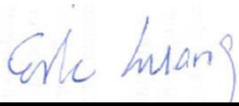


# FCC SAR Test Report

APPLICANT : Motorola Mobility LLC  
EQUIPMENT : Mobile Cellular Phone  
BRAND NAME : Motorola  
MODEL NAME : XT1929-5  
MARKETING NAME : Moto Z3 Play  
FCC ID : IHDT56XE5  
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 / Manager



Approved by: Jones Tsai / Manager



**SPORTON INTERNATIONAL INC.**

No.52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Taoyuan City, Taiwan (R.O.C.)



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Appendix A. Reference Report 1

Appendix B. Reference Report 2



## Revision History

| REPORT NO.  | VERSION | DESCRIPTION             | ISSUED DATE   |
|-------------|---------|-------------------------|---------------|
| FA811821-04 | Rev. 01 | Initial issue of report | Mar. 28, 2018 |
|             |         |                         |               |
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|             |         |                         |               |

## 1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for Motorola Mobility LLC, Mobile Cellular Phone, XT1929-5, are as follows.

| Equipment Class | Frequency Band | Highest SAR Summary      |                               |                             | Product Specific<br>(Separation 0mm)<br>10g SAR (W/kg) | Highest Simultaneous Transmission<br>1g SAR (W/kg) |
|-----------------|----------------|--------------------------|-------------------------------|-----------------------------|--------------------------------------------------------|----------------------------------------------------|
|                 |                | Head<br>(Separation 0mm) | Body-worn<br>(Separation 5mm) | Hotspot<br>(Separation 5mm) |                                                        |                                                    |
|                 |                | 1g SAR (W/kg)            |                               |                             |                                                        |                                                    |
| Licensed        | GSM850         | 0.18                     | 0.68                          | 0.68                        |                                                        | 1.59                                               |
|                 | GSM1900        | 0.13                     | 1.15                          | 1.14                        | 1.38                                                   |                                                    |
|                 | WCDMA II       | 0.28                     | 1.18                          | 1.12                        | 3.02                                                   |                                                    |
|                 | WCDMA V        | 0.41                     | 0.90                          | 0.90                        |                                                        |                                                    |
|                 | LTE Band 5     | 0.36                     | 0.92                          | 0.92                        |                                                        |                                                    |
|                 | LTE Band 7     | 0.80                     | 1.10                          | 1.10                        | 3.19                                                   |                                                    |
| DTS             | 2.4GHz WLAN    | 1.12                     | 0.80                          | 0.84                        |                                                        | 1.55                                               |
| NII             | 5GHz WLAN      | 1.14                     | 0.74                          | 0.94                        | 0.97                                                   | 1.59                                               |
| DSS             | Bluetooth      | 0.26                     | 0.12                          | 0.16                        |                                                        | 1.28                                               |

This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg for Partial-Body, 4.0 W/kg for Product Specific) 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

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190) and the FCC designation No. TW1190 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC test.

| 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 Applied

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 D05A Rel.10 LTE SAR Test Guidance v01r02
- FCC KDB 941225 D06 Hotspot Mode SAR v02r01

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

### **4.1 General Information**

| Product Feature & Specification         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Equipment Name                          | Mobile Cellular Phone                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Brand Name                              | Motorola                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Model Name                              | XT1929-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Marketing Name                          | Moto Z3 Play                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| FCC ID                                  | IHDT56XE5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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 V: 826.4 MHz ~ 846.6 MHz<br>LTE Band 5: 824.7 MHz ~ 848.3 MHz<br>LTE Band 7: 2502.5 MHz ~ 2567.5 MHz<br>WLAN 2.4GHz Band: 2412 MHz ~ 2462 MHz<br>WLAN 5.2GHz Band: 5180 MHz ~ 5240 MHz<br>WLAN 5.3GHz Band: 5260 MHz ~ 5320 MHz<br>WLAN 5.5GHz Band: 5500 MHz ~ 5720 MHz<br>WLAN 5.8GHz Band: 5745 MHz ~ 5825 MHz<br>Bluetooth: 2402 MHz ~ 2480 MHz<br>NFC : 13.56 MHz |
| Mode                                    | GSM/GPRS/EGPRS<br>RMC/AMR 12.2Kbps<br>HSDPA<br>HSUPA<br>DC-HSDPA<br>LTE: QPSK, 16QAM, 64QAM<br>WLAN 2.4GHz : 802.11b/g/n HT20<br>WLAN 5GHz : 802.11a/n/ac HT20/HT40/VHT20/VHT40/VHT80<br>Bluetooth BR/EDR/LE<br>NFC:ASK                                                                                                                                                                                                                                                                          |

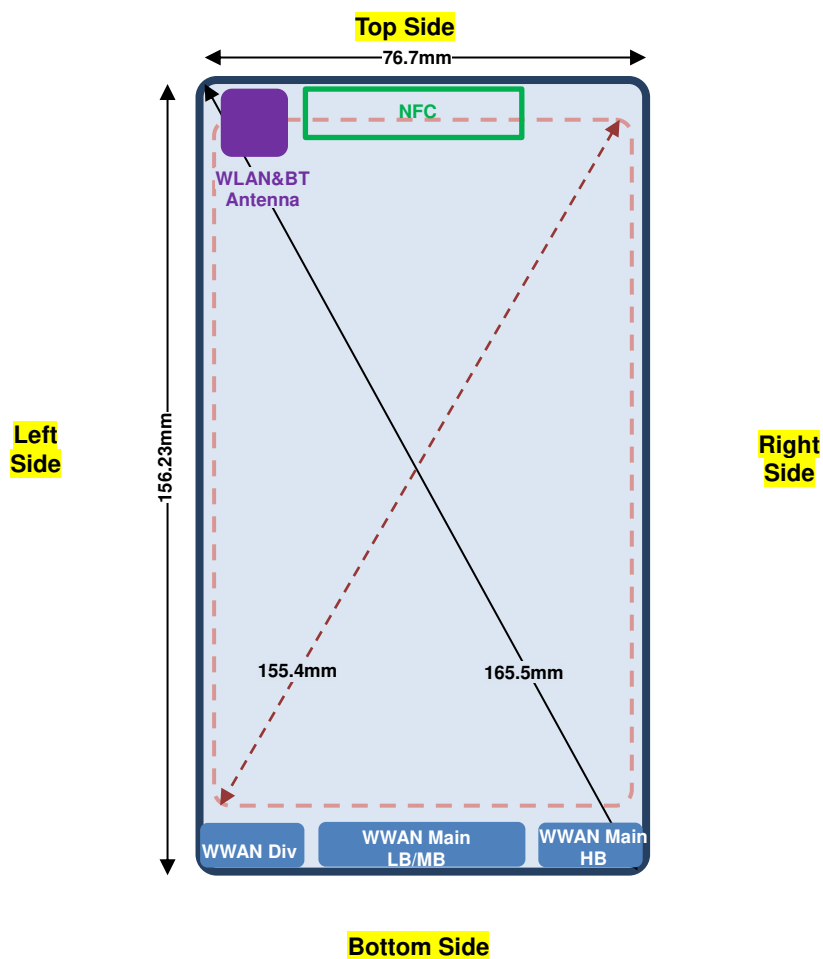
| Product Feature & Specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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---------------------------------------------------------------------------|
| HW Version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DVT2                                                                                                                                                               |
| SW Version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | OPW28.22                                                                                                                                                           |
| 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                                                                                                                                                |
| <b>Remark:</b> <ol style="list-style-type: none"> <li>The IHDT56XE5 has the identical design as IHDT56XE1 on GSM850 / 1900, WCDMA B2 / B5 and LTE B5 /B7. Therefore, these transmitters test result is used in this report to be performed simultaneous transmission analysis and spot checks these transmitters were performed on FCC ID: IHDT56XE5 to ensure that the SAR measurements for both devices are the same, the spot check result refer to section 6</li> <li>The IHDT56XE5 has the identical design as IHDT56XE2 on 2.4GHz WLAN / Bluetooth and 5GHz WLAN. Therefore, these transmitters test result is used in this report to be performed simultaneous transmission analysis and spot checks these transmitters were performed on FCC ID: IHDT56XE5 to ensure that the SAR measurements for both devices are the same, the spot check result refer to section 6</li> <li>This device implements antenna tuning techniques for several WWAN (cellular) operating modes and frequencies for the purpose of improving antenna efficiency over a broad range of frequencies. Specifically, this technique is employed in the GSM, WCDMA and LTE modes but not supports LTE B7. The detail descriptions of the antenna tuner are included in the operational description and supplemental data refer to FCC ID: IHDT56XE1, Report No.: FA811821 section16.</li> <li>This device 2.4GHz / 5.8GHz WLAN supports Hotspot operation.</li> <li>When operating in a call in talk position at the head, the device utilizes the At-Head power table. When operating in a body-worn condition, with proximity of the user's body at the front or back of the device, the device operates in the Body-Worn power table. If neither the At-Head or Body-Worn condition is detected, but the device is operating in WiFi Hotspot mode, the device utilizes the Hotspot power table. When operating in any other radiated condition, the device uses the Default power table.</li> <li>The device employs proximity sensors that detect the presence of the user's body at the front or back faces of the device. The control logic is such that, when this front or back body-worn condition is detected and the device is operating in a mode where on-body operation may be expected, the conducted power is applied in the Body-Worn power table. In this condition (user's body detected at front or back face of the device), the Body-Worn power table is applied regardless whether or not the Wi-Fi hotspot mode is active.</li> <li>Note that the Body-Worn Reduced power tables and detection schemes described above are sufficient to assure that body-worn SAR limits are met, regardless whether the Wi-Fi hotspot feature is active or not. However, because FCC has an additional specific test definition and limit for Wi-Fi hotspot mode operation, the additional Hotspot power table is applied if hand-held operation is indicated (i.e., not At-Head or Body-Worn) when the Wi-Fi hotspot feature is active. This ensures the 4 edges of the device comply with the letter of the Wi-Fi Hotspot requirement.</li> <li>The device additionally employs proximity sensors that detect the presence of tissue near the currently active transmit antenna (if that antenna may require reduced power relative the Default power table in order to meet extremity SAR limits). The control logic is such that, if the Body-Worn, At-Head or WiFi Hotspot conditions are not detected, but tissue (as a finger or hand, for example) is detected near the transmitting antenna, the Handheld Reduced power table will be applied</li> <li>Reduced power for different RF exposure conditions:<br/> Head: If audio is present at the earpiece, the device will reduce output powers on the WLAN transmitter for held-to-ear and detail descriptions of the power reduction mechanism are included in the operational description.<br/> Body worn: The device employs proximity sensors that detect the presence of the user's body at the front or back faces of the device, when operating in near-body condition by end user, the device will reduced maximum output powers on the GSM1900, WCDMA B5 and LTE B5 / B7 transmitter and detail descriptions of the power reduction mechanism are included in the operational description.<br/> Hotspot: When the mobile hotspot session is turn on by end user, the device will reduced output powers on the GSM1900, WCDMA B2 / B5 and LTE B5 / B7 transmitter and detail descriptions of the power reduction mechanism are included in the operational description.<br/> Handheld: The device additionally employs proximity sensors that detect the presence of tissue near the currently active transmit antenna, the device will reduced output powers on the WCDMA B2 and LTE B5 / B7 transmitter and detail descriptions of the power reduction mechanism are included in the operational description.</li> <li>For the sensor trigger test is refer to original report, FCC ID: IHDT56XE1, Report No.: FA811821 section4.3</li> </ol> |                                                                                                                                                                    |

