1         | 99   | 0 mm        | back       | 1.231          | 0.582               | 1.089      | 0.634               | 0.244  | 0.266  |
| 1 CC Uplink Power Class 3                | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.90           | -0.09    | 0                    | Ant 4a               | DLXCVSPQD  | QPSK    | 1         | 0    | 0 mm        | top        | 1.158          | 0.389               | 1.000      | 0.389               | 0.116  | 0.116  |
| 1 CC Uplink Power Class 3                | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.89           | -0.08    | 0                    | Ant 4a               | DLXCVSPQD  | QPSK    | 50        | 0    | 0 mm        | top        | 1.158          | 0.379               | 1.002      | 0.380               | 0.112  | 0.112  |
| 1 CC Uplink Power Class 3                | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.90           | -0.05    | 0                    | Ant 4a               | DLXCVSPQD  | QPSK    | 1         | 0    | 0 mm        | bottom     | 1.158          | 0.513               | 1.000      | 0.513               | 0.038  | 0.038  |
| 1 CC Uplink Power Class 3                | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.89           | -0.09    | 0                    | Ant 4a               | DLXCVSPQD  | QPSK    | 50        | 0    | 0 mm        | bottom     | 1.158          | 0.512               | 1.002      | 0.512               | 0.004  | 0.004  |
| 1 CC Uplink Power Class 3                | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.90           | 0.00     | 0                    | Ant 4a               | DLXCVSPQD  | QPSK    | 1         | 0    | 0 mm        | right      | 1.158          | 0.000               | 1.000      | 0.000               | 0.000  | 0.000  |
| 1 CC Uplink Power Class 3                | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.89           | 0.00     | 0                    | Ant 4a               | DLXCVSPQD  | QPSK    | 50        | 0    | 0 mm        | right      | 1.158          | 0.000               | 1.002      | 0.000               | 0.000  | 0.000  |
| 1 CC Uplink Power Class 3                | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.90           | -0.09    | 0                    | Ant 4a               | DLXCVSPQD  | QPSK    | 1         | 0    | 0 mm        | left       | 1.158          | 0.387               | 1.000      | 0.387               | 0.129  | 0.129  |
| 1 CC Uplink Power Class 3                | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 16.90                 | 16.89           | -0.07    | 0                    | Ant 4a               | DLXCVSPQD  | QPSK    | 50        | 0    | 0 mm        | left       | 1.158          | 0.380               | 1.002      | 0.381               | 0.126  | 0.126  |
| ANSI / IEEE C63.1992 - SAFETY LIMIT      |                   |           |       |          |                 |                             |                       |                 |          | Body                 |                      |            |         |           |      |             |            |                |                     |            |                     |        |        |
| Spatial Peak                             |                   |           |       |          |                 |                             |                       |                 |          | 1.6 W/kg (mW/g)      |                      |            |         |           |      |             |            |                |                     |            |                     |        |        |
| Uncontrolled Exposure/General Population |                   |           |       |          |                 |                             |                       |                 |          | averaged over 1 gram |                      |            |         |           |      |             |            |                |                     |            |                     |        |        |

Table 10-56  
LTE Band 41 Ant 4b Body SAR

| MEASUREMENT RESULTS                   |                   |           |       |          |                 |                             |                       |                 |          |                 |                      |            |         |           |         |      |            |          |                |                   |                   |        |       |       |
|---------------------------------------|-------------------|-----------|-------|----------|-----------------|-----------------------------|-----------------------|-----------------|----------|-----------------|----------------------|------------|---------|-----------|---------|------|------------|----------|----------------|-------------------|-------------------|--------|-------|-------|
| 1 CC Uplink 1 CC Uplink Power Class 3 | Component Carrier | FREQUENCY |       | Mode     | Bandwidth (MHz) | Maximum Allowed power (dBm) | Conducted Power (dBm) | Power Dens (dB) | MPE (dB) | Antenna Config. | Device Serial Number | Modulation | RB Size | RB Offset | Spacing | Side | Body Cycle | SAR (dB) | Scaling Factor | Reported SAR (dB) | Reported SAR (dB) | Plot # |       |       |
|                                       |                   | MHz       | Ch    |          |                 |                             |                       |                 |          |                 |                      |            |         |           |         |      |            | (W/kg)   | (W/kg)         | (W/kg)            | (W/kg)            |        |       |       |
| 1 CC Uplink Power Class 3             | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 14.80                 | 14.80           | 0.00     | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 1         | 0       | 0 mm | back       | 1.158    | 1.120          | 1.000             | 1.120             | 0.407  | A18   |       |
| 1 CC Uplink Power Class 3             | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 14.80                 | 14.79           | -0.02    | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 1         | 99      | 0 mm | back       | 1.158    | 1.070          | 1.002             | 1.072             | 0.391  |       | 0.392 |
| 1 CC Uplink Power Class 3             | N/A               | 2549.50   | 40185 | Low      | LTE Band 41     | 20                          | 14.80                 | 14.71           | -0.03    | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 1         | 0       | 0 mm | back       | 1.158    | 1.070          | 1.021             | 1.002             | 0.381  |       | 0.389 |
| 1 CC Uplink Power Class 3             | N/A               | 2593.00   | 40620 | Mid      | LTE Band 41     | 20                          | 14.80                 | 14.78           | 0.01     | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 1         | 99      | 0 mm | back       | 1.158    | 1.090          | 1.005             | 1.005             | 0.380  |       | 0.382 |
| 1 CC Uplink Power Class 3             | N/A               | 2636.50   | 41055 | Mid-High | LTE Band 41     | 20                          | 14.80                 | 14.67           | -0.02    | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 1         | 0       | 0 mm | back       | 1.158    | 1.010          | 1.030             | 1.040             | 0.353  |       | 0.364 |
| 1 CC Uplink Power Class 3             | N/A               | 2680.00   | 41490 | High     | LTE Band 41     | 20                          | 14.80                 | 14.73           | -0.04    | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 1         | 50      | 0 mm | back       | 1.158    | 0.977          | 1.016             | 0.993             | 0.340  |       | 0.345 |
| 1 CC Uplink Power Class 3             | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 14.80                 | 14.79           | -0.02    | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 50        | 0       | 0 mm | back       | 1.158    | 1.080          | 1.002             | 1.082             | 0.392  |       | 0.393 |
| 1 CC Uplink Power Class 3             | N/A               | 2549.50   | 40185 | Low      | LTE Band 41     | 20                          | 14.80                 | 14.61           | -0.01    | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 50        | 0       | 0 mm | back       | 1.158    | 1.060          | 1.045             | 1.038             | 0.376  |       | 0.393 |
| 1 CC Uplink Power Class 3             | N/A               | 2593.00   | 40620 | Mid      | LTE Band 41     | 20                          | 14.80                 | 14.64           | -0.06    | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 50        | 50      | 0 mm | back       | 1.158    | 1.060          | 1.038             | 1.030             | 0.373  |       | 0.387 |
| 1 CC Uplink Power Class 3             | N/A               | 2636.50   | 41055 | Mid-High | LTE Band 41     | 20                          | 14.80                 | 14.58           | -0.03    | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 50        | 0       | 0 mm | back       | 1.158    | 0.984          | 1.060             | 1.033             | 0.345  |       | 0.362 |
| 1 CC Uplink Power Class 3             | N/A               | 2680.00   | 41490 | High     | LTE Band 41     | 20                          | 14.80                 | 14.68           | -0.02    | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 50        | 50      | 0 mm | back       | 1.158    | 0.968          | 1.028             | 0.995             | 0.320  |       | 0.339 |
| 1 CC Uplink Power Class 3             | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 14.80                 | 14.70           | -0.03    | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 100       | 0       | 0 mm | back       | 1.158    | 1.070          | 1.023             | 1.005             | 0.387  |       | 0.396 |
| 2 CC Uplink Power Class 3             | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 14.80                 | 14.69           | 0.00     | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 1         | 99      | 0 mm | back       | 1.231    | 0.747          | 1.026             | 0.766             | 0.269  |       | 0.276 |
| 2 CC Uplink Power Class 3             | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 14.80                 | 14.60           | -0.01    | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 1         | 0       | 0 mm | back       | 1.231    | 0.659          | 1.047             | 0.690             | 0.246  |       | 0.257 |
| 2 CC Uplink Power Class 3             | PCC               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 14.80                 | 14.42           | -0.05    | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 1         | 99      | 0 mm | back       | 1.158    | 0.942          | 1.091             | 1.028             | 0.333  |       | 0.363 |
| 2 CC Uplink Power Class 3             | SCC               | 2525.80   | 39648 | Low      | LTE Band 41     | 20                          | 14.80                 | 14.62           | -0.03    | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 1         | 0       | 0 mm | back       | 1.231    | 0.741          | 1.042             | 0.772             | 0.268  |       | 0.279 |
| 2 CC Uplink Power Class 3             | SCC               | 2525.80   | 39648 | Low      | LTE Band 41     | 20                          | 14.80                 | 14.60           | -0.03    | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 1         | 0       | 0 mm | back       | 1.231    | 0.741          | 1.042             | 0.772             | 0.268  | 0.279 |       |
| 1 CC Uplink Power Class 3             | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 14.80                 | 14.80           | -0.10    | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 1         | 0       | 0 mm | top        | 1.158    | 0.421          | 1.000             | 0.421             | 0.145  | 0.145 |       |
| 1 CC Uplink Power Class 3             | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 14.80                 | 14.79           | -0.08    | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 50        | 0       | 0 mm | top        | 1.158    | 0.419          | 1.002             | 0.420             | 0.145  | 0.145 |       |
| 1 CC Uplink Power Class 3             | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 14.80                 | 14.80           | 0.12     | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 1         | 0       | 0 mm | bottom     | 1.158    | 0.002          | 1.000             | 0.002             | 0.000  | 0.000 |       |
| 1 CC Uplink Power Class 3             | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 14.80                 | 14.79           | 0.38     | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 50        | 0       | 0 mm | bottom     | 1.158    | 0.002          | 1.002             | 0.000             | 0.000  | 0.000 |       |
| 1 CC Uplink Power Class 3             | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 14.80                 | 14.80           | -0.06    | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 1         | 0       | 0 mm | right      | 1.158    | 0.023          | 1.000             | 0.023             | 0.010  | 0.010 |       |
| 1 CC Uplink Power Class 3             | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 14.80                 | 14.79           | 0.13     | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 50        | 0       | 0 mm | right      | 1.158    | 0.023          | 1.002             | 0.023             | 0.009  | 0.009 |       |
| 1 CC Uplink Power Class 3             | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 14.80                 | 14.80           | 0.06     | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 1         | 0       | 0 mm | left       | 1.158    | 0.045          | 1.000             | 0.045             | 0.018  | 0.017 |       |
| 1 CC Uplink Power Class 3             | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 14.80                 | 14.79           | -0.10    | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 50        | 0       | 0 mm | left       | 1.158    | 0.046          | 1.002             | 0.046             | 0.017  | 0.017 |       |
| 1 CC Uplink Power Class 3             | N/A               | 2556.50   | 38750 | Low      | LTE Band 41     | 20                          | 14.80                 | 14.80           | -0.03    | 0               | Ant 4b               | DLXCVSPQD  | QPSK    | 1         | 0       | 0 mm | back       | 1.158    | 1.036          | 1.000             | 1.036             | 0.366  | 0.366 |       |
| ANSI / IEEE C63.1992 - SAFETY LIMIT   |                   |           |       |          |                 |                             |                       |                 |          |                 |                      |            |         |           |         |      |            |          |                |                   |                   |        |       |       |
| Spatial Peak                          |                   |           |       |          |                 |                             |                       |                 |          |                 |                      |            |         |           |         |      |            |          |                |                   |                   |        |       |       |
| 1.6 W/kg (mW/g)                       |                   |           |       |          |                 |                             |                       |                 |          |                 |                      |            |         |           |         |      |            |          |                |                   |                   |        |       |       |
| averaged over 1 gram                  |                   |           |       |          |                 |                             |                       |                 |          |                 |                      |            |         |           |         |      |            |          |                |                   |                   |        |       |       |

**Table 10-57**  
**LTE Band 48 Ant 1 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 (1g) | Scaling Factor | Reported SAR (1g) | SAR (10g) | Reported SAR (10g) | Plot # |  |
| MHz                                      | Ch.   |          |                 |                             |                       |                  |          |                 |                      |                      |         |           |         |      |            | (W/kg)   |                | (W/kg)            | (W/kg)    |                    |        |  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 15.50                 | 15.46            | 0.06     | 0               | Ant 1                | DLXZV01BPQLD         | QPSK    | 1         | 0       | 0 mm | back       | 1:1.58   | 0.992          | 1.009             | 1.001     | 0.326              | 0.329  |  |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 15.50                 | 15.19            | 0.02     | 0               | Ant 1                | DLXZV01BPQLD         | QPSK    | 1         | 99      | 0 mm | back       | 1:1.58   | 0.828          | 1.074             | 0.889     | 0.270              | 0.290  |  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 15.50                 | 15.40            | 0.04     | 0               | Ant 1                | DLXZV01BPQLD         | QPSK    | 1         | 0       | 0 mm | back       | 1:1.58   | 0.813          | 1.023             | 0.832     | 0.260              | 0.266  |  |
| 3690.00                                  | 56640 | High     | LTE Band 48     | 20                          | 15.50                 | 14.94            | 0.05     | 0               | Ant 1                | DLXZV01BPQLD         | QPSK    | 1         | 0       | 0 mm | back       | 1:1.58   | 0.848          | 1.138             | 0.965     | 0.263              | 0.299  |  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 15.50                 | 15.18            | -0.03    | 0               | Ant 1                | DLXZV01BPQLD         | QPSK    | 50        | 0       | 0 mm | back       | 1:1.58   | 0.916          | 1.076             | 0.986     | 0.300              | 0.323  |  |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 15.50                 | 15.01            | 0.06     | 0               | Ant 1                | DLXZV01BPQLD         | QPSK    | 50        | 50      | 0 mm | back       | 1:1.58   | 0.806          | 1.119             | 0.902     | 0.261              | 0.292  |  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 15.50                 | 15.29            | 0.04     | 0               | Ant 1                | DLXZV01BPQLD         | QPSK    | 50        | 0       | 0 mm | back       | 1:1.58   | 0.810          | 1.050             | 0.851     | 0.254              | 0.267  |  |
| 3690.00                                  | 56640 | High     | LTE Band 48     | 20                          | 15.50                 | 14.66            | 0.03     | 0               | Ant 1                | DLXZV01BPQLD         | QPSK    | 50        | 0       | 0 mm | back       | 1:1.58   | 0.815          | 1.213             | 0.989     | 0.254              | 0.308  |  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 15.50                 | 15.23            | -0.06    | 0               | Ant 1                | DLXZV01BPQLD         | QPSK    | 100       | 0       | 0 mm | back       | 1:1.58   | 0.789          | 1.064             | 0.839     | 0.250              | 0.286  |  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 15.50                 | 15.46            | -0.02    | 0               | Ant 1                | DLXZV01BPQLD         | QPSK    | 1         | 0       | 0 mm | top        | 1:1.58   | 0.005          | 1.009             | 0.005     | 0.001              | 0.001  |  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 15.50                 | 15.29            | -0.03    | 0               | Ant 1                | DLXZV01BPQLD         | QPSK    | 50        | 0       | 0 mm | top        | 1:1.58   | 0.001          | 1.050             | 0.001     | 0.000              | 0.000  |  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 15.50                 | 15.46            | -0.05    | 0               | Ant 1                | DLXZV01BPQLD         | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1.58   | 0.570          | 1.009             | 0.575     | 0.105              | 0.156  |  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 15.50                 | 15.29            | 0.00     | 0               | Ant 1                | DLXZV01BPQLD         | QPSK    | 50        | 0       | 0 mm | bottom     | 1:1.58   | 0.389          | 1.050             | 0.408     | 0.102              | 0.107  |  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 15.50                 | 15.46            | 0.00     | 0               | Ant 1                | DLXZV01BPQLD         | QPSK    | 1         | 0       | 0 mm | right      | 1:1.58   | 0.000          | 1.009             | 0.000     | 0.000              | 0.000  |  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 15.50                 | 15.29            | 0.00     | 0               | Ant 1                | DLXZV01BPQLD         | QPSK    | 50        | 0       | 0 mm | right      | 1:1.58   | 0.000          | 1.050             | 0.000     | 0.000              | 0.000  |  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 15.50                 | 15.46            | 0.15     | 0               | Ant 1                | DLXZV01BPQLD         | QPSK    | 1         | 0       | 0 mm | left       | 1:1.58   | 0.889          | 1.009             | 0.897     | 0.234              | 0.236  |  |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 15.50                 | 15.19            | 0.00     | 0               | Ant 1                | DLXZV01BPQLD         | QPSK    | 1         | 99      | 0 mm | left       | 1:1.58   | 0.448          | 1.074             | 0.481     | 0.114              | 0.122  |  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 15.50                 | 15.40            | 0.01     | 0               | Ant 1                | DLXZV01BPQLD         | QPSK    | 1         | 0       | 0 mm | left       | 1:1.58   | 0.546          | 1.023             | 0.559     | 0.140              | 0.143  |  |
| 3690.00                                  | 56640 | High     | LTE Band 48     | 20                          | 15.50                 | 14.94            | 0.02     | 0               | Ant 1                | DLXZV01BPQLD         | QPSK    | 1         | 0       | 0 mm | left       | 1:1.58   | 0.388          | 1.138             | 0.442     | 0.098              | 0.112  |  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 15.50                 | 15.29            | -0.02    | 0               | Ant 1                | DLXZV01BPQLD         | QPSK    | 50        | 0       | 0 mm | left       | 1:1.58   | 0.505          | 1.050             | 0.530     | 0.131              | 0.138  |  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 15.50                 | 15.23            | 0.01     | 0               | Ant 1                | DLXZV01BPQLD         | QPSK    | 100       | 0       | 0 mm | left       | 1:1.58   | 0.489          | 1.064             | 0.520     | 0.126              | 0.134  |  |
| 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 10-58**  
**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 (1g) | Scaling Factor | Reported SAR (1g) | SAR (10g) | Reported SAR (10g) | Plot # |     |
| MHz                                   | Ch.   |          |                 |                             |                       |                  |          |                                                 |                      |              |         |           |         |      |            | (W/kg)   |                | (W/kg)            | (W/kg)    |                    |        |     |
| 3560.00                               | 55340 | Low      | LTE Band 48     | 20                          | 17.50                 | 17.03            | -0.11    | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 1         | 0       | 0 mm | back       | 1:1.58   | 0.920          | 1.114             | 1.025     | 0.278              | 0.310  |     |
| 3603.30                               | 55773 | Low-Mid  | LTE Band 48     | 20                          | 17.50                 | 17.26            | -0.14    | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1.58   | 0.893          | 1.057             | 0.944     | 0.292              | 0.309  |     |
| 3646.70                               | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.35            | 0.00     | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 1         | 0       | 0 mm | back       | 1:1.58   | 0.936          | 1.035             | 0.969     | 0.303              | 0.314  |     |
| 3690.00                               | 56640 | High     | LTE Band 48     | 20                          | 17.50                 | 17.28            | -0.02    | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 1         | 0       | 0 mm | back       | 1:1.58   | 0.752          | 1.052             | 0.791     | 0.257              | 0.270  |     |
| 3560.00                               | 55340 | Low      | LTE Band 48     | 20                          | 17.50                 | 17.00            | -0.07    | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 50        | 0       | 0 mm | back       | 1:1.58   | 0.796          | 1.122             | 0.893     | 0.226              | 0.254  |     |
| 3603.30                               | 55773 | Low-Mid  | LTE Band 48     | 20                          | 17.50                 | 17.14            | -0.07    | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 50        | 50      | 0 mm | back       | 1:1.58   | 0.779          | 1.086             | 0.846     | 0.239              | 0.260  |     |
| 3646.70                               | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.22            | -0.07    | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 50        | 50      | 0 mm | back       | 1:1.58   | 0.887          | 1.067             | 0.946     | 0.294              | 0.314  |     |
| 3690.00                               | 56640 | High     | LTE Band 48     | 20                          | 17.50                 | 17.11            | 0.00     | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 50        | 0       | 0 mm | back       | 1:1.58   | 0.746          | 1.094             | 0.816     | 0.249              | 0.272  |     |
| 3646.70                               | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.21            | -0.06    | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 100       | 0       | 0 mm | back       | 1:1.58   | 0.788          | 1.069             | 0.842     | 0.253              | 0.270  |     |
| 3560.00                               | 55340 | Low      | LTE Band 48     | 20                          | 17.50                 | 17.03            | -0.03    | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 1         | 0       | 0 mm | top        | 1:1.58   | 0.841          | 1.114             | 0.937     | 0.222              | 0.247  |     |
| 3603.30                               | 55773 | Low-Mid  | LTE Band 48     | 20                          | 17.50                 | 17.26            | -0.03    | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 1         | 99      | 0 mm | top        | 1:1.58   | 0.800          | 1.057             | 0.846     | 0.209              | 0.221  |     |
| 3646.70                               | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.35            | -0.02    | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 1         | 0       | 0 mm | top        | 1:1.58   | 0.780          | 1.035             | 0.807     | 0.201              | 0.208  |     |
| 3690.00                               | 56640 | High     | LTE Band 48     | 20                          | 17.50                 | 17.28            | 0.00     | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 1         | 0       | 0 mm | top        | 1:1.58   | 0.731          | 1.052             | 0.769     | 0.187              | 0.197  |     |
| 3560.00                               | 55340 | Low      | LTE Band 48     | 20                          | 17.50                 | 17.00            | 0.00     | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 50        | 0       | 0 mm | top        | 1:1.58   | 0.817          | 1.122             | 0.917     | 0.214              | 0.240  |     |
| 3603.30                               | 55773 | Low-Mid  | LTE Band 48     | 20                          | 17.50                 | 17.14            | -0.03    | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 50        | 50      | 0 mm | top        | 1:1.58   | 0.804          | 1.086             | 0.873     | 0.208              | 0.226  |     |
| 3646.70                               | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.22            | 0.02     | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 50        | 50      | 0 mm | top        | 1:1.58   | 0.736          | 1.067             | 0.785     | 0.190              | 0.203  |     |
| 3690.00                               | 56640 | High     | LTE Band 48     | 20                          | 17.50                 | 17.11            | 0.00     | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 50        | 0       | 0 mm | top        | 1:1.58   | 0.695          | 1.094             | 0.760     | 0.177              | 0.194  |     |
| 3646.70                               | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.21            | -0.02    | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 100       | 0       | 0 mm | top        | 1:1.58   | 0.753          | 1.069             | 0.805     | 0.195              | 0.208  |     |
| 3646.70                               | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.35            | 0.02     | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1.58   | 0.006          | 1.035             | 0.006     | 0.001              | 0.001  |     |
| 3646.70                               | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.22            | 0.04     | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 50        | 50      | 0 mm | bottom     | 1:1.58   | 0.006          | 1.067             | 0.006     | 0.001              | 0.001  |     |
| 3560.00                               | 55340 | Low      | LTE Band 48     | 20                          | 17.50                 | 17.03            | 0.01     | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 1         | 0       | 0 mm | right      | 1:1.58   | 0.980          | 1.114             | 1.092     | 0.280              | 0.312  |     |
| 3603.30                               | 55773 | Low-Mid  | LTE Band 48     | 20                          | 17.50                 | 17.26            | -0.03    | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 1         | 99      | 0 mm | right      | 1:1.58   | 1.120          | 1.057             | 1.184     | 0.309              | 0.327  | A19 |
| 3646.70                               | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.35            | 0.01     | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 1         | 0       | 0 mm | right      | 1:1.58   | 1.110          | 1.035             | 1.149     | 0.304              | 0.315  |     |
| 3690.00                               | 56640 | High     | LTE Band 48     | 20                          | 17.50                 | 17.28            | 0.00     | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 1         | 0       | 0 mm | right      | 1:1.58   | 0.988          | 1.052             | 1.050     | 0.273              | 0.287  |     |
| 3560.00                               | 55340 | Low      | LTE Band 48     | 20                          | 17.50                 | 17.00            | -0.04    | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 50        | 0       | 0 mm | right      | 1:1.58   | 1.060          | 1.122             | 1.189     | 0.298              | 0.334  |     |
| 3603.30                               | 55773 | Low-Mid  | LTE Band 48     | 20                          | 17.50                 | 17.14            | 0.00     | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 50        | 50      | 0 mm | right      | 1:1.58   | 1.060          | 1.086             | 1.151     | 0.295              | 0.320  |     |
| 3646.70                               | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.22            | -0.19    | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 50        | 50      | 0 mm | right      | 1:1.58   | 1.020          | 1.067             | 1.088     | 0.279              | 0.298  |     |
| 3690.00                               | 56640 | High     | LTE Band 48     | 20                          | 17.50                 | 17.11            | 0.01     | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 50        | 0       | 0 mm | right      | 1:1.58   | 0.989          | 1.094             | 1.082     | 0.269              | 0.294  |     |
| 3646.70                               | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.21            | -0.01    | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 100       | 0       | 0 mm | right      | 1:1.58   | 1.070          | 1.069             | 1.144     | 0.295              | 0.315  |     |
| 3646.70                               | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.35            | 0.00     | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 1         | 0       | 0 mm | left       | 1:1.58   | 0.000          | 1.035             | 0.000     | 0.000              | 0.000  |     |
| 3646.70                               | 56207 | Mid-High | LTE Band 48     | 20                          | 17.50                 | 17.22            | 0.00     | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 50        | 50      | 0 mm | left       | 1:1.58   | 0.000          | 1.067             | 0.000     | 0.000              | 0.000  |     |
| 3603.3                                | 55773 | Low-Mid  | LTE Band 48     | 20                          | 17.50                 | 17.26            | -0.03    | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 1         | 99      | 0 mm | right      | 1:1.58   | 0.997          | 1.057             | 1.054     | 0.284              | 0.300  |     |
| 3560                                  | 55340 | Low      | LTE Band 48     | 20                          | 17.50                 | 17.00            | -0.06    | 0                                               | Ant 3                | DLXZV00QPQLD | QPSK    | 50        | 0       | 0 mm | right      | 1:1.58   | 0.902          | 1.122             | 1.012     | 0.268              | 0.301  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT |       |          |                 |                             |                       |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |              |         |           |         |      |            |          |                |                   |           |                    |        |     |
| Spatial Peak                          |       |          |                 |                             |                       |                  |          | Uncontrolled Exposure/General Population        |                      |              |         |           |         |      |            |          |                |                   |           |                    |        |     |

