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| <b>DECLARATION OF COMPLIANCE SAR ASSESSMENT PCII Report Part 2 of 2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| <b>Motorola Solutions Inc.</b><br><b>EME Test Laboratory</b><br>Motorola Solutions Malaysia Sdn Bhd<br>Plot 2A, Medan Bayan Lepas,<br>Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Date of Report:</b> 5/4/2021<br><b>Report Revision:</b> A                                                                                                                                                                                                                                 |                                                                                                                                                                         |                              |                             |                       |                             |                       |                                                                                                                   |                      |                         |                         |                                                       |                         |                                         |                           |                  |                       |                  |                            |                                                                                                                                                                          |                        |                                                 |                         |                      |                            |                                            |                          |                         |                        |                         |                        |                         |                           |                   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| <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;"><b>Responsible Engineer:</b></td> <td>Saw Sun Hock (EME Engineer)</td> </tr> <tr> <td><b>Report Author:</b></td> <td>Saw Sun Hock (EME Engineer)</td> </tr> <tr> <td><b>Date/s Tested:</b></td> <td>1/27/2021-1/29/2021, 2/14/2021, 3/1/2021-3/21/2021, 3/27/2021, 4/10/2021-4/13/2021, 4/18/2021-4/19/2021, 5/1/2021</td> </tr> <tr> <td><b>Manufacturer:</b></td> <td>Motorola Solutions Inc.</td> </tr> <tr> <td><b>DUT Description:</b></td> <td>LEX L11 Public Safety Handheld with LTE and 5GHz WiFi</td> </tr> <tr> <td><b>Test TX mode(s):</b></td> <td>LTE, GSM/GPRS, UMTS, WLAN, BT and BT LE</td> </tr> <tr> <td><b>Max. Power output:</b></td> <td>Refer to Table 2</td> </tr> <tr> <td><b>Nominal Power:</b></td> <td>Refer to Table 2</td> </tr> <tr> <td><b>Tx Frequency Bands:</b></td> <td>LTE: FDD B2, B4, B5, B7, B12, B14, B30, B66, B25, B13, B26 and TDD B41; GPRS/EGPRS: 850 and 1900; WCDMA B2, B4 and B5; WLAN : 2.4 GHz and 5GHz; BT &amp; BT LE: 2.4 GHz; NFC</td> </tr> <tr> <td><b>Signaling type:</b></td> <td>TDMA, QPSK, 16 QAM , SC-FDMA, DSSS, OFDM &amp; FHSS</td> </tr> <tr> <td><b>Model(s) Tested:</b></td> <td>HKUN4112B (LEX L11n)</td> </tr> <tr> <td><b>Model(s) Certified:</b></td> <td>HKUN4112B (LEX L11n), HKUN4115B (LEX L11n)</td> </tr> <tr> <td><b>Serial Number(s):</b></td> <td>790TWX2961 &amp; 790TWX2955</td> </tr> <tr> <td><b>Classification:</b></td> <td>Occupational/Controlled</td> </tr> <tr> <td><b>Applicant Name:</b></td> <td>Motorola Solutions Inc.</td> </tr> <tr> <td><b>Applicant Address:</b></td> <td>8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322</td> </tr> <tr> <td><b>FCC ID:</b></td> <td>AZ489FT7104; LTE: FDD B2, B4, B5, B7, B12, B14, B30, B66, B25, B13, B26 and TDD B41; GSM: 850 and 1900; WCDMA B2, B4 and B5; WLAN : 2.4 GHz and 5GHz; BT &amp; BT LE: 2.4 GHz; NFC<br/>This report contains results that are immaterial for FCC equipment approval, which are clearly identified.</td> </tr> <tr> <td><b>IC:</b></td> <td>109U-89FT7104<br/>This report contains results that are immaterial for ISED equipment approval, which are clearly identified.</td> </tr> <tr> <td><b>ISED Test Site registration:</b></td> <td>24843</td> </tr> <tr> <td><b>FCC Test Firm Registration Number:</b></td> <td>823256</td> </tr> </table> <p>The test results clearly demonstrate compliance with FCC Occupational/Controlled RF Exposure limits of 1.6 W/kg averaged over 1 gram per the requirements of FCC 47 CFR § 2.1093 and RSS-102 (Issue 5).</p> <p style="color: blue; font-size: small;">Based on the information and the testing results provided herein, the undersigned certifies that when used as stated in the operating instructions supplied, said product complies with the national and international reference standards and guidelines listed in section 4.0 of this report (no deviation from standard methods). This report shall not be reproduced without written approval from an officially designated representative of the Motorola Solutions Inc EME Laboratory.</p> <p style="color: blue; font-size: small;">I attest to the accuracy of the data and assume full responsibility for the completeness of these measurements. This reporting format is consistent with the suggested guidelines of the TIA TSB-150 December 2004. The results and statements contained in this report pertain only to the device(s) evaluated.</p> |                                                                                                                                                                                                                                                                                              |                                                                                                                                                                         | <b>Responsible Engineer:</b> | Saw Sun Hock (EME Engineer) | <b>Report Author:</b> | Saw Sun Hock (EME Engineer) | <b>Date/s Tested:</b> | 1/27/2021-1/29/2021, 2/14/2021, 3/1/2021-3/21/2021, 3/27/2021, 4/10/2021-4/13/2021, 4/18/2021-4/19/2021, 5/1/2021 | <b>Manufacturer:</b> | Motorola Solutions Inc. | <b>DUT Description:</b> | LEX L11 Public Safety Handheld with LTE and 5GHz WiFi | <b>Test TX mode(s):</b> | LTE, GSM/GPRS, UMTS, WLAN, BT and BT LE | <b>Max. Power output:</b> | Refer to Table 2 | <b>Nominal Power:</b> | Refer to Table 2 | <b>Tx Frequency Bands:</b> | LTE: FDD B2, B4, B5, B7, B12, B14, B30, B66, B25, B13, B26 and TDD B41; GPRS/EGPRS: 850 and 1900; WCDMA B2, B4 and B5; WLAN : 2.4 GHz and 5GHz; BT & BT LE: 2.4 GHz; NFC | <b>Signaling type:</b> | TDMA, QPSK, 16 QAM , SC-FDMA, DSSS, OFDM & FHSS | <b>Model(s) Tested:</b> | HKUN4112B (LEX L11n) | <b>Model(s) Certified:</b> | HKUN4112B (LEX L11n), HKUN4115B (LEX L11n) | <b>Serial Number(s):</b> | 790TWX2961 & 790TWX2955 | <b>Classification:</b> | Occupational/Controlled | <b>Applicant Name:</b> | Motorola Solutions Inc. | <b>Applicant Address:</b> | 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322 | <b>FCC ID:</b> | AZ489FT7104; LTE: FDD B2, B4, B5, B7, B12, B14, B30, B66, B25, B13, B26 and TDD B41; GSM: 850 and 1900; WCDMA B2, B4 and B5; WLAN : 2.4 GHz and 5GHz; BT & BT LE: 2.4 GHz; NFC<br>This report contains results that are immaterial for FCC equipment approval, which are clearly identified. | <b>IC:</b> | 109U-89FT7104<br>This report contains results that are immaterial for ISED equipment approval, which are clearly identified. | <b>ISED Test Site registration:</b> | 24843 | <b>FCC Test Firm Registration Number:</b> | 823256 |
| <b>Responsible Engineer:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| <b>Report Author:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| <b>Date/s Tested:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| <b>Manufacturer:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| <b>DUT Description:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| <b>Test TX mode(s):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| <b>Nominal Power:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| <b>Tx Frequency Bands:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LTE: FDD B2, B4, B5, B7, B12, B14, B30, B66, B25, B13, B26 and TDD B41; GPRS/EGPRS: 850 and 1900; WCDMA B2, B4 and B5; WLAN : 2.4 GHz and 5GHz; BT & BT LE: 2.4 GHz; NFC                                                                                                                     |                                                                                                                                                                         |                              |                             |                       |                             |                       |                                                                                                                   |                      |                         |                         |                                                       |                         |                                         |                           |                  |                       |                  |                            |                                                                                                                                                                          |                        |                                                 |                         |                      |                            |                                            |                          |                         |                        |                         |                        |                         |                           |                                                             |                |                                                                                                                                                                                                                                                                                              |            |                                                                                                                              |                                     |       |                                           |        |
| <b>Signaling type:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| <b>Model(s) Tested:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| <b>Model(s) Certified:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| <b>Serial Number(s):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| <b>Classification:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| <b>Applicant Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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                                                                                                               |                      |                         |                         |                                                       |                         |                                         |                           |                  |                       |                  |                            |                                                                                                                                                                          |                        |                                                 |                         |                      |                            |                                            |                          |                         |                        |                         |                        |                         |                           |                                                             |                |                                                                                                                                                                                                                                                                                              |            |                                                                                                                              |                                     |       |                                           |        |
| <b>Applicant Address:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322                                                                                                                                                                                                                                  |                                                                                                                                                                         |                              |                             |                       |                             |                       |                                                                                                                   |                      |                         |                         |                                                       |                         |                                         |                           |                  |                       |                  |                            |                                                                                                                                                                          |                        |                                                 |                         |                      |                            |                                            |                          |                         |                        |                         |                        |                         |                           |                   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| <b>FCC ID:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | AZ489FT7104; LTE: FDD B2, B4, B5, B7, B12, B14, B30, B66, B25, B13, B26 and TDD B41; GSM: 850 and 1900; WCDMA B2, B4 and B5; WLAN : 2.4 GHz and 5GHz; BT & BT LE: 2.4 GHz; NFC<br>This report contains results that are immaterial for FCC equipment approval, which are clearly identified. |                                                                                                                                                                         |                              |                             |                       |                             |                       |                                                                                                                   |                      |                         |                         |                                                       |                         |                                         |                           |                  |                       |                  |                            |                                                                                                                                                                          |                        |                                                 |                         |                      |                            |                                            |                          |                         |                        |                         |                        |                         |                           |                                                             |                |                                                                                                                                                                                                                                                                                              |            |                                                                                                                              |                                     |       |                                           |        |
| <b>IC:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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                                                                                                               |                      |                         |                         |                                                       |                         |                                         |                           |                  |                       |                  |                            |                                                                                                                                                                          |                        |                                                 |                         |                      |                            |                                            |                          |                         |                        |                         |                        |                         |                           |                   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| <b>ISED Test Site registration:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| <b>FCC Test Firm Registration Number:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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| <b>Saw Sun Hock</b><br><b>(Approved Signatory)</b><br><b>Approval Date:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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## **Appendix D**

### **System Verification Check Scans**

**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/15/2021 9:46:27 AM

Robot#: DASY5-PG-1 | Run#: ZZ(MHI)-SYSP-835H-210315-06  
 Dipole Model# D835V2  
 Phantom#: ELI4 1011  
 Tissue Temp: 20.5 (C)  
 Serial#: 4d030  
 Test Freq: 835.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.057 dB  
 Adjusted SAR (1W): 9.48 mW/g (1g)

**Comments:**

Communication System Band: D835 (835.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.93$  S/m;  $\epsilon_r = 39.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 835 MHz, ConvF(10.38, 10.38, 10.38) @ 835 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x141x1):**

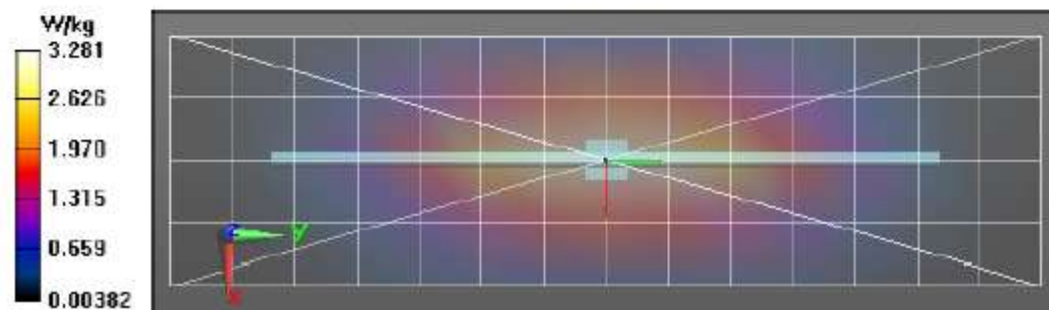
Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
 Reference Value = 61.73 V/m; Power Drift = -0.03 dB  
 Fast SAR: SAR(1 g) = 2.47 W/kg; SAR(10 g) = 1.62 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 3.28 W/kg

**Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$  mm,  $dy=7.5$  mm,  $dz=5$  mm  
 Reference Value = 61.73 V/m; Power Drift = -0.03 dB  
 Peak SAR (extrapolated) = 3.70 W/kg  
 SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.54 W/kg (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below = 20.2 mm  
 Ratio of SAR at M2 to SAR at M1 = 65%  
 Maximum value of SAR (measured) = 3.27 W/kg

**Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

grid:  $dx=20$  mm,  $dy=20$  mm,  $dz=10$  mm  
 Maximum value of SAR (measured) = 3.27 W/kg



**Motorola Solutions, Inc. EME Laboratory**  
**Date/Time: 3/15/2021 3:26:10 PM**

Robot#: DASY5-PG-1 | Run#: ZZ(MHI)-SYSP-1900H-210315-09  
 Dipole Model#: D1900V2  
 Phantom#: ELI4 1028  
 Tissue Temp: 21.4 (C)  
 Serial#: 5d065  
 Test Freq: 1900.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.120 dB  
 Adjusted SAR (1W): 36.48 mW/g (1g)

**Comments:**

Communication System Band: D1900 (1900.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.45$  S/m;  $\epsilon_r = 40.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1900 MHz, ConvF(8.72, 8.72, 8.72) @ 1900 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x81x1):**

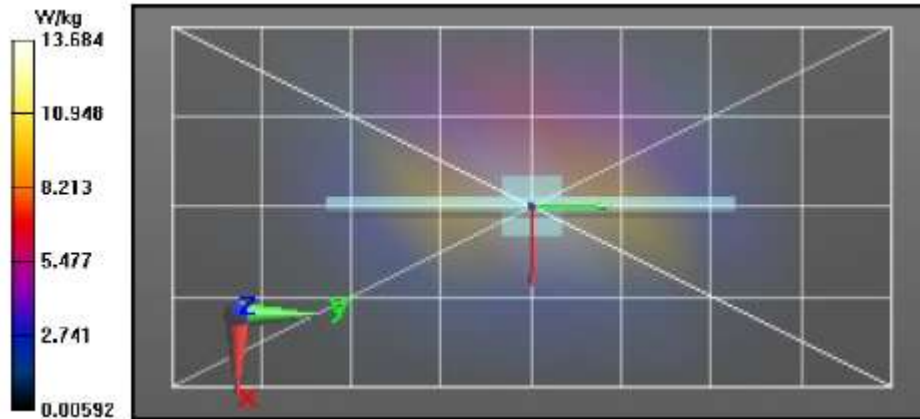
Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
 Reference Value = 103.5 V/m; Power Drift = -0.07 dB  
**Fast SAR: SAR(1 g) = 9.58 W/kg; SAR(10 g) = 4.99 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 14.5 W/kg

**Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$  mm,  $dy=7.5$  mm,  $dz=5$  mm  
 Reference Value = 103.5 V/m; Power Drift = -0.07 dB  
 Peak SAR (extrapolated) = 17.4 W/kg  
**SAR(1 g) = 9.12 W/kg; SAR(10 g) = 4.75 W/kg** (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below = 10.5 mm  
 Ratio of SAR at M2 to SAR at M1 = 53.2%  
 Maximum value of SAR (measured) = 14.5 W/kg

**Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

grid:  $dx=20$  mm,  $dy=20$  mm,  $dz=10$  mm  
 Maximum value of SAR (measured) = 14.5 W/kg



**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/16/2021 4:47:04 AM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-SYSP-1800H-210316-03  
 Dipole Model#: D1800V2  
 Phantom#: SAMTP 1382  
 Tissue Temp: 19.5 (C)  
 Serial#: 278  
 Test Freq: 1800.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.21 dB  
 Adjusted SAR (1W): 37.40 mW/g (1g)

**Comments:**

Communication System Band: D1800 (1800.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.38$  S/m;  $\epsilon_r = 38.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1800 MHz, ConvF(8.79, 8.79, 8.79) @ 1800 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x81x1):**

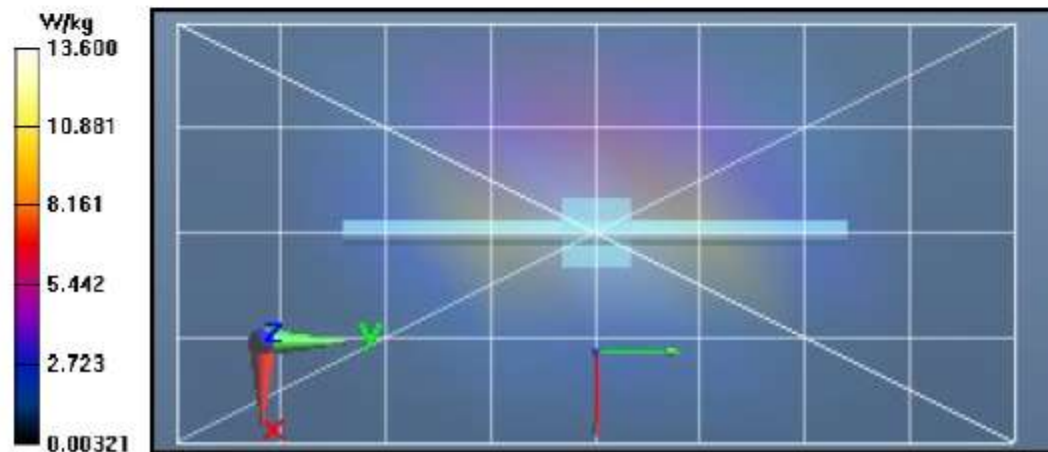
Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
 Reference Value = 106.5 V/m; Power Drift = -0.02 dB  
 Fast SAR: SAR(1 g) = 9.87 W/kg; SAR(10 g) = 5.12 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 14.6 W/kg

**Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm  
 Reference Value = 106.5 V/m; Power Drift = -0.02 dB  
 Peak SAR (extrapolated) = 17.6 W/kg  
 SAR(1 g) = 9.35 W/kg; SAR(10 g) = 4.86 W/kg (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below = 10.5 mm  
 Ratio of SAR at M2 to SAR at M1 = 52.9%  
 Maximum value of SAR (measured) = 14.7 W/kg

**Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

grid:  $dx=20$ mm,  $dy=20$ mm,  $dz=10$ mm  
 Maximum value of SAR (measured) = 14.7 W/kg





**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 4/12/2021 5:09:57 PM

Robot#: DASY5-PG-1 | Run#: MA-SYSP-835H-210412-11  
 Dipole Model#: D835V2  
 Phantom#: ELI4 1011  
 Tissue Temp: 21.0 (C)  
 Serial#: 4d029  
 Test Freq: 835.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.055 dB  
 Adjusted SAR (1W): 9.44 mW/g (1g)

**Comments:**

Communication System Band: D835 (835.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.92$  S/m;  $\epsilon_r = 40.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 835 MHz, ConvF(10.38, 10.38, 10.38) @ 835 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x121x1):**

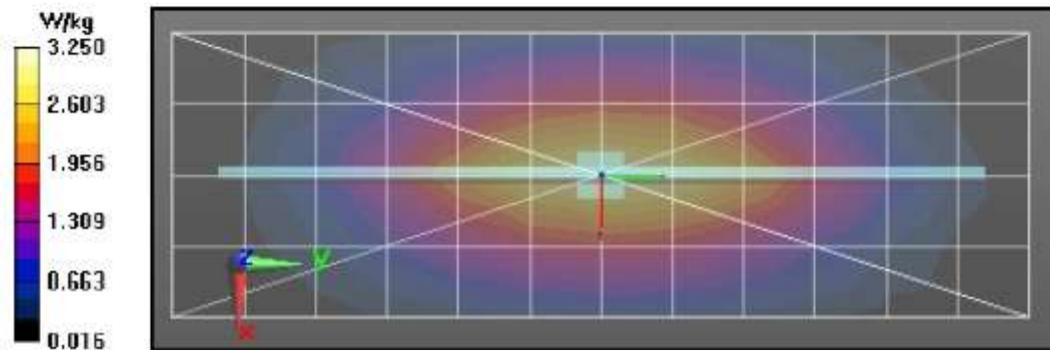
Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
 Reference Value = 61.66 V/m; Power Drift = -0.01 dB  
 Fast SAR: SAR(1 g) = 2.48 W/kg; SAR(10 g) = 1.62 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 3.26 W/kg

**Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm  
 Reference Value = 61.66 V/m; Power Drift = -0.01 dB  
 Peak SAR (extrapolated) = 3.67 W/kg  
 SAR(1 g) = 2.36 W/kg; SAR(10 g) = 1.54 W/kg (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below = 19.2 mm  
 Ratio of SAR at M2 to SAR at M1 = 65%  
 Maximum value of SAR (measured) = 3.23 W/kg

**Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

grid:  $dx=20$ mm,  $dy=20$ mm,  $dz=10$ mm  
 Maximum value of SAR (measured) = 3.26 W/kg



## Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/12/2021 8:26:19 PM

Robot#: DASY5-PG-1 | Run#: AMN(MHI)-SYSP-1900H-210412-12  
 Dipole Model# D1900V2  
 Phantom#: ELI4 1109  
 Tissue Temp: 20.7 (C)  
 Serial#: 5d065  
 Test Freq: 1900.0000(MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.048 dB  
 Adjusted SAR (1W): 38.52 mW/g (1g)

## Comments:

Communication System Band: D1900 (1900.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.39$  S/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1900 MHz, ConvF(8.72, 8.72, 8.72) @ 1900 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x61x1):**

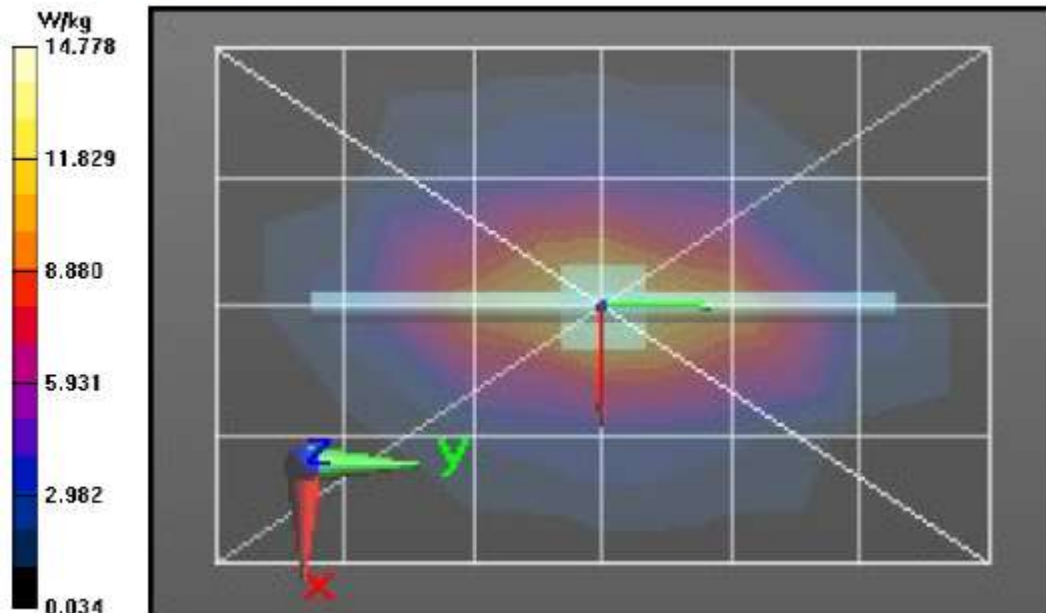
Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
 Reference Value = 106.4 V/m; Power Drift = 0.04 dB  
 Fast SAR: SAR(1 g) = 10 W/kg; SAR(10 g) = 5.04 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 14.9 W/kg

**Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$  mm,  $dy=7.5$  mm,  $dz=5$  mm  
 Reference Value = 106.4 V/m; Power Drift = 0.04 dB  
 Peak SAR (extrapolated) = 17.8 W/kg  
 SAR(1 g) = 9.63 W/kg; SAR(10 g) = 5.02 W/kg (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below = 9.5 mm  
 Ratio of SAR at M2 to SAR at M1 = 54.2%  
 Maximum value of SAR (measured) = 14.6 W/kg

**Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

grid:  $dx=20$  mm,  $dy=20$  mm,  $dz=10$  mm  
 Maximum value of SAR (measured) = 15.0 W/kg



## Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/1/2021 12:27:03 PM

Robot#: DASY5-PG-1 | Run#: BL(MHT)-SYSP-1800H-210501-08  
 Dipole Model#: D1800V2  
 Phantom#: ELI4 1109  
 Tissue Temp: 21.3 (C)  
 Serial#: 278  
 Test Freq: 1800.0000(MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.045 dB  
 Adjusted SAR (1W): 39.60 mW/g (1g)

## Comments:

Communication System Band: D1800 (1800.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.45$  S/m;  $\epsilon_r = 39.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1800 MHz, ConvF(8.79, 8.79, 8.79) @ 1800 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x61x1):**

Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 109.6 V/m; Power Drift = -0.14 dB

Fast SAR: SAR(1 g) = 10.9 W/kg; SAR(10 g) = 5.61 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 16.6 W/kg

**Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$  mm,  $dy=7.5$  mm,  $dz=5$  mm

Reference Value = 109.6 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 19.3 W/kg

SAR(1 g) = 9.9 W/kg; SAR(10 g) = 5.15 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 10.5 mm

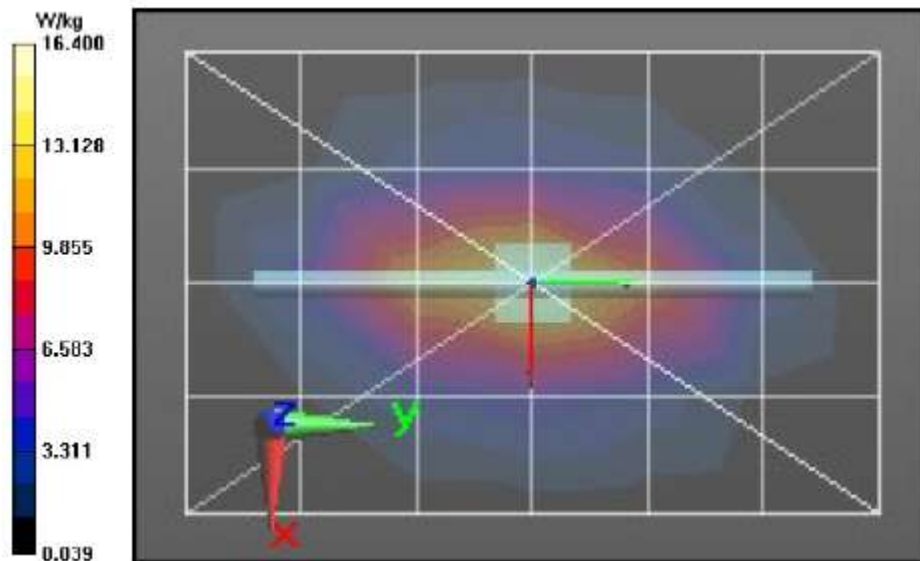
Ratio of SAR at M2 to SAR at M1 = 52.6%

Maximum value of SAR (measured) = 15.8 W/kg

**Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

grid:  $dx=20$  mm,  $dy=20$  mm,  $dz=10$  mm

Maximum value of SAR (measured) = 16.1 W/kg





**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/10/2021 5:32:15 PM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-SYSP-835B-210310-12  
 Dipole Model#: D835V2  
 Phantom#: ELI4 1090  
 Tissue Temp: 19.6 (C)  
 Serial#: 4d030  
 Test Freq: 835.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.085 dB  
 Adjusted SAR (1W): 10.08 mW/g (1g)

**Comments:**

Communication System Band: D835 (835.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.98$  S/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 835 MHz, ConvF(10.54, 10.54, 10.54) @ 835 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x131x1):**

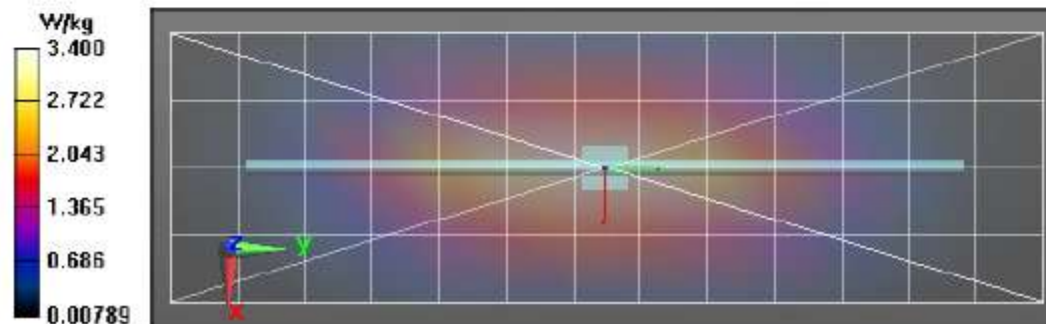
Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 60.89 V/m; Power Drift = -0.03 dB  
 Fast SAR: SAR(1 g) = 2.61 W/kg; SAR(10 g) = 1.7 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 3.42 W/kg

**Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
 Reference Value = 60.89 V/m; Power Drift = -0.03 dB  
 Peak SAR (extrapolated) = 3.88 W/kg  
 SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.66 W/kg (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below = 17.5 mm  
 Ratio of SAR at M2 to SAR at M1 = 65.7%  
 Maximum value of SAR (measured) = 3.42 W/kg

**Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

grid: dx=20mm, dy=20mm, dz=10mm  
 Maximum value of SAR (measured) = 3.43 W/kg



**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/11/2021 8:52:42 AM

Robot#: DASY5-PG-1 | Run#: AR(BAD)-SYSP-835H-210311-09  
 Dipole Model#: D835V2  
 Phantom#: ELI4 1011  
 Tissue Temp: 20.1 (C)  
 Serial#: 4d030  
 Test Freq: 835.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.073 dB  
 Adjusted SAR (1W): 9.72 mW/g (1g)

**Comments:**

Communication System Band: D835 (835.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.94$  S/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 835 MHz, ConvF(10.38, 10.38, 10.38) @ 835 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x131x1):**

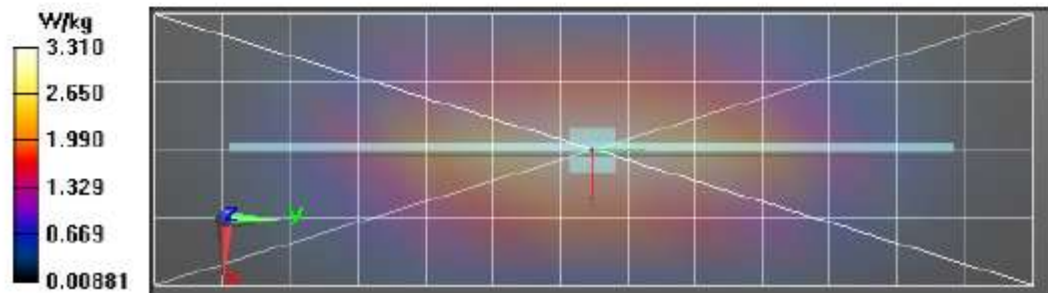
Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
 Reference Value = 62.15 V/m; Power Drift = -0.05 dB  
 Fast SAR: SAR(1 g) = 2.53 W/kg; SAR(10 g) = 1.66 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 3.36 W/kg

**Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$  mm,  $dy=7.5$  mm,  $dz=5$  mm  
 Reference Value = 62.15 V/m; Power Drift = -0.05 dB  
 Peak SAR (extrapolated) = 3.82 W/kg  
 SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.59 W/kg (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below = 21.2 mm  
 Ratio of SAR at M2 to SAR at M1 = 64.9%  
 Maximum value of SAR (measured) = 3.37 W/kg

**Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

grid:  $dx=20$  mm,  $dy=20$  mm,  $dz=10$  mm  
 Maximum value of SAR (measured) = 3.38 W/kg



**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/12/2021 10:24:36 AM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-SYSP-1800H-210312-08  
 Dipole Model#: D1800V2  
 Phantom#: ELI4 1028  
 Tissue Temp: 20.0 (C)  
 Serial#: 278  
 Test Freq: 1800.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.062 dB  
 Adjusted SAR (1W): 40.00 mW/g (1g)

**Comments:**

Communication System Band: D1800 (1800.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.37$  S/m;  $\epsilon_r = 39.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1800 MHz, ConvF(8.79, 8.79, 8.79) @ 1800 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x81x1):**

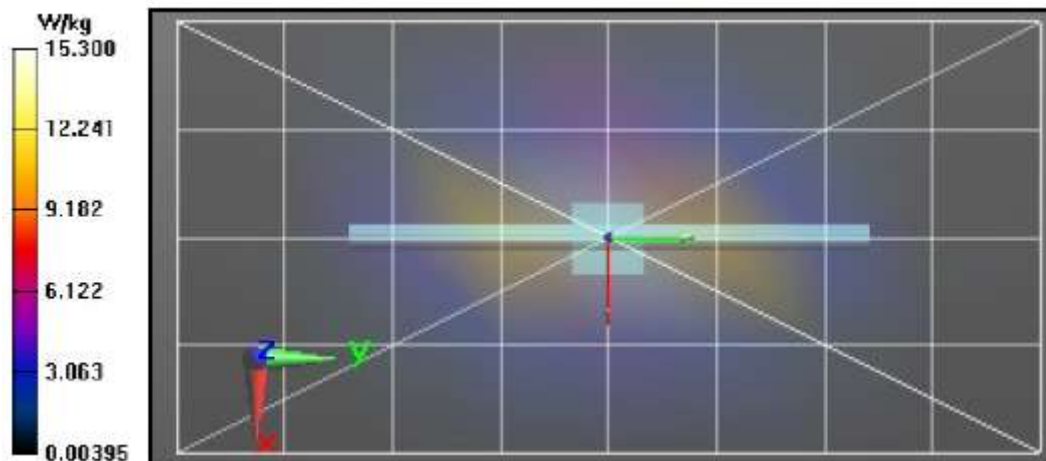
Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 108.5 V/m; Power Drift = 0.08 dB  
 Fast SAR: SAR(1 g) = 10.6 W/kg; SAR(10 g) = 5.39 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 15.3 W/kg

**Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
 Reference Value = 108.5 V/m; Power Drift = 0.08 dB  
 Peak SAR (extrapolated) = 18.2 W/kg  
 SAR(1 g) = 10 W/kg; SAR(10 g) = 5.24 W/kg (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below = 10.5 mm  
 Ratio of SAR at M2 to SAR at M1 = 54.3%  
 Maximum value of SAR (measured) = 15.3 W/kg

**Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

grid: dx=20mm, dy=20mm, dz=10mm  
 Maximum value of SAR (measured) = 15.5 W/kg





**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/12/2021 4:46:51 AM

Robot#: DASY5-PG-1 | Run#: MA-SYSP-750B-210312-05  
 Dipole Model#: D750V3  
 Phantom#: ELI4 1037  
 Tissue Temp: 20.5 (C)  
 Serial#: 1098  
 Test Freq: 750.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.069 dB  
 Adjusted SAR (1W): 9.04 mW/g (1g)

**Comments:**

Communication System Band: D750 (750.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.95$  S/m;  $\epsilon_r = 57.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 750 MHz, ConvF(10.79, 10.79, 10.79) @ 750 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x141x1):**

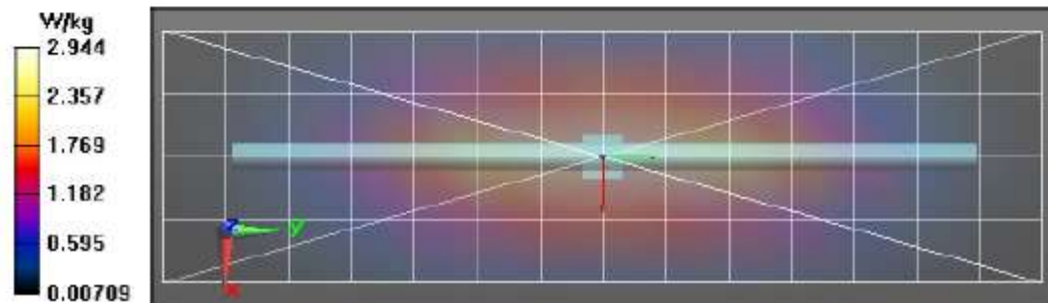
Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
 Reference Value = 57.56 V/m; Power Drift = -0.01 dB  
 Fast SAR: SAR(1 g) = 2.32 W/kg; SAR(10 g) = 1.51 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 2.95 W/kg

**Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$  mm,  $dy=7.5$  mm,  $dz=5$  mm  
 Reference Value = 57.56 V/m; Power Drift = -0.01 dB  
 Peak SAR (extrapolated) = 3.33 W/kg  
 SAR(1 g) = 2.26 W/kg; SAR(10 g) = 1.5 W/kg (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below = 21.2 mm  
 Ratio of SAR at M2 to SAR at M1 = 66.8%  
 Maximum value of SAR (measured) = 2.96 W/kg

**Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

grid:  $dx=20$  mm,  $dy=20$  mm,  $dz=10$  mm  
 Maximum value of SAR (measured) = 2.97 W/kg





## Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/12/2021 1:40:38 AM

Robot#: DASY5-PG-1 | Run#: MA-SYSP-750H-210312-01  
 Dipole Model#: D750V3  
 Phantom#: SAMTP 1384  
 Tissue Temp: 20.1 (C)  
 Serial#: 1098  
 Test Freq: 750.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.068 dB  
 Adjusted SAR (1W): 8.64 mW/g (1g)

## Comments:

Communication System Band: D750 (750.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.88$  S/m;  $\epsilon_r = 43.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 750 MHz, ConvF(10.87, 10.87, 10.87) @ 750 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x141x1):**