## 4.2 General LTE SAR Test and Reporting Considerations

| Summarized necessary items addressed in KDB 941225 D05 v02r05           |                                                                                                                                                                                                                                                     |                                                               |                  |             |                  |             |                  |             |
|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|------------------|-------------|------------------|-------------|------------------|-------------|
| FCC ID                                                                  | IHDT56XE5                                                                                                                                                                                                                                           |                                                               |                  |             |                  |             |                  |             |
| Equipment Name                                                          | Mobile Cellular Phone                                                                                                                                                                                                                               |                                                               |                  |             |                  |             |                  |             |
| Operating Frequency Range of each LTE transmission band                 | LTE Band 5: 824.7 MHz ~ 848.3 MHz<br>LTE Band 7: 2502.5 MHz ~ 2567.5 MHz                                                                                                                                                                            |                                                               |                  |             |                  |             |                  |             |
| Channel Bandwidth                                                       | LTE Band 05:1.4MHz, 3MHz, 5MHz, 10MHz<br>LTE Band 07: 5MHz, 10MHz, 15MHz, 20MHz                                                                                                                                                                     |                                                               |                  |             |                  |             |                  |             |
| uplink modulations used                                                 | QPSK / 16QAM / 64QAM                                                                                                                                                                                                                                |                                                               |                  |             |                  |             |                  |             |
| LTE Voice / Data requirements                                           | Voice and Data                                                                                                                                                                                                                                      |                                                               |                  |             |                  |             |                  |             |
| LTE MPR permanently built-in by design                                  | Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3                                                                                                                                                                             |                                                               |                  |             |                  |             |                  |             |
|                                                                         | Modulation                                                                                                                                                                                                                                          | Channel bandwidth / Transmission bandwidth (N <sub>RB</sub> ) |                  |             |                  |             |                  | MPR (dB)    |
|                                                                         |                                                                                                                                                                                                                                                     | 1.4 MHz                                                       | 3.0 MHz          | 5 MHz       | 10 MHz           | 15 MHz      | 20 MHz           |             |
|                                                                         | QPSK                                                                                                                                                                                                                                                | > 5                                                           | > 4              | > 8         | > 12             | > 16        | > 18             | ≤ 1         |
|                                                                         | 16 QAM                                                                                                                                                                                                                                              | ≤ 5                                                           | ≤ 4              | ≤ 8         | ≤ 12             | ≤ 16        | ≤ 18             | ≤ 1         |
|                                                                         | 16 QAM                                                                                                                                                                                                                                              | > 5                                                           | > 4              | > 8         | > 12             | > 16        | > 18             | ≤ 2         |
|                                                                         | 64 QAM                                                                                                                                                                                                                                              | ≤ 5                                                           | ≤ 4              | ≤ 8         | ≤ 12             | ≤ 16        | ≤ 18             | ≤ 2         |
|                                                                         | 64 QAM                                                                                                                                                                                                                                              | > 5                                                           | > 4              | > 8         | > 12             | > 16        | > 18             | ≤ 3         |
| 256 QAM                                                                 | ≥ 1                                                                                                                                                                                                                                                 |                                                               |                  |             |                  |             | ≤ 5              |             |
| LTE A-MPR                                                               | In the base station simulator configuration, Network Setting value is set to NS_01 to disable A-MPR during SAR testing and the LTE SAR tests was transmitting on all TTI frames (Maximum TTI)                                                       |                                                               |                  |             |                  |             |                  |             |
| Spectrum plots for RB configuration                                     | A properly configured base station simulator was used for the SAR and power measurement; therefore, spectrum plots for each RB allocation and offset configuration are not included in the SAR report.                                              |                                                               |                  |             |                  |             |                  |             |
| Power reduction applied to satisfy SAR compliance                       | Yes, when operating in hotspot mode or Near-body or Product Specific that LTE B5 / B7 power reduction applied to satisfy SAR compliance.                                                                                                            |                                                               |                  |             |                  |             |                  |             |
| LTE Carrier Aggregation Combinations                                    | Intra-Band possible combinations please refer to FCC ID: IHDT56XE1, Report No.: FA811821, section12.                                                                                                                                                |                                                               |                  |             |                  |             |                  |             |
| LTE Carrier Aggregation Additional Information                          | This device supports maximum of 2 carriers in the downlink in the uplink. Additional following LTE Release features are not supported: Relay, HetNet, Enhanced MIMO, eICI, WiFi Offloading, MDH, eMBMA, Cross-Carrier Scheduling, Enhanced SC-FDMA. |                                                               |                  |             |                  |             |                  |             |
| Transmission (H, M, L) channel numbers and frequencies in each LTE band |                                                                                                                                                                                                                                                     |                                                               |                  |             |                  |             |                  |             |
| LTE Band 5                                                              |                                                                                                                                                                                                                                                     |                                                               |                  |             |                  |             |                  |             |
|                                                                         | Bandwidth 1.4 MHz                                                                                                                                                                                                                                   |                                                               | Bandwidth 3 MHz  |             | Bandwidth 5 MHz  |             | Bandwidth 10 MHz |             |
|                                                                         | Ch. #                                                                                                                                                                                                                                               | Freq. (MHz)                                                   | Ch. #            | Freq. (MHz) | Ch. #            | Freq. (MHz) | Ch. #            | Freq. (MHz) |
| L                                                                       | 20407                                                                                                                                                                                                                                               | 824.7                                                         | 20415            | 825.5       | 20425            | 826.5       | 20450            | 829         |
| M                                                                       | 20525                                                                                                                                                                                                                                               | 836.5                                                         | 20525            | 836.5       | 20525            | 836.5       | 20525            | 836.5       |
| H                                                                       | 20643                                                                                                                                                                                                                                               | 848.3                                                         | 20635            | 847.5       | 20625            | 846.5       | 20600            | 844         |
| LTE Band 7                                                              |                                                                                                                                                                                                                                                     |                                                               |                  |             |                  |             |                  |             |
|                                                                         | Bandwidth 5 MHz                                                                                                                                                                                                                                     |                                                               | Bandwidth 10 MHz |             | Bandwidth 15 MHz |             | Bandwidth 20 MHz |             |
|                                                                         | Ch. #                                                                                                                                                                                                                                               | Freq. (MHz)                                                   | Ch. #            | Freq. (MHz) | Ch. #            | Freq. (MHz) | Ch. #            | Freq. (MHz) |
| L                                                                       | 20775                                                                                                                                                                                                                                               | 2502.5                                                        | 20800            | 2505        | 20825            | 2507.5      | 20850            | 2510        |
| M                                                                       | 21100                                                                                                                                                                                                                                               | 2535                                                          | 21100            | 2535        | 21100            | 2535        | 21100            | 2535        |
| H                                                                       | 21425                                                                                                                                                                                                                                               | 2567.5                                                        | 21400            | 2565        | 21375            | 2562.5      | 21350            | 2560        |