**Table 10-59**  
**LTE Band 48 Ant 2b 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 (1g) | Scaling Factor | Reported SAR (1g) | SAR (10g) | Reported SAR (10g) | Plot # |  |
| MHz                                      | Ch.   |          |                 |                             |                       |                  |          |                      |                      |             |         |           |         |      |            | (W/kg)   |                | (W/kg)            |           | (W/kg)             |        |  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 14.80                 | 14.17            | 0.00     | 0                    | Ant 2b               | DLXZVGQPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1.58   | 0.919          | 1.156             | 1.062     | 0.270              | 0.312  |  |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 14.80                 | 14.45            | -0.01    | 0                    | Ant 2b               | DLXZVGQPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1.58   | 0.692          | 1.084             | 0.750     | 0.201              | 0.218  |  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 14.80                 | 14.58            | -0.01    | 0                    | Ant 2b               | DLXZVGQPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1.58   | 0.608          | 1.052             | 0.640     | 0.175              | 0.184  |  |
| 3690.00                                  | 56640 | High     | LTE Band 48     | 20                          | 14.80                 | 14.33            | -0.03    | 0                    | Ant 2b               | DLXZVGQPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1.58   | 0.602          | 1.114             | 0.671     | 0.173              | 0.193  |  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 14.80                 | 14.44            | -0.02    | 0                    | Ant 2b               | DLXZVGQPQLD | QPSK    | 50        | 25      | 0 mm | back       | 1:1.58   | 0.906          | 1.086             | 0.984     | 0.268              | 0.291  |  |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 14.80                 | 14.26            | 0.00     | 0                    | Ant 2b               | DLXZVGQPQLD | QPSK    | 50        | 0       | 0 mm | back       | 1:1.58   | 0.726          | 1.132             | 0.822     | 0.212              | 0.240  |  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 14.80                 | 14.46            | 0.03     | 0                    | Ant 2b               | DLXZVGQPQLD | QPSK    | 50        | 0       | 0 mm | back       | 1:1.58   | 0.625          | 1.081             | 0.676     | 0.181              | 0.196  |  |
| 3690.00                                  | 56640 | High     | LTE Band 48     | 20                          | 14.80                 | 14.21            | -0.03    | 0                    | Ant 2b               | DLXZVGQPQLD | QPSK    | 50        | 25      | 0 mm | back       | 1:1.58   | 0.565          | 1.146             | 0.647     | 0.162              | 0.186  |  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 14.80                 | 14.45            | 0.00     | 0                    | Ant 2b               | DLXZVGQPQLD | QPSK    | 100       | 0       | 0 mm | back       | 1:1.58   | 0.929          | 1.084             | 1.007     | 0.274              | 0.297  |  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 14.80                 | 14.58            | 0.00     | 0                    | Ant 2b               | DLXZVGQPQLD | QPSK    | 1         | 99      | 0 mm | top        | 1:1.58   | 0.000          | 1.052             | 0.000     | 0.000              | 0.000  |  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 14.80                 | 14.46            | 0.00     | 0                    | Ant 2b               | DLXZVGQPQLD | QPSK    | 50        | 0       | 0 mm | top        | 1:1.58   | 0.000          | 1.081             | 0.000     | 0.000              | 0.000  |  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 14.80                 | 14.58            | 0.04     | 0                    | Ant 2b               | DLXZVGQPQLD | QPSK    | 1         | 99      | 0 mm | bottom     | 1:1.58   | 0.194          | 1.052             | 0.204     | 0.054              | 0.057  |  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 14.80                 | 14.46            | -0.03    | 0                    | Ant 2b               | DLXZVGQPQLD | QPSK    | 50        | 0       | 0 mm | bottom     | 1:1.58   | 0.189          | 1.081             | 0.204     | 0.052              | 0.056  |  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 14.80                 | 14.58            | 0.02     | 0                    | Ant 2b               | DLXZVGQPQLD | QPSK    | 1         | 99      | 0 mm | right      | 1:1.58   | 0.009          | 1.052             | 0.009     | 0.002              | 0.002  |  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 14.80                 | 14.46            | 0.14     | 0                    | Ant 2b               | DLXZVGQPQLD | QPSK    | 50        | 0       | 0 mm | right      | 1:1.58   | 0.008          | 1.081             | 0.009     | 0.002              | 0.002  |  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 14.80                 | 14.58            | 0.02     | 0                    | Ant 2b               | DLXZVGQPQLD | QPSK    | 1         | 99      | 0 mm | left       | 1:1.58   | 0.003          | 1.052             | 0.003     | 0.001              | 0.001  |  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 14.80                 | 14.46            | 0.02     | 0                    | Ant 2b               | DLXZVGQPQLD | QPSK    | 50        | 0       | 0 mm | left       | 1:1.58   | 0.002          | 1.081             | 0.002     | 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 10-60**  
**LTE Band 48 Ant 4b 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 (1g) | Scaling Factor | Reported SAR (1g) | SAR (10g) | Reported SAR (10g) | Plot # |  |
| MHz                                      | Ch.   |          |                 |                             |                       |                  |          |                      |                      |              |         |           |         |      |            | (W/kg)   |                | (W/kg)            | (W/kg)    |                    |        |  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 16.40                 | 16.38            | 0.02     | 0                    | Ant 4b               | DLXZV01EPQLD | QPSK    | 1         | 50      | 0 mm | back       | 1:1.58   | 1.040          | 1.005             | 1.045     | 0.310              | 0.312  |  |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 16.40                 | 16.35            | -0.04    | 0                    | Ant 4b               | DLXZV01EPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1.58   | 0.979          | 1.012             | 0.991     | 0.286              | 0.289  |  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 16.40                 | 16.36            | -0.04    | 0                    | Ant 4b               | DLXZV01EPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1.58   | 0.966          | 1.009             | 0.975     | 0.280              | 0.283  |  |
| 3690.00                                  | 56640 | High     | LTE Band 48     | 20                          | 16.40                 | 16.30            | -0.02    | 0                    | Ant 4b               | DLXZV01EPQLD | QPSK    | 1         | 99      | 0 mm | back       | 1:1.58   | 0.983          | 1.023             | 1.006     | 0.282              | 0.288  |  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 16.40                 | 16.33            | -0.03    | 0                    | Ant 4b               | DLXZV01EPQLD | QPSK    | 50        | 0       | 0 mm | back       | 1:1.58   | 1.020          | 1.016             | 1.036     | 0.304              | 0.309  |  |
| 3603.30                                  | 55773 | Low-Mid  | LTE Band 48     | 20                          | 16.40                 | 16.07            | -0.01    | 0                    | Ant 4b               | DLXZV01EPQLD | QPSK    | 50        | 0       | 0 mm | back       | 1:1.58   | 0.942          | 1.079             | 1.016     | 0.276              | 0.298  |  |
| 3646.70                                  | 56207 | Mid-High | LTE Band 48     | 20                          | 16.40                 | 16.21            | -0.02    | 0                    | Ant 4b               | DLXZV01EPQLD | QPSK    | 50        | 0       | 0 mm | back       | 1:1.58   | 0.927          | 1.045             | 0.969     | 0.269              | 0.281  |  |
| 3690.00                                  | 56640 | High     | LTE Band 48     | 20                          | 16.40                 | 16.07            | -0.04    | 0                    | Ant 4b               | DLXZV01EPQLD | QPSK    | 50        | 50      | 0 mm | back       | 1:1.58   | 0.947          | 1.079             | 1.022     | 0.271              | 0.292  |  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 16.40                 | 16.32            | 0.01     | 0                    | Ant 4b               | DLXZV01EPQLD | QPSK    | 100       | 0       | 0 mm | back       | 1:1.58   | 1.040          | 1.019             | 1.060     | 0.311              | 0.317  |  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 16.40                 | 16.38            | 0.03     | 0                    | Ant 4b               | DLXZV01EPQLD | QPSK    | 1         | 50      | 0 mm | top        | 1:1.58   | 0.355          | 1.005             | 0.357     | 0.100              | 0.101  |  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 16.40                 | 16.33            | -0.03    | 0                    | Ant 4b               | DLXZV01EPQLD | QPSK    | 50        | 0       | 0 mm | top        | 1:1.58   | 0.347          | 1.016             | 0.353     | 0.097              | 0.099  |  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 16.40                 | 16.38            | 0.00     | 0                    | Ant 4b               | DLXZV01EPQLD | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1.58   | 0.000          | 1.005             | 0.000     | 0.000              | 0.000  |  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 16.40                 | 16.33            | 0.00     | 0                    | Ant 4b               | DLXZV01EPQLD | QPSK    | 50        | 0       | 0 mm | bottom     | 1:1.58   | 0.000          | 1.016             | 0.000     | 0.000              | 0.000  |  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 16.40                 | 16.38            | 0.01     | 0                    | Ant 4b               | DLXZV01EPQLD | QPSK    | 1         | 50      | 0 mm | right      | 1:1.58   | 0.008          | 1.005             | 0.008     | 0.002              | 0.002  |  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 16.40                 | 16.33            | 0.07     | 0                    | Ant 4b               | DLXZV01EPQLD | QPSK    | 50        | 0       | 0 mm | right      | 1:1.58   | 0.006          | 1.016             | 0.006     | 0.002              | 0.002  |  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 16.40                 | 16.38            | 0.16     | 0                    | Ant 4b               | DLXZV01EPQLD | QPSK    | 1         | 50      | 0 mm | left       | 1:1.58   | 0.032          | 1.005             | 0.032     | 0.008              | 0.008  |  |
| 3560.00                                  | 55340 | Low      | LTE Band 48     | 20                          | 16.40                 | 16.33            | 0.08     | 0                    | Ant 4b               | DLXZV01EPQLD | QPSK    | 50        | 0       | 0 mm | left       | 1:1.58   | 0.030          | 1.016             | 0.030     | 0.007              | 0.007  |  |
| 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: BCGA2069                        |  | <b>SAR EVALUATION REPORT</b> | <b>Approved by:</b><br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                              | DUT Type:<br>Tablet Device   | Page 258 of 297                        |

Table 10-61  
2.4 GHz WLAN Ant 2a Body SAR

| MEASUREMENT RESULTS                      |     |         |         |                 |                             |                       |               |         |                      |         |                      |                  |        |                |          |                        |                             |                   |          |                   |        |
|------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|---------------|---------|----------------------|---------|----------------------|------------------|--------|----------------|----------|------------------------|-----------------------------|-------------------|----------|-------------------|--------|
| FREQUENCY                                |     | Mode    | Service | Bandwidth (MHz) | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Dn (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                       | 13.25                 | -0.02         | 0 mm    | Ant 2A               | V1      | DLXN00LP57T          | 1                | back   | 99.9           | 0.953    | 1.189                  | 1.011                       | 1.182             | 0.429    | 0.516             | A20    |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 14.00                       | 13.13                 | -0.03         | 0 mm    | Ant 2A               | V2      | DLXN00LP57T          | 1                | back   | 99.1           | 0.914    | 1.222                  | 1.009                       | 1.127             | 0.400    | 0.493             |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 14.00                       | 13.10                 | 0.01          | 0 mm    | Ant 2A               | V1      | DLXN00LP57T          | 1                | back   | 99.9           | 0.935    | 1.230                  | 1.011                       | 1.163             | 0.412    | 0.512             |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 14.00                       | 13.26                 | 0.00          | 0 mm    | Ant 2A               | V1      | DLXN00LP57T          | 1                | back   | 99.9           | 0.942    | 1.186                  | 1.011                       | 1.130             | 0.404    | 0.484             |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 14.00                       | 13.26                 | -0.01         | 0 mm    | Ant 2A               | V1      | DLXN00LP57T          | 1                | top    | 99.9           | 0.022    | 1.186                  | 1.011                       | 0.026             | 0.009    | 0.011             |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 14.00                       | 13.26                 | -0.05         | 0 mm    | Ant 2A               | V1      | DLXN00LP57T          | 1                | bottom | 99.9           | 0.498    | 1.186                  | 1.011                       | 0.597             | 0.152    | 0.182             |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 14.00                       | 13.26                 | 0.00          | 0 mm    | Ant 2A               | V1      | DLXN00LP57T          | 1                | right  | 99.9           | 0.534    | 1.186                  | 1.011                       | 0.640             | 0.186    | 0.223             |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 14.00                       | 13.26                 | 0.00          | 0 mm    | Ant 2A               | V1      | DLXN00LP57T          | 1                | left   | 99.9           | 0.000    | 1.186                  | 1.011                       | 0.000             | 0.000    | 0.000             |        |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 7.00                        | 6.20                  | 0.06          | 0 mm    | Ant 2A               | V1      | DLXN00LP57T          | 1                | back   | 99.9           | 0.227    | 1.202                  | 1.011                       | 0.276             | 0.099    | 0.120             |        |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 7.00                        | 6.20                  | -0.03         | 0 mm    | Ant 2A               | V1      | DLXN00LP57T          | 1                | bottom | 99.9           | 0.105    | 1.202                  | 1.011                       | 0.128             | 0.021    | 0.038             |        |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 7.00                        | 6.20                  | 0.01          | 0 mm    | Ant 2A               | V1      | DLXN00LP57T          | 1                | right  | 99.9           | 0.134    | 1.202                  | 1.011                       | 0.163             | 0.047    | 0.057             |        |
| 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 10-62  
2.4 GHz WLAN Ant 4a Body SAR

| MEASUREMENT RESULTS                      |     |         |         |                 |                             |                       |               |         |                 |         |                      |                  |        |                |            |                        |                             |                     |            |                     |        |
|------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|---------------|---------|-----------------|---------|----------------------|------------------|--------|----------------|------------|------------------------|-----------------------------|---------------------|------------|---------------------|--------|
| FREQUENCY                                |     | Mode    | Service | Bandwidth (MHz) | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power Dn (dB) | Spacing | Antenna Config. | Variant | Device Serial Number | Data Rate (Mbps) | Side   | Duty Cycle (%) | SAR (W/kg) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (W/kg) | SAR (W/kg) | Reported SAR (W/kg) | Plot # |
| MHz                                      | Ch. |         |         |                 |                             |                       |               |         |                 |         |                      |                  |        |                |            |                        |                             |                     |            |                     |        |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 13.75                       | 12.81                 | -0.04         | 0 mm    | Ant 4A          | V1      | DLXN00LP57T          | 1                | back   | 99.9           | 0.875      | 1.242                  | 1.011                       | 1.099               | 0.389      | 0.488               |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 13.75                       | 12.94                 | 0.00          | 0 mm    | Ant 4A          | V1      | DLXN00LP57T          | 1                | back   | 99.9           | 0.934      | 1.205                  | 1.011                       | 1.138               | 0.408      | 0.497               |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 13.75                       | 12.85                 | 0.06          | 0 mm    | Ant 4A          | V1      | DLXN00LP57T          | 1                | back   | 99.9           | 0.905      | 1.230                  | 1.011                       | 1.152               | 0.395      | 0.491               |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 13.75                       | 12.76                 | -0.02         | 0 mm    | Ant 4A          | V2      | DLXN01BP57R          | 1                | back   | 99.1           | 0.880      | 1.256                  | 1.009                       | 1.115               | 0.378      | 0.479               |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 13.75                       | 12.94                 | -0.04         | 0 mm    | Ant 4A          | V1      | DLXN00LP57T          | 1                | top    | 99.9           | 0.442      | 1.205                  | 1.011                       | 0.538               | 0.136      | 0.164               |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 13.75                       | 12.94                 | 0.14          | 0 mm    | Ant 4A          | V1      | DLXN00LP57T          | 1                | bottom | 99.9           | 0.028      | 1.205                  | 1.011                       | 0.022               | 0.007      | 0.009               |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 13.75                       | 12.94                 | 0.06          | 0 mm    | Ant 4A          | V1      | DLXN00LP57T          | 1                | right  | 99.9           | 0.000      | 1.205                  | 1.011                       | 0.000               | 0.000      | 0.000               |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 13.75                       | 12.94                 | 0.00          | 0 mm    | Ant 4A          | V1      | DLXN00LP57T          | 1                | left   | 99.9           | 0.605      | 1.205                  | 1.011                       | 0.798               | 0.233      | 0.284               |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 6.75                        | 5.94                  | 0.07          | 0 mm    | Ant 4A          | V1      | DLXN00LP57T          | 1                | back   | 99.9           | 0.184      | 1.205                  | 1.011                       | 0.224               | 0.078      | 0.095               |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 6.75                        | 5.94                  | -0.06         | 0 mm    | Ant 4A          | V1      | DLXN00LP57T          | 1                | top    | 99.9           | 0.086      | 1.205                  | 1.011                       | 0.105               | 0.025      | 0.030               |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 6.75                        | 5.94                  | 0.04          | 0 mm    | Ant 4A          | V1      | DLXN00LP57T          | 1                | left   | 99.9           | 0.112      | 1.205                  | 1.011                       | 0.136               | 0.038      | 0.046               |        |
| 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: BCGA2069                        |  <b>PCTEST</b> |                            | SAR EVALUATION REPORT | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                            | DUT Type:<br>Tablet Device |                       | Page 259 of 297                 |

