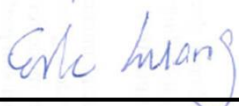


# FCC SAR Test Report

APPLICANT : Motorola Mobility LLC.  
EQUIPMENT : Mobile Cellular Phone  
BRAND NAME : Motorola  
MODEL NAME : 7975  
FCC ID : IHDT56VD1  
STANDARD : FCC 47 CFR Part 2 (2.1093)  
ANSI/IEEE C95.1-1992  
IEEE 1528-2013

We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the procedures and had been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.



Reviewed by: Eric Huang / Deputy Manager



Approved by: Jones Tsai / Manager



## SPORTON INTERNATIONAL INC.

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**Appendix A. SAR Reference Report**

**Appendix B. Test Setup Photos**

[illegible]

## 1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for **Motorola Mobility LLC., Mobile Cellular Phone, 7975**, are as follows.

| Equipment Class | Frequency Band |             | Highest 1g SAR Summary   |                                |                              | Highest Simultaneous Transmission<br>1g SAR (W/kg) |
|-----------------|----------------|-------------|--------------------------|--------------------------------|------------------------------|----------------------------------------------------|
|                 |                |             | Head<br>(Separation 0mm) | Body-worn<br>(Separation 10mm) | Hotspot<br>(Separation 10mm) |                                                    |
|                 |                |             | 1g SAR (W/kg)            |                                |                              |                                                    |
| Licensed        | GSM            | GSM850      | 0.71                     | 0.92                           | 0.92                         | 1.57                                               |
|                 |                | GSM1900     | 0.48                     | 0.98                           | 0.98                         |                                                    |
|                 | WCDMA          | WCDMA II    | 0.79                     | 1.37                           | 1.37                         |                                                    |
|                 |                | WCDMA IV    | 0.71                     | 1.40                           | 1.40                         |                                                    |
|                 |                | WCDMA V     | 0.47                     | 0.72                           | 0.72                         |                                                    |
|                 | LTE            | LTE Band 2  | 0.67                     | 1.17                           | 1.17                         |                                                    |
|                 |                | LTE Band 4  | 0.55                     | 1.30                           | 1.30                         |                                                    |
|                 |                | LTE Band 5  | 0.37                     | 0.61                           | 0.61                         |                                                    |
|                 |                | LTE Band 7  | 0.74                     | 1.13                           | 1.13                         |                                                    |
|                 |                | LTE Band 12 | 0.25                     | 0.50                           | 0.50                         |                                                    |
|                 |                | LTE Band 17 |                          |                                |                              |                                                    |
| DTS             |                | WLAN        | 2.4GHz WLAN              | 0.39                           | 0.17                         | 0.17                                               |
| DSS             | 2.4GHz Band    | Bluetooth   |                          | 0.07                           |                              | 1.46                                               |

This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg) specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-1992, and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2013 and FCC KDB publications

## **2. Administration Data**

| Testing Laboratory |                                                                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Site          | SPORTON INTERNATIONAL INC.                                                                                                                       |
| Test Site Location | No.52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Taoyuan City, Taiwan (R.O.C.)<br>TEL: +886-3-327-3456<br>FAX: +886-3-328-4978 |

| Applicant    |                                                     |
|--------------|-----------------------------------------------------|
| Company Name | Motorola Mobility LLC.                              |
| Address      | 222 W. Merchandise Mart Plaza, Chicago IL 60654 USA |

| Manufacturer |                                                     |
|--------------|-----------------------------------------------------|
| Company Name | Motorola Mobility LLC.                              |
| Address      | 222 W. Merchandise Mart Plaza, Chicago IL 60654 USA |

## **3. Guidance Standard**

The Specific Absorption Rate (SAR) testing specification, method, and procedure for this device is in accordance with the following standards:

- FCC 47 CFR Part 2 (2.1093)
- ANSI/IEEE C95.1-1992
- IEEE 1528-2013
- FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04
- FCC KDB 865664 D02 SAR Reporting v01r02
- FCC KDB 447498 D01 General RF Exposure Guidance v06
- FCC KDB 648474 D04 SAR Evaluation Considerations for Wireless Handsets v01r03
- FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02
- FCC KDB 941225 D01 3G SAR Procedures v03r01
- FCC KDB 941225 D05 SAR for LTE Devices v02r05
- FCC KDB 941225 D06 Hotspot Mode SAR v02r01



#### 4. Equipment Under Test (EUT) Information

| Product Feature & Specification         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Equipment Name                          | Mobile Cellular Phone                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Brand Name                              | Motorola                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Model Name                              | 7975                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| FCC ID                                  | IHDT56VD1                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| IMEI Code                               | 354140070005232                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Wireless Technology and Frequency Range | GSM850: 824.2 MHz ~ 848.8 MHz<br>GSM1900: 1850.2 MHz ~ 1909.8 MHz<br>WCDMA Band II: 1852.4 MHz ~ 1907.6 MHz<br>WCDMA Band IV: 1712.4 MHz ~ 1752.6 MHz<br>WCDMA Band V: 826.4 MHz ~ 846.6 MHz<br>LTE Band 2: 1850 MHz ~ 1910 MHz<br>LTE Band 4: 1710 MHz ~ 1755 MHz<br>LTE Band 5: 824 MHz ~ 849 MHz<br>LTE Band 7: 2500 MHz ~ 2570 MHz<br>LTE Band 12: 699 MHz ~ 716 MHz<br>LTE Band 17: 704 MHz ~ 716 MHz<br>WLAN 2.4GHz Band: 2412 MHz ~ 2462 MHz<br>Bluetooth: 2402 MHz ~ 2480 MHz |
| Mode                                    | <ul style="list-style-type: none"><li>· GSM/GPRS/EGPRS</li><li>· RMC/AMR 12.2Kbps</li><li>· HSDPA</li><li>· HSUPA</li><li>· DC-HSDPA</li><li>· LTE: QPSK, 16QAM</li><li>· 802.11b/g/n HT20</li><li>· Bluetooth EDR/LE</li></ul>                                                                                                                                                                                                                                                       |
| HW Version                              | DVT2-A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| SW Version                              | fastboot_harpia_oem_userdebug_6.0.1_MPI24.223_2173_intcfg-test-keys_oem.tar.gz                                                                                                                                                                                                                                                                                                                                                                                                        |
| GSM / (E)GPRS Transfer mode             | Class B – EUT cannot support Packet Switched and Circuit Switched Network simultaneously but can automatically switch between Packet and Circuit Switched Network.                                                                                                                                                                                                                                                                                                                    |
| EUT Stage                               | Identical Prototype                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## 5. Re-use of Measured Data

### 1. Introduction Section

This application re-uses data collected on a similar device. The subject device of this application (Model 7975, FCC ID IHDT56VD1) is electrically identical to the reference device (Model 7383, FCC ID IHDT56VD4) for the portions of the circuitry corresponding to the data being re-used, as treated by KDB Publication 178919 D01.

### 2. Difference Section

For details concerning the similarity with respect to component placement, mechanical/electrical design etc., please refer to the Operational Description.

The re-used SAR data includes the following bands provided in Appendix B (Sporton SAR Report No. FA651006 for the reference device Model 7383, FCC ID IHDT56VD4):

- GSM850/1900, WCDMA B2/B4/B5, LTE B2/B4/B5/B7/B12/B17, 2.4GHz WLAN and Bluetooth.

### 3. Spot Check Verification Data Section

In order to confirm hardware similarity of the subject device with the reference device, spot check measurements were performed on the subject device for SAR, the test result were consistent with FCC ID IHDT56VD4.

Assertions concerning the similarity of these devices are based on representations by the applicant. The applicant accepts full responsibility for the validity of the similarity claim, and for the determination that verification test data are sufficient to support it.