## 5. Antenna Location

<Mobile Phone>



**6. Spot Check Verification Data****<Head Exposure Condition>**

| Band            | Mode              | Test Position | Ch.   | Freq. (MHz) | Original Model      |                     |                        |                        |                        | Spot Check Mode     |                     |                        |                        |                        | Deviation |
|-----------------|-------------------|---------------|-------|-------------|---------------------|---------------------|------------------------|------------------------|------------------------|---------------------|---------------------|------------------------|------------------------|------------------------|-----------|
|                 |                   |               |       |             | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |           |
| GSM850          | GPRS (2 Tx slots) | Left Cheek    | 128   | 824.2       | 30.31               | 32.00               | 1.476                  | 0.123                  | 0.182                  | 30.20               | 32.00               | 1.514                  | 0.114                  | 0.173                  | -4.9%     |
| GSM1900         | GPRS (3 Tx slots) | Right Cheek   | 810   | 1909.8      | 26.87               | 28.00               | 1.297                  | 0.099                  | 0.128                  | 26.37               | 28.00               | 1.455                  | 0.086                  | 0.125                  | -2.5%     |
| WCDMA II        | RMC 12.2Kbps      | Right Cheek   | 9538  | 1907.6      | 22.73               | 23.50               | 1.194                  | 0.233                  | 0.278                  | 22.64               | 23.50               | 1.219                  | 0.187                  | 0.228                  | -18.1%    |
| WCDMA V         | RMC 12.2Kbps      | Left Cheek    | 4132  | 826.4       | 22.64               | 24.00               | 1.368                  | 0.298                  | 0.408                  | 22.51               | 24.00               | 1.409                  | 0.261                  | 0.368                  | -9.8%     |
| LTE Band 5/26   | 15M_QPSK_1_37     | Left Cheek    | 26865 | 831.5       | 22.73               | 24.00               | 1.340                  | 0.269                  | 0.360                  |                     |                     |                        |                        |                        | -14.2%    |
| LTE Band 5      | 10M_QPSK_1_0      | Left Cheek    | 20525 | 836.5       |                     |                     |                        |                        |                        | 22.42               | 24.00               | 1.439                  | 0.215                  | 0.309                  |           |
| LTE Band 7_Main | 20M_QPSK_1_99     | Right Cheek   | 21350 | 2560        | 22.83               | 24.00               | 1.309                  | 0.61                   | 0.799                  | 22.00               | 24.00               | 1.585                  | 0.488                  | 0.773                  | -3.2%     |
| LTE Band 7_Aux  | 20M_QPSK_1_99     | Left Cheek    | 21350 | 2560        | 22.83               | 24.00               | 1.309                  | 0.491                  | 0.643                  | 22.00               | 24.00               | 1.585                  | 0.352                  | 0.558                  | -13.2%    |

| Band       | Mode          | Test Position | Gap (mm) | Ch. | Freq. (MHz) | Original Model      |                     |              |                        |                        | Spot Check Mode     |                     |              |                        |                        | Deviation |
|------------|---------------|---------------|----------|-----|-------------|---------------------|---------------------|--------------|------------------------|------------------------|---------------------|---------------------|--------------|------------------------|------------------------|-----------|
|            |               |               |          |     |             | Average Power (dBm) | Tune-Up Limit (dBm) | Duty Cycle % | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) | Average Power (dBm) | Tune-Up Limit (dBm) | Duty Cycle % | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |           |
| WLAN2.4GHz | 802.11b 1Mbps | Right Cheek   | 0mm      | 11  | 2462        | 16.94               | 18.00               | 95.05        | 0.836                  | 1.123                  | 16.09               | 18.00               | 99.04        | 0.717                  | 1.124                  | 0.1%      |
| WLAN5GHz   | 802.11a 6Mbps | Right Cheek   | 0mm      | 60  | 5300        | 16.43               | 16.50               | 94.98        | 0.855                  | 0.914                  | 16.21               | 16.50               | 94.85        | 0.972                  | 1.095                  | 19.8%     |
| WLAN5GHz   | 802.11a 6Mbps | Right Cheek   | 0mm      | 100 | 5500        | 16.48               | 16.50               | 94.98        | 1.080                  | 1.142                  | 16.45               | 16.50               | 94.85        | 1.120                  | 1.194                  | 4.6%      |
| WLAN5GHz   | 802.11a 6Mbps | Right Cheek   | 0mm      | 165 | 5825        | 16.49               | 16.50               | 94.98        | 0.911                  | 0.961                  | 16.19               | 16.50               | 94.85        | 0.737                  | 0.834                  | -13.1%    |
| Bluetooth  | 1Mbps         | Right Cheek   | 0mm      | 0   | 2402        | 12.26               | 13.00               |              | 0.220                  | 0.261                  | 12.61               | 13.00               |              | 0.249                  | 0.272                  | 4.4%      |

**<Hotspot Exposure Condition>**

| Band            | Mode              | Test Position | Ch.   | Freq. (MHz) | Original Model      |                     |                        |                        |                        | Spot Check Mode     |                     |                        |                        |                        | Deviation |
|-----------------|-------------------|---------------|-------|-------------|---------------------|---------------------|------------------------|------------------------|------------------------|---------------------|---------------------|------------------------|------------------------|------------------------|-----------|
|                 |                   |               |       |             | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |           |
| GSM850          | GPRS (2 Tx slots) | Back          | 128   | 824.2       | 30.31               | 32.00               | 1.476                  | 0.460                  | 0.679                  | 30.20               | 32.00               | 1.514                  | 0.371                  | 0.562                  | -17.3%    |
| GSM1900         | GPRS (3 Tx slots) | Bottom Side   | 810   | 1909.80     | 19.68               | 20.50               | 1.208                  | 0.944                  | 1.140                  | 19.52               | 20.50               | 1.253                  | 0.842                  | 1.055                  | -7.5%     |
| WCDMA II        | RMC 12.2Kbps      | Bottom Side   | 9262  | 1852.4      | 13.95               | 15.50               | 1.429                  | 0.786                  | 1.123                  | 13.50               | 15.50               | 1.585                  | 0.622                  | 0.986                  | -12.2%    |
| WCDMA V         | RMC 12.2Kbps      | Back          | 4233  | 846.6       | 22.15               | 23.50               | 1.365                  | 0.658                  | 0.898                  | 21.63               | 23.50               | 1.538                  | 0.548                  | 0.843                  | -6.1%     |
| LTE Band 5/26   | 15M_QPSK_36_0     | Back          | 26865 | 831.5       | 21.98               | 23.50               | 1.419                  | 0.646                  | 0.917                  |                     |                     |                        |                        |                        | -13.5%    |
| LTE Band 5      | 10M_QPSK_1_0      | Back          | 20525 | 836.5       |                     |                     |                        |                        |                        | 21.74               | 23.50               | 1.500                  | 0.529                  | 0.793                  |           |
| LTE Band 7_Main | 20M_QPSK_50_50    | Back          | 20850 | 2510        | 16.66               | 18.00               | 1.361                  | 0.804                  | 1.095                  | 17.17               | 18.00               | 1.211                  | 0.796                  | 0.964                  | -12.0%    |
| LTE Band 7_Aux  | 20M_QPSK_1_49     | Back          | 21350 | 2560        | 16.85               | 18.00               | 1.303                  | 0.663                  | 0.864                  | 16.85               | 18.00               | 1.303                  | 0.538                  | 0.701                  | -18.9%    |

| Band       | Mode          | Test Position | Gap (mm) | Ch. | Freq. (MHz) | Original Model      |                     |              |                        |                        | Spot Check Mode     |                     |              |                        |                        | Deviation |
|------------|---------------|---------------|----------|-----|-------------|---------------------|---------------------|--------------|------------------------|------------------------|---------------------|---------------------|--------------|------------------------|------------------------|-----------|
|            |               |               |          |     |             | Average Power (dBm) | Tune-Up Limit (dBm) | Duty Cycle % | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) | Average Power (dBm) | Tune-Up Limit (dBm) | Duty Cycle % | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |           |
| WLAN2.4GHz | 802.11b 1Mbps | Left Side     | 5mm      | 6   | 2437        | 18.97               | 19.00               | 98.89        | 0.829                  | 0.844                  | 18.68               | 19.00               | 99.04        | 0.863                  | 0.938                  | 11.2%     |
| WLAN5GHz   | 802.11a 6Mbps | Left Side     | 5mm      | 36  | 5180        | 16.95               | 17.00               | 94.98        | 0.621                  | 0.661                  | 16.95               | 17.00               | 94.85        | 0.740                  | 0.789                  | 19.4%     |
| WLAN5GHz   | 802.11a 6Mbps | Left Side     | 5mm      | 149 | 5745        | 16.94               | 17.00               | 94.98        | 0.882                  | 0.941                  | 16.78               | 17.00               | 94.85        | 0.701                  | 0.777                  | -17.4%    |
| Bluetooth  | 1Mbps         | Left Side     | 5mm      | 0   | 2402        | 12.26               | 13.00               |              | 0.135                  | 0.160                  | 12.61               | 13.00               |              | 0.132                  | 0.144                  | -9.8%     |