Table 10-63  
5 GHz WLAN 5 GHz 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 (lg) [W/kg] | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (lg) [W/kg] | SAR (lg) [W/kg] | Reported SAR (lg) [W/kg] | Plot # |
| MHz                                                      | Ch. |          |         |                 |                             |                       |                  |                                                 |                 |         |                      |                  |        |                |                 |                        |                             |                          |                 |                          |        |
| 5230                                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 16.24                 | 0.06             | 0 mm                                            | 5 GHz ANTlower  | V2      | DLX2N005P57T         | 13.5             | back   | 97.7           | 0.074           | 1.191                  | 1.024                       | 0.090                    | 0.029           | 0.035                    |        |
| 5230                                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 16.24                 | -0.16            | 0 mm                                            | 5 GHz ANTlower  | V2      | DLX2N005P57T         | 13.5             | top    | 97.7           | 0.005           | 1.191                  | 1.024                       | 0.006                    | 0.002           | 0.002                    |        |
| 5230                                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 16.24                 | 0.03             | 0 mm                                            | 5 GHz ANTlower  | V2      | DLX2N005P57T         | 13.5             | bottom | 97.7           | 0.004           | 1.191                  | 1.024                       | 0.005                    | 0.002           | 0.002                    |        |
| 5190                                                     | 38  | 802.11n  | OFDM    | 40              | 14.00                       | 12.63                 | 0.07             | 0 mm                                            | 5 GHz ANTlower  | V2      | DLX2N005P57T         | 13.5             | right  | 97.7           | 0.338           | 1.371                  | 1.024                       | 0.475                    | 0.075           | 0.105                    |        |
| 5230                                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 16.24                 | 0.05             | 0 mm                                            | 5 GHz ANTlower  | V2      | DLX2N005P57T         | 13.5             | right  | 97.7           | 0.821           | 1.191                  | 1.024                       | 1.001                    | 0.195           | 0.238                    |        |
| 5230                                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 16.06                 | 0.03             | 0 mm                                            | 5 GHz ANTlower  | V1      | DLX2N004P57R         | 13.5             | right  | 98.0           | 0.685           | 1.242                  | 1.020                       | 0.868                    | 0.160           | 0.203                    |        |
| 5230                                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 16.24                 | 0.03             | 0 mm                                            | 5 GHz ANTlower  | V2      | DLX2N005P57T         | 13.5             | left   | 97.7           | 0.005           | 1.191                  | 1.024                       | 0.006                    | 0.003           | 0.004                    |        |
| 5210                                                     | 42  | 802.11ac | OFDM    | 80              | 13.00                       | 12.19                 | 0.03             | 0 mm                                            | 5 GHz ANTlower  | V2      | DLX2N005P57T         | 29.3             | right  | 95.7           | 0.263           | 1.205                  | 1.045                       | 0.331                    | 0.069           | 0.087                    |        |
| 5230                                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 16.24                 | -0.18            | 0 mm                                            | 5 GHz ANTlower  | V2      | DLX2N005P57T         | 13.5             | right  | 97.7           | 0.720           | 1.191                  | 1.024                       | 0.878                    | 0.193           | 0.235                    |        |
| 5690                                                     | 138 | 802.11ac | OFDM    | 80              | 15.50                       | 14.65                 | -0.19            | 0 mm                                            | 5 GHz ANTlower  | V1      | DLX2N00LP57T         | 29.3             | back   | 95.7           | 0.083           | 1.216                  | 1.045                       | 0.105                    | 0.033           | 0.042                    |        |
| 5690                                                     | 138 | 802.11ac | OFDM    | 80              | 15.50                       | 14.65                 | -0.05            | 0 mm                                            | 5 GHz ANTlower  | V1      | DLX2N00LP57T         | 29.3             | top    | 95.7           | 0.001           | 1.216                  | 1.045                       | 0.001                    | 0.000           | 0.000                    |        |
| 5690                                                     | 138 | 802.11ac | OFDM    | 80              | 15.50                       | 14.65                 | 0.04             | 0 mm                                            | 5 GHz ANTlower  | V1      | DLX2N00LP57T         | 29.3             | bottom | 95.7           | 0.000           | 1.216                  | 1.045                       | 0.000                    | 0.000           | 0.000                    |        |
| 5630                                                     | 106 | 802.11ac | OFDM    | 80              | 13.00                       | 11.06                 | -0.12            | 0 mm                                            | 5 GHz ANTlower  | V1      | DLX2N00LP57T         | 29.3             | right  | 95.7           | 0.291           | 1.563                  | 1.045                       | 0.475                    | 0.077           | 0.126                    |        |
| 5610                                                     | 122 | 802.11ac | OFDM    | 80              | 15.50                       | 14.50                 | -0.04            | 0 mm                                            | 5 GHz ANTlower  | V1      | DLX2N00LP57T         | 29.3             | right  | 95.7           | 0.762           | 1.259                  | 1.045                       | 1.003                    | 0.232           | 0.305                    |        |
| 5610                                                     | 122 | 802.11ac | OFDM    | 80              | 15.50                       | 14.60                 | 0.07             | 0 mm                                            | 5 GHz ANTlower  | V2      | DLX2R018P57R         | 29.3             | right  | 96.0           | 0.729           | 1.230                  | 1.042                       | 0.934                    | 0.185           | 0.237                    |        |
| 5690                                                     | 138 | 802.11ac | OFDM    | 80              | 15.50                       | 14.65                 | 0.09             | 0 mm                                            | 5 GHz ANTlower  | V1      | DLX2N00LP57T         | 29.3             | right  | 95.7           | 0.720           | 1.216                  | 1.045                       | 0.915                    | 0.191           | 0.243                    |        |
| 5690                                                     | 138 | 802.11ac | OFDM    | 80              | 15.50                       | 14.65                 | 0.12             | 0 mm                                            | 5 GHz ANTlower  | V1      | DLX2N00LP57T         | 29.3             | left   | 95.7           | 0.008           | 1.216                  | 1.045                       | 0.010                    | 0.004           | 0.005                    |        |
| 5690                                                     | 138 | 802.11ac | OFDM    | 80              | 11.50                       | 10.62                 | -0.04            | 0 mm                                            | 5 GHz ANTlower  | V1      | DLX2N00LP57T         | 29.3             | back   | 95.7           | 0.030           | 1.225                  | 1.045                       | 0.038                    | 0.015           | 0.019                    |        |
| 5690                                                     | 138 | 802.11ac | OFDM    | 80              | 11.50                       | 10.62                 | 0.04             | 0 mm                                            | 5 GHz ANTlower  | V1      | DLX2N00LP57T         | 29.3             | right  | 95.7           | 0.275           | 1.225                  | 1.045                       | 0.352                    | 0.081           | 0.104                    |        |
| 5775                                                     | 155 | 802.11ac | OFDM    | 80              | 15.50                       | 14.67                 | 0.06             | 0 mm                                            | 5 GHz ANTlower  | V2      | DLX2V011PQLD         | 29.3             | back   | 95.7           | 0.103           | 1.211                  | 1.045                       | 0.130                    | 0.040           | 0.051                    |        |
| 5775                                                     | 155 | 802.11ac | OFDM    | 80              | 15.50                       | 14.67                 | -0.13            | 0 mm                                            | 5 GHz ANTlower  | V2      | DLX2V011PQLD         | 29.3             | top    | 95.7           | 0.000           | 1.211                  | 1.045                       | 0.000                    | 0.000           | 0.000                    |        |
| 5775                                                     | 155 | 802.11ac | OFDM    | 80              | 15.50                       | 14.67                 | 0.12             | 0 mm                                            | 5 GHz ANTlower  | V2      | DLX2V011PQLD         | 29.3             | bottom | 95.7           | 0.007           | 1.211                  | 1.045                       | 0.009                    | 0.004           | 0.005                    |        |
| 5775                                                     | 155 | 802.11ac | OFDM    | 80              | 15.50                       | 14.67                 | -0.01            | 0 mm                                            | 5 GHz ANTlower  | V2      | DLX2V011PQLD         | 29.3             | right  | 95.7           | 0.852           | 1.211                  | 1.045                       | 1.078                    | 0.228           | 0.289                    |        |
| 5775                                                     | 155 | 802.11ac | OFDM    | 80              | 15.50                       | 15.00                 | 0.08             | 0 mm                                            | 5 GHz ANTlower  | V1      | DLX2N004P57R         | 29.3             | right  | 95.7           | 0.834           | 1.222                  | 1.045                       | 0.978                    | 0.209           | 0.245                    |        |
| 5775                                                     | 155 | 802.11ac | OFDM    | 80              | 15.50                       | 14.67                 | -0.12            | 0 mm                                            | 5 GHz ANTlower  | V2      | DLX2V011PQLD         | 29.3             | left   | 95.7           | 0.007           | 1.211                  | 1.045                       | 0.009                    | 0.003           | 0.004                    |        |
| 5775                                                     | 155 | 802.11ac | OFDM    | 80              | 11.50                       | 10.55                 | 0.07             | 0 mm                                            | 5 GHz ANTlower  | V2      | DLX2V011PQLD         | 29.3             | back   | 95.7           | 0.038           | 1.245                  | 1.045                       | 0.049                    | 0.017           | 0.022                    |        |
| 5775                                                     | 155 | 802.11ac | OFDM    | 80              | 11.50                       | 10.55                 | -0.07            | 0 mm                                            | 5 GHz ANTlower  | V2      | DLX2V011PQLD         | 29.3             | right  | 95.7           | 0.262           | 1.245                  | 1.045                       | 0.341                    | 0.076           | 0.099                    |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT                    |     |          |         |                 |                             |                       |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |         |                      |                  |        |                |                 |                        |                             |                          |                 |                          |        |
| Spatial Peak<br>Uncontrolled Exposure/General Population |     |          |         |                 |                             |                       |                  |                                                 |                 |         |                      |                  |        |                |                 |                        |                             |                          |                 |                          |        |

Note: Blue entry represents variability measurement.

Table 10-64  
5 GHz WLAN 5 GHz ANTupper 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 (lg) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (lg) | SAR (lg) | Reported SAR (lg) | Plot |
| MHz                                                      | Ch. |          |         |                 |                             |                       |                  |                                                 |                 |         |                      |                  |        |                | [W/kg]   |                        | [W/kg]                      | [W/kg]            | [W/kg]   |                   |      |
| 5230                                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 15.90                 | 0.05             | 0 mm                                            | 5 GHz ANTupper  | V2      | DLX2N005P57T         | 13.5             | back   | 98.0           | 0.063    | 1.288                  | 1.020                       | 0.083             | 0.026    | 0.034             |      |
| 5230                                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 15.90                 | 0.07             | 0 mm                                            | 5 GHz ANTupper  | V2      | DLX2N005P57T         | 13.5             | top    | 98.0           | 0.001    | 1.288                  | 1.020                       | 0.001             | 0.000    | 0.000             |      |
| 5230                                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 15.90                 | -0.09            | 0 mm                                            | 5 GHz ANTupper  | V2      | DLX2N005P57T         | 13.5             | bottom | 98.0           | 0.004    | 1.288                  | 1.020                       | 0.005             | 0.002    | 0.003             |      |
| 5190                                                     | 38  | 802.11n  | OFDM    | 40              | 14.00                       | 12.60                 | -0.02            | 0 mm                                            | 5 GHz ANTupper  | V2      | DLX2N005P57T         | 13.5             | right  | 98.0           | 0.226    | 1.380                  | 1.020                       | 0.318             | 0.060    | 0.084             |      |
| 5230                                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 15.90                 | -0.04            | 0 mm                                            | 5 GHz ANTupper  | V2      | DLX2N005P57T         | 13.5             | right  | 98.0           | 0.767    | 1.288                  | 1.020                       | 1.008             | 0.199    | 0.261             |      |
| 5230                                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 15.95                 | 0.03             | 0 mm                                            | 5 GHz ANTupper  | V1      | DLX2N00LP57T         | 13.5             | right  | 98.0           | 0.636    | 1.274                  | 1.020                       | 0.826             | 0.169    | 0.220             |      |
| 5230                                                     | 46  | 802.11n  | OFDM    | 40              | 17.00                       | 15.90                 | 0.09             | 0 mm                                            | 5 GHz ANTupper  | V2      | DLX2N005P57T         | 13.5             | left   | 98.0           | 0.005    | 1.288                  | 1.020                       | 0.007             | 0.002    | 0.003             |      |
| 5210                                                     | 42  | 802.11ac | OFDM    | 80              | 12.00                       | 11.02                 | -0.01            | 0 mm                                            | 5 GHz ANTupper  | V2      | DLX2N005P57T         | 29.3             | right  | 96.0           | 0.242    | 1.253                  | 1.042                       | 0.316             | 0.065    | 0.085             |      |
| 5610                                                     | 122 | 802.11ac | OFDM    | 80              | 15.50                       | 14.69                 | -0.02            | 0 mm                                            | 5 GHz ANTupper  | V2      | DLX2V011PQLD         | 29.3             | back   | 96.0           | 0.067    | 1.205                  | 1.042                       | 0.084             | 0.029    | 0.036             |      |
| 5610                                                     | 122 | 802.11ac | OFDM    | 80              | 15.50                       | 14.69                 | 0.09             | 0 mm                                            | 5 GHz ANTupper  | V2      | DLX2V011PQLD         | 29.3             | top    | 96.0           | 0.002    | 1.205                  | 1.042                       | 0.003             | 0.000    | 0.000             |      |
| 5610                                                     | 122 | 802.11ac | OFDM    | 80              | 15.50                       | 14.69                 | 0.03             | 0 mm                                            | 5 GHz ANTupper  | V2      | DLX2V011PQLD         | 29.3             | bottom | 96.0           | 0.000    | 1.205                  | 1.042                       | 0.000             | 0.000    | 0.000             |      |
| 5530                                                     | 106 | 802.11ac | OFDM    | 80              | 13.00                       | 11.12                 | 0.07             | 0 mm                                            | 5 GHz ANTupper  | V2      | DLX2V011PQLD         | 29.3             | right  | 96.0           | 0.311    | 1.542                  | 1.042                       | 0.500             | 0.078    | 0.125             |      |
| 5610                                                     | 122 | 802.11ac | OFDM    | 80              | 15.50                       | 14.69                 | -0.02            | 0 mm                                            | 5 GHz ANTupper  | V2      | DLX2V011PQLD         | 29.3             | right  | 96.0           | 0.834    | 1.205                  | 1.042                       | 1.047             | 0.242    | 0.304             |      |
| 5610                                                     | 122 | 802.11ac | OFDM    | 80              | 15.50                       | 14.66                 | 0.05             | 0 mm                                            | 5 GHz ANTupper  | V1      | DLX2V00RPQLD         | 29.3             | right  | 96.0           | 0.823    | 1.213                  | 1.042                       | 1.040             | 0.247    | 0.312             |      |
| 5690                                                     | 138 | 802.11ac | OFDM    | 80              | 15.50                       | 14.61                 | -0.03            | 0 mm                                            | 5 GHz ANTupper  | V2      | DLX2V011PQLD         | 29.3             | right  | 96.0           | 0.771    | 1.227                  | 1.042                       | 0.986             | 0.215    | 0.275             |      |
| 5610                                                     | 122 | 802.11ac | OFDM    | 80              | 15.50                       | 14.69                 | 0.02             | 0 mm                                            | 5 GHz ANTupper  | V2      | DLX2V011PQLD         | 29.3             | left   | 96.0           | 0.006    | 1.205                  | 1.042                       | 0.008             | 0.002    | 0.003             |      |
| 5530                                                     | 106 | 802.11ac | OFDM    | 80              | 10.50                       | 9.59                  | 0.03             | 0 mm                                            | 5 GHz ANTupper  | V2      | DLX2V011PQLD         | 29.3             | right  | 96.0           | 0.226    | 1.233                  | 1.042                       | 0.290             | 0.067    | 0.086             |      |
| 5775                                                     | 155 | 802.11ac | OFDM    | 80              | 15.75                       | 15.20                 | -0.02            | 0 mm                                            | 5 GHz ANTupper  | V1      | DLX2N00LP57T         | 29.3             | back   | 96.0           | 0.086    | 1.135                  | 1.042                       | 0.102             | 0.008    | 0.043             |      |
| 5775                                                     | 155 | 802.11ac | OFDM    | 80              | 15.75                       | 15.20                 | 0.05             | 0 mm                                            | 5 GHz ANTupper  | V1      | DLX2N00LP57T         | 29.3             | top    | 96.0           | 0.003    | 1.135                  | 1.042                       | 0.004             | 0.001    | 0.001             |      |
| 5775                                                     | 155 | 802.11ac | OFDM    | 80              | 15.75                       | 15.20                 | 0.18             | 0 mm                                            | 5 GHz ANTupper  | V1      | DLX2N00LP57T         | 29.3             | bottom | 96.0           | 0.002    | 1.135                  | 1.042                       | 0.002             | 0.001    | 0.001             |      |
| 5775                                                     | 155 | 802.11ac | OFDM    | 80              | 15.75                       | 15.20                 | -0.12            | 0 mm                                            | 5 GHz ANTupper  | V1      | DLX2N00LP57T         | 29.3             | right  | 96.0           | 1.000    | 1.135                  | 1.042                       | 1.183             | 0.294    | 0.348             | A21  |
| 5775                                                     | 155 | 802.11ac | OFDM    | 80              | 15.75                       | 14.76                 | 0.05             | 0 mm                                            | 5 GHz ANTupper  | V2      | DLX2R018P57R         | 29.3             | right  | 96.0           | 0.772    | 1.256                  | 1.042                       | 1.010             | 0.232    | 0.304             |      |
| 5775                                                     | 155 | 802.11ac | OFDM    | 80              | 15.75                       | 15.20                 | 0.13             | 0 mm                                            | 5 GHz ANTupper  | V1      | DLX2N00LP57T         | 29.3             | left   | 96.0           | 0.014    | 1.135                  | 1.042                       | 0.017             | 0.008    | 0.009             |      |
| 5775                                                     | 155 | 802.11ac | OFDM    | 80              | 10.75                       | 9.93                  | 0.02             | 0 mm                                            | 5 GHz ANTupper  | V1      | DLX2N00LP57T         | 29.3             | right  | 96.0           | 0.263    | 1.208                  | 1.042                       | 0.331             | 0.084    | 0.106             |      |
| 5610                                                     | 122 | 802.11ac | OFDM    | 80              | 15.50                       | 14.69                 | -0.18            | 0 mm                                            | 5 GHz ANTupper  | V2      | DLX2V011PQLD         | 29.3             | right  | 96.0           | 0.740    | 1.205                  | 1.042                       | 0.929             | 0.222    | 0.279             |      |
| 5775                                                     | 155 | 802.11ac | OFDM    | 80              | 15.75                       | 15.20                 | 0.00             | 0 mm                                            | 5 GHz ANTupper  | V1      | DLX2N00LP57T         | 29.3             | right  | 96.0           | 0.870    | 1.135                  | 1.042                       | 1.029             | 0.250    | 0.296             |      |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT                    |     |          |         |                 |                             |                       |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |         |                      |                  |        |                |          |                        |                             |                   |          |                   |      |
| Spatial Peak<br>Uncontrolled Exposure/General Population |     |          |         |                 |                             |                       |                  |                                                 |                 |         |                      |                  |        |                |          |                        |                             |                   |          |                   |      |

Note: Blue entry represents variability measurement.

|                  |  |
|------------------|--|
| FCC ID: BCGA2069 |  |
|------------------|--|

**Table 10-65**  
**Bluetooth Ant 2a Body SAR**

| MEASUREMENT RESULTS                                                                               |     |           |         |                             |                       |                |         |                 |         |                                                 |                  |        |                |                 |                             |                             |                          |                  |                          |      |
|---------------------------------------------------------------------------------------------------|-----|-----------|---------|-----------------------------|-----------------------|----------------|---------|-----------------|---------|-------------------------------------------------|------------------|--------|----------------|-----------------|-----------------------------|-----------------------------|--------------------------|------------------|--------------------------|------|
| FREQUENCY                                                                                         |     | Mode      | Service | Maximum Allowed Power (dBm) | Conducted Power (dBm) | Power DBr (dB) | Spacing | Antenna Config. | Variant | Device Serial Number                            | Data Rate (Mbps) | Side   | Duty Cycle (%) | SAR (Sg) (W/kg) | Scaling Factor (Cond Power) | Scaling Factor (Duty Cycle) | Reported SAR (Sg) (W/kg) | SAR (avg) (W/kg) | Reported SAR (Sg) (W/kg) | Plot |
| MHz                                                                                               | Ch. |           |         |                             |                       |                |         |                 |         |                                                 |                  |        |                |                 |                             |                             |                          |                  |                          |      |
| 2402                                                                                              | 0   | Bluetooth | FHSS    | 14.5                        | 14.24                 | 0.01           | 0 mm    | Ant 2a          | V2      | DLX2V011PQLD                                    | 1                | back   | 76.8           | 0.869           | 1.062                       | 1.009                       | 0.923                    | 0.384            | 0.408                    |      |
| 2441                                                                                              | 39  | Bluetooth | FHSS    | 14.5                        | 14.19                 | 0.02           | 0 mm    | Ant 2a          | V2      | DLX2V011PQLD                                    | 1                | back   | 76.8           | 0.843           | 1.074                       | 1.009                       | 0.905                    | 0.358            | 0.384                    |      |
| 2480                                                                                              | 78  | Bluetooth | FHSS    | 14.5                        | 14.05                 | 0.02           | 0 mm    | Ant 2a          | V2      | DLX2V011PQLD                                    | 1                | back   | 76.8           | 0.906           | 1.109                       | 1.009                       | 1.005                    | 0.382            | 0.424                    | A22  |
| 2480                                                                                              | 78  | Bluetooth | FHSS    | 14.5                        | 14.25                 | 0.01           | 0 mm    | Ant 2a          | V1      | DLX2N00LP57T                                    | 1                | back   | 76.8           | 0.778           | 1.059                       | 1.009                       | 0.824                    | 0.337            | 0.357                    |      |
| 2402                                                                                              | 0   | Bluetooth | FHSS    | 14.5                        | 14.24                 | 0.03           | 0 mm    | Ant 2a          | V2      | DLX2V011PQLD                                    | 1                | top    | 76.8           | 0.018           | 1.062                       | 1.009                       | 0.019                    | 0.009            | 0.010                    |      |
| 2402                                                                                              | 0   | Bluetooth | FHSS    | 14.5                        | 14.24                 | 0.02           | 0 mm    | Ant 2a          | V2      | DLX2V011PQLD                                    | 1                | bottom | 76.8           | 0.449           | 1.062                       | 1.009                       | 0.477                    | 0.141            | 0.150                    |      |
| 2402                                                                                              | 0   | Bluetooth | FHSS    | 14.5                        | 14.24                 | 0.12           | 0 mm    | Ant 2a          | V2      | DLX2V011PQLD                                    | 1                | right  | 76.8           | 0.553           | 1.062                       | 1.009                       | 0.587                    | 0.197            | 0.209                    |      |
| 2402                                                                                              | 0   | Bluetooth | FHSS    | 14.5                        | 14.24                 | 0.09           | 0 mm    | Ant 2a          | V2      | DLX2V011PQLD                                    | 1                | left   | 76.8           | 0.004           | 1.062                       | 1.009                       | 0.004                    | 0.002            | 0.002                    |      |
| 2441                                                                                              | 39  | Bluetooth | FHSS    | 11.5                        | 11.32                 | 0.01           | 0 mm    | Ant 2a          | V2      | DLX2V011PQLD                                    | 1                | back   | 76.8           | 0.469           | 1.042                       | 1.009                       | 0.489                    | 0.197            | 0.205                    |      |
| 2441                                                                                              | 39  | Bluetooth | FHSS    | 11.5                        | 11.32                 | -0.09          | 0 mm    | Ant 2a          | V2      | DLX2V011PQLD                                    | 1                | bottom | 76.8           | 0.290           | 1.042                       | 1.009                       | 0.271                    | 0.076            | 0.079                    |      |
| 2441                                                                                              | 39  | Bluetooth | FHSS    | 11.5                        | 11.32                 | 0.01           | 0 mm    | Ant 2a          | V2      | DLX2V011PQLD                                    | 1                | right  | 76.8           | 0.254           | 1.042                       | 1.009                       | 0.265                    | 0.087            | 0.091                    |      |
| 2402                                                                                              | 0   | Bluetooth | FHSS    | 7.5                         | 7.25                  | -0.01          | 0 mm    | Ant 2a          | V2      | DLX2V011PQLD                                    | 1                | back   | 76.8           | 0.171           | 1.059                       | 1.009                       | 0.181                    | 0.074            | 0.078                    |      |
| 2402                                                                                              | 0   | Bluetooth | FHSS    | 7.5                         | 7.25                  | -0.02          | 0 mm    | Ant 2a          | V2      | DLX2V011PQLD                                    | 1                | bottom | 76.8           | 0.085           | 1.059                       | 1.009                       | 0.090                    | 0.027            | 0.029                    |      |
| 2402                                                                                              | 0   | Bluetooth | FHSS    | 7.5                         | 7.25                  | 0.14           | 0 mm    | Ant 2a          | V2      | DLX2V011PQLD                                    | 1                | right  | 76.8           | 0.098           | 1.059                       | 1.009                       | 0.104                    | 0.035            | 0.037                    |      |
| 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: 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.