### 4. Reference detail Section:

| Equipment Class | Reference FCC ID | Folder Test/RF Exposure | Report Title/Section    |
|-----------------|------------------|-------------------------|-------------------------|
| PCE             | IHDT56VD4        | RF Exposure (FA651006)  | All sections applicable |
| DTS             | IHDT56VD4        | RF Exposure (FA651006)  | All sections applicable |
| DSS             | IHDT56VD4        | RF Exposure (FA651006)  | All sections applicable |

## 6. Simultaneous Transmission Analysis

| NO. | Simultaneous Transmission Configurations | Portable Handset |           |         |
|-----|------------------------------------------|------------------|-----------|---------|
|     |                                          | Head             | Body-worn | Hotspot |
| 1.  | GSM Voice + WLAN2.4GHz                   | Yes              | Yes       |         |
| 2.  | GPRS/EDGE + WLAN2.4GHz                   | Yes              | Yes       | Yes     |
| 3.  | WCDMA + WLAN2.4GHz                       | Yes              | Yes       | Yes     |
| 4.  | LTE + WLAN2.4GHz                         | Yes              | Yes       | Yes     |
| 5.  | GSM Voice + Bluetooth                    |                  | Yes       |         |
| 6.  | GPRS/EDGE + Bluetooth                    |                  | Yes       |         |
| 7.  | WCDMA+ Bluetooth                         |                  | Yes       |         |
| 8.  | LTE + Bluetooth                          |                  | Yes       |         |

**General Note:**

5. This device 2.4GHz WLAN supports Hotspot operation and WiFi Direct (Group Client / Group Owner).
6. The worst case WLAN reported SAR for each configuration was used for SAR summation. Therefore, the following summations represent the absolute worst cases for simultaneous transmission with WLAN.
7. 2.4GHz WLAN and Bluetooth cannot transmit simultaneously.
8. The Scaled SAR summation is calculated based on the same configuration and test position.
9. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
  - i) Scalar SAR summation  $< 1.6\text{W/kg}$ .
  - ii)  $\text{SPLSR} = (\text{SAR1} + \text{SAR2})^{1.5} / (\text{min. separation distance, mm})$ , and the peak separation distance is determined from the square root of  $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$ , where  $(x1, y1, z1)$  and  $(x2, y2, z2)$  are the coordinates of the extrapolated peak SAR locations in the zoom scan.
  - iii) If  $\text{SPLSR} \leq 0.04$ , simultaneously transmission SAR measurement is not necessary.
  - iv) Simultaneously transmission SAR measurement, and the reported multi-band SAR  $< 1.6\text{W/kg}$ .