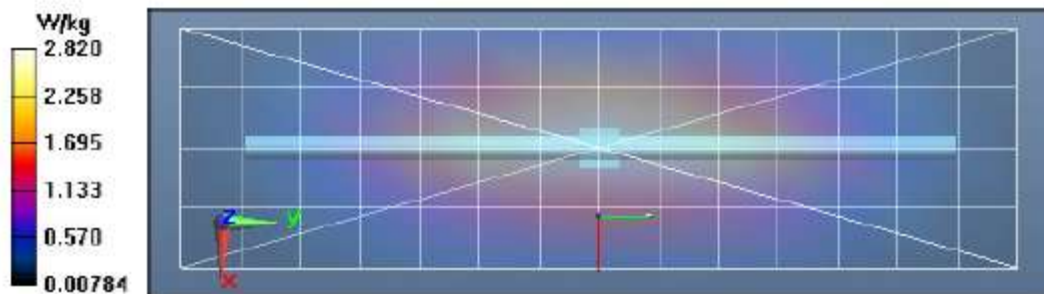
Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
 Reference Value = 59.29 V/m; Power Drift = -0.02 dB  
 Fast SAR: SAR(1 g) = 2.24 W/kg; SAR(10 g) = 1.47 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 2.84 W/kg

**Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$  mm,  $dy=7.5$  mm,  $dz=5$  mm  
 Reference Value = 59.29 V/m; Power Drift = -0.02 dB  
 Peak SAR (extrapolated) = 3.20 W/kg  
 SAR(1 g) = 2.16 W/kg; SAR(10 g) = 1.42 W/kg (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below: Larger than measurement grid  
 Ratio of SAR at M2 to SAR at M1 = 66.3%  
 Maximum value of SAR (measured) = 2.83 W/kg

**Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

grid:  $dx=20$  mm,  $dy=20$  mm,  $dz=10$  mm  
 Maximum value of SAR (measured) = 2.83 W/kg



## Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/14/2021 3:51:53 PM

Robot#: DASY5-PG-1 | Run#: AMN(MHI)-SYSP-2300B-210314-13  
 Dipole Model#: D2300V2  
 Phantom#: ELI4 1109  
 Tissue Temp: 19.4 (C)  
 Serial#: 1007  
 Test Freq: 2300.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.082 dB  
 Adjusted SAR (1W): 50.00 mW/g (1g)

## Comments:

Communication System Band: D2300 (2300.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 2300$  MHz;  $\sigma = 1.86$  S/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2300 MHz, ConvF(8.24, 8.24, 8.24) @ 2300 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x61x1): Interpolated grid:**

dx=1.200 mm, dy=1.200 mm

Reference Value = 108.9 V/m; Power Drift = -0.07 dB

Fast SAR: SAR(1 g) = 12.9 W/kg; SAR(10 g) = 5.91 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 20.9 W/kg

**2-3 GHz-Rev.3/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement**

grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 108.9 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 25.3 W/kg

SAR(1 g) = 12.5 W/kg; SAR(10 g) = 5.91 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.9 mm

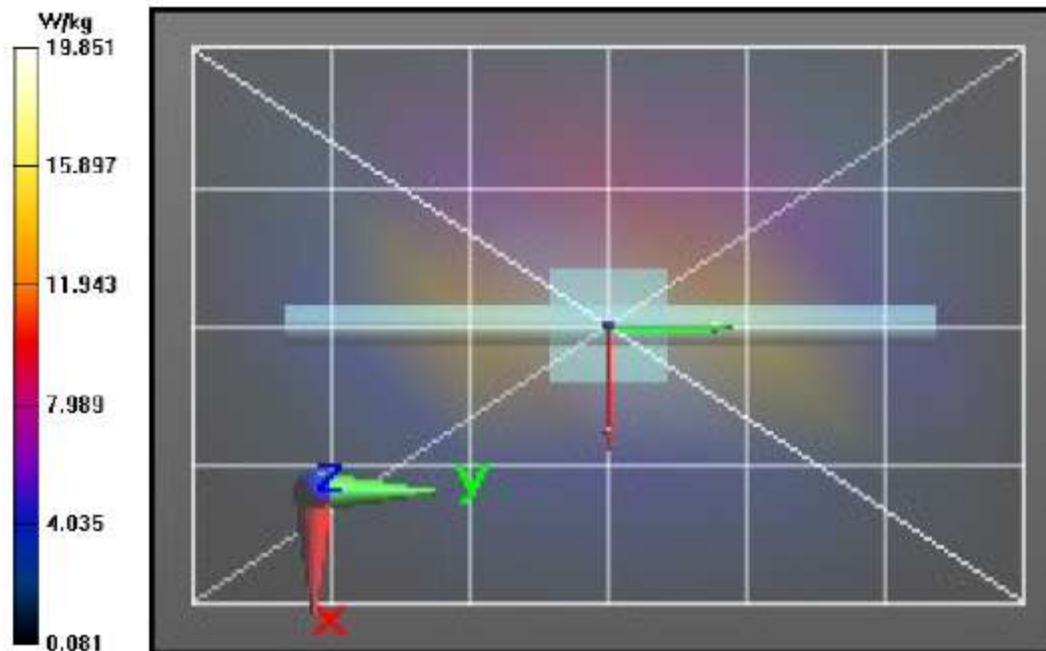
Ratio of SAR at M2 to SAR at M1 = 50.7%

Maximum value of SAR (measured) = 20.5 W/kg

**2-3 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:**

dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 20.8 W/kg



## Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/14/2021 4:35:12 PM

Robot#: DASY5-PG-1 | Run#: AMN(MHI)-SYSP-2600B-210314-14  
 Dipole Model#: D2600V2  
 Phantom#: ELI4 1109  
 Tissue Temp: 19.4 (C)  
 Serial#: 1002  
 Test Freq: 2600.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.064 dB  
 Adjusted SAR (1W): 55.60 mW/g (1g)

## Comments:

Communication System Band: D2600 (2600.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.21$  S/m;  $\epsilon_r = 50.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2600 MHz, ConvF(7.96, 7.96, 7.96) @ 2600 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x61x1): Interpolated grid:**

dx=1.200 mm, dy=1.200 mm

Reference Value = 109.8 V/m; Power Drift = -0.09 dB

Fast SAR: SAR(1 g) = 14.6 W/kg; SAR(10 g) = 6.24 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 25.0 W/kg

**2-3 GHz-Rev.3/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement**

grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 109.8 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 31.2 W/kg

SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.08 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8 mm

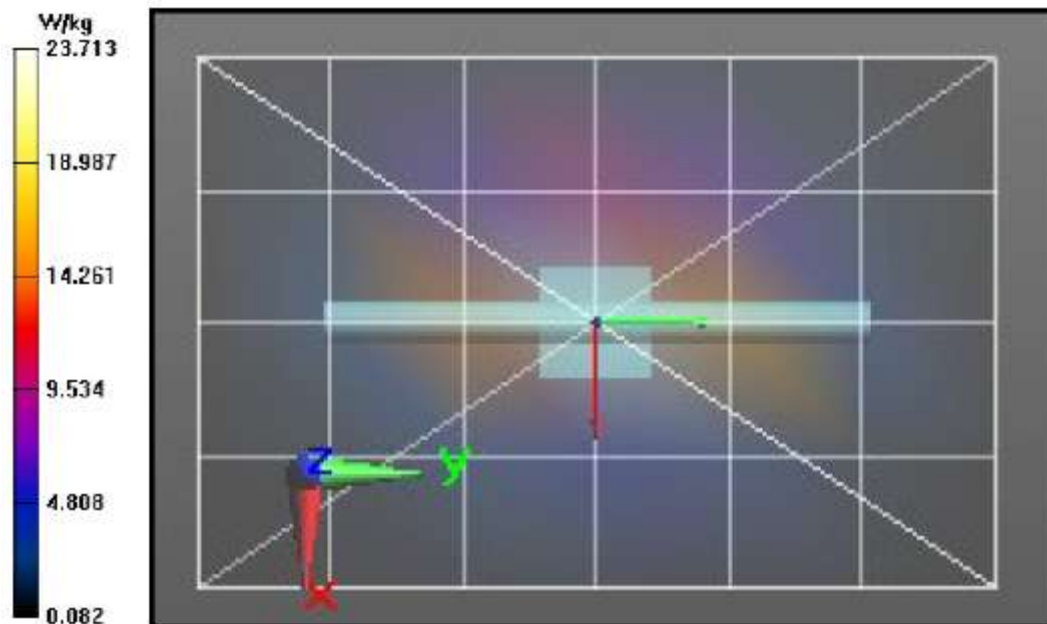
Ratio of SAR at M2 to SAR at M1 = 46.1%

Maximum value of SAR (measured) = 24.6 W/kg

**2-3 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:**

dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 25.0 W/kg





## Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/14/2021 12:29:15 AM

Robot#: DASY5-PG-1 | Run#: MA-SYSP-2300H-210314-02#  
 Dipole Model#: D2300V2  
 Phantom#: SAMTP 1382  
 Tissue Temp: 20.3 (C)  
 Serial#: 1007  
 Test Freq: 2300.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.068 dB  
 Adjusted SAR (1W): 51.60 mW/g (1g)

## Comments:

Communication System Band: D2300 (2300.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 2300$  MHz;  $\sigma = 1.68$  S/m;  $\epsilon_r = 36.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2300 MHz, CorrF(8.35, 8.35, 8.35) @ 2300 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x61x1): Interpolated grid:**

dx=1.200 mm, dy=1.200 mm

Reference Value = 117.4 V/m; Power Drift = -0.05 dB

Fast SAR: SAR(1 g) = 13.8 W/kg; SAR(10 g) = 6.47 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 22.1 W/kg

**2-3 GHz-Rev.3/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement**

grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 117.4 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 27.3 W/kg

SAR(1 g) = 12.9 W/kg; SAR(10 g) = 6.12 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 9.8 mm

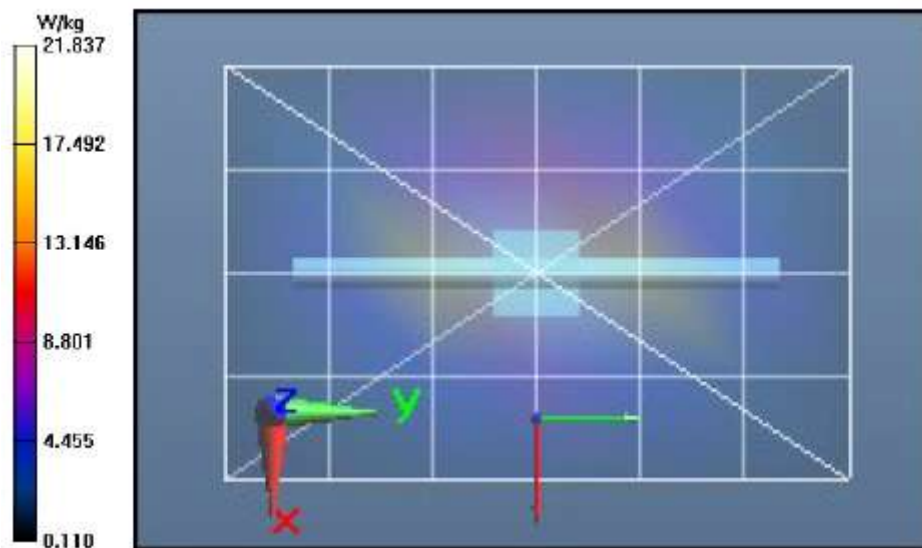
Ratio of SAR at M2 to SAR at M1 = 48.1%

Maximum value of SAR (measured) = 22.0 W/kg

**2-3 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:**

dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 22.1 W/kg





## Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/13/2021 11:46:34 PM

Robot#: DASY5-PG-1 | Run#: MA-SYSP-2600H-210314-01#  
 Dipole Model#: D2600V2  
 Phantom#: SAMTP 1382  
 Tissue Temp: 20.3 (C)  
 Serial#: 1002  
 Test Freq: 2600.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.078 dB  
 Adjusted SAR (1W): 61.20 mW/g (1g)

## Comments:

Communication System Band: D2600 (2600.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.99$  S/m;  $\epsilon_r = 35.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2600 MHz, ConvF(7.73, 7.73, 7.73) @ 2600 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x61x1): Interpolated grid:**