**Table 10-66**  
**Bluetooth Ant 4a 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 (W/kg) | Scaling Factor (Cond Power) | Scaling Factor (Duty Cycle) | Reported SAR (W/kg) | SAR (10g) (W/kg) | Reported SAR (10g) (W/kg) | Plot |
| MHz                                      | Ch. |           |         |                             |                       |                  |         |                 |         |                      |                  |        |                |            |                             |                             |                     |                  |                           |      |
| 2402                                     | 0   | Bluetooth | FHSS    | 15.0                        | 14.57                 | 0.01             | 0 mm    | Ant 4a          | V1      | DLX2N00LP57T         | 1                | back   | 76.9           | 0.770      | 1.104                       | 1.008                       | 0.850               | 0.339            | 0.374                     |      |
| 2441                                     | 39  | Bluetooth | FHSS    | 15.0                        | 13.85                 | 0.07             | 0 mm    | Ant 4a          | V1      | DLX2N00LP57T         | 1                | back   | 76.9           | 0.834      | 1.303                       | 1.008                       | 1.087               | 0.360            | 0.469                     |      |
| 2441                                     | 39  | Bluetooth | FHSS    | 15.0                        | 14.70                 | 0.09             | 0 mm    | Ant 4a          | V2      | DLX2V011PQLD         | 1                | back   | 77.1           | 0.833      | 1.072                       | 1.005                       | 0.893               | 0.354            | 0.379                     |      |
| 2480                                     | 78  | Bluetooth | FHSS    | 15.0                        | 14.77                 | -0.08            | 0 mm    | Ant 4a          | V1      | DLX2N00LP57T         | 1                | back   | 76.9           | 0.883      | 1.054                       | 1.008                       | 0.931               | 0.376            | 0.396                     |      |
| 2480                                     | 78  | Bluetooth | FHSS    | 15.0                        | 14.77                 | 0.05             | 0 mm    | Ant 4a          | V1      | DLX2N00LP57T         | 1                | top    | 76.9           | 0.432      | 1.054                       | 1.008                       | 0.455               | 0.132            | 0.139                     |      |
| 2480                                     | 78  | Bluetooth | FHSS    | 15.0                        | 14.77                 | 0.07             | 0 mm    | Ant 4a          | V1      | DLX2N00LP57T         | 1                | bottom | 76.9           | 0.024      | 1.054                       | 1.008                       | 0.025               | 0.011            | 0.012                     |      |
| 2480                                     | 78  | Bluetooth | FHSS    | 15.0                        | 14.77                 | 0.05             | 0 mm    | Ant 4a          | V1      | DLX2N00LP57T         | 1                | right  | 76.9           | 0.002      | 1.054                       | 1.008                       | 0.002               | 0.001            | 0.001                     |      |
| 2480                                     | 78  | Bluetooth | FHSS    | 15.0                        | 14.77                 | 0.00             | 0 mm    | Ant 4a          | V1      | DLX2N00LP57T         | 1                | left   | 76.9           | 0.568      | 1.054                       | 1.008                       | 0.599               | 0.196            | 0.207                     |      |
| 2480                                     | 78  | Bluetooth | FHSS    | 8.0                         | 7.96                  | 0.03             | 0 mm    | Ant 4a          | V1      | DLX2N00LP57T         | 1                | back   | 76.9           | 0.227      | 1.009                       | 1.008                       | 0.229               | 0.093            | 0.094                     |      |
| 2480                                     | 78  | Bluetooth | FHSS    | 8.0                         | 7.96                  | 0.04             | 0 mm    | Ant 4a          | V1      | DLX2N00LP57T         | 1                | top    | 76.9           | 0.105      | 1.009                       | 1.008                       | 0.106               | 0.031            | 0.031                     |      |
| 2480                                     | 78  | Bluetooth | FHSS    | 8.0                         | 7.96                  | 0.07             | 0 mm    | Ant 4a          | V1      | DLX2N00LP57T         | 1                | left   | 76.9           | 0.131      | 1.009                       | 1.008                       | 0.132               | 0.045            | 0.045                     |      |
| 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.

## 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 ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |                 | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 261 of 297 |                                        |

- 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.

#### UMTS Notes:

- 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.
- 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:

- 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.
- 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.
- 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).
- Per FCC KDB Publication 447498 D01v06, when the reported LTE Band 41 and 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.
- 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.
- 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.
- 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.

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device | Page 262 of 297                 |

8. For intra-band ULCA 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.

#### 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          | 1.001                              | 1.182                          | 1.152                          | 1.182*              | 1.152* | 1.182* |
|           | Top           | 0.052                              | 0.026                          | 0.538                          | 0.078               | 0.590  | 0.616  |
|           | Bottom        | 0.771                              | 0.597                          | 0.022                          | 1.368               | 0.793  | 1.390  |
|           | Right         | 0.015                              | 0.640                          | 0.000                          | 0.655               | 0.015  | 0.655  |
|           | Left          | 1.189                              | 0.000                          | 0.798                          | 1.189               | 1.189* | 1.189* |

**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          | 1.187                               | 0.276                                          | 1.152                          | 1.463               | 1.187* | 1.463* |
|           | Top           | 0.028                               | 0.026                                          | 0.538                          | 0.054               | 0.566  | 0.592  |
|           | Bottom        | 0.533                               | 0.128                                          | 0.022                          | 0.661               | 0.555  | 0.683  |
|           | Right         | 1.041                               | 0.163                                          | 0.000                          | 1.204               | 1.041  | 1.204  |
|           | Left          | 0.006                               | 0.000                                          | 0.798                          | 0.006               | 0.804  | 0.804  |

|                                         |                                                                                                                  |                            |                                 |
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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          | 1.168                               | 0.276                                          | 1.152                          | <b>1.444</b>        | 1.168* | 1.444* |
|           | Top           | 0.006                               | 0.026                                          | 0.538                          | 0.032               | 0.544  | 0.570  |
|           | Bottom        | 0.713                               | 0.128                                          | 0.022                          | 0.841               | 0.735  | 0.863  |
|           | Right         | 0.073                               | 0.163                                          | 0.000                          | 0.236               | 0.073  | 0.236  |
|           | Left          | 0.028                               | 0.000                                          | 0.798                          | 0.028               | 0.826  | 0.826  |

**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          | 1.188                              | 1.182                          | 1.152                          | 1.188*              | 1.188* | 1.188*       |
|           | Top           | 0.937                              | 0.026                          | 0.538                          | 0.963               | 1.475  | <b>1.501</b> |
|           | Bottom        | 0.043                              | 0.597                          | 0.022                          | 0.640               | 0.065  | 0.662        |
|           | Right         | 1.189                              | 0.640                          | 0.000                          | 1.189*              | 1.189  | 1.189*       |
|           | Left          | 0.011                              | 0.000                          | 0.798                          | 0.011               | 0.809  | 0.809        |

**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          | 1.189                               | 1.182                          | 0.224                                             | 1.189*              | <b>1.413</b> | 1.413* |
|           | Top           | 0.465                               | 0.026                          | 0.105                                             | 0.491               | 0.570        | 0.596  |
|           | Bottom        | 0.023                               | 0.597                          | 0.022                                             | 0.620               | 0.045        | 0.642  |
|           | Right         | 0.003                               | 0.640                          | 0.000                                             | 0.643               | 0.003        | 0.643  |
|           | Left          | 1.021                               | 0.000                          | 0.136                                             | 1.021               | 1.157        | 1.157  |

**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          | 1.187                               | 1.182                          | 0.224                                             | 1.187*              | <b>1.411</b> | 1.411* |
|           | Top           | 0.682                               | 0.026                          | 0.105                                             | 0.708               | 0.787        | 0.813  |
|           | Bottom        | 0.005                               | 0.597                          | 0.022                                             | 0.602               | 0.027        | 0.624  |
|           | Right         | 0.028                               | 0.640                          | 0.000                                             | 0.668               | 0.028        | 0.668  |
|           | Left          | 0.049                               | 0.000                          | 0.136                                             | 0.049               | 0.185        | 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) | 5 GHz WLAN Ant 5 GHz ANTlower SAR (W/kg) | 5 GHz WLAN Ant 5 GHz ANTupper SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |              |
|-----------|---------------|------------------------------------|------------------------------------------|------------------------------------------|---------------------|-------|--------------|
|           |               | 1                                  | 2                                        | 3                                        | 1+2                 | 1+3   | 1+2+3        |
| Body SAR  | Back          | 1.001                              | 0.130                                    | 0.102                                    | 1.131               | 1.103 | <b>1.233</b> |
|           | Top           | 0.052                              | 0.006                                    | 0.004                                    | 0.058               | 0.056 | 0.062        |
|           | Bottom        | 0.771                              | 0.009                                    | 0.005                                    | 0.780               | 0.776 | 0.785        |
|           | Right         | 0.015                              | 1.078                                    | 1.183                                    | 1.093               | 1.198 | 1.198*       |
|           | Left          | 1.189                              | 0.010                                    | 0.017                                    | 1.199               | 1.206 | 1.216        |

|                                                |                                                                                                   |                                   |  |                                        |
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**Table 11-8**  
**Cellular Band Ant 2a Simultaneous Transmission Scenario with 5 GHz WLAN**

| Simult Tx | Configuration | Cellular Band Antenna 2a SAR (W/kg) | 5 GHz WLAN Ant 5 GHz ANTlower Reduced SAR (W/kg) | 5 GHz WLAN Ant 5 GHz ANTupper SAR (W/kg) | $\Sigma$ SAR (W/kg) |        |              |
|-----------|---------------|-------------------------------------|--------------------------------------------------|------------------------------------------|---------------------|--------|--------------|
|           |               | 1                                   | 2                                                | 3                                        | 1+2                 | 1+3    | 1+2+3        |
| Body SAR  | Back          | 1.187                               | 0.090                                            | 0.102                                    | 1.277               | 1.289  | <b>1.379</b> |
|           | Top           | 0.028                               | 0.006                                            | 0.004                                    | 0.034               | 0.032  | 0.038        |
|           | Bottom        | 0.533                               | 0.009                                            | 0.005                                    | 0.542               | 0.538  | 0.547        |
|           | Right         | 1.041                               | 0.352                                            | 1.183                                    | 1.393               | 1.183* | 1.393*       |
|           | Left          | 0.006                               | 0.010                                            | 0.017                                    | 0.016               | 0.023  | 0.033        |

**Table 11-9**  
**Cellular Band Ant 2b Simultaneous Transmission Scenario with 5 GHz WLAN**

| Simult Tx | Configuration | Cellular Band Antenna 2b SAR (W/kg) | 5 GHz WLAN Ant 5 GHz ANTlower SAR (W/kg) | 5 GHz WLAN Ant 5 GHz ANTupper SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |              |
|-----------|---------------|-------------------------------------|------------------------------------------|------------------------------------------|---------------------|-------|--------------|
|           |               | 1                                   | 2                                        | 3                                        | 1+2                 | 1+3   | 1+2+3        |
| Body SAR  | Back          | 1.168                               | 0.130                                    | 0.102                                    | 1.298               | 1.270 | <b>1.400</b> |
|           | Top           | 0.006                               | 0.006                                    | 0.004                                    | 0.012               | 0.010 | 0.016        |
|           | Bottom        | 0.713                               | 0.009                                    | 0.005                                    | 0.722               | 0.718 | 0.727        |
|           | Right         | 0.073                               | 1.078                                    | 1.183                                    | 1.151               | 1.256 | 1.256*       |
|           | Left          | 0.028                               | 0.010                                    | 0.017                                    | 0.038               | 0.045 | 0.055        |

**Table 11-10**  
**Cellular Band Ant 3 Simultaneous Transmission Scenario with 5 GHz WLAN**

| Simult Tx | Configuration | Cellular Band Antenna 3 SAR (W/kg) | 5 GHz WLAN Ant 5 GHz ANTlower SAR (W/kg) | 5 GHz WLAN Ant 5 GHz ANTupper Reduced SAR (W/kg) | $\Sigma$ SAR (W/kg) |              |        |
|-----------|---------------|------------------------------------|------------------------------------------|--------------------------------------------------|---------------------|--------------|--------|
|           |               | 1                                  | 2                                        | 3                                                | 1+2                 | 1+3          | 1+2+3  |
| Body SAR  | Back          | 1.188                              | 0.130                                    | 0.102                                            | 1.318               | 1.290        | 1.420  |
|           | Top           | 0.937                              | 0.006                                    | 0.004                                            | 0.943               | 0.941        | 0.947  |
|           | Bottom        | 0.043                              | 0.009                                    | 0.005                                            | 0.052               | 0.048        | 0.057  |
|           | Right         | 1.189                              | 1.078                                    | 0.331                                            | 1.189*              | <b>1.520</b> | 1.520* |
|           | Left          | 0.011                              | 0.010                                    | 0.017                                            | 0.021               | 0.028        | 0.038  |

**Table 11-11**  
**Cellular Band Ant 4a Simultaneous Transmission Scenario with 5 GHz WLAN**

| Simult Tx | Configuration | Cellular Band Antenna 4a SAR (W/kg) | 5 GHz WLAN Ant 5 GHz ANTlower SAR (W/kg) | 5 GHz WLAN Ant 5 GHz ANTupper SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |              |
|-----------|---------------|-------------------------------------|------------------------------------------|------------------------------------------|---------------------|-------|--------------|
|           |               | 1                                   | 2                                        | 3                                        | 1+2                 | 1+3   | 1+2+3        |
| Body SAR  | Back          | 1.189                               | 0.130                                    | 0.102                                    | 1.319               | 1.291 | <b>1.421</b> |
|           | Top           | 0.465                               | 0.006                                    | 0.004                                    | 0.471               | 0.469 | 0.475        |
|           | Bottom        | 0.023                               | 0.009                                    | 0.005                                    | 0.032               | 0.028 | 0.037        |
|           | Right         | 0.003                               | 1.078                                    | 1.183                                    | 1.081               | 1.186 | 1.186*       |
|           | Left          | 1.021                               | 0.010                                    | 0.017                                    | 1.031               | 1.038 | 1.048        |

**Table 11-12**  
**Cellular Band Ant 4b Simultaneous Transmission Scenario with 5 GHz WLAN**

| Simult Tx | Configuration | Cellular Band Antenna 4b SAR (W/kg) | 5 GHz WLAN Ant 5 GHz ANTlower SAR (W/kg) | 5 GHz WLAN Ant 5 GHz ANTupper SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |              |
|-----------|---------------|-------------------------------------|------------------------------------------|------------------------------------------|---------------------|-------|--------------|
|           |               | 1                                   | 2                                        | 3                                        | 1+2                 | 1+3   | 1+2+3        |
| Body SAR  | Back          | 1.187                               | 0.130                                    | 0.102                                    | 1.317               | 1.289 | <b>1.419</b> |
|           | Top           | 0.682                               | 0.006                                    | 0.004                                    | 0.688               | 0.686 | 0.692        |
|           | Bottom        | 0.005                               | 0.009                                    | 0.005                                    | 0.014               | 0.010 | 0.019        |
|           | Right         | 0.028                               | 1.078                                    | 1.183                                    | 1.106               | 1.211 | 1.211*       |
|           | Left          | 0.049                               | 0.010                                    | 0.017                                    | 0.059               | 0.066 | 0.076        |

|                                                |                                                                                                   |                                   |                              |                                        |
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**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          | 1.001                              | 0.181                                  | 1.087                       | 1.182               | 1.087* | 1.087* |
|           | Top           | 0.052                              | 0.019                                  | 0.455                       | 0.071               | 0.507  | 0.526  |
|           | Bottom        | 0.771                              | 0.090                                  | 0.025                       | 0.861               | 0.796  | 0.886  |
|           | Right         | 0.015                              | 0.104                                  | 0.002                       | 0.119               | 0.017  | 0.121  |
|           | Left          | 1.189                              | 0.004                                  | 0.599                       | 1.193               | 1.189* | 1.193* |

**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          | 1.187                               | 0.181                                  | 1.087                       | 1.368               | 1.187* | 1.368* |
|           | Top           | 0.028                               | 0.019                                  | 0.455                       | 0.047               | 0.483  | 0.502  |
|           | Bottom        | 0.533                               | 0.090                                  | 0.025                       | 0.623               | 0.558  | 0.648  |
|           | Right         | 1.041                               | 0.104                                  | 0.002                       | 1.145               | 1.043  | 1.147  |
|           | Left          | 0.006                               | 0.004                                  | 0.599                       | 0.010               | 0.605  | 0.609  |

**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          | 1.168                               | 0.181                                  | 1.087                       | 1.349               | 1.168* | 1.349* |
|           | Top           | 0.006                               | 0.019                                  | 0.455                       | 0.025               | 0.461  | 0.480  |
|           | Bottom        | 0.713                               | 0.090                                  | 0.025                       | 0.803               | 0.738  | 0.828  |
|           | Right         | 0.073                               | 0.104                                  | 0.002                       | 0.177               | 0.075  | 0.179  |
|           | Left          | 0.028                               | 0.004                                  | 0.599                       | 0.032               | 0.627  | 0.631  |

**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          | 1.188                              | 1.005                       | 0.229                                | 1.188*              | 1.417 | 1.188* |
|           | Top           | 0.937                              | 0.019                       | 0.106                                | 0.956               | 1.043 | 1.062  |
|           | Bottom        | 0.043                              | 0.477                       | 0.025                                | 0.520               | 0.068 | 0.545  |
|           | Right         | 1.189                              | 0.587                       | 0.002                                | 1.189*              | 1.191 | 1.191* |
|           | Left          | 0.011                              | 0.004                       | 0.132                                | 0.015               | 0.143 | 0.147  |

**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          | 1.189                               | 1.005                       | 0.229                                | 1.189*              | 1.418 | 1.418* |
|           | Top           | 0.465                               | 0.019                       | 0.106                                | 0.484               | 0.571 | 0.590  |
|           | Bottom        | 0.023                               | 0.477                       | 0.025                                | 0.500               | 0.048 | 0.525  |
|           | Right         | 0.003                               | 0.587                       | 0.002                                | 0.590               | 0.005 | 0.592  |
|           | Left          | 1.021                               | 0.004                       | 0.132                                | 1.025               | 1.153 | 1.157  |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
| FCC ID: BCGA2069                               |  <b>PCTEST</b> | <b>SAR EVALUATION REPORT</b>      |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device |  | Page 267 of 297                        |

**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) | Σ SAR (W/kg) |              |        |
|-----------|---------------|-------------------------------------|-----------------------------|--------------------------------------|--------------|--------------|--------|
|           |               | 1                                   | 2                           | 3                                    | 1+2          | 1+3          | 1+2+3  |
| Body SAR  | Back          | 1.187                               | 1.005                       | 0.229                                | 1.187*       | <b>1.416</b> | 1.416* |
|           | Top           | 0.682                               | 0.019                       | 0.106                                | 0.701        | 0.788        | 0.807  |
|           | Bottom        | 0.005                               | 0.477                       | 0.025                                | 0.482        | 0.030        | 0.507  |
|           | Right         | 0.028                               | 0.587                       | 0.002                                | 0.615        | 0.030        | 0.617  |
|           | Left          | 0.049                               | 0.004                       | 0.132                                | 0.053        | 0.181        | 0.185  |

**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) | 5 GHz WLAN Ant 5 GHz ANTlower SAR (W/kg) | 5 GHz WLAN Ant 5 GHz ANTupper SAR (W/kg) | Σ SAR (W/kg) |
|-----------|---------------|------------------------------------|----------------------------------------|-----------------------------|------------------------------------------|------------------------------------------|--------------|
|           |               | 1                                  | 2                                      | 3                           | 4                                        | 5                                        | 1+2+3+4+5    |
| Body SAR  | Back          | 1.001                              | 0.181                                  | 1.087                       | 0.130                                    | 0.102                                    | 1.233*       |
|           | Top           | 0.052                              | 0.019                                  | 0.455                       | 0.006                                    | 0.004                                    | 0.536        |
|           | Bottom        | 0.771                              | 0.090                                  | 0.025                       | 0.009                                    | 0.005                                    | <b>0.900</b> |
|           | Right         | 0.015                              | 0.104                                  | 0.002                       | 1.078                                    | 1.183                                    | 1.200*       |
|           | Left          | 1.189                              | 0.004                                  | 0.599                       | 0.010                                    | 0.017                                    | 1.220*       |

**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) | 5 GHz WLAN Ant 5 GHz ANTlower Reduced SAR (W/kg) | 5 GHz WLAN Ant 5 GHz ANTupper SAR (W/kg) | Σ SAR (W/kg) |
|-----------|---------------|-------------------------------------|----------------------------------------|-----------------------------|--------------------------------------------------|------------------------------------------|--------------|
|           |               | 1                                   | 2                                      | 3                           | 4                                                | 5                                        | 1+2+3+4+5    |
| Body SAR  | Back          | 1.187                               | 0.181                                  | 1.087                       | 0.090                                            | 0.102                                    | 1.560*       |
|           | Top           | 0.028                               | 0.019                                  | 0.455                       | 0.006                                            | 0.004                                    | 0.512        |
|           | Bottom        | 0.533                               | 0.090                                  | 0.025                       | 0.009                                            | 0.005                                    | <b>0.662</b> |
|           | Right         | 1.041                               | 0.104                                  | 0.002                       | 0.352                                            | 1.183                                    | 1.499*       |
|           | Left          | 0.006                               | 0.004                                  | 0.599                       | 0.010                                            | 0.017                                    | 0.636        |

**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) | 5 GHz WLAN Ant 5 GHz ANTlower SAR (W/kg) | 5 GHz WLAN Ant 5 GHz ANTupper SAR (W/kg) | Σ SAR (W/kg) |
|-----------|---------------|-------------------------------------|----------------------------------------|-----------------------------|------------------------------------------|------------------------------------------|--------------|
|           |               | 1                                   | 2                                      | 3                           | 4                                        | 5                                        | 1+2+3+4+5    |
| Body SAR  | Back          | 1.168                               | 0.181                                  | 1.087                       | 0.130                                    | 0.102                                    | 1.581*       |
|           | Top           | 0.006                               | 0.019                                  | 0.455                       | 0.006                                    | 0.004                                    | 0.490        |
|           | Bottom        | 0.713                               | 0.090                                  | 0.025                       | 0.009                                    | 0.005                                    | <b>0.842</b> |
|           | Right         | 0.073                               | 0.104                                  | 0.002                       | 1.078                                    | 1.183                                    | 1.258*       |
|           | Left          | 0.028                               | 0.004                                  | 0.599                       | 0.010                                    | 0.017                                    | 0.658        |

**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) | 5 GHz WLAN Ant 5 GHz ANTlower SAR (W/kg) | 5 GHz WLAN Ant 5 GHz ANTupper Reduced SAR (W/kg) | Σ SAR (W/kg) |
|-----------|---------------|------------------------------------|-----------------------------------------|--------------------------------------|------------------------------------------|--------------------------------------------------|--------------|
|           |               | 1                                  | 2                                       | 3                                    | 4                                        | 5                                                | 1+2+3+4+5    |
| Body SAR  | Back          | 1.188                              | 0.489                                   | 0.229                                | 0.130                                    | 0.102                                            | 1.420*       |
|           | Top           | 0.937                              | 0.019                                   | 0.106                                | 0.006                                    | 0.004                                            | <b>1.072</b> |
|           | Bottom        | 0.043                              | 0.271                                   | 0.025                                | 0.009                                    | 0.005                                            | 0.353        |
|           | Right         | 1.189                              | 0.265                                   | 0.002                                | 1.078                                    | 0.331                                            | 1.522*       |
|           | Left          | 0.011                              | 0.004                                   | 0.132                                | 0.010                                    | 0.017                                            | 0.174        |

|                                         |                                                                                                                  |                            |  |                                 |
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| Document S/N:<br>1C1912170054-01-R1.BCG | Test Dates:<br>12/18/2019 – 01/28/2020                                                                           | DUT Type:<br>Tablet Device |  | Page 268 of 297                 |