**<Body-worn Exposure Condition>**

| Band            | Mode              | Test Position | Ch.   | Freq. (MHz) | Original Model      |                     |                        |                        |                        | Spot Check Mode     |                     |                        |                        |                        | Deviation |
|-----------------|-------------------|---------------|-------|-------------|---------------------|---------------------|------------------------|------------------------|------------------------|---------------------|---------------------|------------------------|------------------------|------------------------|-----------|
|                 |                   |               |       |             | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |           |
| GSM850          | GPRS (2 Tx slots) | Back          | 128   | 824.2       | 30.31               | 32.00               | 1.476                  | 0.460                  | 0.679                  | 30.20               | 32.00               | 1.514                  | 0.371                  | 0.562                  | -17.3%    |
| GSM1900         | GPRS (3 Tx slots) | Back          | 810   | 1909.8      | 21.05               | 21.50               | 1.109                  | 1.04                   | 1.154                  | 20.95               | 21.50               | 1.135                  | 0.936                  | 1.062                  | -7.9%     |
| WCDMA II        | RMC 12.2Kbps      | Front         | 9400  | 1880        | 16.33               | 17.50               | 1.309                  | 0.899                  | 1.177                  | 16.06               | 17.50               | 1.393                  | 0.942                  | 1.312                  | 11.5%     |
| WCDMA V         | RMC 12.2Kbps      | Back          | 4233  | 846.6       | 22.15               | 23.50               | 1.365                  | 0.658                  | 0.898                  | 21.63               | 23.50               | 1.538                  | 0.548                  | 0.843                  | -6.1%     |
| LTE Band 5/26   | 15M_QPSK_36_0     | Back          | 26865 | 831.5       | 21.98               | 23.50               | 1.419                  | 0.646                  | 0.917                  |                     |                     |                        |                        |                        |           |
| LTE Band 5      | 10M_QPSK_1_0      | Back          | 20525 | 836.5       |                     |                     |                        |                        |                        | 21.74               | 23.50               | 1.500                  | 0.529                  | 0.793                  | -13.5%    |
| LTE Band 7_Main | 20M_QPSK_50_50    | Back          | 20850 | 2510        | 16.66               | 18.00               | 1.361                  | 0.804                  | 1.095                  | 17.17               | 18.00               | 1.211                  | 0.796                  | 0.964                  | -12.0%    |
| LTE Band 7_Aux  | 20M_QPSK_1_49     | Back          | 21350 | 2560        | 16.85               | 18.00               | 1.303                  | 0.663                  | 0.864                  | 16.85               | 18.00               | 1.303                  | 0.538                  | 0.701                  | -18.9%    |

| Band       | Mode          | Test Position | Gap (mm) | Ch. | Freq. (MHz) | Original Model      |                     |              |                        |                        | Spot Check Mode     |                     |              |                        |                        | Deviation |
|------------|---------------|---------------|----------|-----|-------------|---------------------|---------------------|--------------|------------------------|------------------------|---------------------|---------------------|--------------|------------------------|------------------------|-----------|
|            |               |               |          |     |             | Average Power (dBm) | Tune-Up Limit (dBm) | Duty Cycle % | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) | Average Power (dBm) | Tune-Up Limit (dBm) | Duty Cycle % | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |           |
| WLAN2.4GHz | 802.11b 1Mbps | Back          | 5mm      | 6   | 2437        | 18.97               | 19.00               | 98.89        | 0.784                  | 0.798                  | 18.68               | 19.00               | 99.04        | 0.700                  | 0.761                  | -4.6%     |
| WLAN5GHz   | 802.11a 6Mbps | Back          | 5mm      | 52  | 5260        | 16.88               | 17.00               | 94.98        | 0.502                  | 0.543                  | 16.95               | 17.00               | 94.85        | 0.522                  | 0.557                  | 2.4%      |
| WLAN5GHz   | 802.11a 6Mbps | Back          | 5mm      | 100 | 5500        | 16.71               | 17.00               | 94.98        | 0.657                  | 0.739                  | 16.96               | 17.00               | 94.85        | 0.592                  | 0.630                  | -14.8%    |
| WLAN5GHz   | 802.11a 6Mbps | Back          | 5mm      | 149 | 5745        | 16.96               | 17.00               | 94.98        | 0.648                  | 0.688                  | 16.78               | 17.00               | 94.85        | 0.519                  | 0.575                  | -16.4%    |
| Bluetooth  | 1Mbps         | Back          | 5mm      | 0   | 2402        | 12.26               | 13.00               |              | 0.103                  | 0.122                  | 12.61               | 13.00               |              | 0.096                  | 0.105                  | -14.0%    |

**<Product Specific Exposure Condition>**

| Band            | Mode              | Test Position | Ch.   | Freq. (MHz) | Original Model      |                     |                        |                         |                         | Spot Check Mode     |                     |                        |                         |                         | Deviation |
|-----------------|-------------------|---------------|-------|-------------|---------------------|---------------------|------------------------|-------------------------|-------------------------|---------------------|---------------------|------------------------|-------------------------|-------------------------|-----------|
|                 |                   |               |       |             | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Measured 10g SAR (W/kg) | Reported 10g SAR (W/kg) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Measured 10g SAR (W/kg) | Reported 10g SAR (W/kg) |           |
| GSM1900         | GPRS (3 Tx slots) | Bottom Side   | 810   | 1909.8      | 26.87               | 28.00               | 1.297                  | 1.060                   | 1.375                   | 26.37               | 28.00               | 1.455                  | 0.891                   | 1.297                   | -5.7%     |
| WCDMA II        | RMC 12.2Kbps      | Bottom Side   | 9262  | 1852.40     | 22.23               | 23.00               | 1.194                  | 2.53                    | 3.021                   | 21.90               | 23.00               | 1.288                  | 1.950                   | 2.512                   | -16.8%    |
| LTE Band 7_Main | 20M_QPSK_1_49     | Right Side    | 21100 | 2535        | 20.84               | 21.50               | 1.164                  | 2.740                   | 3.190                   | 21.01               | 21.50               | 1.119                  | 2.310                   | 2.586                   | -18.9%    |
| LTE Band 7_Aux  | 20M_QPSK_1_49     | Left Side     | 21350 | 2560        | 20.99               | 21.50               | 1.125                  | 2.420                   | 2.722                   | 21.01               | 21.50               | 1.119                  | 2.640                   | 2.955                   | 8.6%      |

| Band     | Mode          | Test Position | Gap (mm) | Ch. | Freq. (MHz) | Original Model      |                     |              |                         |                         | Spot Check Mode     |                     |              |                         |                         | Deviation |
|----------|---------------|---------------|----------|-----|-------------|---------------------|---------------------|--------------|-------------------------|-------------------------|---------------------|---------------------|--------------|-------------------------|-------------------------|-----------|
|          |               |               |          |     |             | Average Power (dBm) | Tune-Up Limit (dBm) | Duty Cycle % | Measured 10g SAR (W/kg) | Reported 10g SAR (W/kg) | Average Power (dBm) | Tune-Up Limit (dBm) | Duty Cycle % | Measured 10g SAR (W/kg) | Reported 10g SAR (W/kg) |           |
| WLAN5GHz | 802.11a 6Mbps | Left Side     | 0mm      | 52  | 5260        | 16.88               | 17.00               | 94.98        | 0.781                   | 0.845                   | 16.84               | 17.00               | 94.85        | 0.840                   | 0.919                   | 8.7%      |
| WLAN5GHz | 802.11a 6Mbps | Left Side     | 0mm      | 100 | 5500        | 16.71               | 17.00               | 94.98        | 0.860                   | 0.967                   | 16.96               | 17.00               | 94.85        | 1.060                   | 1.127                   | 16.5%     |

## 7. Simultaneous Transmission Analysis

| NO. | Simultaneous Transmission Configurations | Portable Handset |           |         |                  |
|-----|------------------------------------------|------------------|-----------|---------|------------------|
|     |                                          | Head             | Body-worn | Hotspot | Product Specific |
| 1.  | GSM Voice + WLAN2.4GHz                   | Yes              | Yes       |         | Yes              |
| 2.  | GPRS/EDGE + WLAN2.4GHz                   | Yes              | Yes       | Yes     | Yes              |
| 3.  | WCDMA + WLAN2.4GHz                       | Yes              | Yes       | Yes     | Yes              |
| 4.  | LTE + WLAN2.4GHz                         | Yes              | Yes       | Yes     | Yes              |
| 5.  | GSM Voice + Bluetooth                    | Yes              | Yes       |         | Yes              |
| 6.  | GPRS/EDGE + Bluetooth                    | Yes              | Yes       | Yes     | Yes              |
| 7.  | WCDMA+ Bluetooth                         | Yes              | Yes       | Yes     | Yes              |
| 8.  | LTE + Bluetooth                          | Yes              | Yes       | Yes     | Yes              |
| 9.  | GSM Voice + WLAN5GHz                     | Yes              | Yes       |         | Yes              |
| 10. | GPRS/EDGE + WLAN5GHz                     | Yes              | Yes       | Yes     | Yes              |
| 11. | WCDMA + WLAN5GHz                         | Yes              | Yes       | Yes     | Yes              |
| 12. | LTE + WLAN5GHz                           | Yes              | Yes       | Yes     | Yes              |

**General Note:**

1. This device WLAN 2.4GHz / 5.2GHz / 5.8GHz supports Hotspot operation and Bluetooth support tethering applications.
2. WLAN and Bluetooth share the same antenna, and cannot transmit simultaneously.
3. EUT will choose either WLAN 2.4GHz or WLAN 5GHz according to the network signal condition; therefore, 2.4GHz WLAN and 5GHz WLAN will not operate simultaneously at any moment.
4. The Scaled SAR summation is calculated based on the same configuration and test position.
5. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
  - i) Scalar SAR summation < 1.6W/kg.
  - ii)  $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$ , 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  $SPLSR \leq 0.04$  for 1g SAR, if  $SPLSR < 0.1$  for 10g SAR, simultaneously transmission SAR measurement is not necessary.
  - iv) Simultaneously transmission SAR measurement, and the reported multi-band SAR < 1.6W/kg.
  - v) The SPLSR calculated results please refer to section 7.5.