**6.1 Head Exposure Conditions**

| WWAN Band |             | Exposure Position | 1                        | 2                               | 1+2<br>Summed<br>1g SAR (W/kg) |
|-----------|-------------|-------------------|--------------------------|---------------------------------|--------------------------------|
|           |             |                   | WWAN<br>1g SAR<br>(W/kg) | 2.4GHz WLAN<br>1g SAR<br>(W/kg) |                                |
| GSM       | GSM850      | Right Cheek       | 0.709                    | 0.179                           | <b>0.89</b>                    |
|           |             | Right Tilted      | 0.311                    | 0.159                           | <b>0.47</b>                    |
|           |             | Left Cheek        | 0.438                    | 0.392                           | <b>0.83</b>                    |
|           |             | Left Tilted       | 0.306                    | 0.318                           | <b>0.62</b>                    |
|           | GSM1900     | Right Cheek       | 0.326                    | 0.179                           | <b>0.51</b>                    |
|           |             | Right Tilted      | 0.187                    | 0.159                           | <b>0.35</b>                    |
|           |             | Left Cheek        | 0.476                    | 0.392                           | <b>0.87</b>                    |
|           |             | Left Tilted       | 0.226                    | 0.318                           | <b>0.54</b>                    |
| WCDMA     | WCDMA II    | Right Cheek       | 0.654                    | 0.179                           | <b>0.83</b>                    |
|           |             | Right Tilted      | 0.316                    | 0.159                           | <b>0.48</b>                    |
|           |             | Left Cheek        | 0.792                    | 0.392                           | <b>1.18</b>                    |
|           |             | Left Tilted       | 0.341                    | 0.318                           | <b>0.66</b>                    |
|           | WCDMA IV    | Right Cheek       | 0.335                    | 0.179                           | <b>0.51</b>                    |
|           |             | Right Tilted      | 0.263                    | 0.159                           | <b>0.42</b>                    |
|           |             | Left Cheek        | 0.707                    | 0.392                           | <b>1.10</b>                    |
|           |             | Left Tilted       | 0.295                    | 0.318                           | <b>0.61</b>                    |
|           | WCDMA V     | Right Cheek       | 0.467                    | 0.179                           | <b>0.65</b>                    |
|           |             | Right Tilted      | 0.314                    | 0.159                           | <b>0.47</b>                    |
|           |             | Left Cheek        | 0.404                    | 0.392                           | <b>0.80</b>                    |
|           |             | Left Tilted       | 0.309                    | 0.318                           | <b>0.63</b>                    |
| LTE       | LTE Band 2  | Right Cheek       | 0.509                    | 0.179                           | <b>0.69</b>                    |
|           |             | Right Tilted      | 0.155                    | 0.159                           | <b>0.31</b>                    |
|           |             | Left Cheek        | 0.669                    | 0.392                           | <b>1.06</b>                    |
|           |             | Left Tilted       | 0.174                    | 0.318                           | <b>0.49</b>                    |
|           | LTE Band 4  | Right Cheek       | 0.363                    | 0.179                           | <b>0.54</b>                    |
|           |             | Right Tilted      | 0.261                    | 0.159                           | <b>0.42</b>                    |
|           |             | Left Cheek        | 0.552                    | 0.392                           | <b>0.94</b>                    |
|           |             | Left Tilted       | 0.247                    | 0.318                           | <b>0.57</b>                    |
|           | LTE Band 5  | Right Cheek       | 0.374                    | 0.179                           | <b>0.55</b>                    |
|           |             | Right Tilted      | 0.230                    | 0.159                           | <b>0.39</b>                    |
|           |             | Left Cheek        | 0.351                    | 0.392                           | <b>0.74</b>                    |
|           |             | Left Tilted       | 0.260                    | 0.318                           | <b>0.58</b>                    |
|           | LTE Band 7  | Right Cheek       | 0.254                    | 0.179                           | <b>0.43</b>                    |
|           |             | Right Tilted      | 0.249                    | 0.159                           | <b>0.41</b>                    |
|           |             | Left Cheek        | 0.739                    | 0.392                           | <b>1.13</b>                    |
|           |             | Left Tilted       | 0.160                    | 0.318                           | <b>0.48</b>                    |
|           | LTE Band 12 | Right Cheek       | 0.247                    | 0.179                           | <b>0.43</b>                    |
|           |             | Right Tilted      | 0.172                    | 0.159                           | <b>0.33</b>                    |
|           |             | Left Cheek        | 0.249                    | 0.392                           | <b>0.64</b>                    |
|           |             | Left Tilted       | 0.173                    | 0.318                           | <b>0.49</b>                    |