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) | 5 GHz WLAN Ant 5 GHz ANTlower SAR (W/kg) | 5 GHz WLAN Ant 5 GHz ANTupper SAR (W/kg) | Σ SAR (W/kg) |
|-----------|---------------|-------------------------------------|-----------------------------------------|--------------------------------------|------------------------------------------|------------------------------------------|--------------|
|           |               | 1                                   | 2                                       | 3                                    | 4                                        | 5                                        | 1+2+3+4+5    |
| Body SAR  | Back          | 1.189                               | 0.489                                   | 0.229                                | 0.130                                    | 0.102                                    | 1.520*       |
|           | Top           | 0.465                               | 0.019                                   | 0.106                                | 0.006                                    | 0.004                                    | 0.600        |
|           | Bottom        | 0.023                               | 0.271                                   | 0.025                                | 0.009                                    | 0.005                                    | 0.333        |
|           | Right         | 0.003                               | 0.265                                   | 0.002                                | 1.078                                    | 1.183                                    | 1.348*       |
|           | Left          | 1.021                               | 0.004                                   | 0.132                                | 0.010                                    | 0.017                                    | 1.184        |

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) | 5 GHz WLAN Ant 5 GHz ANTlower SAR (W/kg) | 5 GHz WLAN Ant 5 GHz ANTupper SAR (W/kg) | Σ SAR (W/kg) |
|-----------|---------------|-------------------------------------|-----------------------------------------|--------------------------------------|------------------------------------------|------------------------------------------|--------------|
|           |               | 1                                   | 2                                       | 3                                    | 4                                        | 5                                        | 1+2+3+4+5    |
| Body SAR  | Back          | 1.187                               | 0.489                                   | 0.229                                | 0.130                                    | 0.102                                    | 1.518*       |
|           | Top           | 0.682                               | 0.019                                   | 0.106                                | 0.006                                    | 0.004                                    | 0.817        |
|           | Bottom        | 0.005                               | 0.271                                   | 0.025                                | 0.009                                    | 0.005                                    | 0.315        |
|           | Right         | 0.028                               | 0.265                                   | 0.002                                | 1.078                                    | 1.183                                    | 1.373*       |
|           | Left          | 0.049                               | 0.004                                   | 0.132                                | 0.010                                    | 0.017                                    | 0.212        |

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 Inter-band ULCA Active SAR (W/kg) | Cellular Band Antenna 2a 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) | Σ SAR (W/kg) |       |         |
|-----------|---------------|-----------------------------------------------------------|------------------------------------------------------------|------------------------------------------------|---------------------------------------------------|--------------|-------|---------|
|           |               | 1                                                         | 2                                                          | 3                                              | 4                                                 | 1+2+3        | 1+2+4 | 1+2+3+4 |
| Body SAR  | Back          | 0.720                                                     | 0.476                                                      | 0.276                                          | 0.224                                             | 1.472        | 1.420 | 0.752*  |
|           | Top           | 0.044                                                     | 0.028                                                      | 0.026                                          | 0.105                                             | 0.098        | 0.177 | 0.203   |
|           | Bottom        | 0.600                                                     | 0.533                                                      | 0.128                                          | 0.022                                             | 1.261        | 1.155 | 1.283   |
|           | Right         | 0.011                                                     | 0.784                                                      | 0.163                                          | 0.000                                             | 0.958        | 0.795 | 0.958   |
|           | Left          | 0.741                                                     | 0.006                                                      | 0.000                                          | 0.136                                             | 0.747        | 0.883 | 0.883   |

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 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) | Σ SAR (W/kg) |       |         |
|-----------|---------------|-----------------------------------------------------------|------------------------------------------------------------|------------------------------------------------|---------------------------------------------------|--------------|-------|---------|
|           |               | 1                                                         | 2                                                          | 3                                              | 4                                                 | 1+2+3        | 1+2+4 | 1+2+3+4 |
| Body SAR  | Back          | 0.720                                                     | 0.571                                                      | 0.276                                          | 0.224                                             | 1.567        | 1.515 | 0.795*  |
|           | Top           | 0.044                                                     | 0.465                                                      | 0.026                                          | 0.105                                             | 0.535        | 0.614 | 0.640   |
|           | Bottom        | 0.600                                                     | 0.023                                                      | 0.128                                          | 0.022                                             | 0.751        | 0.645 | 0.773   |
|           | Right         | 0.011                                                     | 0.003                                                      | 0.163                                          | 0.000                                             | 0.177        | 0.014 | 0.177   |
|           | Left          | 0.741                                                     | 0.492                                                      | 0.000                                          | 0.136                                             | 1.233        | 1.369 | 1.369   |

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 Inter-band ULCA Active SAR (W/kg) | Cellular Band Antenna 4b 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) | Σ SAR (W/kg) |       |         |
|-----------|---------------|-----------------------------------------------------------|------------------------------------------------------------|------------------------------------------------|---------------------------------------------------|--------------|-------|---------|
|           |               | 1                                                         | 2                                                          | 3                                              | 4                                                 | 1+2+3        | 1+2+4 | 1+2+3+4 |
| Body SAR  | Back          | 0.720                                                     | 0.609                                                      | 0.276                                          | 0.224                                             | 0.720*       | 1.553 | 0.833*  |
|           | Top           | 0.044                                                     | 0.682                                                      | 0.026                                          | 0.105                                             | 0.752        | 0.831 | 0.857   |
|           | Bottom        | 0.600                                                     | 0.005                                                      | 0.128                                          | 0.022                                             | 0.733        | 0.627 | 0.755   |
|           | Right         | 0.011                                                     | 0.028                                                      | 0.163                                          | 0.000                                             | 0.202        | 0.039 | 0.202   |
|           | Left          | 0.741                                                     | 0.049                                                      | 0.000                                          | 0.136                                             | 0.790        | 0.926 | 0.926   |

|                                         |                                                                                                                  |                            |                                 |
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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          | 0.476                                                      | 0.515                                                     | 0.276                                          | 0.224                                             | 1.267               | 1.215        | 1.491   |
|           | Top           | 0.028                                                      | 0.738                                                     | 0.026                                          | 0.105                                             | 0.792               | 0.871        | 0.897   |
|           | Bottom        | 0.533                                                      | 0.040                                                     | 0.128                                          | 0.022                                             | 0.701               | 0.595        | 0.723   |
|           | Right         | 0.784                                                      | 0.798                                                     | 0.163                                          | 0.000                                             | 0.947*              | <b>1.582</b> | 0.947*  |
|           | Left          | 0.006                                                      | 0.006                                                     | 0.000                                          | 0.136                                             | 0.012               | 0.148        | 0.148   |

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          | 0.551                                                      | 0.515                                                     | 0.276                                          | 0.224                                             | 1.342               | 1.290 | <b>1.566</b> |
|           | Top           | 0.006                                                      | 0.738                                                     | 0.026                                          | 0.105                                             | 0.770               | 0.849 | 0.875        |
|           | Bottom        | 0.663                                                      | 0.040                                                     | 0.128                                          | 0.022                                             | 0.831               | 0.725 | 0.853        |
|           | Right         | 0.073                                                      | 0.798                                                     | 0.163                                          | 0.000                                             | 1.034               | 0.871 | 1.034        |
|           | Left          | 0.028                                                      | 0.006                                                     | 0.000                                          | 0.136                                             | 0.034               | 0.170 | 0.170        |

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          | 0.515                                                     | 0.571                                                      | 0.276                                          | 0.224                                             | 1.362               | 1.310 | <b>1.586</b> |
|           | Top           | 0.738                                                     | 0.465                                                      | 0.026                                          | 0.105                                             | 1.229               | 1.308 | 1.334        |
|           | Bottom        | 0.040                                                     | 0.023                                                      | 0.128                                          | 0.022                                             | 0.191               | 0.085 | 0.213        |
|           | Right         | 0.798                                                     | 0.003                                                      | 0.163                                          | 0.000                                             | 0.964               | 0.801 | 0.964        |
|           | Left          | 0.006                                                     | 0.492                                                      | 0.000                                          | 0.136                                             | 0.498               | 0.634 | 0.634        |

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) | 5 GHz WLAN Ant 5 GHz ANTLower Reduced SAR (W/kg) | 5 GHz WLAN Ant 5 GHz 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          | 0.720                                                     | 0.476                                                      | 0.090                                            | 0.102                                            | 1.286               | 1.298 | 1.388        |
|           | Top           | 0.044                                                     | 0.028                                                      | 0.006                                            | 0.004                                            | 0.078               | 0.076 | 0.082        |
|           | Bottom        | 0.600                                                     | 0.533                                                      | 0.009                                            | 0.005                                            | 1.142               | 1.138 | 1.147        |
|           | Right         | 0.011                                                     | 0.784                                                      | 0.352                                            | 0.331                                            | 1.147               | 1.126 | <b>1.478</b> |
|           | Left          | 0.741                                                     | 0.006                                                      | 0.010                                            | 0.017                                            | 0.757               | 0.764 | 0.774        |

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) | 5 GHz WLAN Ant 5 GHz ANTLower Reduced SAR (W/kg) | 5 GHz WLAN Ant 5 GHz 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          | 0.720                                                     | 0.571                                                      | 0.090                                            | 0.102                                            | 1.381               | 1.393 | <b>1.483</b> |
|           | Top           | 0.044                                                     | 0.465                                                      | 0.006                                            | 0.004                                            | 0.515               | 0.513 | 0.519        |
|           | Bottom        | 0.600                                                     | 0.023                                                      | 0.009                                            | 0.005                                            | 0.632               | 0.628 | 0.637        |
|           | Right         | 0.011                                                     | 0.003                                                      | 0.352                                            | 0.331                                            | 0.366               | 0.345 | 0.697        |
|           | Left          | 0.741                                                     | 0.492                                                      | 0.010                                            | 0.017                                            | 1.243               | 1.250 | 1.260        |

|                                         |                                                                                                                  |                            |                                 |
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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) | 5 GHz WLAN Ant 5 GHz<br>ANTower Reduced<br>SAR (W/kg) | 5 GHz WLAN Ant 5 GHz<br>ANTupper Reduced<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          | 0.720                                                           | 0.609                                                            | 0.090                                                 | 0.102                                                  | 1.419               | 1.431 | <b>1.521</b> |
|           | Top           | 0.044                                                           | 0.682                                                            | 0.006                                                 | 0.004                                                  | 0.732               | 0.730 | 0.736        |
|           | Bottom        | 0.600                                                           | 0.005                                                            | 0.009                                                 | 0.005                                                  | 0.614               | 0.610 | 0.619        |
|           | Right         | 0.011                                                           | 0.028                                                            | 0.352                                                 | 0.331                                                  | 0.391               | 0.370 | 0.722        |
|           | Left          | 0.741                                                           | 0.049                                                            | 0.010                                                 | 0.017                                                  | 0.800               | 0.807 | 0.817        |

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) | 5 GHz WLAN Ant 5 GHz<br>ANTower Reduced<br>SAR (W/kg) | 5 GHz WLAN Ant 5 GHz<br>ANTupper Reduced<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          | 0.476                                                            | 0.515                                                           | 0.090                                                 | 0.102                                                  | 1.081               | 1.093  | <b>1.183</b> |
|           | Top           | 0.028                                                            | 0.738                                                           | 0.006                                                 | 0.004                                                  | 0.772               | 0.770  | 0.776        |
|           | Bottom        | 0.533                                                            | 0.040                                                           | 0.009                                                 | 0.005                                                  | 0.582               | 0.578  | 0.587        |
|           | Right         | 0.784                                                            | 0.798                                                           | 0.352                                                 | 0.331                                                  | 1.136*              | 1.129* | 1.136*       |
|           | Left          | 0.006                                                            | 0.006                                                           | 0.010                                                 | 0.017                                                  | 0.022               | 0.029  | 0.039        |

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) | 5 GHz WLAN Ant 5 GHz<br>ANTower Reduced<br>SAR (W/kg) | 5 GHz WLAN Ant 5 GHz<br>ANTupper Reduced<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          | 0.551                                                            | 0.515                                                           | 0.090                                                 | 0.102                                                  | 1.156               | 1.168 | 1.258        |
|           | Top           | 0.006                                                            | 0.738                                                           | 0.006                                                 | 0.004                                                  | 0.750               | 0.748 | 0.754        |
|           | Bottom        | 0.663                                                            | 0.040                                                           | 0.009                                                 | 0.005                                                  | 0.712               | 0.708 | 0.717        |
|           | Right         | 0.073                                                            | 0.798                                                           | 0.352                                                 | 0.331                                                  | 1.223               | 1.202 | <b>1.554</b> |
|           | Left          | 0.028                                                            | 0.006                                                           | 0.010                                                 | 0.017                                                  | 0.044               | 0.051 | 0.061        |

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) | 5 GHz WLAN Ant 5 GHz<br>ANTower Reduced<br>SAR (W/kg) | 5 GHz WLAN Ant 5 GHz<br>ANTupper Reduced<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          | 0.515                                                           | 0.571                                                            | 0.090                                                 | 0.102                                                  | 1.176               | 1.188 | 1.278        |
|           | Top           | 0.738                                                           | 0.465                                                            | 0.006                                                 | 0.004                                                  | 1.209               | 1.207 | 1.213        |
|           | Bottom        | 0.040                                                           | 0.023                                                            | 0.009                                                 | 0.005                                                  | 0.072               | 0.068 | 0.077        |
|           | Right         | 0.798                                                           | 0.003                                                            | 0.352                                                 | 0.331                                                  | 1.153               | 1.132 | <b>1.484</b> |
|           | Left          | 0.006                                                           | 0.492                                                            | 0.010                                                 | 0.017                                                  | 0.508               | 0.515 | 0.525        |

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) | $\Sigma$ SAR (W/kg) |              |         |
|-----------|---------------|-----------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|---------------------|--------------|---------|
|           |               | 1                                                               | 2                                                                | 3                                         | 4                                       | 1+2+3               | 1+2+4        | 1+2+3+4 |
| Body SAR  | Back          | 0.720                                                           | 0.476                                                            | 0.181                                     | 0.229                                   | 1.377               | <b>1.425</b> | 0.720*  |
|           | Top           | 0.044                                                           | 0.028                                                            | 0.019                                     | 0.106                                   | 0.091               | 0.178        | 0.197   |
|           | Bottom        | 0.600                                                           | 0.533                                                            | 0.090                                     | 0.025                                   | 1.223               | 1.158        | 1.248   |
|           | Right         | 0.011                                                           | 0.784                                                            | 0.104                                     | 0.002                                   | 0.899               | 0.797        | 0.901   |
|           | Left          | 0.741                                                           | 0.006                                                            | 0.004                                     | 0.132                                   | 0.751               | 0.879        | 0.883   |

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## SAR EVALUATION REPORT

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Tablet Device

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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          | 0.720                                                           | 0.571                                                            | 0.181                                     | 0.229                                   | 1.472               | <b>1.520</b> | 0.800*  |
|           | Top           | 0.044                                                           | 0.465                                                            | 0.019                                     | 0.106                                   | 0.528               | 0.615        | 0.634   |
|           | Bottom        | 0.600                                                           | 0.023                                                            | 0.090                                     | 0.025                                   | 0.713               | 0.648        | 0.738   |
|           | Right         | 0.011                                                           | 0.003                                                            | 0.104                                     | 0.002                                   | 0.118               | 0.016        | 0.120   |
|           | Left          | 0.741                                                           | 0.492                                                            | 0.004                                     | 0.132                                   | 1.237               | 1.365        | 1.369   |

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          | 0.720                                                           | 0.609                                                            | 0.181                                     | 0.229                                   | 1.510               | <b>1.558</b> | 0.838*  |
|           | Top           | 0.044                                                           | 0.682                                                            | 0.019                                     | 0.106                                   | 0.745               | 0.832        | 0.851   |
|           | Bottom        | 0.600                                                           | 0.005                                                            | 0.090                                     | 0.025                                   | 0.695               | 0.630        | 0.720   |
|           | Right         | 0.011                                                           | 0.028                                                            | 0.104                                     | 0.002                                   | 0.143               | 0.041        | 0.145   |
|           | Left          | 0.741                                                           | 0.049                                                            | 0.004                                     | 0.132                                   | 0.794               | 0.922        | 0.926   |

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          | 0.476                                                            | 0.515                                                           | 0.181                                     | 0.229                                   | 1.172               | 1.220        | 1.401   |
|           | Top           | 0.028                                                            | 0.738                                                           | 0.019                                     | 0.106                                   | 0.785               | 0.872        | 0.891   |
|           | Bottom        | 0.533                                                            | 0.040                                                           | 0.090                                     | 0.025                                   | 0.663               | 0.598        | 0.688   |
|           | Right         | 0.784                                                            | 0.798                                                           | 0.104                                     | 0.002                                   | 0.888*              | <b>1.584</b> | 0.890*  |
|           | Left          | 0.006                                                            | 0.006                                                           | 0.004                                     | 0.132                                   | 0.016               | 0.144        | 0.148   |

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          | 0.551                                                            | 0.515                                                           | 0.181                                     | 0.229                                   | 1.247               | 1.295 | <b>1.476</b> |
|           | Top           | 0.006                                                            | 0.738                                                           | 0.019                                     | 0.106                                   | 0.763               | 0.850 | 0.869        |
|           | Bottom        | 0.663                                                            | 0.040                                                           | 0.090                                     | 0.025                                   | 0.793               | 0.728 | 0.818        |
|           | Right         | 0.073                                                            | 0.798                                                           | 0.104                                     | 0.002                                   | 0.975               | 0.873 | 0.977        |
|           | Left          | 0.028                                                            | 0.006                                                           | 0.004                                     | 0.132                                   | 0.038               | 0.166 | 0.170        |

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          | 0.515                                                           | 0.571                                                            | 0.181                                     | 0.229                                   | 1.267               | 1.315 | <b>1.496</b> |
|           | Top           | 0.738                                                           | 0.465                                                            | 0.019                                     | 0.106                                   | 1.222               | 1.309 | 1.328        |
|           | Bottom        | 0.040                                                           | 0.023                                                            | 0.090                                     | 0.025                                   | 0.153               | 0.088 | 0.178        |
|           | Right         | 0.798                                                           | 0.003                                                            | 0.104                                     | 0.002                                   | 0.905               | 0.803 | 0.907        |
|           | Left          | 0.006                                                           | 0.492                                                            | 0.004                                     | 0.132                                   | 0.502               | 0.630 | 0.634        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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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) | 5 GHz WLAN Ant 5 GHz<br>ANTLower Reduced<br>SAR (W/kg) | 5 GHz WLAN Ant 5 GHz<br>ANTUpper Reduced<br>SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|-----------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------|
|             |               | 1                                                               | 2                                                                | 3                                         | 4                                       | 5                                                      | 6                                                      | 1+2+3+4+5+6  |
| Body<br>SAR | Back          | 0.720                                                           | 0.476                                                            | 0.181                                     | 0.229                                   | 0.090                                                  | 0.102                                                  | 0.912*       |
|             | Top           | 0.044                                                           | 0.028                                                            | 0.019                                     | 0.106                                   | 0.006                                                  | 0.004                                                  | 0.207        |
|             | Bottom        | 0.600                                                           | 0.533                                                            | 0.090                                     | 0.025                                   | 0.009                                                  | 0.005                                                  | 1.262        |
|             | Right         | 0.011                                                           | 0.784                                                            | 0.104                                     | 0.002                                   | 0.352                                                  | 0.331                                                  | 1.584        |
|             | Left          | 0.741                                                           | 0.006                                                            | 0.004                                     | 0.132                                   | 0.010                                                  | 0.017                                                  | 0.910        |

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) | 5 GHz WLAN Ant 5 GHz<br>ANTLower Reduced<br>SAR (W/kg) | 5 GHz WLAN Ant 5 GHz<br>ANTUpper Reduced<br>SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|-----------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------|
|             |               | 1                                                               | 2                                                                | 3                                         | 4                                       | 5                                                      | 6                                                      | 1+2+3+4+5+6  |
| Body<br>SAR | Back          | 0.720                                                           | 0.571                                                            | 0.181                                     | 0.229                                   | 0.090                                                  | 0.102                                                  | 0.912*       |
|             | Top           | 0.044                                                           | 0.465                                                            | 0.019                                     | 0.106                                   | 0.006                                                  | 0.004                                                  | 0.644        |
|             | Bottom        | 0.600                                                           | 0.023                                                            | 0.090                                     | 0.025                                   | 0.009                                                  | 0.005                                                  | 0.752        |
|             | Right         | 0.011                                                           | 0.003                                                            | 0.104                                     | 0.002                                   | 0.352                                                  | 0.331                                                  | 0.803        |
|             | Left          | 0.741                                                           | 0.492                                                            | 0.004                                     | 0.132                                   | 0.010                                                  | 0.017                                                  | 1.396        |

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) | 5 GHz WLAN Ant 5 GHz<br>ANTLower Reduced<br>SAR (W/kg) | 5 GHz WLAN Ant 5 GHz<br>ANTUpper Reduced<br>SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|-----------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------|
|             |               | 1                                                               | 2                                                                | 3                                         | 4                                       | 5                                                      | 6                                                      | 1+2+3+4+5+6  |
| Body<br>SAR | Back          | 0.720                                                           | 0.609                                                            | 0.181                                     | 0.229                                   | 0.090                                                  | 0.102                                                  | 0.940*       |
|             | Top           | 0.044                                                           | 0.682                                                            | 0.019                                     | 0.106                                   | 0.006                                                  | 0.004                                                  | 0.861        |
|             | Bottom        | 0.600                                                           | 0.005                                                            | 0.090                                     | 0.025                                   | 0.009                                                  | 0.005                                                  | 0.734        |
|             | Right         | 0.011                                                           | 0.028                                                            | 0.104                                     | 0.002                                   | 0.352                                                  | 0.331                                                  | 0.828        |
|             | Left          | 0.741                                                           | 0.049                                                            | 0.004                                     | 0.132                                   | 0.010                                                  | 0.017                                                  | 0.953        |

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) | 5 GHz WLAN Ant 5 GHz<br>ANTLower Reduced<br>SAR (W/kg) | 5 GHz WLAN Ant 5 GHz<br>ANTUpper Reduced<br>SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------|-----------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------|
|             |               | 1                                                                | 2                                                               | 3                                         | 4                                       | 5                                                      | 6                                                      | 1+2+3+4+5+6  |
| Body<br>SAR | Back          | 0.476                                                            | 0.515                                                           | 0.181                                     | 0.229                                   | 0.090                                                  | 0.102                                                  | 1.593        |
|             | Top           | 0.028                                                            | 0.738                                                           | 0.019                                     | 0.106                                   | 0.006                                                  | 0.004                                                  | 0.901        |
|             | Bottom        | 0.533                                                            | 0.040                                                           | 0.090                                     | 0.025                                   | 0.009                                                  | 0.005                                                  | 0.702        |
|             | Right         | 0.784                                                            | 0.798                                                           | 0.104                                     | 0.002                                   | 0.352                                                  | 0.331                                                  | 1.242*       |
|             | Left          | 0.006                                                            | 0.006                                                           | 0.004                                     | 0.132                                   | 0.010                                                  | 0.017                                                  | 0.175        |