### 7.1 Head Exposure Conditions

| WWAN Band |                 | Exposure Position | 1                        | 2                                  | 3                                | 4                             | 1+2                        | 1+3                        | 1+4                        | 1+2<br>SPLSR | 1+2<br>Case No | 1+3<br>SPLSR | 1+3<br>Case No |
|-----------|-----------------|-------------------|--------------------------|------------------------------------|----------------------------------|-------------------------------|----------------------------|----------------------------|----------------------------|--------------|----------------|--------------|----------------|
|           |                 |                   | WWAN<br>1g SAR<br>(W/kg) | 2.4GHz<br>WLAN<br>1g SAR<br>(W/kg) | 5GHz<br>WLAN<br>1g SAR<br>(W/kg) | Bluetooth<br>1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) |              |                |              |                |
| GSM       | GSM850          | Right Cheek       | 0.083                    | 1.123                              | 1.142                            | 0.261                         | 1.206                      | 1.225                      | 0.344                      |              |                |              |                |
|           |                 | Right Tilted      | 0.037                    | 0.627                              | 0.734                            | 0.157                         | 0.664                      | 0.771                      | 0.194                      |              |                |              |                |
|           |                 | Left Cheek        | 0.182                    | 0.317                              | 0.361                            | 0.077                         | 0.499                      | 0.543                      | 0.259                      |              |                |              |                |
|           |                 | Left Tilted       | 0.043                    | 0.326                              | 0.203                            | 0.077                         | 0.369                      | 0.246                      | 0.120                      |              |                |              |                |
|           | GSM1900         | Right Cheek       | 0.128                    | 1.123                              | 1.142                            | 0.261                         | 1.251                      | 1.270                      | 0.389                      |              |                |              |                |
|           |                 | Right Tilted      | 0.032                    | 0.627                              | 0.734                            | 0.157                         | 0.659                      | 0.766                      | 0.189                      |              |                |              |                |
|           |                 | Left Cheek        | 0.065                    | 0.317                              | 0.361                            | 0.077                         | 0.382                      | 0.426                      | 0.142                      |              |                |              |                |
|           |                 | Left Tilted       | 0.051                    | 0.326                              | 0.203                            | 0.077                         | 0.377                      | 0.254                      | 0.128                      |              |                |              |                |
| WCDMA     | WCDMA II        | Right Cheek       | 0.278                    | 1.123                              | 1.142                            | 0.261                         | 1.401                      | 1.420                      | 0.539                      |              |                |              |                |
|           |                 | Right Tilted      | 0.088                    | 0.627                              | 0.734                            | 0.157                         | 0.715                      | 0.822                      | 0.245                      |              |                |              |                |
|           |                 | Left Cheek        | 0.113                    | 0.317                              | 0.361                            | 0.077                         | 0.430                      | 0.474                      | 0.190                      |              |                |              |                |
|           |                 | Left Tilted       | 0.121                    | 0.326                              | 0.203                            | 0.077                         | 0.447                      | 0.324                      | 0.198                      |              |                |              |                |
|           | WCDMA V         | Right Cheek       | 0.309                    | 1.123                              | 1.142                            | 0.261                         | 1.432                      | 1.451                      | 0.570                      |              |                |              |                |
|           |                 | Right Tilted      | 0.137                    | 0.627                              | 0.734                            | 0.157                         | 0.764                      | 0.871                      | 0.294                      |              |                |              |                |
|           |                 | Left Cheek        | 0.408                    | 0.317                              | 0.361                            | 0.077                         | 0.725                      | 0.769                      | 0.485                      |              |                |              |                |
|           |                 | Left Tilted       | 0.146                    | 0.326                              | 0.203                            | 0.077                         | 0.472                      | 0.349                      | 0.223                      |              |                |              |                |
| LTE       | LTE Band 7_Main | Right Cheek       | 0.799                    | 1.123                              | 1.142                            | 0.261                         | 1.922                      | 1.941                      | 1.060                      | 0.03         | Case 1         | 0.02         | Case 1         |
|           |                 | Right Tilted      | 0.389                    | 0.627                              | 0.734                            | 0.157                         | 1.016                      | 1.123                      | 0.546                      |              |                |              |                |
|           |                 | Left Cheek        | 0.348                    | 0.317                              | 0.361                            | 0.077                         | 0.665                      | 0.709                      | 0.425                      |              |                |              |                |
|           |                 | Left Tilted       | 0.423                    | 0.326                              | 0.203                            | 0.077                         | 0.749                      | 0.626                      | 0.500                      |              |                |              |                |
|           | LTE Band 7_Aux  | Right Cheek       | 0.359                    | 1.123                              | 1.142                            | 0.261                         | 1.482                      | 1.501                      | 0.620                      |              |                |              |                |
|           |                 | Right Tilted      | 0.264                    | 0.627                              | 0.734                            | 0.157                         | 0.891                      | 0.998                      | 0.421                      |              |                |              |                |
|           |                 | Left Cheek        | 0.643                    | 0.317                              | 0.361                            | 0.077                         | 0.960                      | 1.004                      | 0.720                      |              |                |              |                |
|           |                 | Left Tilted       | 0.196                    | 0.326                              | 0.203                            | 0.077                         | 0.522                      | 0.399                      | 0.273                      |              |                |              |                |
|           | LTE Band 26     | Right Cheek       | 0.289                    | 1.123                              | 1.142                            | 0.261                         | 1.412                      | 1.431                      | 0.550                      |              |                |              |                |
|           |                 | Right Tilted      | 0.122                    | 0.627                              | 0.734                            | 0.157                         | 0.749                      | 0.856                      | 0.279                      |              |                |              |                |
|           |                 | Left Cheek        | 0.360                    | 0.317                              | 0.361                            | 0.077                         | 0.677                      | 0.721                      | 0.437                      |              |                |              |                |
|           |                 | Left Tilted       | 0.162                    | 0.326                              | 0.203                            | 0.077                         | 0.488                      | 0.365                      | 0.239                      |              |                |              |                |