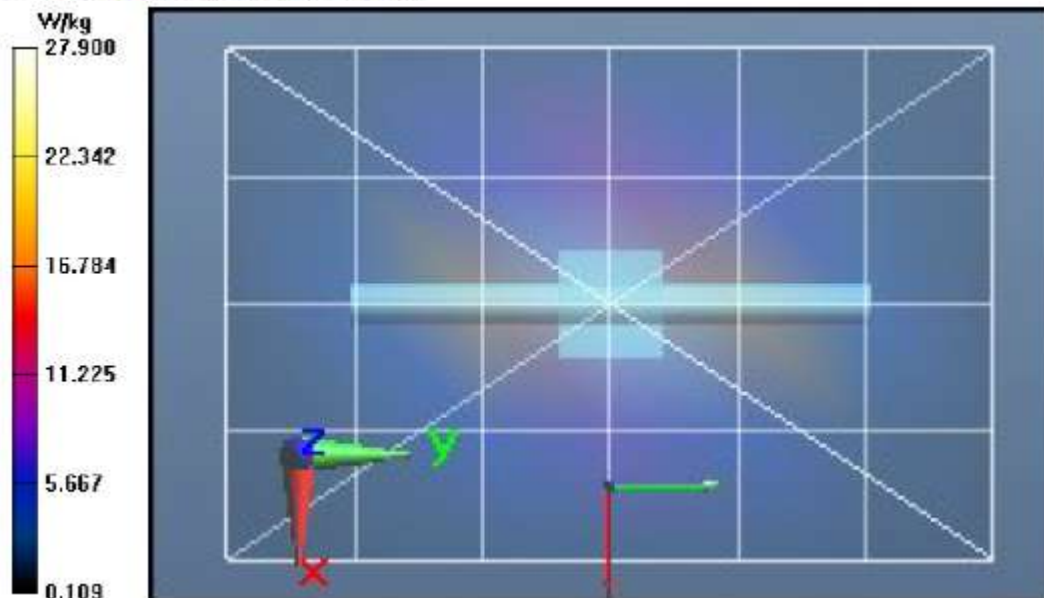
dx=1.200 mm, dy=1.200 mm  
 Reference Value = 122.6 V/m; Power Drift = -0.12 dB  
 Fast SAR: SAR(1 g) = 16.8 W/kg; SAR(10 g) = 7.34 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 28.1 W/kg

**2-3 GHz-Rev.3/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement**

grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 122.6 V/m; Power Drift = -0.12 dB  
 Peak SAR (extrapolated) = 35.1 W/kg  
 SAR(1 g) = 15.3 W/kg; SAR(10 g) = 6.76 W/kg (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below = 9 mm  
 Ratio of SAR at M2 to SAR at M1 = 44.3%  
 Maximum value of SAR (measured) = 27.7 W/kg

**2-3 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:**

dx=20mm, dy=20mm, dz=10mm  
 Maximum value of SAR (measured) = 27.7 W/kg



**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/9/2021 6:14:34 PM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-SYSP-1800B-210309-10  
 Dipole Model# D1800V2  
 Phantom#: ELI4 1028  
 Tissue Temp: 20.0 (C)  
 Serial#: 278  
 Test Freq: 1800.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.073 dB  
 Adjusted SAR (1W): 40.80 mW/g (1g)

## Comments:

Communication System Band: D1800 (1800.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.49$  S/m;  $\epsilon_r = 51.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1800 MHz, ConvF(8.54, 8.54, 8.54) @ 1800 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x81x1):**

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 104.8 V/m; Power Drift = -0.01 dB

**Fast SAR: SAR(1 g) = 10.4 W/kg; SAR(10 g) = 5.16 W/kg** (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 15.3 W/kg

**Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 104.8 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 18.0 W/kg

**SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.37 W/kg** (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 9.5 mm

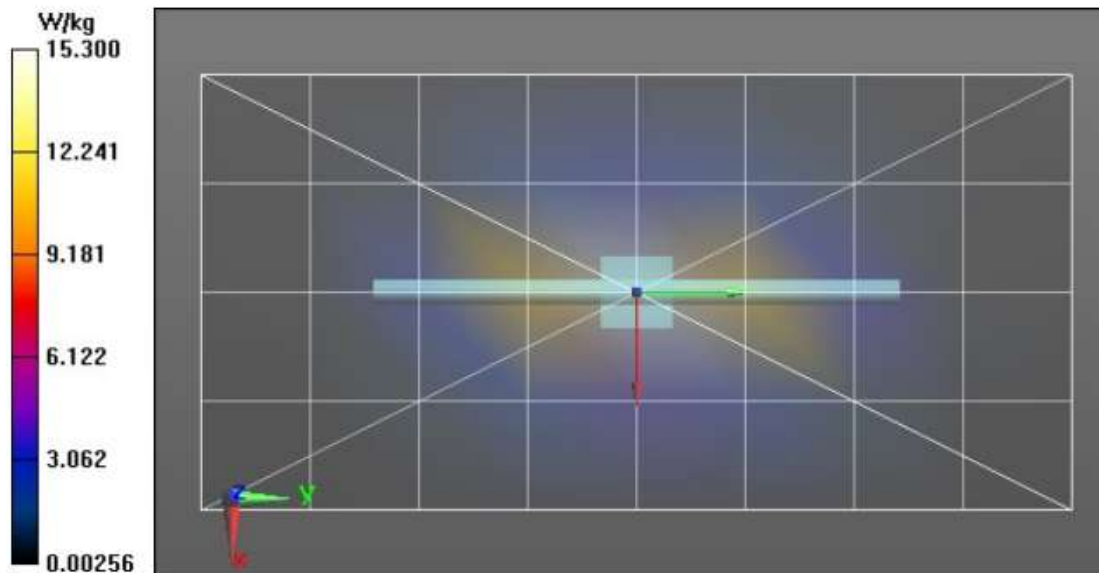
Ratio of SAR at M2 to SAR at M1 = 56.7%

Maximum value of SAR (measured) = 15.4 W/kg

**Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 15.5 W/kg



**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/15/2021 1:54:38 AM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-SYSP-1900B-210315-02  
 Dipole Model#: D1900V2  
 Phantom#: ELI4 1028  
 Tissue Temp: 21.0 (C)  
 Serial#: 5d065  
 Test Freq: 1900.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.067 dB  
 Adjusted SAR (1W): 40.00 mW/g (1g)

**Comments:**

Communication System Band: D1900 (1900.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.53$  S/m;  $\epsilon_r = 51.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1900 MHz, ConvF(8.4, 8.4, 8.4) @ 1900 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x81x1):**

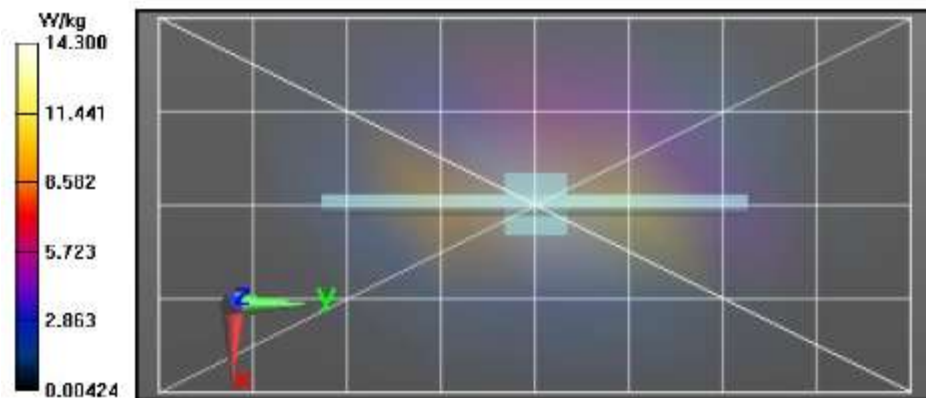
Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
 Reference Value = 103.9 V/m; Power Drift = -0.09 dB  
 Fast SAR: SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.04 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 15.7 W/kg

**Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$  mm,  $dy=7.5$  mm,  $dz=5$  mm  
 Reference Value = 103.9 V/m; Power Drift = -0.09 dB  
 Peak SAR (extrapolated) = 18.3 W/kg  
 SAR(1 g) = 10 W/kg; SAR(10 g) = 5.29 W/kg (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below = 10.1 mm  
 Ratio of SAR at M2 to SAR at M1 = 56.2%  
 Maximum value of SAR (measured) = 15.4 W/kg

**Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

grid:  $dx=20$  mm,  $dy=20$  mm,  $dz=10$  mm  
 Maximum value of SAR (measured) = 15.6 W/kg





## Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/10/2021 10:19:29 PM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-SYSP-1900H-210410-05  
 Dipole Model#: D1900V2  
 Phantom#: SAMTP 1382  
 Tissue Temp: 20.8 (C)  
 Serial#: 5d065  
 Test Freq: 1900.0000(MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.052 dB  
 Adjusted SAR (1W): 39.24 mW/g (1g)

## Comments:

Communication System Band: D1900 (1900.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 1900$  MHz,  $\sigma = 1.38$  S/m,  $\epsilon_r = 40.4$ ,  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1900 MHz, ConvF(8.72, 8.72) @ 1900 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x61x1):**

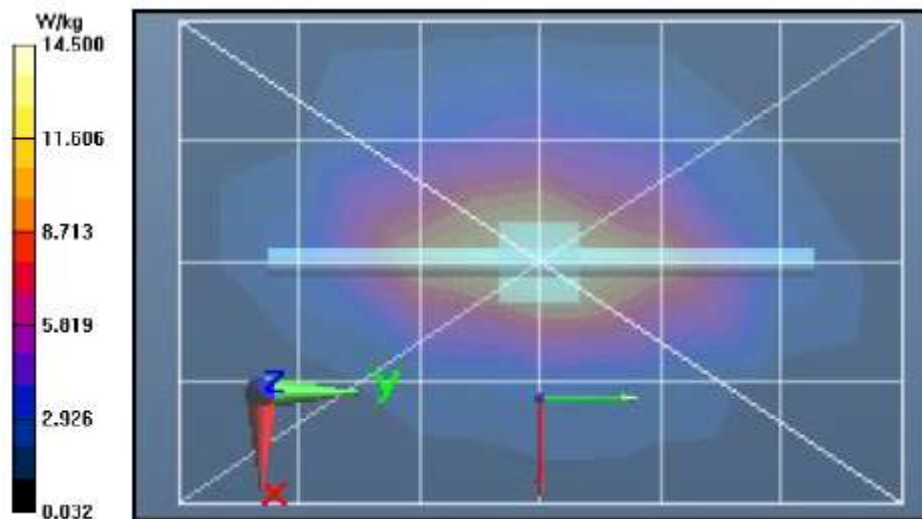
Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
 Reference Value = 107.4 V/m; Power Drift = 0.03 dB  
 Fast SAR: SAR(1 g) = 10.2 W/kg, SAR(10 g) = 5.11 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 15.1 W/kg

**Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$  mm,  $dy=7.5$  mm,  $dz=5$  mm  
 Reference Value = 107.4 V/m; Power Drift = 0.03 dB  
 Peak SAR (extrapolated) = 17.7 W/kg  
 SAR(1 g) = 9.81 W/kg, SAR(10 g) = 5.11 W/kg (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below = 9.1 mm  
 Ratio of SAR at M2 to SAR at M1 = 54.7%  
 Maximum value of SAR (measured) = 14.9 W/kg

**Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

grid:  $dx=20$  mm,  $dy=20$  mm,  $dz=10$  mm  
 Maximum value of SAR (measured) = 15.1 W/kg



## Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/11/2021 4:15:39 AM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-SYSP-1900B-210411-03  
 Dipole Model#: D1900V2  
 Phantom#: ELI4 1022  
 Tissue Temp: 19.6 (C)  
 Serial#: 5d065  
 Test Freq: 1900.0000(MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.059 dB  
 Adjusted SAR (1W): 39.92 mW/g (1g)

## Comments:

Communication System Band: D1900 (1900.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.58$  S/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1900 MHz, ConvF(8.4, 8.4, 8.4) @ 1900 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x61x1):**

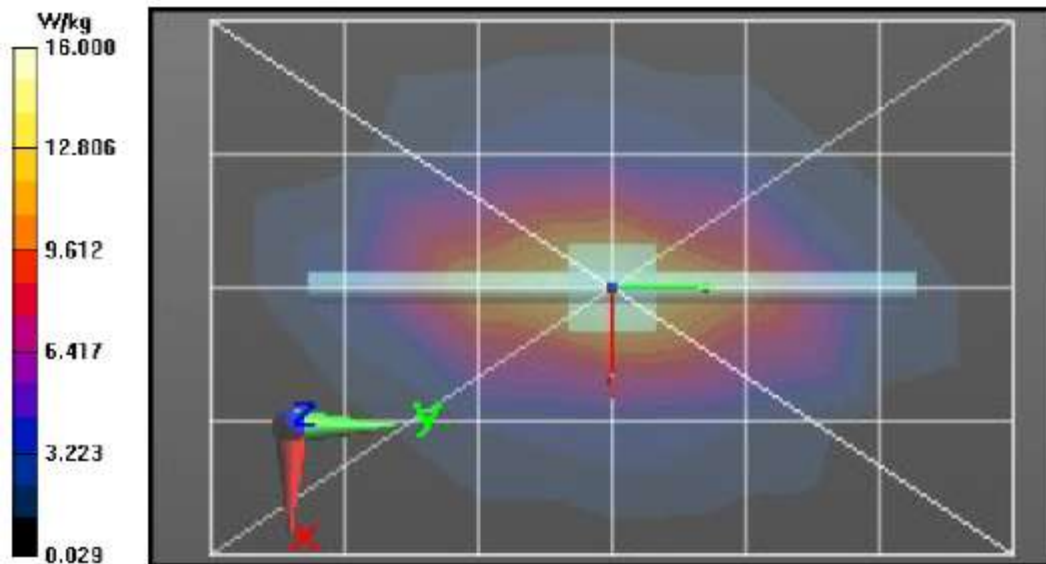
Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
 Reference Value = 104.0 V/m; Power Drift = -0.05 dB  
 Fast SAR: SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.13 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 16.2 W/kg

**Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm  
 Reference Value = 104.0 V/m; Power Drift = -0.05 dB  
 Peak SAR (extrapolated) = 18.8 W/kg  
 SAR(1 g) = 9.98 W/kg; SAR(10 g) = 5.23 W/kg (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below = 9.5 mm  
 Ratio of SAR at M2 to SAR at M1 = 55.1%  
 Maximum value of SAR (measured) = 15.7 W/kg

**Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

grid:  $dx=20$ mm,  $dy=20$ mm,  $dz=10$ mm  
 Maximum value of SAR (measured) = 16.1 W/kg



## Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/12/2021 12:35:24 AM

Robot#: DASY5-PG-1 | Run#: AMN(MHI)-SYSP-1800B-210412-01  
 Dipole Model#: D1800V2  
 Phantom#: ELI4 1022  
 Tissue Temp: 19.3 (C)  
 Serial#: 278  
 Test Freq: 1800.0000(MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.092 dB  
 Adjusted SAR (1W): 37.24 mW/g (1g)

## Comments:

Communication System Band: D1800 (1800.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.49$  S/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1800 MHz, ConvF(8.54, 8.54, 8.54) @ 1800 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x61x1):**

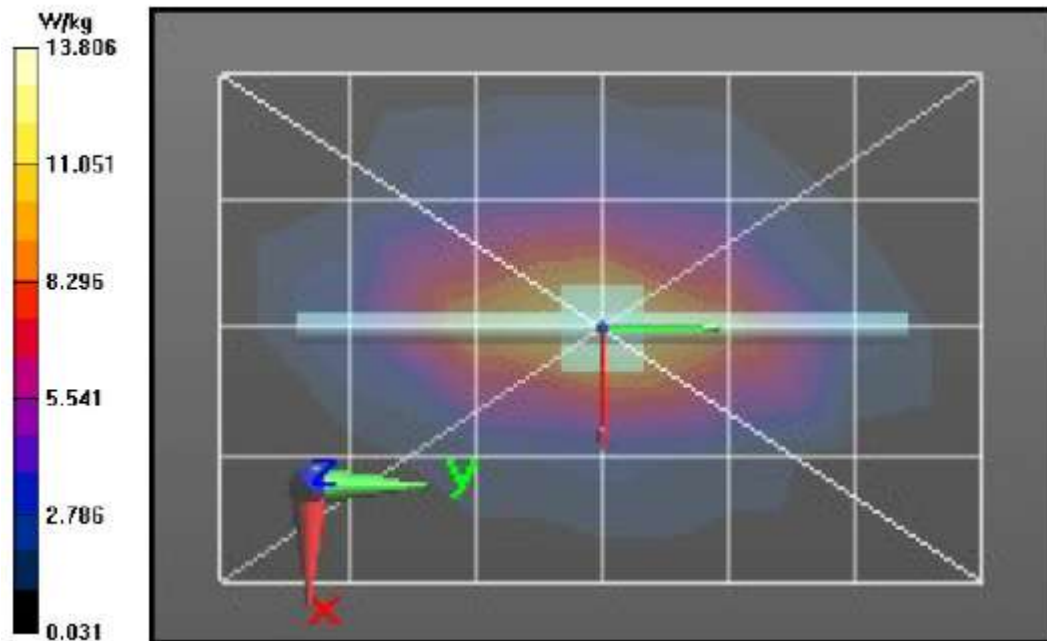
Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
 Reference Value = 100.9 V/m; Power Drift = -0.04 dB  
 Fast SAR: SAR(1 g) = 9.52 W/kg; SAR(10 g) = 4.79 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 14.2 W/kg

**Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$  mm,  $dy=7.5$  mm,  $dz=5$  mm  
 Reference Value = 100.9 V/m; Power Drift = -0.04 dB  
 Peak SAR (extrapolated) = 16.6 W/kg  
 SAR(1 g) = 9.31 W/kg; SAR(10 g) = 4.91 W/kg (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below = 10.5 mm  
 Ratio of SAR at M2 to SAR at M1 = 56.3%  
 Maximum value of SAR (measured) = 14.1 W/kg

**Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

grid:  $dx=20$  mm,  $dy=20$  mm,  $dz=10$  mm  
 Maximum value of SAR (measured) = 14.1 W/kg





**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 4/13/2021 10:07:19 AM

Robot#: DASY5-PG-1 | Run#: ZR(RY)-SYSP-2600B-210413-04  
 Dipole Model#: D2600V2  
 Phantom#: TP1174/1  
 Tissue Temp: 20.2 (C)  
 Serial#: 1002  
 Test Freq: 2600.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.077 dB  
 Adjusted SAR (1W): 60.00 mW/g (1g)

Communication System Band: D2600 (2600.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.24$  S/m;  $\epsilon_r = 48.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2600 MHz, ConvF(7.96, 7.96, 7.96) @ 2600 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (51x101x1): Interpolated**

grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 113.0 V/m; Power Drift = 0.01 dB

Fast SAR: SAR(1 g) = 15.4 W/kg; SAR(10 g) = 6.75 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 27.3 W/kg

**2-3 GHz-Rev.3/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement**

grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 113.0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 33.6 W/kg

SAR(1 g) = 15 W/kg; SAR(10 g) = 6.65 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.9 mm

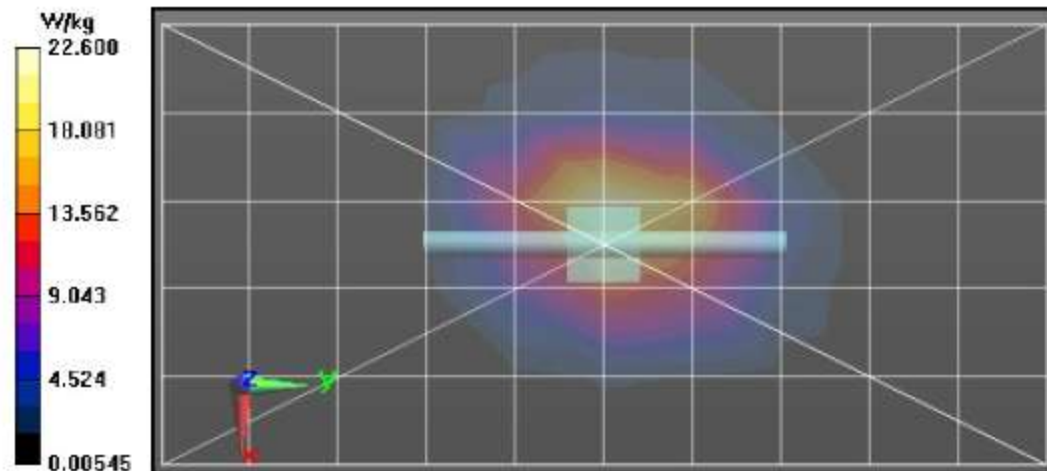
Ratio of SAR at M2 to SAR at M1 = 46.5%

Maximum value of SAR (measured) = 26.9 W/kg

**2-3 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:**

dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 26.9 W/kg



**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 4/18/2021 3:47:17 PM

Robot#: DASY5-PG-1 | Run#: MA(MHI)-SYSP-1800B-210418-06  
 Dipole Model#: D1800V2  
 Phantom#: TP1174-3  
 Tissue Temp: 20.4 (C)  
 Serial#: 278  
 Test Freq: 1800.0000(MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.170 dB  
 Adjusted SAR (1W): 41.60 mW/g (1g)

**Comments:**

Communication System Band: D1800 (1800.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.51$  S/m;  $\epsilon_r = 51.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1800 MHz, ConvF(8.54, 8.54, 8.54) @ 1800 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x61x1):**

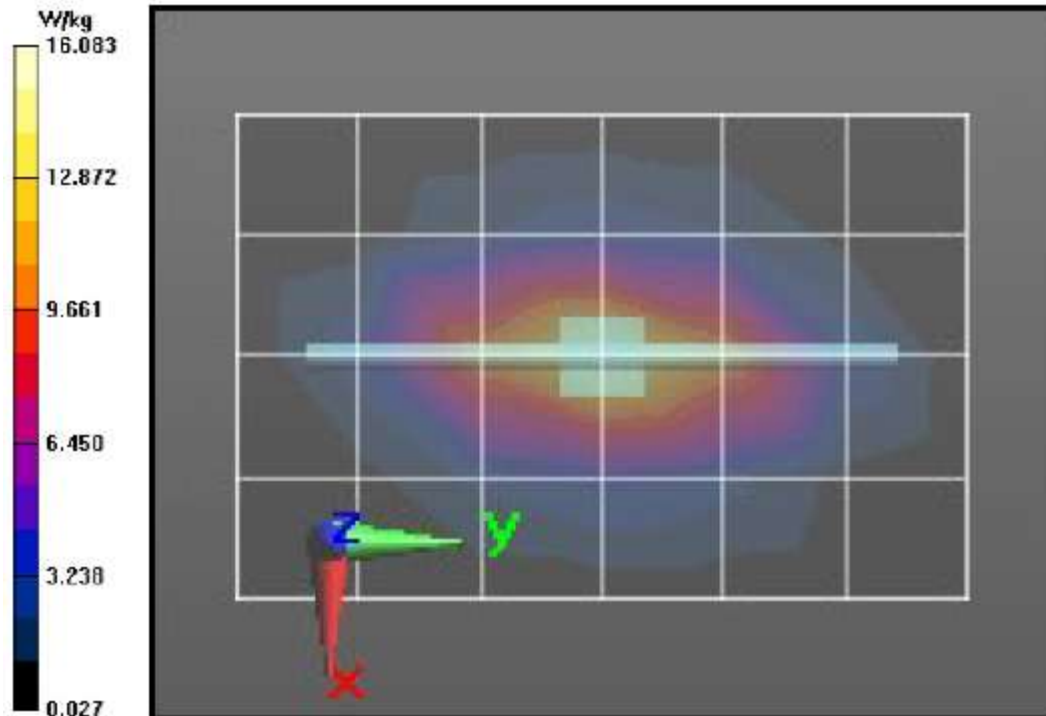
Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
 Reference Value = 106.6 V/m; Power Drift = -0.10 dB  
 Fast SAR: SAR(1 g) = 10.8 W/kg; SAR(10 g) = 5.34 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 16.1 W/kg

**Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm  
 Reference Value = 106.6 V/m; Power Drift = -0.10 dB  
 Peak SAR (extrapolated) = 18.7 W/kg  
 SAR(1 g) = 10.4 W/kg; SAR(10 g) = 5.48 W/kg (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below = 9 mm  
 Ratio of SAR at M2 to SAR at M1 = 56.3%  
 Maximum value of SAR (measured) = 15.9 W/kg

**Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

grid:  $dx=20$ mm,  $dy=20$ mm,  $dz=10$ mm  
 Maximum value of SAR (measured) = 15.9 W/kg



**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/13/2021 10:44:37 AM

Robot#: DASY5-PG-1 | Run#: MA(MHI)-SYSP-1900H-210313-12  
 Dipole Model#: D1900V2  
 Phantom#: SAMTP 1382  
 Tissue Temp: 20.1 (C)  
 Serial#: 5d064  
 Test Freq: 1900.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.099 dB  
 Adjusted SAR (1W): 39.88 mW/g (1g)

**Comments:**

Communication System Band: D1900 (1900.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.44$  S/m;  $\epsilon_r = 38.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1900 MHz, ConvF(8.72, 8.72, 8.72) @ 1900 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x81x1):**