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 2b<br>Backoff SAR (W/kg) | Cellular Band Antenna 3<br>Backoff SAR (W/kg) | Bluetooth Ant 2a at 7.5<br>dBm SAR (W/kg) | Bluetooth Ant 4a at 8 dBm<br>SAR (W/kg) | 5 GHz WLAN Ant 5 GHz<br>ANTLower Reduced SAR<br>(W/kg) | 5 GHz WLAN Ant 5 GHz<br>ANTUpper Reduced SAR<br>(W/kg) | Σ SAR (W/kg) |
|-----------|---------------|------------------------------------------------|-----------------------------------------------|-------------------------------------------|-----------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------|
|           |               | 1                                              | 2                                             | 3                                         | 4                                       | 5                                                      | 6                                                      | 1+2+3+4+5+6  |
| Body SAR  | Back          | 0.551                                          | 0.515                                         | 0.181                                     | 0.229                                   | 0.090                                                  | 0.102                                                  | 1.258*       |
|           | Top           | 0.006                                          | 0.738                                         | 0.019                                     | 0.106                                   | 0.006                                                  | 0.004                                                  | 0.879        |
|           | Bottom        | 0.663                                          | 0.040                                         | 0.090                                     | 0.025                                   | 0.009                                                  | 0.005                                                  | 0.832        |
|           | Right         | 0.073                                          | 0.798                                         | 0.104                                     | 0.002                                   | 0.352                                                  | 0.331                                                  | 1.204*       |
|           | Left          | 0.028                                          | 0.006                                         | 0.004                                     | 0.132                                   | 0.010                                                  | 0.017                                                  | 0.197        |

|                                         |                                                                                                                  |                            |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
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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) | 5 GHz WLAN Ant 5 GHz<br>ANTLower Reduced<br>SAR (W/kg) | 5 GHz WLAN Ant 5 GHz<br>ANTUpper Reduced<br>SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|-----------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------|
|             |               | 1                                                               | 2                                                                | 3                                         | 4                                       | 5                                                      | 6                                                      | 1+2+3+4+5+6  |
| Body<br>SAR | Back          | 0.515                                                           | 0.571                                                            | 0.181                                     | 0.229                                   | 0.090                                                  | 0.102                                                  | 0.902*       |
|             | Top           | 0.738                                                           | 0.465                                                            | 0.019                                     | 0.106                                   | 0.006                                                  | 0.004                                                  | 1.338        |
|             | Bottom        | 0.040                                                           | 0.023                                                            | 0.090                                     | 0.025                                   | 0.009                                                  | 0.005                                                  | 0.192        |
|             | Right         | 0.798                                                           | 0.003                                                            | 0.104                                     | 0.002                                   | 0.352                                                  | 0.331                                                  | <b>1.590</b> |
|             | Left          | 0.006                                                           | 0.492                                                            | 0.004                                     | 0.132                                   | 0.010                                                  | 0.017                                                  | 0.661        |

**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) | 5 GHz WLAN Ant 5 GHz<br>ANTLower SAR (W/kg) | 5 GHz WLAN Ant 5 GHz<br>ANTUpper SAR (W/kg) | Σ SAR<br>(W/kg) |
|-------------|---------------|--------------------------------------------|--------------------------------|---------------------------------------------|---------------------------------------------|-----------------|
|             |               | 1                                          | 2                              | 3                                           | 4                                           | 1+2+3+4         |
| Body<br>SAR | Back          | 0.489                                      | 1.087                          | 0.130                                       | 0.102                                       | 1.189*          |
|             | Top           | 0.019                                      | 0.455                          | 0.006                                       | 0.004                                       | 0.484           |
|             | Bottom        | 0.271                                      | 0.025                          | 0.009                                       | 0.005                                       | 0.310           |
|             | Right         | 0.265                                      | 0.002                          | 1.078                                       | 1.183                                       | 1.345*          |
|             | Left          | 0.004                                      | 0.599                          | 0.010                                       | 0.017                                       | <b>0.630</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          | 1.005                          | 1.087                          | 1.087*          |
|             | Top           | 0.019                          | 0.455                          | 0.474           |
|             | Bottom        | 0.477                          | 0.025                          | 0.502           |
|             | Right         | 0.587                          | 0.002                          | 0.589           |
|             | Left          | 0.004                          | 0.599                          | <b>0.603</b>    |

|                                                |                                                                                                   |                                   |  |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|--|----------------------------------------|
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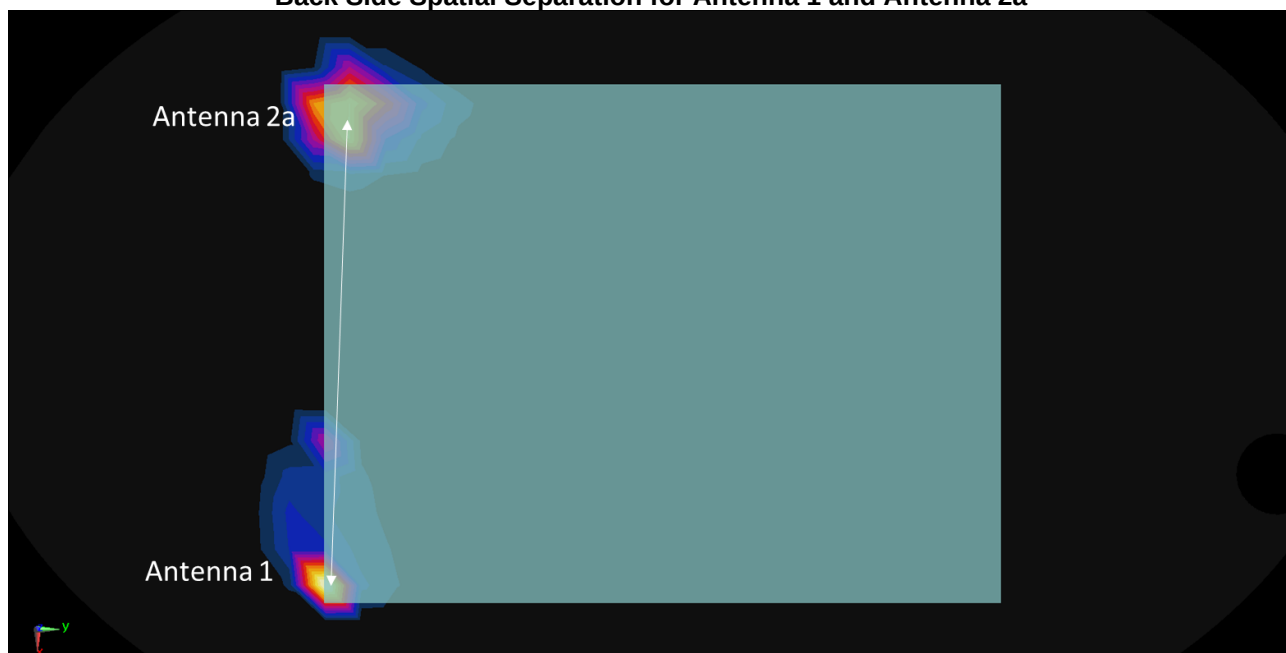
## 11.4 Spatial Separation Analysis

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.

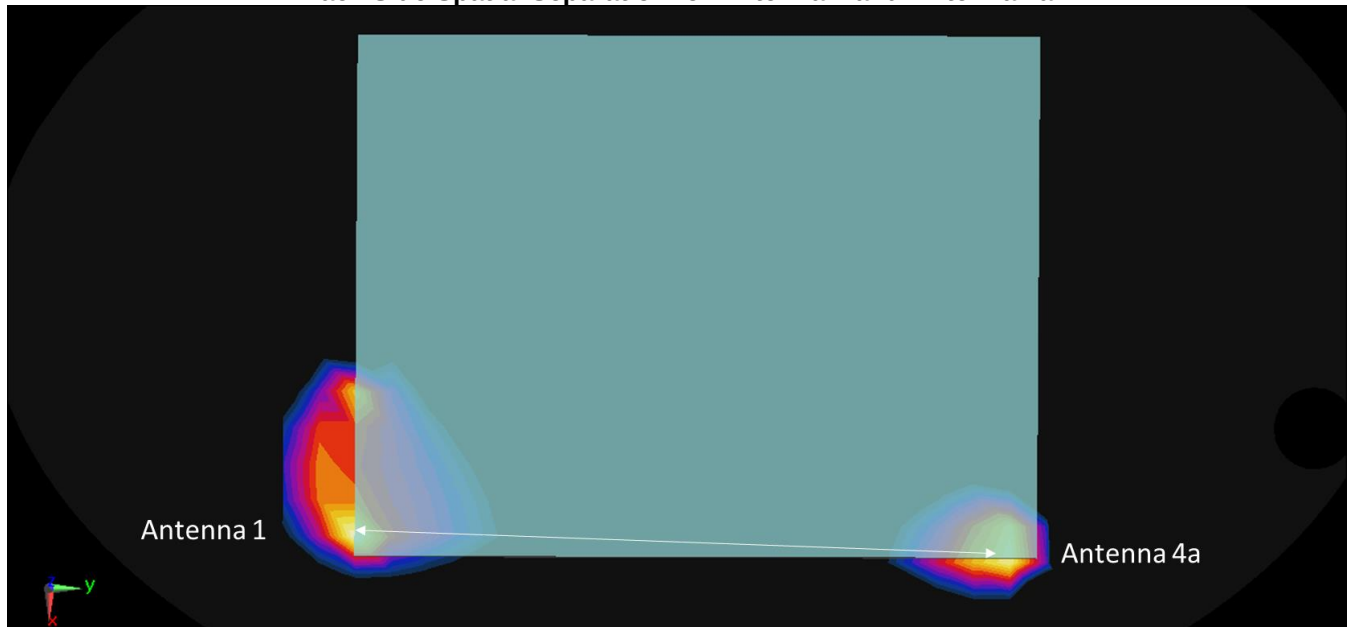
### 11.4.1 Back Side Spatial Separation Analysis

Figure 11-1  
Back Side Spatial Separation for Antenna 1 and Antenna 2a

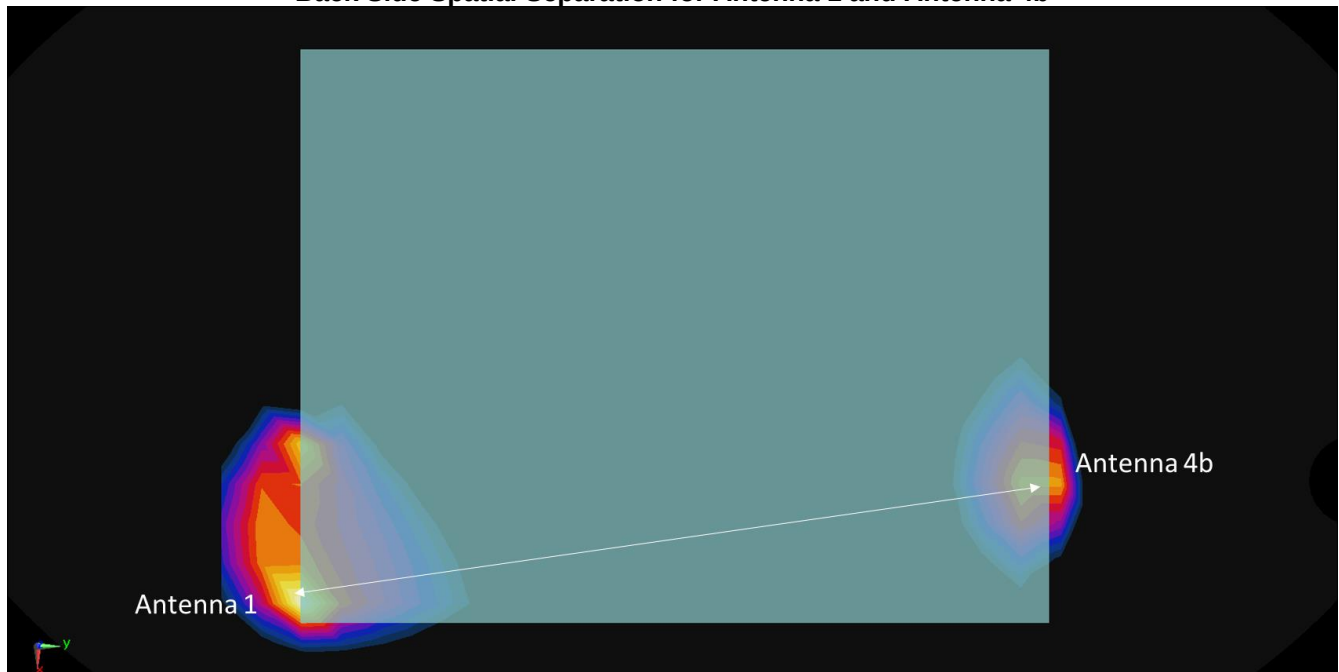


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**Figure 11-2**  
**Back Side Spatial Separation for Antenna 1 and Antenna 4a**

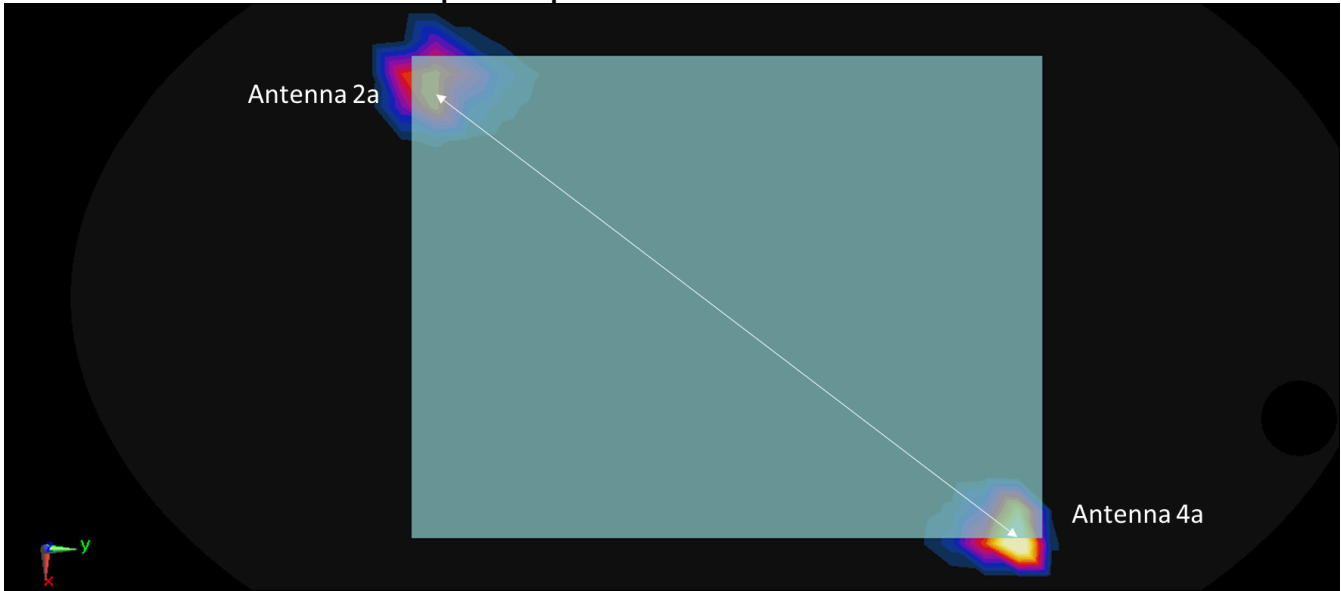


**Figure 11-3**  
**Back Side Spatial Separation for Antenna 1 and Antenna 4b**

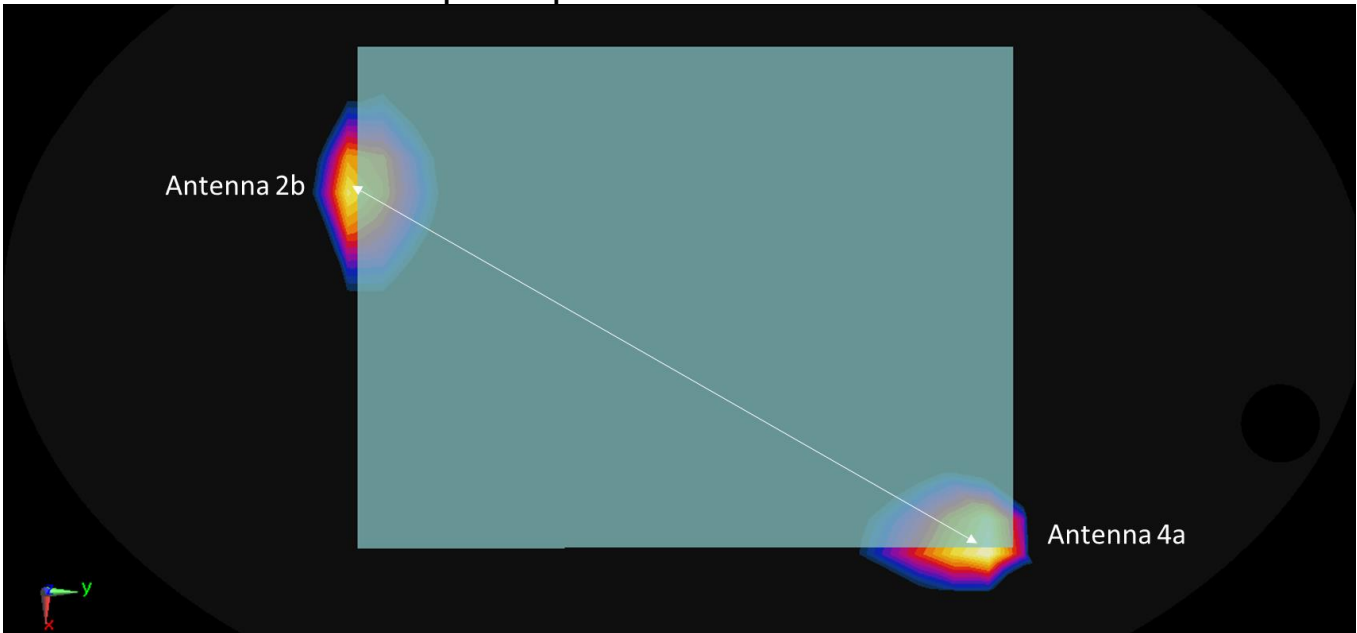


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**Figure 11-4**  
**Back Side Spatial Separation for Antenna 2a and Antenna 4a**

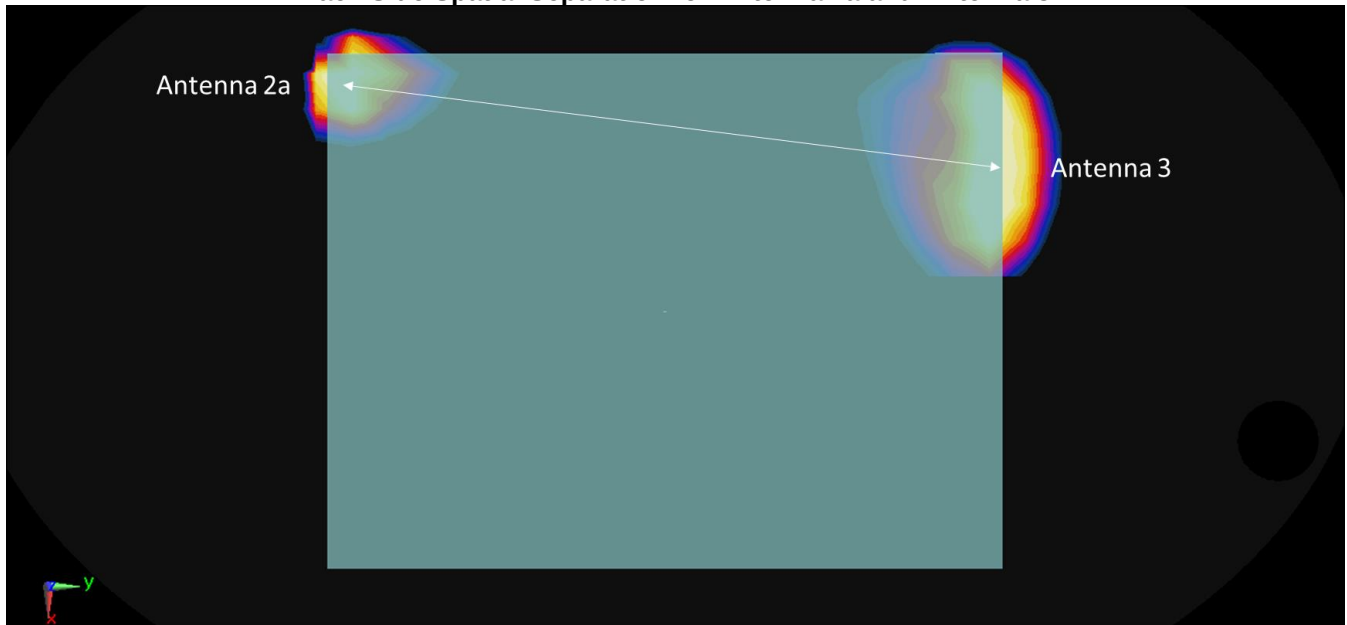


**Figure 11-5**  
**Back Side Spatial Separation for Antenna 2b and Antenna 4a**

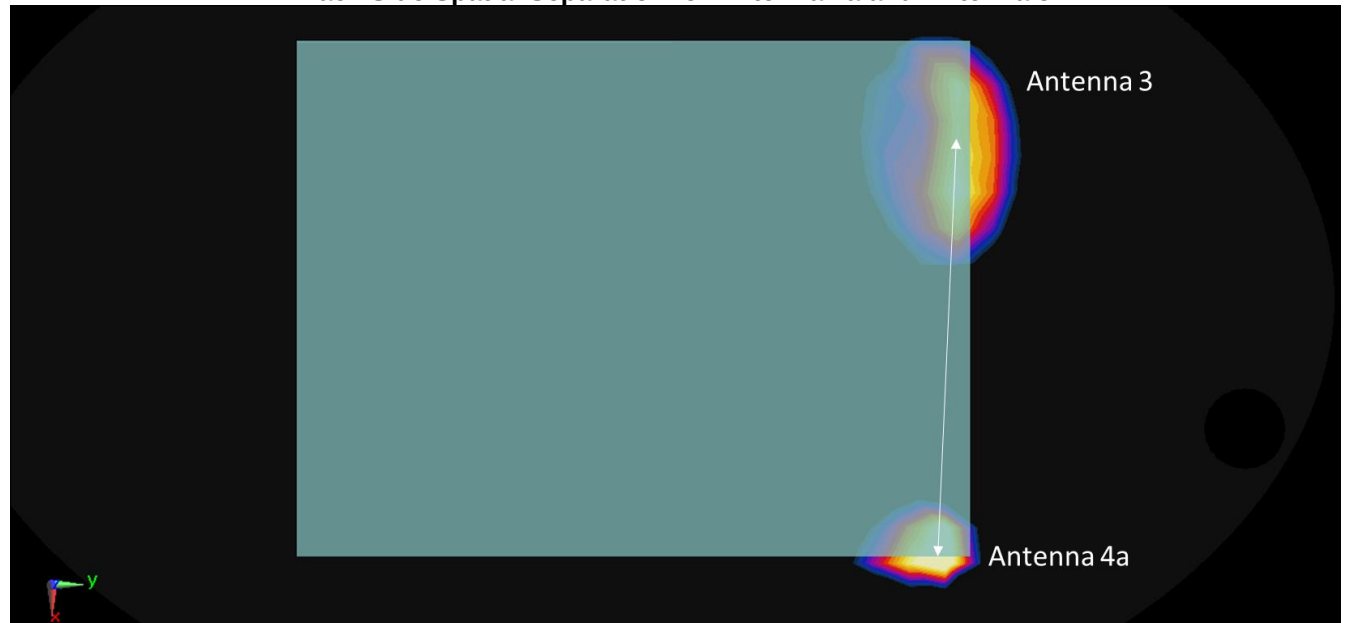


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**Figure 11-6**  
**Back Side Spatial Separation for Antenna 2a and Antenna 3**