## 7.2 Hotspot Exposure Conditions

| WWAN Band | Exposure Position | 1                        | 2                                  | 3                                | 4                             | 1+2                        | 1+3                        | 1+4                        | 1+2   | 1+2     | 1+3    | 1+3         |
|-----------|-------------------|--------------------------|------------------------------------|----------------------------------|-------------------------------|----------------------------|----------------------------|----------------------------|-------|---------|--------|-------------|
|           |                   | WWAN<br>1g SAR<br>(W/kg) | 2.4GHz<br>WLAN<br>1g SAR<br>(W/kg) | 5GHz<br>WLAN<br>1g SAR<br>(W/kg) | Bluetooth<br>1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | SPLSR | Case No | SPLSR  | Case No     |
| GSM       | GSM850            | Front                    | 0.359                              | 0.441                            | 0.670                         | 0.090                      | 0.800                      | 1.029                      | 0.449 |         |        |             |
|           |                   | Back                     | 0.679                              | 0.798                            | 0.688                         | 0.122                      | 1.477                      | 1.367                      | 0.801 |         |        |             |
|           |                   | Left side                | 0.244                              | 0.844                            | 0.941                         | 0.160                      | 1.088                      | 1.185                      | 0.404 |         |        |             |
|           |                   | Right side               | 0.145                              |                                  |                               |                            | 0.145                      | 0.145                      | 0.145 |         |        |             |
|           |                   | Top side                 |                                    | 0.155                            | 0.097                         | 0.034                      | 0.155                      | 0.097                      | 0.034 |         |        |             |
|           |                   | Bottom side              | 0.203                              |                                  |                               |                            | 0.203                      | 0.203                      | 0.203 |         |        |             |
|           | GSM1900           | Front                    | 0.773                              | 0.441                            | 0.670                         | 0.090                      | 1.214                      | 1.443                      | 0.863 |         |        |             |
|           |                   | Back                     | 0.750                              | 0.798                            | 0.688                         | 0.122                      | 1.548                      | 1.438                      | 0.872 |         |        |             |
|           |                   | Left side                | 0.027                              | 0.844                            | 0.941                         | 0.160                      | 0.871                      | 0.968                      | 0.187 |         |        |             |
|           |                   | Right side               | 0.075                              |                                  |                               |                            | 0.075                      | 0.075                      | 0.075 |         |        |             |
|           |                   | Top side                 |                                    | 0.155                            | 0.097                         | 0.034                      | 0.155                      | 0.097                      | 0.034 |         |        |             |
| WCDMA     | WCDMA II          | Front                    | 0.794                              | 0.441                            | 0.670                         | 0.090                      | 1.235                      | 1.464                      | 0.884 |         |        |             |
|           |                   | Back                     | 0.667                              | 0.798                            | 0.688                         | 0.122                      | 1.465                      | 1.355                      | 0.789 |         |        |             |
|           |                   | Left side                | 0.024                              | 0.844                            | 0.941                         | 0.160                      | 0.868                      | 0.965                      | 0.184 |         |        |             |
|           |                   | Right side               | 0.073                              |                                  |                               |                            | 0.073                      | 0.073                      | 0.073 |         |        |             |
|           |                   | Top side                 |                                    | 0.155                            | 0.097                         | 0.034                      | 0.155                      | 0.097                      | 0.034 |         |        |             |
|           |                   | Bottom side              | 1.123                              |                                  |                               |                            | 1.123                      | 1.123                      | 1.123 |         |        |             |
|           | WCDMA V           | Front                    | 0.701                              | 0.441                            | 0.670                         | 0.090                      | 1.142                      | 1.371                      | 0.791 |         |        |             |
|           |                   | Back                     | 0.898                              | 0.798                            | 0.688                         | 0.122                      | 1.696                      | 1.586                      | 1.020 | 0.02    | Case 2 |             |
|           |                   | Left side                | 0.440                              | 0.844                            | 0.941                         | 0.160                      | 1.284                      | 1.381                      | 0.600 |         |        |             |
|           |                   | Right side               | 0.286                              |                                  |                               |                            | 0.286                      | 0.286                      | 0.286 |         |        |             |
|           |                   | Top side                 |                                    | 0.155                            | 0.097                         | 0.034                      | 0.155                      | 0.097                      | 0.034 |         |        |             |
| LTE       | LTE Band 7_Main   | Front                    | 0.642                              | 0.441                            | 0.670                         | 0.090                      | 1.083                      | 1.312                      | 0.732 |         |        |             |
|           |                   | Back                     | 1.095                              | 0.798                            | 0.688                         | 0.122                      | 1.893                      | 1.783                      | 1.217 | 0.02    | Case 3 | 0.02 Case 3 |
|           |                   | Left side                |                                    | 0.844                            | 0.941                         | 0.160                      | 0.844                      | 0.941                      | 0.160 |         |        |             |
|           |                   | Right side               | 0.907                              |                                  |                               |                            | 0.907                      | 0.907                      | 0.907 |         |        |             |
|           |                   | Top side                 |                                    | 0.155                            | 0.097                         | 0.034                      | 0.155                      | 0.097                      | 0.034 |         |        |             |
|           | LTE Band 7_Aux    | Front                    | 0.512                              | 0.441                            | 0.670                         | 0.090                      | 0.953                      | 1.182                      | 0.602 |         |        |             |
|           |                   | Back                     | 0.864                              | 0.798                            | 0.688                         | 0.122                      | 1.662                      | 1.552                      | 0.986 | 0.02    | Case 4 |             |
|           |                   | Left side                | 0.569                              | 0.844                            | 0.941                         | 0.160                      | 1.413                      | 1.510                      | 0.729 |         |        |             |
|           |                   | Right side               |                                    |                                  |                               |                            | 0.000                      | 0.000                      | 0.000 |         |        |             |
|           |                   | Top side                 |                                    | 0.155                            | 0.097                         | 0.034                      | 0.155                      | 0.097                      | 0.034 |         |        |             |
|           | LTE Band 26       | Front                    | 0.768                              | 0.441                            | 0.670                         | 0.090                      | 1.209                      | 1.438                      | 0.858 |         |        |             |
|           |                   | Back                     | 0.917                              | 0.798                            | 0.688                         | 0.122                      | 1.715                      | 1.605                      | 1.039 | 0.02    | Case 5 | 0.01 Case 5 |
|           |                   | Left side                | 0.447                              | 0.844                            | 0.941                         | 0.160                      | 1.291                      | 1.388                      | 0.607 |         |        |             |
|           |                   | Right side               | 0.310                              |                                  |                               |                            | 0.310                      | 0.310                      | 0.310 |         |        |             |
|           |                   | Top side                 |                                    | 0.155                            | 0.097                         | 0.034                      | 0.155                      | 0.097                      | 0.034 |         |        |             |
|           |                   | Bottom side              | 0.424                              |                                  |                               |                            | 0.424                      | 0.424                      | 0.424 |         |        |             |

### **7.3 Body-Worn Accessory Exposure Conditions**

| WWAN Band |                 | Exposure Position | 1                        | 2                                  | 3                                | 4                             | 1+2                        | 1+3                        | 1+4                        | 1+2   | 1+2     | 1+3   | 1+3     |
|-----------|-----------------|-------------------|--------------------------|------------------------------------|----------------------------------|-------------------------------|----------------------------|----------------------------|----------------------------|-------|---------|-------|---------|
|           |                 |                   | WWAN<br>1g SAR<br>(W/kg) | 2.4GHz<br>WLAN<br>1g SAR<br>(W/kg) | 5GHz<br>WLAN<br>1g SAR<br>(W/kg) | Bluetooth<br>1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | SPLSR | Case No | SPLSR | Case No |
| GSM       | GSM850          | Front             | 0.359                    | 0.441                              | 0.670                            | 0.090                         | <b>0.800</b>               | <b>1.029</b>               | <b>0.449</b>               |       |         |       |         |
|           |                 | Back              | 0.679                    | 0.798                              | 0.739                            | 0.122                         | <b>1.477</b>               | <b>1.418</b>               | <b>0.801</b>               |       |         |       |         |
|           | GSM1900         | Front             | 1.068                    | 0.441                              | 0.670                            | 0.090                         | <b>1.509</b>               | <b>1.738</b>               | <b>1.158</b>               |       |         | 0.01  | Case 6  |
|           |                 | Back              | 1.154                    | 0.798                              | 0.739                            | 0.122                         | <b>1.952</b>               | <b>1.893</b>               | <b>1.276</b>               | 0.02  | Case 7  | 0.02  | Case 7  |
| WCDMA     | WCDMA II        | Front             | 1.177                    | 0.441                              | 0.670                            | 0.090                         | <b>1.618</b>               | <b>1.847</b>               | <b>1.267</b>               | 0.01  | Case 8  | 0.02  | Case 8  |
|           |                 | Back              | 1.007                    | 0.798                              | 0.739                            | 0.122                         | <b>1.805</b>               | <b>1.746</b>               | <b>1.129</b>               | 0.02  | Case 9  | 0.02  | Case 9  |
|           | WCDMA V         | Front             | 0.701                    | 0.441                              | 0.670                            | 0.090                         | <b>1.142</b>               | <b>1.371</b>               | <b>0.791</b>               |       |         |       |         |
|           |                 | Back              | 0.898                    | 0.798                              | 0.739                            | 0.122                         | <b>1.696</b>               | <b>1.637</b>               | <b>1.020</b>               | 0.02  | Case 10 | 0.01  | Case 10 |
| LTE       | LTE Band 7_Main | Front             | 0.642                    | 0.441                              | 0.670                            | 0.090                         | <b>1.083</b>               | <b>1.312</b>               | <b>0.732</b>               |       |         |       |         |
|           |                 | Back              | 1.095                    | 0.798                              | 0.739                            | 0.122                         | <b>1.893</b>               | <b>1.834</b>               | <b>1.217</b>               | 0.02  | Case 11 | 0.02  | Case 11 |
|           | LTE Band 7_Aux  | Front             | 0.512                    | 0.441                              | 0.670                            | 0.090                         | <b>0.953</b>               | <b>1.182</b>               | <b>0.602</b>               |       |         |       |         |
|           |                 | Back              | 0.864                    | 0.798                              | 0.739                            | 0.122                         | <b>1.662</b>               | <b>1.603</b>               | <b>0.986</b>               | 0.02  | Case 12 | 0.02  | Case 12 |
|           | LTE Band 26     | Front             | 0.768                    | 0.441                              | 0.670                            | 0.090                         | <b>1.209</b>               | <b>1.438</b>               | <b>0.858</b>               |       |         |       |         |
|           |                 | Back              | 0.917                    | 0.798                              | 0.739                            | 0.122                         | <b>1.715</b>               | <b>1.656</b>               | <b>1.039</b>               | 0.02  | Case 13 | 0.01  | Case 13 |

## 7.4 Product Specific Conditions

**Remark:**

- According to KDB 941225 D06 v02r01 and KDB 648474 D04v01r03, for WWAN / 2.4GHz WLAN / Bluetooth and 5GHz WLAN SAR ("—") was excluded, due to transmitting antenna located larger 25mm from that surface or edge and Hotspot SAR was < 1.2W/Kg.

| WWAN Band |                 | Exposure Position | 1              | 2              | 3              | 4              | 1+2 Summed 1g SAR (W/kg) | 1+3 Summed 1g SAR (W/kg) | 1+4 Summed 1g SAR (W/kg) |
|-----------|-----------------|-------------------|----------------|----------------|----------------|----------------|--------------------------|--------------------------|--------------------------|
|           |                 |                   | WWAN           | 2.4GHz WLAN    | 5GHz WLAN      | Bluetooth      |                          |                          |                          |
|           |                 |                   | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg) |                          |                          |                          |
| GSM       | GSM1900         | Front             |                |                | 0.408          |                |                          | 0.408                    |                          |
|           |                 | Back              |                |                | 0.317          |                |                          | 0.317                    |                          |
|           |                 | Left side         |                |                | 0.967          |                |                          | 0.967                    |                          |
|           |                 | Right side        |                |                |                |                |                          |                          |                          |
|           |                 | Top side          |                |                | 0.141          |                |                          | 0.141                    |                          |
|           |                 | Bottom side       | 1.375          |                |                |                | 1.375                    | 1.375                    | 1.375                    |
| WCDMA     | WCDMA II        | Front             |                |                | 0.408          |                |                          | 0.408                    |                          |
|           |                 | Back              |                |                | 0.317          |                |                          | 0.317                    |                          |
|           |                 | Left side         |                |                | 0.967          |                |                          | 0.967                    |                          |
|           |                 | Right side        |                |                |                |                |                          |                          |                          |
|           |                 | Top side          |                |                | 0.141          |                |                          | 0.141                    |                          |
|           |                 | Bottom side       | 3.021          |                |                |                | 3.021                    | 3.021                    | 3.021                    |
| LTE       | LTE Band 7_Main | Front             |                |                | 0.408          |                |                          | 0.408                    |                          |
|           |                 | Back              |                |                | 0.317          |                |                          | 0.317                    |                          |
|           |                 | Left side         |                |                | 0.967          |                |                          | 0.967                    |                          |
|           |                 | Right side        | 3.190          |                |                |                | 3.190                    | 3.190                    | 3.190                    |
|           |                 | Top side          |                |                | 0.141          |                |                          | 0.141                    |                          |
|           |                 | Bottom side       |                |                |                |                |                          |                          |                          |
|           | LTE Band 7_Aux  | Front             |                |                | 0.408          |                |                          | 0.408                    |                          |
|           |                 | Back              |                |                | 0.317          |                |                          | 0.317                    |                          |
|           |                 | Left side         | 2.722          |                | 0.967          |                | 2.722                    | 3.689                    | 2.722                    |
|           |                 | Right side        |                |                |                |                |                          |                          |                          |
|           |                 | Top side          |                |                | 0.141          |                |                          | 0.141                    |                          |
|           |                 | Bottom side       |                |                |                |                |                          |                          |                          |