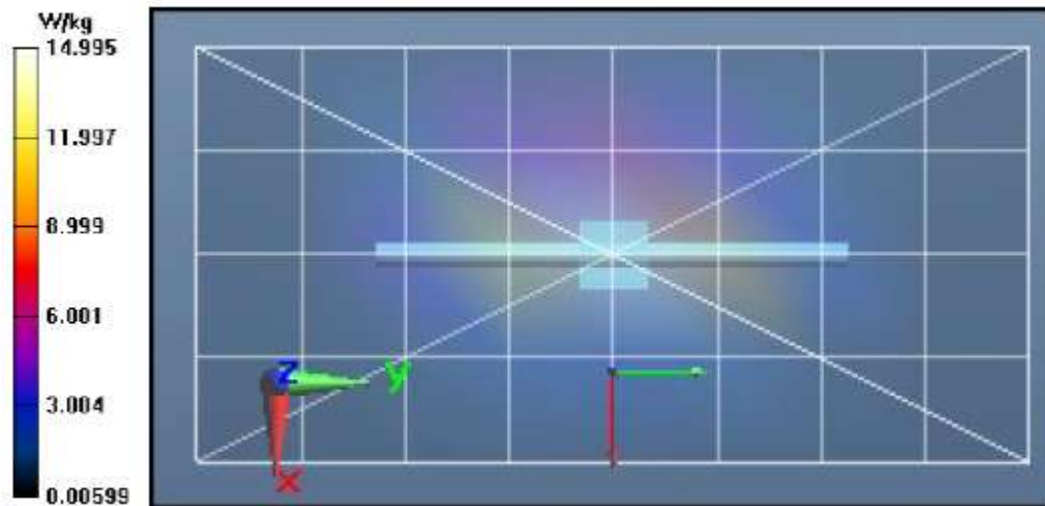
Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
 Reference Value = 109.2 V/m; Power Drift = -0.05 dB  
 Fast SAR: SAR(1 g) = 10.4 W/kg; SAR(10 g) = 5.35 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 16.2 W/kg

**Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$  mm,  $dy=7.5$  mm,  $dz=5$  mm  
 Reference Value = 109.2 V/m; Power Drift = -0.05 dB  
 Peak SAR (extrapolated) = 19.4 W/kg  
 SAR(1 g) = 9.97 W/kg; SAR(10 g) = 5.18 W/kg (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below = 10.5 mm  
 Ratio of SAR at M2 to SAR at M1 = 52.7%  
 Maximum value of SAR (measured) = 16.0 W/kg

**Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

grid:  $dx=20$  mm,  $dy=20$  mm,  $dz=10$  mm  
 Maximum value of SAR (measured) = 16.2 W/kg





**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/13/2021 10:04:21 AM

Robot#: DASY5-PG-1 | Run#: MA(MHT)-SYSP-1800H-210313-11  
 Dipole Model#: D1800V2  
 Phantom#: SAMTP 1382  
 Tissue Temp: 20.1 (C)  
 Serial#: 278  
 Test Freq: 1800.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.100 dB  
 Adjusted SAR (1W): 39.04 mW/g (1g)

**Comments:**

Communication System Band: D1800 (1800.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.35$  S/m;  $\epsilon_r = 38.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1800 MHz, ConvF(8.79, 8.79, 8.79) @ 1800 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x81x1):**

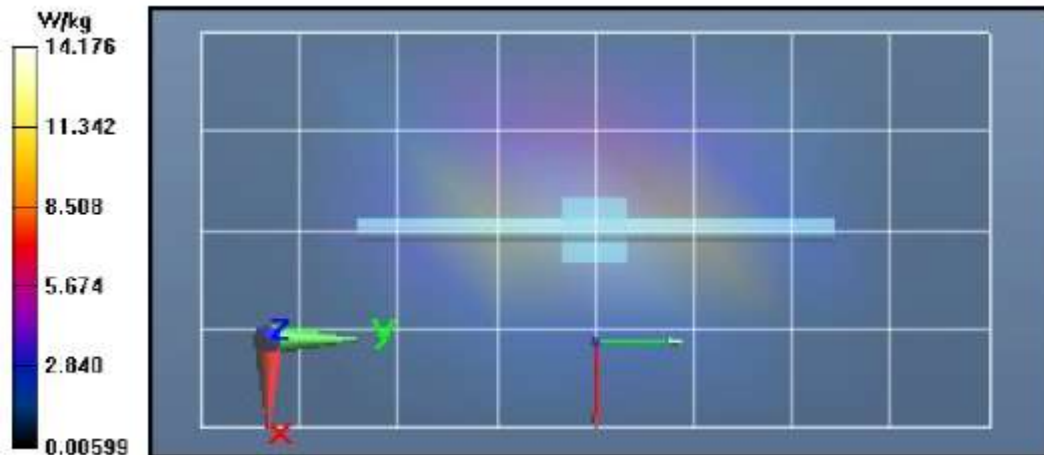
Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 109.0 V/m; Power Drift = -0.11 dB  
 Fast SAR: SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.28 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 15.1 W/kg

**Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
 Reference Value = 109.0 V/m; Power Drift = -0.11 dB  
 Peak SAR (extrapolated) = 18.0 W/kg  
 SAR(1 g) = 9.76 W/kg; SAR(10 g) = 5.09 W/kg (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below = 10.5 mm  
 Ratio of SAR at M2 to SAR at M1 = 53.6%  
 Maximum value of SAR (measured) = 14.8 W/kg

**Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

grid: dx=20mm, dy=20mm, dz=10mm  
 Maximum value of SAR (measured) = 15.1 W/kg



**Motorola Solutions, Inc. EME Laboratory**  
**Date/Time: 4/12/2021 9:10:47 AM**

Robot#: DASY5-PG-1 | Run#: MA-SYSP-1900B-210412-07  
 Dipole Model#: D1900V2  
 Phantom#: ELI4 1022  
 Tissue Temp: 20.1 (C)  
 Serial#: 5d065  
 Test Freq: 1900.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.078 dB  
 Adjusted SAR (1W): 39.68 mW/g (1g)

**Comments:**

Communication System Band: D1900 (1900.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.56$  S/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1900 MHz, ConvF(8.4, 8.4, 8.4) @ 1900 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x81x1):**

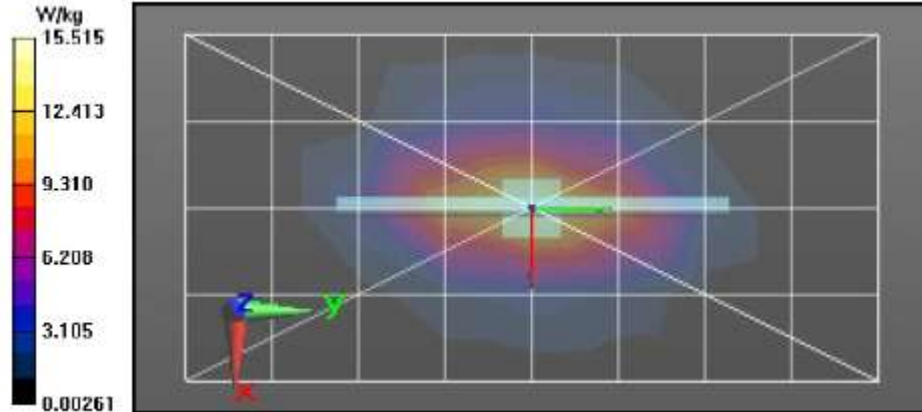
Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
 Reference Value = 103.7 V/m; Power Drift = -0.07 dB  
 Fast SAR: SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.05 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 15.7 W/kg

**Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:**

Measurement grid:  $dx=7.5$  mm,  $dy=7.5$  mm,  $dz=5$  mm  
 Reference Value = 103.7 V/m; Power Drift = -0.07 dB  
 Peak SAR (extrapolated) = 18.5 W/kg  
 SAR(1 g) = 9.92 W/kg; SAR(10 g) = 5.15 W/kg (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below = 9 mm  
 Ratio of SAR at M2 to SAR at M1 = 54.8%  
 Maximum value of SAR (measured) = 15.4 W/kg

**Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

grid:  $dx=20$  mm,  $dy=20$  mm,  $dz=10$  mm  
 Maximum value of SAR (measured) = 15.7 W/kg



## Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/16/2021 8:41:45 PM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-SYSP-2450B-210316-12  
 Dipole Model#: D2450V2  
 Phantom#: TP1174-1  
 Tissue Temp: 19.8 (C)  
 Serial#: 782  
 Test Freq: 2450.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.15 dB  
 Adjusted SAR (1W): 52.00 mW/g (1g)

## Comments:

Communication System Band: D2450 (2450.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 2.04$  S/m;  $\epsilon_r = 50.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2450 MHz, ConvF(8.14, 8.14, 8.14) @ 2450 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (51x51x1): Interpolated grid:**

dx=1.200 mm, dy=1.200 mm

Reference Value = 107.7 V/m; Power Drift = -0.02 dB

Fast SAR: SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.14 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 23.4 W/kg

**2-3 GHz-Rev.3/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement**

grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 107.7 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 28.5 W/kg

SAR(1 g) = 13 W/kg; SAR(10 g) = 6.05 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.2 mm

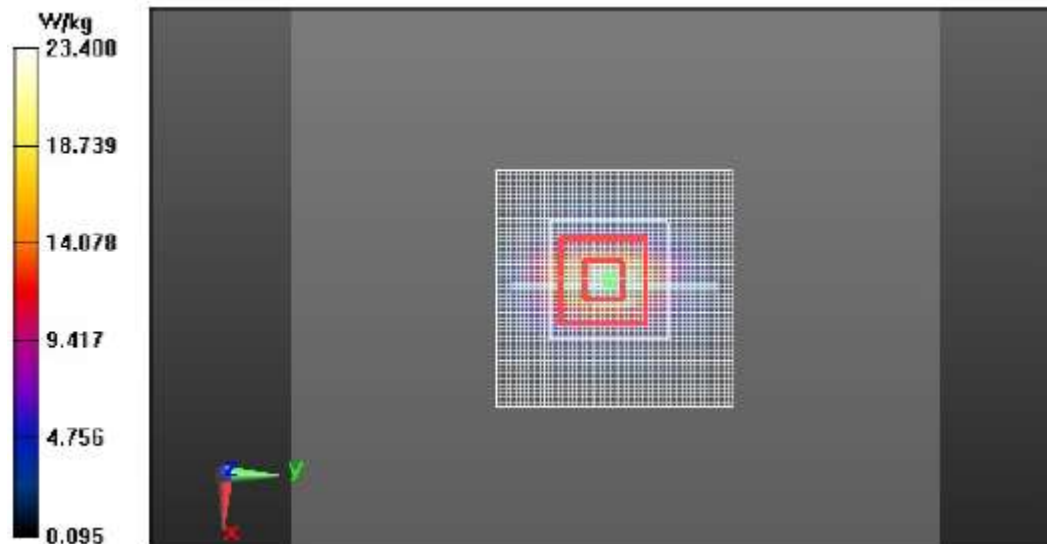
Ratio of SAR at M2 to SAR at M1 = 47.8%

Maximum value of SAR (measured) = 22.8 W/kg

**2-3 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:**

dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 23.0 W/kg





**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/16/2021 8:41:45 PM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-SYSP-2450B-210316-12  
 Dipole Model#: D2450V2  
 Phantom#: TP1174-1  
 Tissue Temp: 19.8 (C)  
 Serial#: 782  
 Test Freq: 2450.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.15 dB  
 Adjusted SAR (1W): 52.00 mW/g (1g)

**Comments:**

Communication System Band: D2450 (2450.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 2.04$  S/m;  $\epsilon_r = 50.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2450 MHz, ConvF(8.14, 8.14, 8.14) @ 2450 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (51x51x1): Interpolated grid:**

dx=1.200 mm, dy=1.200 mm

Reference Value = 107.7 V/m; Power Drift = -0.02 dB

Fast SAR: SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.14 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 23.4 W/kg

**2-3 GHz-Rev.3/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement**

grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 107.7 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 28.5 W/kg

SAR(1 g) = 13 W/kg; SAR(10 g) = 6.05 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.2 mm

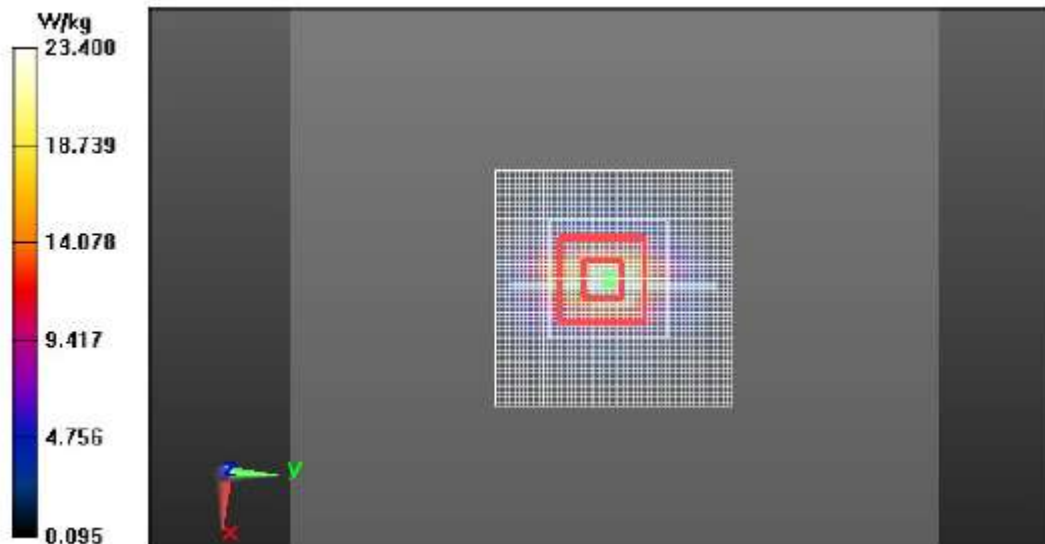
Ratio of SAR at M2 to SAR at M1 = 47.8%

Maximum value of SAR (measured) = 22.8 W/kg

**2-3 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:**

dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 23.0 W/kg



**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/27/2021 11:14:27 PM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-SYSP-2450H-210327-03  
 Dipole Model#: D2450V2  
 Phantom#: SAMTP 1384  
 Tissue Temp: 20.5 (C)  
 Serial#: 782  
 Test Freq: 2450.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.047 dB  
 Adjusted SAR (1W): 53.60 mW/g (1g)