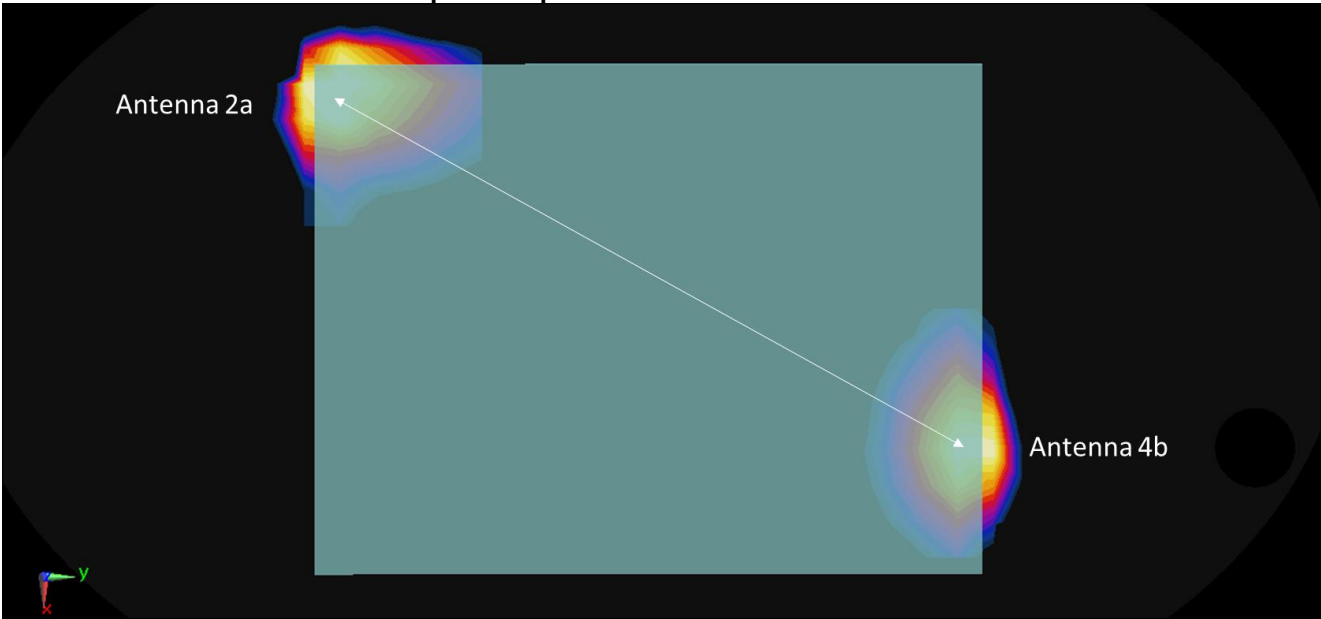


**Figure 11-7**  
**Back Side Spatial Separation for Antenna 4a and Antenna 3**

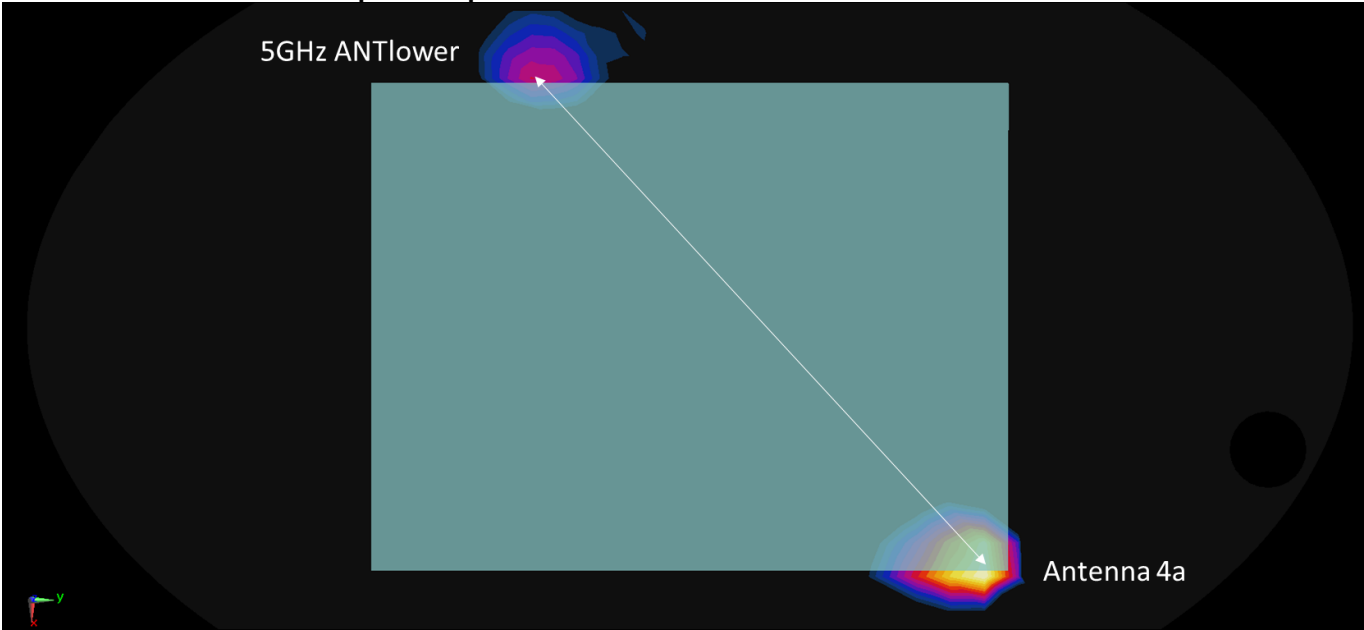


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**Figure 11-8**  
**Back Side Spatial Separation for Antenna 4b and Antenna 2a**

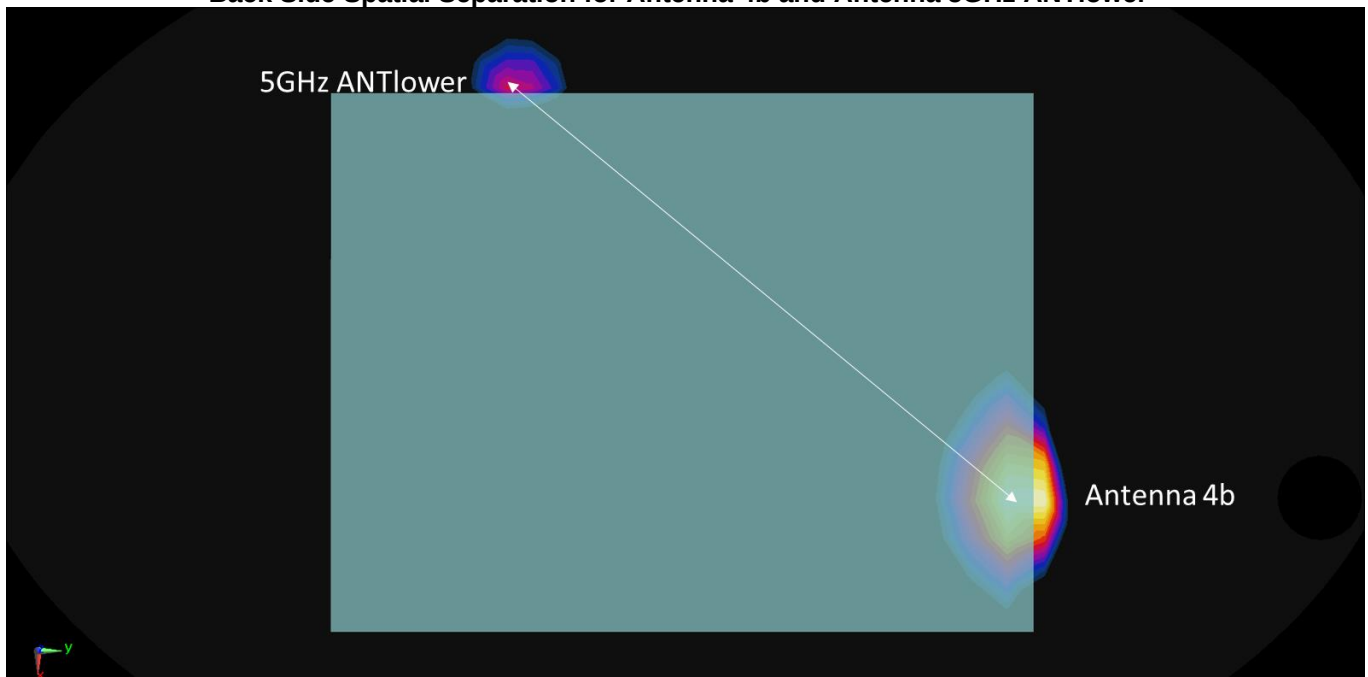


**Figure 11-9**  
**Back Side Spatial Separation for Antenna 4a and Antenna 5GHz ANTlower**



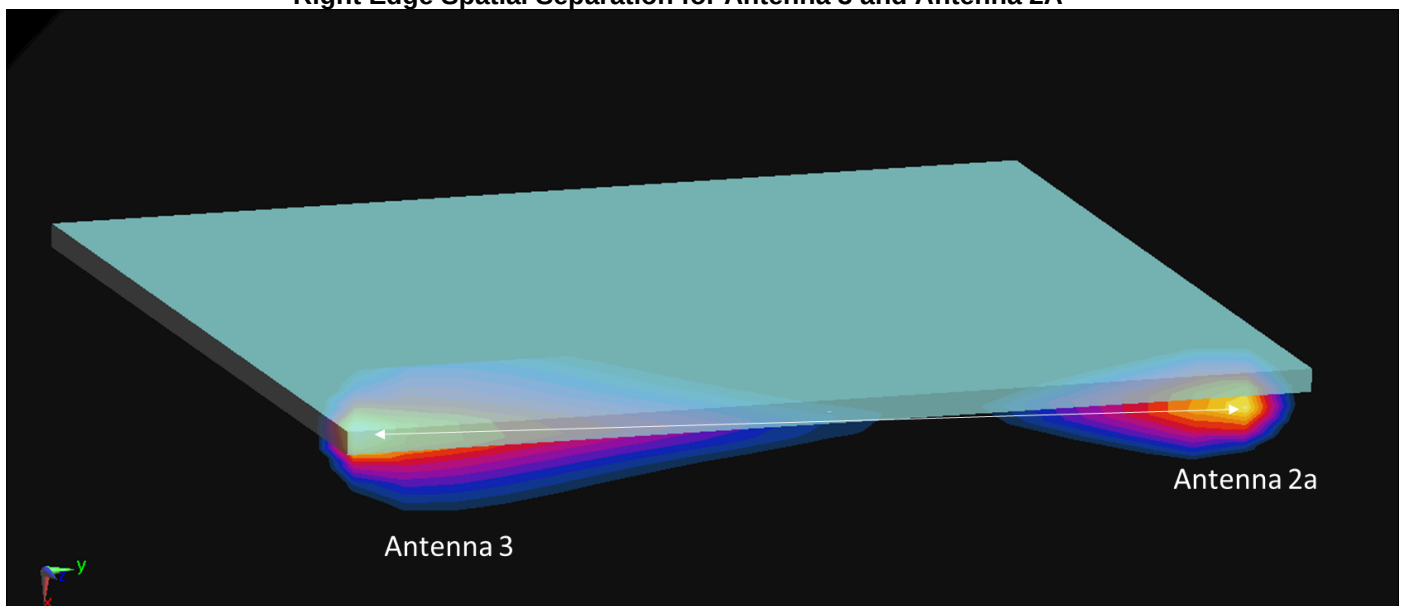
|                                         |                                                                                                                  |                            |                                 |
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| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
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**Figure 11-10**  
**Back Side Spatial Separation for Antenna 4b and Antenna 5GHz ANTlower**



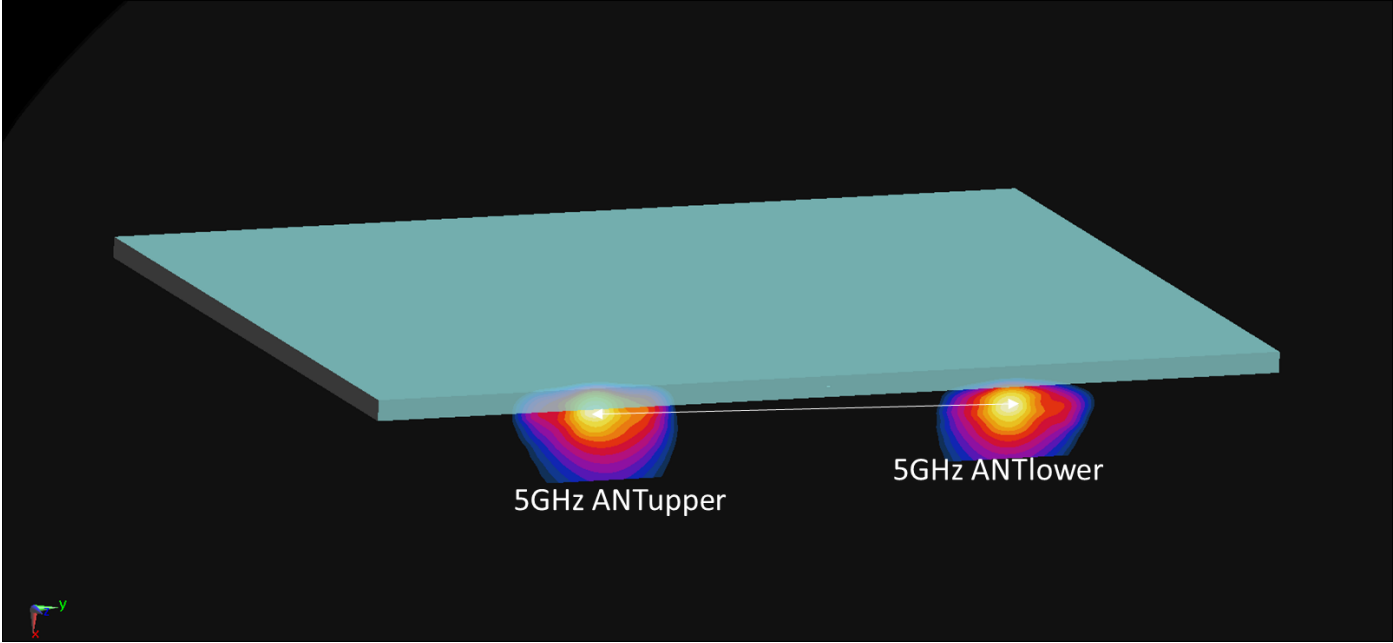
#### 11.4.1 Right Edge Spatial Separation Analysis

**Figure 11-11**  
**Right Edge Spatial Separation for Antenna 3 and Antenna 2A**

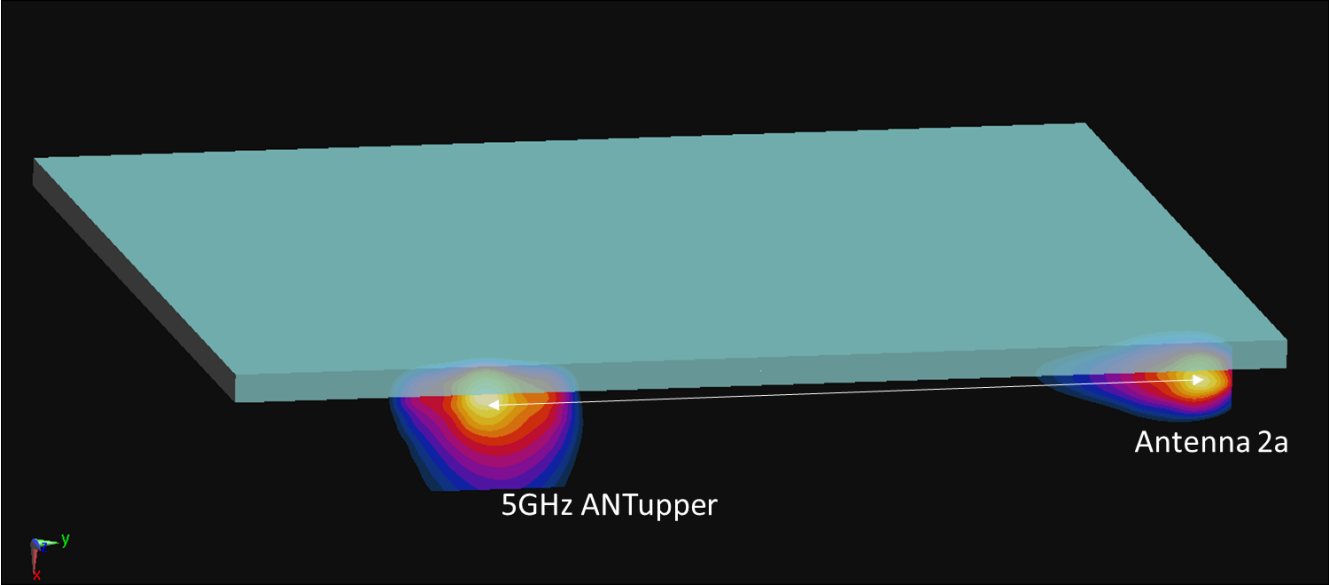


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**Figure 11-12**  
**Right Edge Spatial Separation for Antenna 5GHz ANTlower and Antenna 5GHz ANTupper**

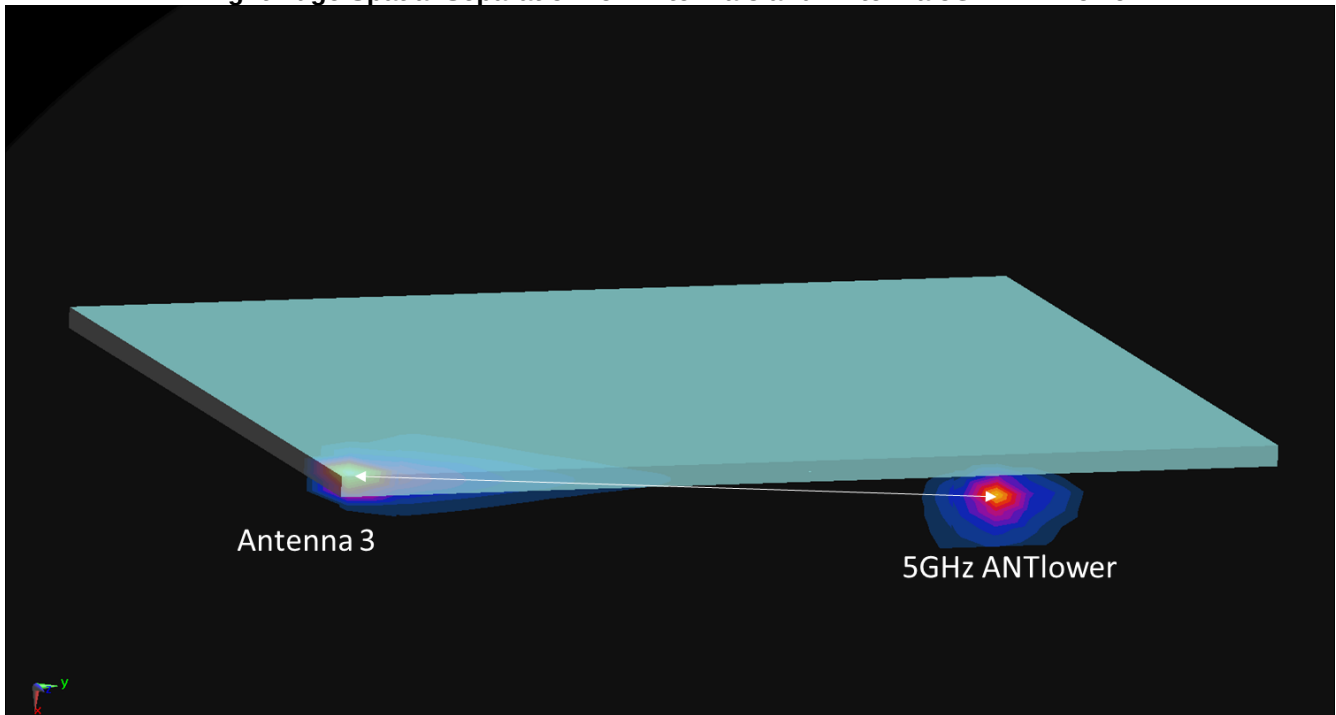


**Figure 11-13**  
**Right Edge Spatial Separation for Antenna 2a and Antenna 5GHz ANTupper**



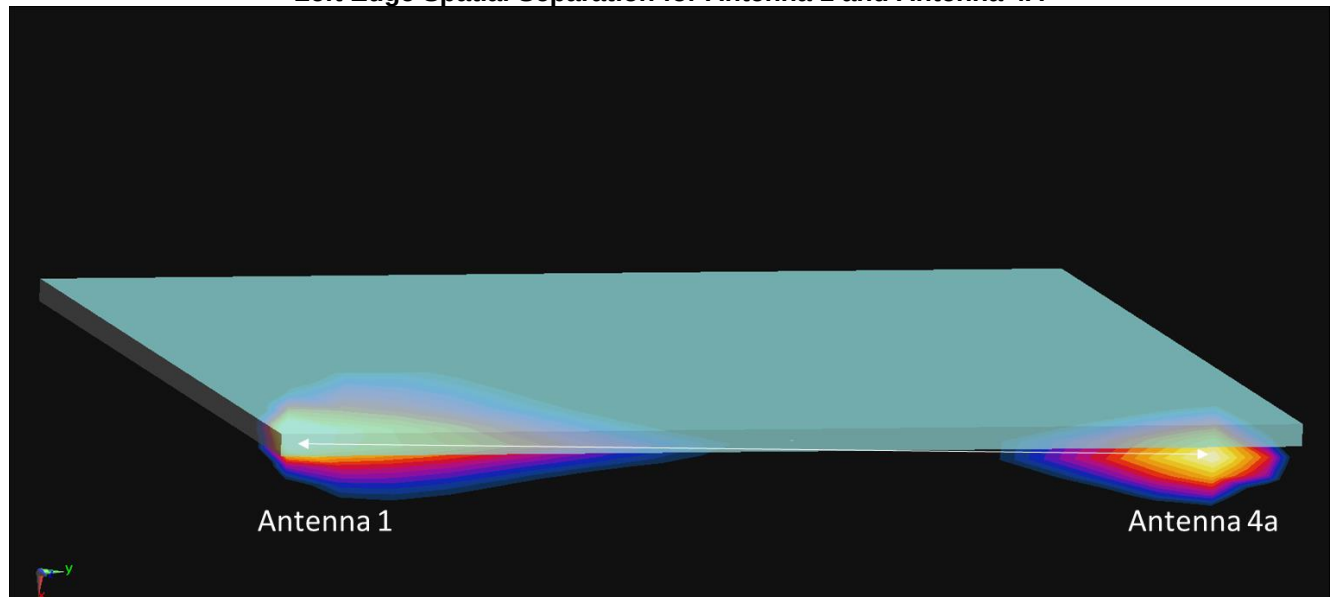
|                                         |                                                                                                                  |                            |                                 |
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| FCC ID: BCGA2069                        |  <b>SAR EVALUATION REPORT</b> |                            | Approved by:<br>Quality Manager |
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**Figure 11-14**  
**Right Edge Spatial Separation for Antenna 3 and Antenna 5GHz ANTlower**