## 7.5 SPLSR Evaluation and Analysis

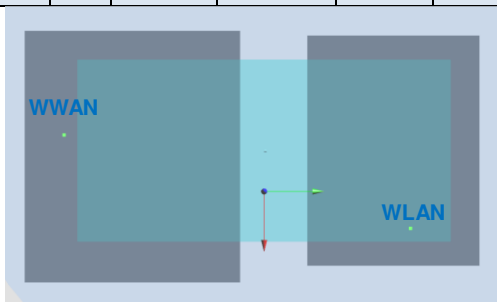
**General Note:**

1.  $SPLSR = (SAR_1 + SAR_2)^{1.5} / (min. \text{ separation distance, mm})$ . If  $SPLSR \leq 0.04$ , simultaneously transmission SAR measurement is not necessary

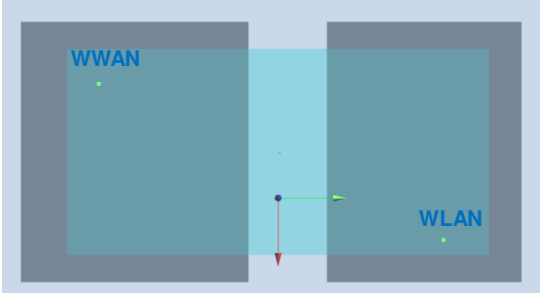
|        | Band       | Position    | SAR (W/kg) | Gap (mm) | SAR peak location (mm) |        |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|--------|------------|-------------|------------|----------|------------------------|--------|-------|------------------|-------------------|---------------|------------------|
|        |            |             |            |          | X                      | Y      | Z     |                  |                   |               |                  |
| Case 1 | LTE Band 7 | Right Cheek | 0.799      | 0        | 49.01                  | 70.41  | 0.35  | 102.9            | 1.92              | 0.03          | Not required     |
|        | WLAN2.4GHz |             | 1.123      | 0        | 19.49                  | -28.2  | -0.78 |                  |                   |               |                  |
|        | LTE Band 7 | Right Cheek | 0.799      | 0        | 49.01                  | 70.41  | 0.35  | 108.7            | 1.94              | 0.02          | Not required     |
|        | WLAN5GHz   |             | 1.142      | 5        | 15.84                  | -33.09 | -0.26 |                  |                   |               |                  |



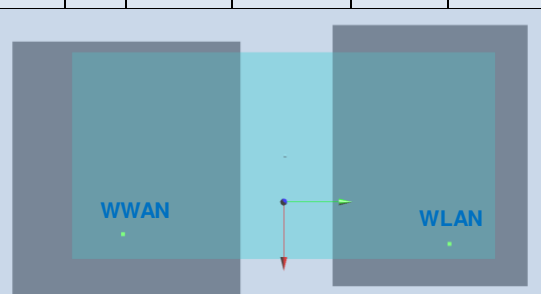
|        | Band       | Position | SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|--------|------------|----------|------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|        |            |          |            |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 2 | WCDMA V    | Back     | 0.898      | 5        | -14                    | -77.7 | -1.32 | 144.9            | 1.70              | 0.02          | Not required     |
|        | WLAN2.4GHz |          | 0.798      | 5        | 32.4                   | 59.6  | -1.23 |                  |                   |               |                  |



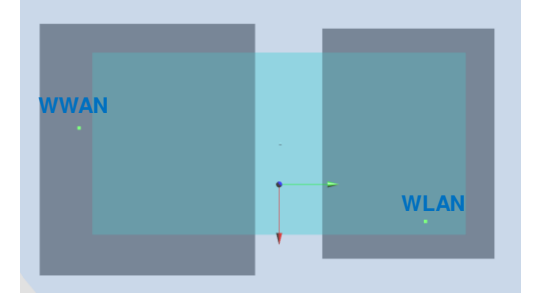
| Case 3 | Band            | Position | SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|--------|-----------------|----------|------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|        |                 |          |            |          | X                      | Y     | Z     |                  |                   |               |                  |
|        | LTE Band 7_Main | Back     | 1.095      | 5        | -28.2                  | -66.2 | -6.03 | 139.7            | 1.89              | 0.02          | Not required     |
|        | WLAN2.4GHz      |          | 0.798      | 5        | 32.4                   | 59.6  | -1.23 |                  |                   |               |                  |
|        | LTE Band 7_Main | Back     | 1.095      | 5        | -28.2                  | -66.2 | -6.03 | 147.5            | 1.78              | 0.02          | Not required     |
|        | WLAN5GHz        |          | 0.688      | 5        | 39.8                   | 64.6  | -0.08 |                  |                   |               |                  |



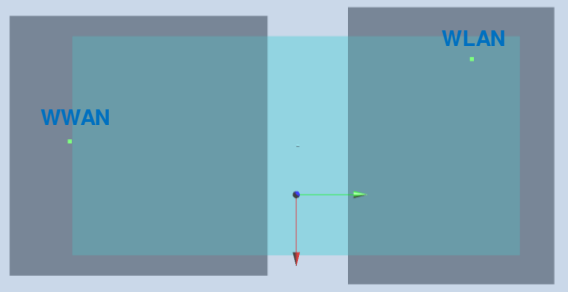
| Case 4 | Band           | Position | SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|--------|----------------|----------|------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|        |                |          |            |          | X                      | Y     | Z     |                  |                   |               |                  |
|        | LTE Band 7_Aux | Back     | 0.864      | 5        | 26.8                   | -60.2 | 0.09  | 119.9            | 1.66              | 0.02          | Not required     |
|        | WLAN2.4GHz     |          | 0.798      | 5        | 32.4                   | 59.6  | -1.23 |                  |                   |               |                  |



| Case 5 | Band        | Position | SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|--------|-------------|----------|------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|        |             |          |            |          | X                      | Y     | Z     |                  |                   |               |                  |
|        | LTE Band 26 | Back     | 0.917      | 5        | -13.9                  | -79.4 | -1.36 | 146.5            | 1.72              | 0.02          | Not required     |
|        | WLAN2.4GHz  |          | 0.798      | 5        | 32.4                   | 59.6  | -1.23 |                  |                   |               |                  |
|        | LTE Band 26 | Back     | 0.917      | 5        | -13.9                  | -79.4 | -1.36 | 153.7            | 1.61              | 0.01          | Not required     |
|        | WLAN5GHz    |          | 0.688      | 5        | 39.8                   | 64.6  | -0.08 |                  |                   |               |                  |

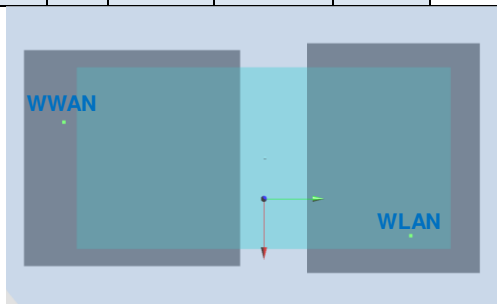


| Case 6 | Band     | Position | SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|--------|----------|----------|------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|        |          |          |            |          | X                      | Y     | Z     |                  |                   |               |                  |
|        | GSM1900  | Front    | 1.068      | 5        | 0.8                    | -81.5 | -1.39 | 157.9            | 1.74              | 0.01          | Not required     |
|        | WLAN5GHz |          | 0.67       | 5        | -33.4                  | 72.6  | -0.45 |                  |                   |               |                  |



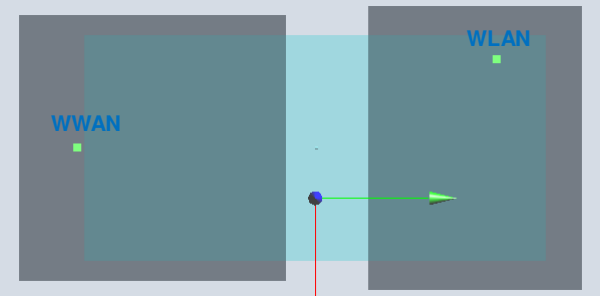
The diagram shows a top-down view of a device with two rectangular regions highlighted in light blue. The left region is labeled 'WWAN' and the right region is labeled 'WLAN'. A green dot is located in the center of the 'WLAN' region, and a red dot is located in the center of the 'WWAN' region. A green arrow points from the red dot to the green dot, indicating the direction of the SAR peak location.