**6.2 Hotspot Exposure Conditions**

| WWAN Band |          | Exposure Position | 1                | 2                | 1+2<br>Summed<br>1g SAR (W/kg) |
|-----------|----------|-------------------|------------------|------------------|--------------------------------|
|           |          |                   | WWAN             | 2.4GHz WLAN      |                                |
|           |          |                   | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg) |                                |
| GSM       | GSM850   | Front             | 0.693            | 0.111            | <b>0.80</b>                    |
|           |          | Back              | 0.917            | 0.174            | <b>1.09</b>                    |
|           |          | Left side         | 0.778            |                  | <b>0.78</b>                    |
|           |          | Right side        | 0.764            | 0.097            | <b>0.86</b>                    |
|           |          | Top side          |                  | 0.105            | <b>0.11</b>                    |
|           |          | Bottom side       | 0.068            |                  | <b>0.07</b>                    |
|           | GSM1900  | Front             | 0.684            | 0.111            | <b>0.80</b>                    |
|           |          | Back              | 0.980            | 0.174            | <b>1.15</b>                    |
|           |          | Left side         | 0.454            |                  | <b>0.45</b>                    |
|           |          | Right side        | 0.326            | 0.097            | <b>0.42</b>                    |
|           |          | Top side          |                  | 0.105            | <b>0.11</b>                    |
|           |          | Bottom side       | 0.311            |                  | <b>0.31</b>                    |
| WCDMA     | WCDMA II | Front             | 1.191            | 0.111            | <b>1.30</b>                    |
|           |          | Back              | 1.366            | 0.174            | <b>1.54</b>                    |
|           |          | Left side         | 0.691            |                  | <b>0.69</b>                    |
|           |          | Right side        | 0.549            | 0.097            | <b>0.65</b>                    |
|           |          | Top side          |                  | 0.105            | <b>0.11</b>                    |
|           |          | Bottom side       | 0.472            |                  | <b>0.47</b>                    |
|           | WCDMA IV | Front             | 0.995            | 0.111            | <b>1.11</b>                    |
|           |          | Back              | 1.397            | 0.174            | <b>1.57</b>                    |
|           |          | Left side         | 0.420            |                  | <b>0.42</b>                    |
|           |          | Right side        | 0.215            | 0.097            | <b>0.31</b>                    |
|           |          | Top side          |                  | 0.105            | <b>0.11</b>                    |
|           |          | Bottom side       | 0.377            |                  | <b>0.38</b>                    |
|           | WCDMA V  | Front             | 0.549            | 0.111            | <b>0.66</b>                    |
|           |          | Back              | 0.720            | 0.174            | <b>0.89</b>                    |
|           |          | Left side         | 0.637            |                  | <b>0.64</b>                    |
|           |          | Right side        | 0.669            | 0.097            | <b>0.77</b>                    |
|           |          | Top side          |                  | 0.105            | <b>0.11</b>                    |
|           |          | Bottom side       | 0.080            |                  | <b>0.08</b>                    |

| WWAN Band |             | Exposure Position | 1                | 2                | 1+2<br>Summed<br>1g SAR (W/kg) |
|-----------|-------------|-------------------|------------------|------------------|--------------------------------|
|           |             |                   | WWAN             | 2.4GHz WLAN      |                                |
|           |             |                   | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg) |                                |
| LTE       | LTE Band 2  | Front             | 1.018            | 0.111            | 1.13                           |
|           |             | Back              | 1.166            | 0.174            | 1.34                           |
|           |             | Left side         | 0.425            |                  | 0.43                           |
|           |             | Right side        | 0.398            | 0.097            | 0.50                           |
|           |             | Top side          |                  | 0.105            | 0.11                           |
|           |             | Bottom side       | 0.396            |                  | 0.40                           |
|           | LTE Band 4  | Front             | 0.859            | 0.111            | 0.97                           |
|           |             | Back              | 1.299            | 0.174            | 1.47                           |
|           |             | Left side         | 0.393            |                  | 0.39                           |
|           |             | Right side        | 0.210            | 0.097            | 0.31                           |
|           |             | Top side          |                  | 0.105            | 0.11                           |
|           |             | Bottom side       | 0.368            |                  | 0.37                           |
|           | LTE Band 5  | Front             | 0.490            | 0.111            | 0.60                           |
|           |             | Back              | 0.605            | 0.174            | 0.78                           |
|           |             | Left side         | 0.563            |                  | 0.56                           |
|           |             | Right side        | 0.596            | 0.097            | 0.69                           |
|           |             | Top side          |                  | 0.105            | 0.11                           |
|           |             | Bottom side       | 0.062            |                  | 0.06                           |
|           | LTE Band 7  | Front             | 0.860            | 0.111            | 0.97                           |
|           |             | Back              | 1.134            | 0.174            | 1.31                           |
|           |             | Left side         | 0.438            |                  | 0.44                           |
|           |             | Right side        | 0.095            | 0.097            | 0.19                           |
|           |             | Top side          |                  | 0.105            | 0.11                           |
|           |             | Bottom side       | 0.795            |                  | 0.80                           |
|           | LTE Band 12 | Front             | 0.359            | 0.111            | 0.47                           |
|           |             | Back              | 0.497            | 0.174            | 0.67                           |
|           |             | Left side         | 0.257            |                  | 0.26                           |
|           |             | Right side        | 0.272            | 0.097            | 0.37                           |
|           |             | Top side          |                  | 0.105            | 0.11                           |
|           |             | Bottom side       | 0.057            |                  | 0.06                           |