#### 11.4.2 Left Edge Spatial Separation Analysis

**Figure 11-15**  
**Left Edge Spatial Separation for Antenna 1 and Antenna 4A**



|                                                |                                                                                                   |                                   |                 |                                        |
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## 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 ( $\sim 10\%$  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                                | Antenna        | Service                  | Data Rate (Mbps) | Side  | Spacing | Measured SAR (1g)    | 1st Repeated SAR (1g) | Ratio | 2nd Repeated SAR (1g) | Ratio | 3rd Repeated SAR (1g) | Ratio |
|                                          | MHz       | Ch.   |                                     |                |                          |                  |       |         | (W/kg)               | (W/kg)                |       | (W/kg)                |       | (W/kg)                |       |
| 750                                      | 707.50    | 23095 | LTE Band 12, 10 MHz Bandwidth       | Ant 1          | QPSK, 1 RB, 0 RB Offset  | N/A              | left  | 0 mm    | 1.150                | 1.040                 | 1.11  | N/A                   | N/A   | N/A                   | N/A   |
| 835                                      | 836.50    | 20525 | LTE Band 5 (Cell), 10 MHz Bandwidth | Ant 1          | QPSK, 50 RB, 0 RB Offset | N/A              | left  | 0 mm    | 1.140                | 1.130                 | 1.01  | N/A                   | N/A   | N/A                   | N/A   |
| 1750                                     | 1732.40   | 1412  | UMTS 1750                           | Ant 2a         | RMC                      | N/A              | back  | 0 mm    | 1.160                | 1.090                 | 1.06  | N/A                   | N/A   | N/A                   | N/A   |
| 1900                                     | 1905.00   | 26590 | LTE Band 25 (PCS), 20 MHz Bandwidth | Ant 4a         | QPSK, 50 RB, 0 RB Offset | N/A              | back  | 0 mm    | 1.180                | 1.120                 | 1.05  | N/A                   | N/A   | N/A                   | N/A   |
| 2300                                     | 2310.00   | 27710 | LTE Band 30, 10 MHz Bandwidth       | Ant 4a         | QPSK, 25 RB, 0 RB Offset | N/A              | back  | 0 mm    | 1.080                | 0.900                 | 1.20  | N/A                   | N/A   | N/A                   | N/A   |
| 2450                                     | 2506.00   | 39750 | LTE Band 41, 20 MHz Bandwidth       | Ant 4b         | QPSK, 1 RB, 0 RB Offset  | N/A              | back  | 0 mm    | 1.120                | 1.030                 | 1.09  | N/A                   | N/A   | N/A                   | N/A   |
| 2600                                     | 2535.00   | 21100 | LTE Band 7, 20 MHz Bandwidth        | Ant 4b         | QPSK, 1 RB, 50 RB Offset | N/A              | back  | 0 mm    | 1.120                | 1.120                 | 1.00  | N/A                   | N/A   | N/A                   | N/A   |
| 3500                                     | 3560.00   | 55340 | LTE Band 48, 20 MHz Bandwidth       | Ant 3          | QPSK, 50 RB, 0 RB Offset | N/A              | right | 0 mm    | 1.060                | 0.902                 | 1.18  | N/A                   | N/A   | N/A                   | N/A   |
| 3700                                     | 3603.30   | 55773 | LTE Band 48, 20 MHz Bandwidth       | Ant 3          | QPSK, 1 RB, 99 RB Offset | N/A              | right | 0 mm    | 1.120                | 0.997                 | 1.12  | N/A                   | N/A   | N/A                   | N/A   |
| 5250                                     | 5230.00   | 46    | 802.11n, 40 MHz Bandwidth           | 5 GHz ANTlower | OFDM                     | 13.5             | right | 0 mm    | 0.821                | 0.720                 | 1.14  | N/A                   | N/A   | N/A                   | N/A   |
| 5600                                     | 5610.00   | 122   | 802.11ac, 80 MHz Bandwidth          | 5 GHz ANTupper | OFDM                     | 29.3             | right | 0 mm    | 0.834                | 0.740                 | 1.13  | N/A                   | N/A   | N/A                   | N/A   |
| 5750                                     | 5775.00   | 155   | 802.11ac, 80 MHz Bandwidth          | 5 GHz ANTupper | OFDM                     | 29.3             | right | 0 mm    | 1.000                | 0.870                 | 1.15  | N/A                   | N/A   | N/A                   | N/A   |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |           |       |                                     |                |                          |                  |       |         | Body                 |                       |       |                       |       |                       |       |
| Spatial Peak                             |           |       |                                     |                |                          |                  |       |         | 1.6 W/kg (mW/g)      |                       |       |                       |       |                       |       |
| Uncontrolled Exposure/General Population |           |       |                                     |                |                          |                  |       |         | 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.

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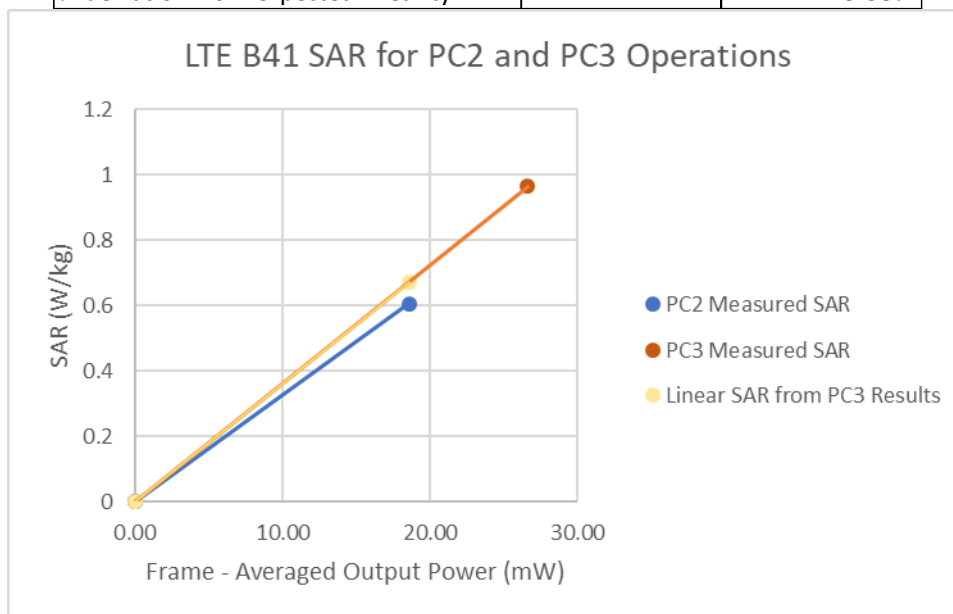
## 13 ADDITIONAL TESTING PER FCC GUIDANCE

### 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)         | 16.24           | 16.33           |
| Measured SAR (W/kg)                 | 0.964           | 0.606           |
| Measured Power (mW)                 | 42.07           | 42.95           |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 26.63           | 18.60           |
| % deviation from expected linearity |                 | -9.99%          |

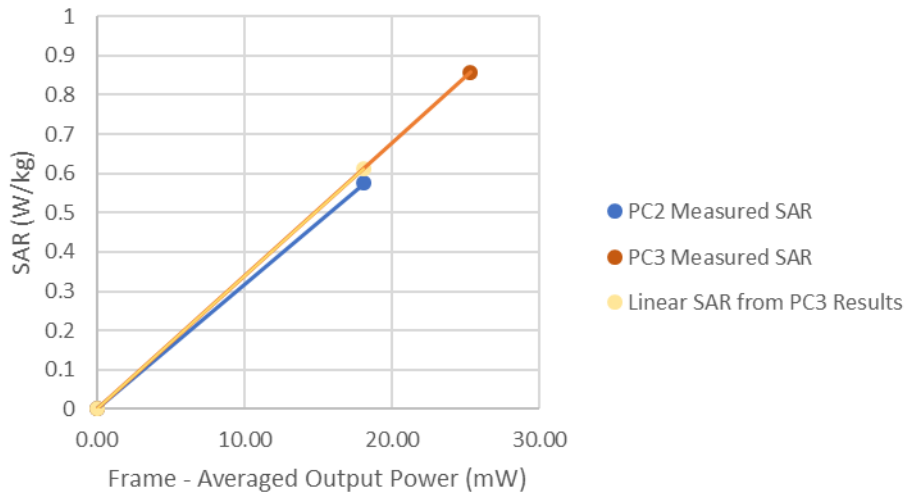


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**Table 13-2**  
**LTE Band 41 ULCA Body Linearity Data – Ant 2a**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 16.4            | 16.4            |
| Measured Output Power (dBm)         | 16.02           | 16.21           |
| Measured SAR (W/kg)                 | 0.858           | 0.575           |
| Measured Power (mW)                 | 39.99           | 41.78           |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 25.32           | 18.09           |
| % deviation from expected linearity |                 | -6.22%          |

**LTE B41 SAR for PC2 and PC3 Operations**

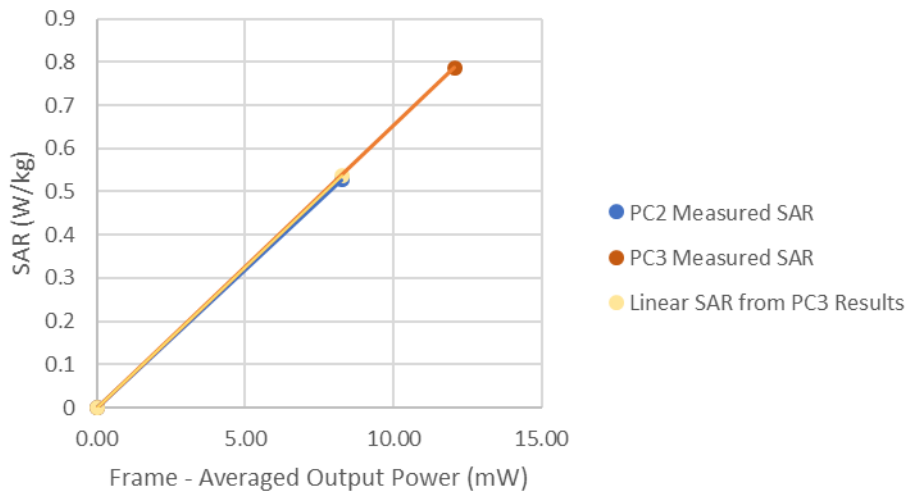


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**Table 13-3**  
**LTE Band 41 Body Linearity Data – Ant 2b**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 13.8            | 13.8            |
| Measured Output Power (dBm)         | 12.8            | 12.8            |
| Measured SAR (W/kg)                 | 0.787           | 0.528           |
| Measured Power (mW)                 | 19.05           | 19.05           |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 12.06           | 8.25            |
| % deviation from expected linearity |                 | -1.92%          |

**LTE B41 SAR for PC2 and PC3 Operations**

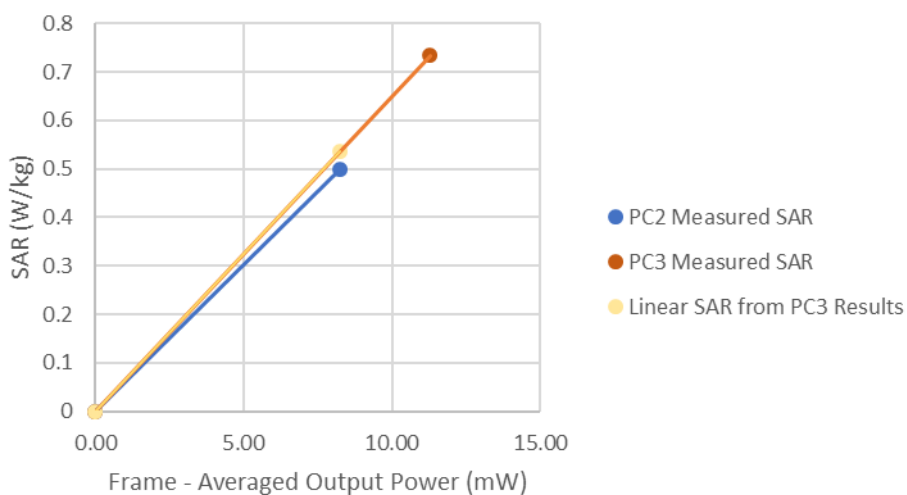


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**Table 13-4**  
**LTE Band 41 ULCA Body Linearity Data – Ant 2b**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 13.8            | 13.8            |
| Measured Output Power (dBm)         | 12.51           | 12.8            |
| Measured SAR (W/kg)                 | 0.734           | 0.5             |
| Measured Power (mW)                 | 17.82           | 19.05           |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 11.28           | 8.25            |
| % deviation from expected linearity |                 | -6.85%          |

**LTE B41 SAR for PC2 and PC3 Operations**

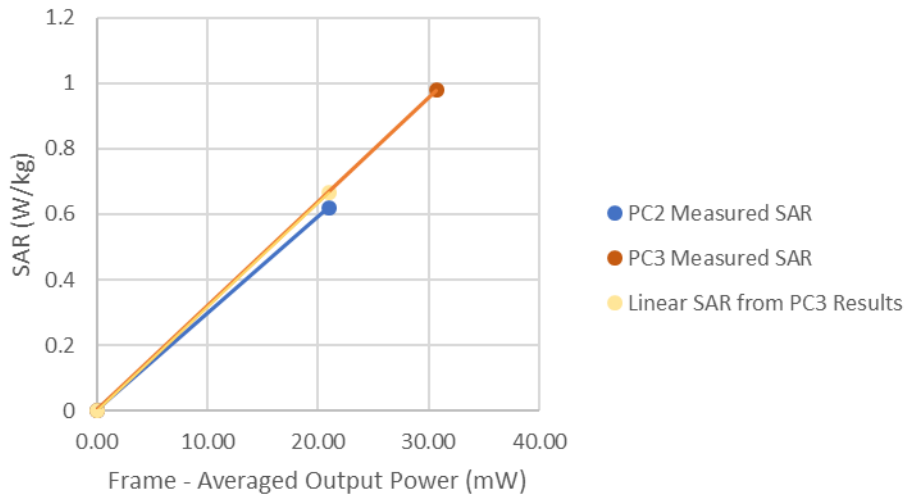


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**Table 13-5**  
**LTE Band 41 Body Linearity Data – Ant 4a**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 16.9            | 16.9            |
| Measured Output Power (dBm)         | 16.86           | 16.85           |
| Measured SAR (W/kg)                 | 0.978           | 0.621           |
| Measured Power (mW)                 | 48.53           | 48.42           |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 30.72           | 20.96           |
| % deviation from expected linearity |                 | -6.96%          |

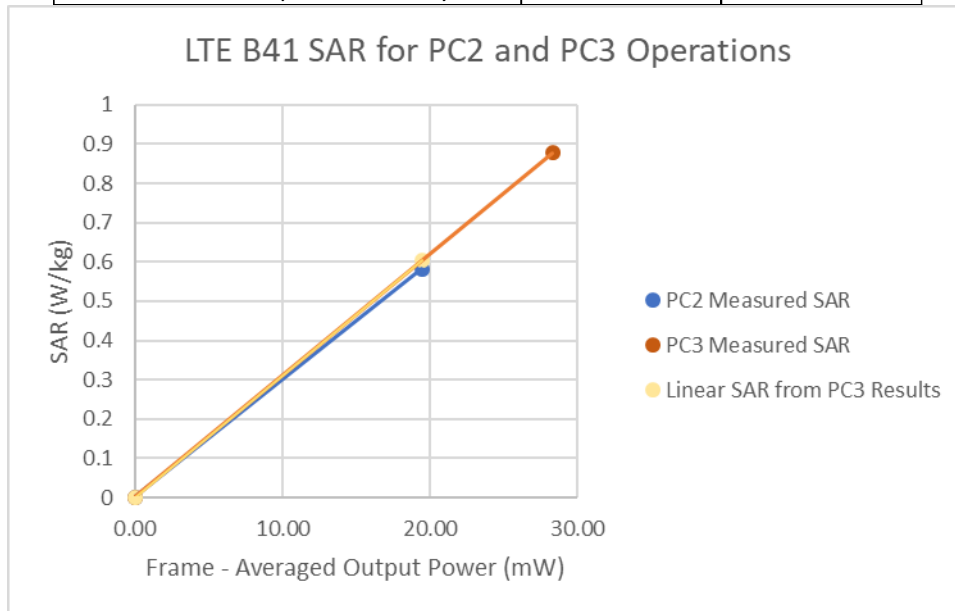
**LTE B41 SAR for PC2 and PC3 Operations**



|                                                |                                                                                                   |                                   |                                        |
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**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)         | 16.51           | 16.53           |
| Measured SAR (W/kg)                 | 0.878           | 0.582           |
| Measured Power (mW)                 | 44.77           | 44.98           |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 28.34           | 19.48           |
| % deviation from expected linearity |                 | -3.54%          |

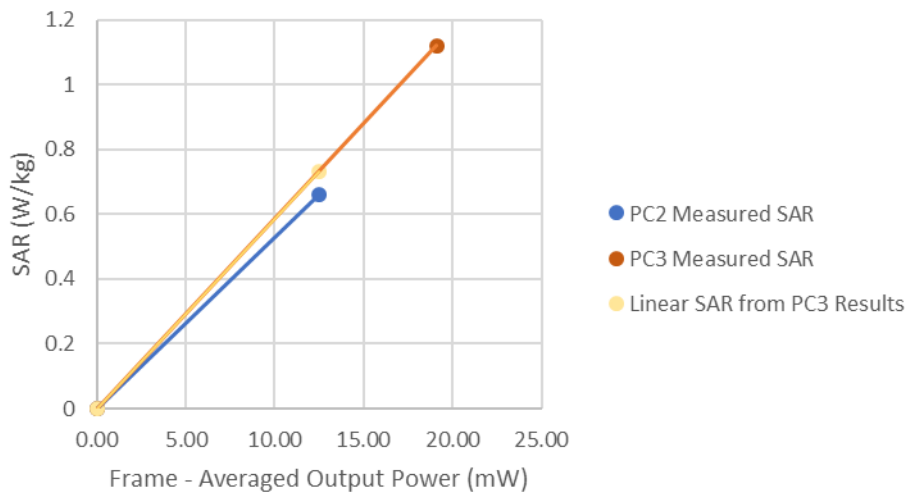


|                                                |                                                                                                   |                                   |                                        |
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**Table 13-7**  
**LTE 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)         | 14.8            | 14.6            |
| Measured SAR (W/kg)                 | 1.12            | 0.659           |
| Measured Power (mW)                 | 30.20           | 28.84           |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 19.12           | 12.49           |
| % deviation from expected linearity |                 | -9.93%          |

**LTE B41 SAR for PC2 and PC3 Operations**

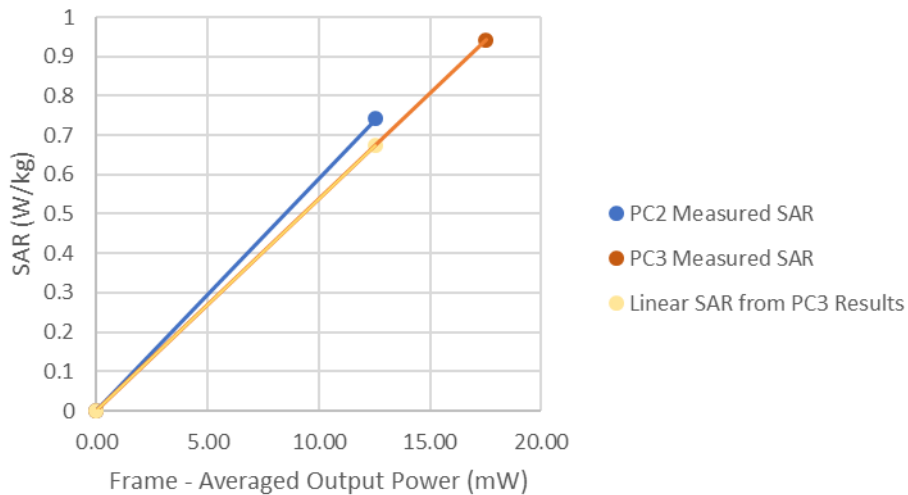


|                                                |                                                                                                   |                                   |                                        |
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**Table 13-8**  
**LTE 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)         | 14.42           | 14.62           |
| Measured SAR (W/kg)                 | 0.942           | 0.741           |
| Measured Power (mW)                 | 27.67           | 28.97           |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 17.51           | 12.55           |
| % deviation from expected linearity |                 | 9.82%           |

**LTE B41 SAR for PC2 and PC3 Operations**



|                                                |                                                                                                   |                                   |                                        |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1C1912170054-01-R1.BCG | <b>Test Dates:</b><br>12/18/2019 – 01/28/2020                                                     | <b>DUT Type:</b><br>Tablet Device | Page 292 of 297                        |

# 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 | 15S1G6    | Amplifier                           | CBT        | N/A          | CBT        | 343972        |
| Amplifier Research | 15S1G6    | 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     |
| 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           |
| Pasternack         | PE2208-6  | Bidirectional Coupler               | CBT        | N/A          | CBT        | N/A           |
| Pasternack         | PE2209-10 | Bidirectional Coupler               | CBT        | N/A          | CBT        | N/A           |
| Mitutoyo           | CD-6°CSX  | Digital Caliper                     | 4/18/2018  | Biennial     | 4/18/2020  | 13264165      |
| 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                  | 5/18/2018  | Biennial     | 5/18/2020  | 1034          |
| SPEAG              | D835V2    | 835 MHz SAR Dipole                  | 6/20/2019  | Annual       | 6/20/2020  | 404040        |
| 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  | 50026         |
| 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                 | 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                    | 3/13/2018  | Biennial     | 3/13/2020  | 1123          |
| SPEAG              | DAE4      | Dasy Data Acquisition Electronics   | 8/12/2019  | Annual       | 8/12/2020  | 1408          |
| SPEAG              | DAE4      | Dasy Data Acquisition Electronics   | 2/13/2019  | Annual       | 2/13/2020  | 1403          |
| SPEAG              | DAE4      | Dasy Data Acquisition Electronics   | 7/10/2019  | Annual       | 7/10/2020  | 1402          |
| 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   | 3/13/2019  | Annual       | 3/13/2020  | 604           |
| 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              | EX3DV4    | SAR Probe                           | 8/29/2019  | Annual       | 8/29/2020  | 3949          |
| SPEAG              | EX3DV4    | SAR Probe                           | 11/21/2019 | Annual       | 11/21/2020 | 7420          |
| SPEAG              | EX3DV4    | SAR Probe                           | 7/16/2019  | Annual       | 7/16/2020  | 7491          |
| SPEAG              | EX3DV4    | SAR Probe                           | 2/19/2019  | Annual       | 2/19/2020  | 7427          |
| SPEAG              | EX3DV4    | SAR Probe                           | 3/18/2019  | Annual       | 3/18/2020  | 7421          |
| SPEAG              | EX3DV4    | SAR Probe                           | 4/12/2019  | Annual       | 4/12/2020  | 7532          |

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. Each equipment item was used solely within its respective calibration period.

|                                         |                                                                                     |                            |                                 |
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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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|                                         |                                                                                                                  |                            |                                 |
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