| Case 7 | Band       | Position | SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|--------|------------|----------|------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|        |            |          |            |          | X                      | Y     | Z     |                  |                   |               |                  |
|        | GSM1900    | Back     | 1.154      | 5        | -13.4                  | -81.6 | -1.43 | 148.4            | 1.95              | 0.02          | Not required     |
|        | WLAN2.4GHz |          | 0.798      | 5        | 32.4                   | 59.6  | -1.23 |                  |                   |               |                  |
|        | GSM1900    | Back     | 1.154      | 5        | -13.4                  | -81.6 | -1.43 | 155.8            | 1.89              | 0.02          | Not required     |
|        | WLAN5GHz   |          | 0.739      | 5        | 37                     | 65.8  | -0.2  |                  |                   |               |                  |



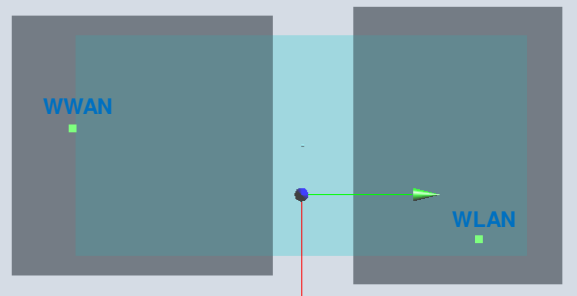
The diagram shows a top-down view of a device with two rectangular regions highlighted in light blue. The left region is labeled 'WWAN' and the right region is labeled 'WLAN'. A green dot is located in the center of the 'WLAN' region, and a red dot is located in the center of the 'WWAN' region. A green arrow points from the red dot to the green dot, indicating the direction of the SAR peak location.

| Case 8 | Band       | Position | SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|--------|------------|----------|------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|        |            |          |            |          | X                      | Y     | Z     |                  |                   |               |                  |
|        | WCDMA II   | Front    | 1.177      | 5        | 2.2                    | -77.9 | -1.72 | 144.5            | 1.62              | 0.01          | Not required     |
|        | WLAN2.4GHz |          | 0.441      | 5        | -34.8                  | 61.8  | -1.61 |                  |                   |               |                  |
|        | WCDMA II   | Front    | 1.177      | 5        | 2.2                    | -77.9 | -1.72 | 154.7            | 1.85              | 0.02          | Not required     |
|        | WLAN5GHz   |          | 0.67       | 5        | -33.4                  | 72.6  | -0.45 |                  |                   |               |                  |

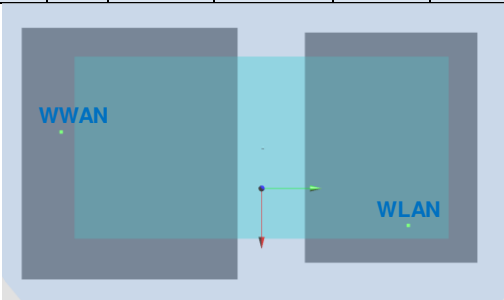


The diagram shows a top-down view of a device with two rectangular regions highlighted in light blue. The left region is labeled 'WWAN' and the right region is labeled 'WLAN'. A green dot is located in the center of the 'WLAN' region, and a red dot is located in the center of the 'WWAN' region. A green arrow points from the red dot to the green dot, indicating the direction of the SAR peak location.

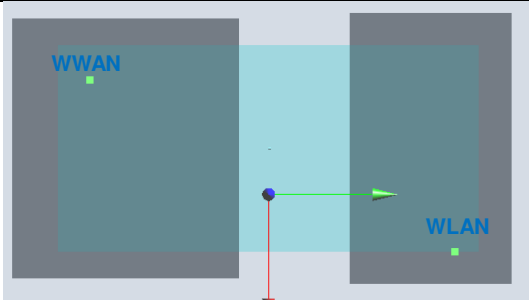
| Case 9 | Band       | Position | SAR (W/kg) | Gap (mm) | SAR peak location (mm) |      |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|--------|------------|----------|------------|----------|------------------------|------|-------|------------------|-------------------|---------------|------------------|
|        |            |          |            |          | X                      | Y    | Z     |                  |                   |               |                  |
|        | WCDMA II   | Back     | 1.007      | 5        | -13.4                  | -78  | -1.78 | 145.0            | 1.81              | 0.02          | Not required     |
|        | WLAN2.4GHz |          | 0.798      | 5        | 32.4                   | 59.6 | -1.23 |                  |                   |               |                  |
|        | WCDMA II   | Back     | 1.007      | 5        | -13.4                  | -78  | -1.78 | 152.4            | 1.75              | 0.02          | Not required     |
|        | WLAN5GHz   |          | 0.739      | 5        | 37                     | 65.8 | -0.2  |                  |                   |               |                  |



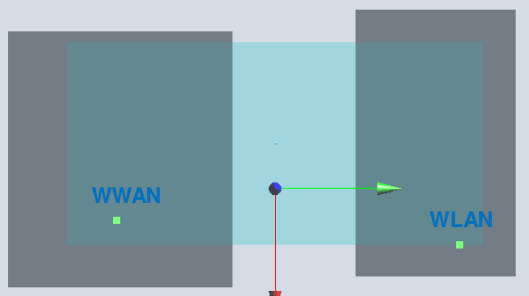
| Case 10 | Band       | Position | SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|---------|------------|----------|------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         |            |          |            |          | X                      | Y     | Z     |                  |                   |               |                  |
|         | WCDMA V    | Back     | 0.898      | 5        | -14                    | -77.7 | -1.32 | 144.9            | 1.70              | 0.02          | Not required     |
|         | WLAN2.4GHz |          | 0.798      | 5        | 32.4                   | 59.6  | -1.23 |                  |                   |               |                  |
|         | WCDMA V    | Back     | 0.898      | 5        | -14                    | -77.7 | -1.32 | 152.3            | 1.64              | 0.01          | Not required     |
|         | WLAN5GHz   |          | 0.739      | 5        | 37                     | 65.8  | -0.2  |                  |                   |               |                  |



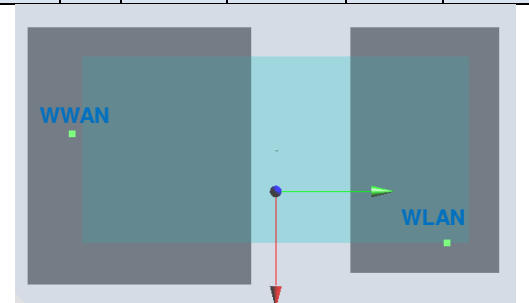
| Case 11 | Band            | Position | SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|---------|-----------------|----------|------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         |                 |          |            |          | X                      | Y     | Z     |                  |                   |               |                  |
|         | LTE Band 7_Main | Back     | 1.095      | 5        | -28.2                  | -66.2 | -6.03 | 139.7            | 1.89              | 0.02          | Not required     |
|         | WLAN2.4GHz      |          | 0.798      | 5        | 32.4                   | 59.6  | -1.23 |                  |                   |               |                  |
|         | LTE Band 7_Main | Back     | 1.095      | 5        | -28.2                  | -66.2 | -6.03 | 147.3            | 1.83              | 0.02          | Not required     |
|         | WLAN5GHz        |          | 0.739      | 5        | 37                     | 65.8  | -0.2  |                  |                   |               |                  |



| Case    | Band           | Position | SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|---------|----------------|----------|---------------|-------------|------------------------|-------|-------|------------------------|-------------------------|------------------|---------------------|
|         |                |          |               |             | X                      | Y     | Z     |                        |                         |                  |                     |
| Case 12 | LTE Band 7_Aux | Back     | 0.864         | 5           | 26.8                   | -60.2 | 0.09  | 119.9                  | 1.66                    | 0.02             | Not required        |
|         | WLAN2.4GHz     |          | 0.798         | 5           | 32.4                   | 59.6  | -1.23 |                        |                         |                  |                     |
|         | LTE Band 7     | Back     | 0.864         | 5           | 26.8                   | -60.2 | 0.09  | 126.4                  | 1.60                    | 0.02             | Not required        |
|         | WLAN5GHz       |          | 0.739         | 5           | 37                     | 65.8  | -0.2  |                        |                         |                  |                     |



| Case    | Band        | Position | SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|---------|-------------|----------|---------------|-------------|------------------------|-------|-------|------------------------|-------------------------|------------------|---------------------|
|         |             |          |               |             | X                      | Y     | Z     |                        |                         |                  |                     |
| Case 13 | LTE Band 26 | Back     | 0.917         | 5           | -13.9                  | -79.4 | -1.36 | 146.5                  | 1.72                    | 0.02             | Not required        |
|         | WLAN2.4GHz  |          | 0.798         | 5           | 32.4                   | 59.6  | -1.23 |                        |                         |                  |                     |
|         | LTE Band 26 | Back     | 0.917         | 5           | -13.9                  | -79.4 | -1.36 | 153.9                  | 1.66                    | 0.01             | Not required        |
|         | WLAN5GHz    |          | 0.739         | 5           | 37                     | 65.8  | -0.2  |                        |                         |                  |                     |



## **8. References**

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