### 6.3 Body-Worn Accessory Exposure Conditions

| WWAN Band |             | Exposure Position | 1                | 2                | 3                | 1+2<br>Summed<br>1g SAR (W/kg) | 1+3<br>Summed<br>1g SAR (W/kg) |
|-----------|-------------|-------------------|------------------|------------------|------------------|--------------------------------|--------------------------------|
|           |             |                   | WWAN             | 2.4GHz WLAN      | Bluetooth        |                                |                                |
|           |             |                   | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg) |                                |                                |
| GSM       | GSM850      | Front             | 0.693            | 0.111            | 0.015            | <b>0.80</b>                    | <b>0.71</b>                    |
|           |             | Back              | 0.917            | 0.174            | 0.067            | <b>1.09</b>                    | <b>0.98</b>                    |
|           | GSM1900     | Front             | 0.684            | 0.111            | 0.015            | <b>0.80</b>                    | <b>0.70</b>                    |
|           |             | Back              | 0.980            | 0.174            | 0.067            | <b>1.15</b>                    | <b>1.05</b>                    |
| WCDMA     | WCDMA II    | Front             | 1.191            | 0.111            | 0.015            | <b>1.30</b>                    | <b>1.21</b>                    |
|           |             | Back              | 1.366            | 0.174            | 0.067            | <b>1.54</b>                    | <b>1.43</b>                    |
|           |             | Back with Headset | 1.312            | 0.174            | 0.067            | <b>1.49</b>                    | <b>1.38</b>                    |
|           | WCDMA IV    | Front             | 0.995            | 0.111            | 0.015            | <b>1.11</b>                    | <b>1.01</b>                    |
|           |             | Back              | 1.397            | 0.174            | 0.067            | <b>1.57</b>                    | <b>1.46</b>                    |
|           |             | Back with Headset | 1.391            | 0.174            | 0.067            | <b>1.57</b>                    | <b>1.46</b>                    |
|           | WCDMA V     | Front             | 0.549            | 0.111            | 0.015            | <b>0.66</b>                    | <b>0.56</b>                    |
|           |             | Back              | 0.720            | 0.174            | 0.067            | <b>0.89</b>                    | <b>0.79</b>                    |
| LTE       | LTE Band 2  | Front             | 1.018            | 0.111            | 0.015            | <b>1.13</b>                    | <b>1.03</b>                    |
|           |             | Back              | 1.166            | 0.174            | 0.067            | <b>1.34</b>                    | <b>1.23</b>                    |
|           | LTE Band 4  | Front             | 0.859            | 0.111            | 0.015            | <b>0.97</b>                    | <b>0.87</b>                    |
|           |             | Back              | 1.299            | 0.174            | 0.067            | <b>1.47</b>                    | <b>1.37</b>                    |
|           |             | Back with Headset | 1.243            | 0.174            | 0.067            | <b>1.42</b>                    | <b>1.31</b>                    |
|           | LTE Band 5  | Front             | 0.490            | 0.111            | 0.015            | <b>0.60</b>                    | <b>0.51</b>                    |
|           |             | Back              | 0.605            | 0.174            | 0.067            | <b>0.78</b>                    | <b>0.67</b>                    |
|           | LTE Band 7  | Front             | 0.860            | 0.111            | 0.015            | <b>0.97</b>                    | <b>0.88</b>                    |
|           |             | Back              | 1.134            | 0.174            | 0.067            | <b>1.31</b>                    | <b>1.20</b>                    |
|           | LTE Band 12 | Front             | 0.359            | 0.111            | 0.015            | <b>0.47</b>                    | <b>0.37</b>                    |
|           |             | Back              | 0.497            | 0.174            | 0.067            | <b>0.67</b>                    | <b>0.56</b>                    |

## **7. References**

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