**Comments:**

Communication System Band: D2450 (2450.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.86$  S/m;  $\epsilon_r = 35.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2450 MHz, ConvF(8, 8, 8) @ 2450 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (51x51x1): Interpolated grid:**

dx=1.200 mm, dy=1.200 mm

Reference Value = 116.5 V/m; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 14.5 W/kg; SAR(10 g) = 6.67 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 25.2 W/kg

**2-3 GHz-Rev.3/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement**

grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 116.5 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 30.3 W/kg

SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.17 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 9 mm

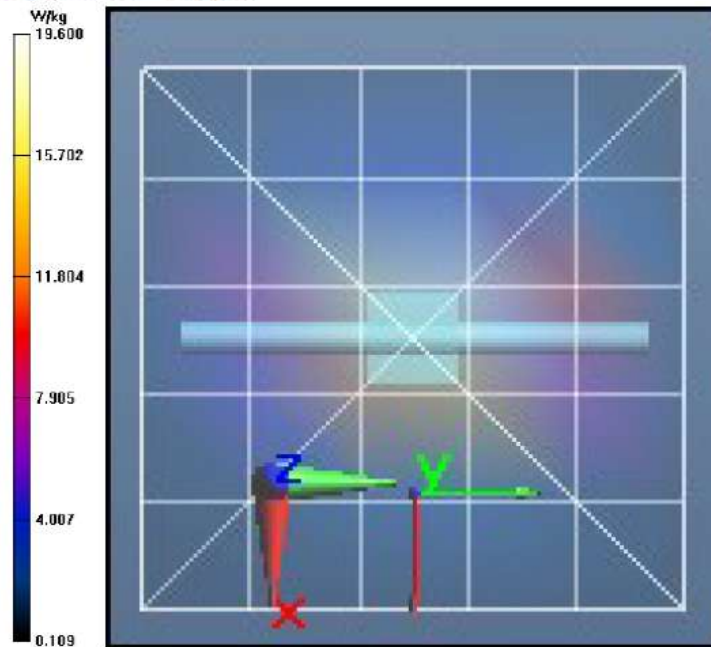
Ratio of SAR at M2 to SAR at M1 = 45.7%

Maximum value of SAR (measured) = 23.9 W/kg

**2-3 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:**

dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 23.9 W/kg



**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 4/19/2021 3:12:45 PM

Robot#: DASY5-PG-1 | Run#: AMN(MHI)-SYSP-5500H-210419-09  
 Dipole Model#: D5GHzV2  
 Phantom#: SAMTP 1382  
 Tissue Temp: 20.7 (C)  
 Serial#: 1026  
 Test Freq: 5500.0000 (MHz)  
 Start Power: 100 (mW)  
 Rotation (1D): 0.100 dB  
 Adjusted SAR (1W): 87.20 mW/g (1g)

**Comments:**

Communication System Band: D5GHz (5000.0 - 6000.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 4.59$  S/m;  $\epsilon_r = 33.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 5500 MHz, ConvF(5.17, 5.17, 5.17) @ 5500 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**4-6 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (41x41x1):** Interpolated grid:  
 $dx=0.9000$  mm,  $dy=0.9000$  mm

Reference Value = 77.50 V/m; Power Drift = 0.01 dB

Fast SAR: SAR(1 g) = 8.1 W/kg; SAR(10 g) = 2.21 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 22.2 W/kg

**4-6 GHz-Rev.5/System Performance Check/0-Degree Cube (8x8x12)/Cube 0:** Measurement

grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 77.50 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 37.0 W/kg

SAR(1 g) = 8.72 W/kg; SAR(10 g) = 2.45 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 7.4 mm

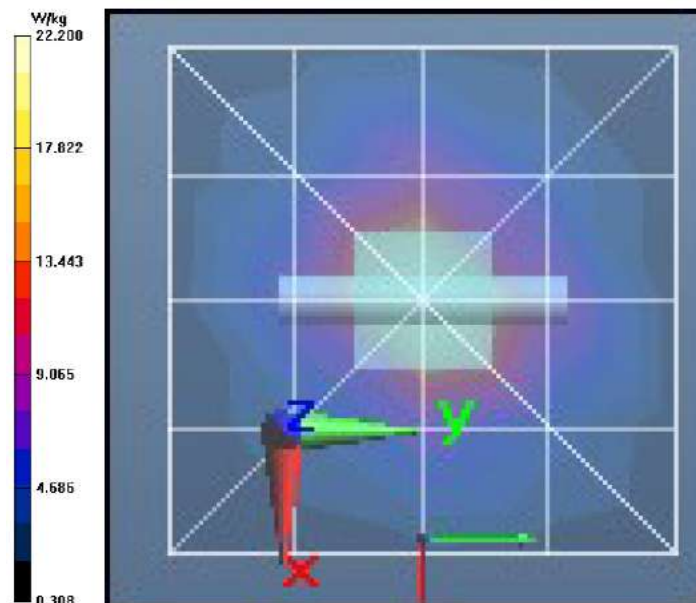
Ratio of SAR at M2 to SAR at M1 = 54%

Maximum value of SAR (measured) = 21.1 W/kg

**4-6 GHz-Rev.5/System Performance Check/Z-Axis Retraction (1x1x17):** Measurement grid:

 $dx=20$ mm,  $dy=20$ mm,  $dz=10$ mm

Maximum value of SAR (measured) = 22.5 W/kg





## Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/19/2021 4:11:24 PM

Robot#: DASY5-PG-1 | Run#: AMN(MHI)-SYSP-5750H-210419-10  
 Dipole Model#: D5GHzV2  
 Phantom#: SAMTP 1382  
 Tissue Temp: 20.7 (C)  
 Serial#: 1026  
 Test Freq: 5750.0000 (MHz)  
 Start Power: 100 (mW)  
 Rotation (1D): 0.110 dB  
 Adjusted SAR (1W): 81.30 mW/g (1g)

## Comments:

Communication System Band: D5GHz (5000.0 - 6000.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 5750$  MHz;  $\sigma = 4.84$  S/m;  $\epsilon_r = 33.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 5750 MHz, ConvF(5.04, 5.04, 5.04) @ 5750 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**4-6 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (41x41x1): Interpolated grid:**

dx=0.9000 mm, dy=0.9000 mm

Reference Value = 73.34 V/m; Power Drift = -0.15 dB

Fast SAR: SAR(1 g) = 7.52 W/kg; SAR(10 g) = 2.05 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 21.2 W/kg

**4-6 GHz-Rev.5/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement**

grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 73.34 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 36.5 W/kg

SAR(1 g) = 8.13 W/kg; SAR(10 g) = 2.28 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 7.4 mm

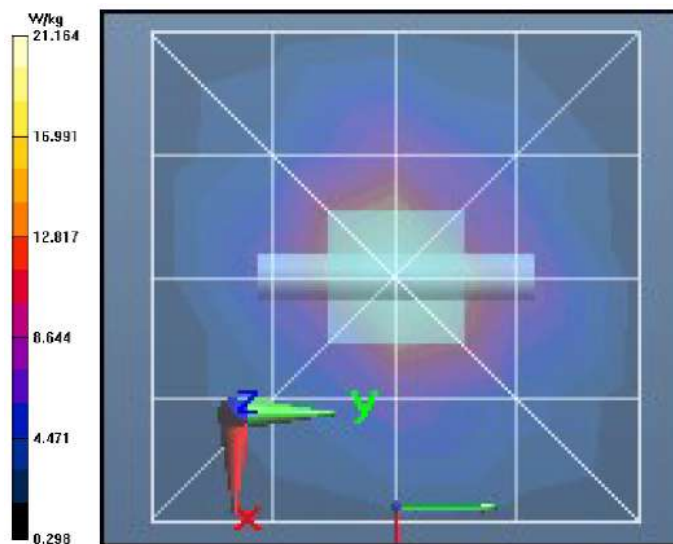
Ratio of SAR at M2 to SAR at M1 = 51.8%

Maximum value of SAR (measured) = 20.1 W/kg

**4-6 GHz-Rev.5/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:**

dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 21.8 W/kg



## Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/20/2021 4:35:59 AM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-SYSP-5250B-210420-03  
 Dipole Model#: D5GHzV2  
 Phantom#: ELI5 1150  
 Tissue Temp: 20.3 (C)  
 Serial#: 1026  
 Test Freq: 5250.0000 (MHz)  
 Start Power: 100 (mW)  
 Rotation (1D): 0.13 dB  
 Adjusted SAR (1W): 79.70 mW/g (1g)

## Comments:

Communication System Band: D5GHz (5000.0 - 6000.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 5250$  MHz;  $\sigma = 5.53$  S/m;  $\epsilon_r = 44.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 5250 MHz, ConvF(4.87, 4.87, 4.87) @ 5250 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**4-6 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (41x41x1): Interpolated grid:**

dx=0.9000 mm, dy=0.9000 mm

Reference Value = 70.24 V/m; Power Drift = 0.08 dB

Fast SAR: SAR(1 g) = 7.72 W/kg; SAR(10 g) = 2.11 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 20.4 W/kg

**4-6 GHz-Rev.5/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement**

grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 70.24 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 33.4 W/kg

SAR(1 g) = 7.97 W/kg; SAR(10 g) = 2.22 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 7.2 mm

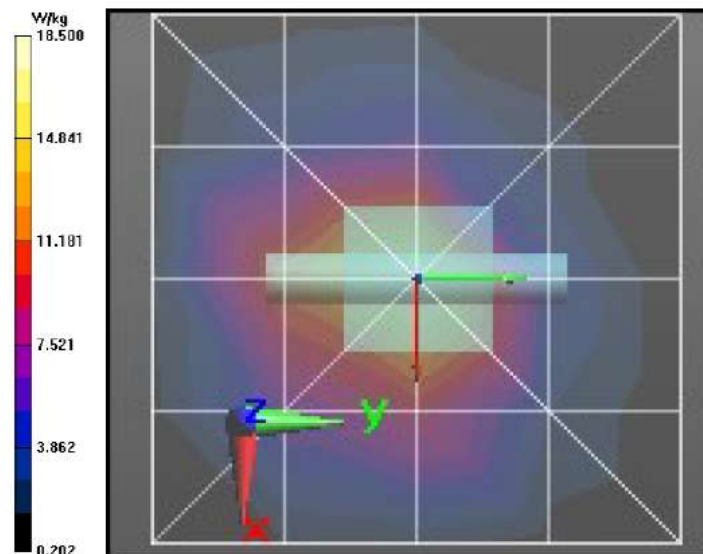
Ratio of SAR at M2 to SAR at M1 = 54%

Maximum value of SAR (measured) = 19.6 W/kg

**4-6 GHz-Rev.5/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:**

dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 21.4 W/kg



## Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/1/2021 2:07:40 AM

Robot#: DASY5-PG-1 | Run#: BL-SYSP-2450H-210501-01  
 Dipole Model#: D2450V2  
 Phantom#: SAMTP 1382  
 Tissue Temp: 20.2 (C)  
 Serial#: 703  
 Test Freq: 2450.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.083 dB  
 Adjusted SAR (1W): 54.80 mW/g (1g)

## Comments:

Communication System Band: D2450 (2450.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.83$  S/m;  $\epsilon_r = 36.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2450 MHz, ConvF(8, 8, 8) @ 2450 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (51x71x1): Interpolated grid:**

dx=1.200 mm, dy=1.200 mm

Reference Value = 118.4 V/m; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 14.9 W/kg; SAR(10 g) = 6.79 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 25.9 W/kg

**2-3 GHz-Rev.3/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement**

grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 118.4 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 30.4 W/kg

SAR(1 g) = 13.7 W/kg; SAR(10 g) = 6.28 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 9 mm

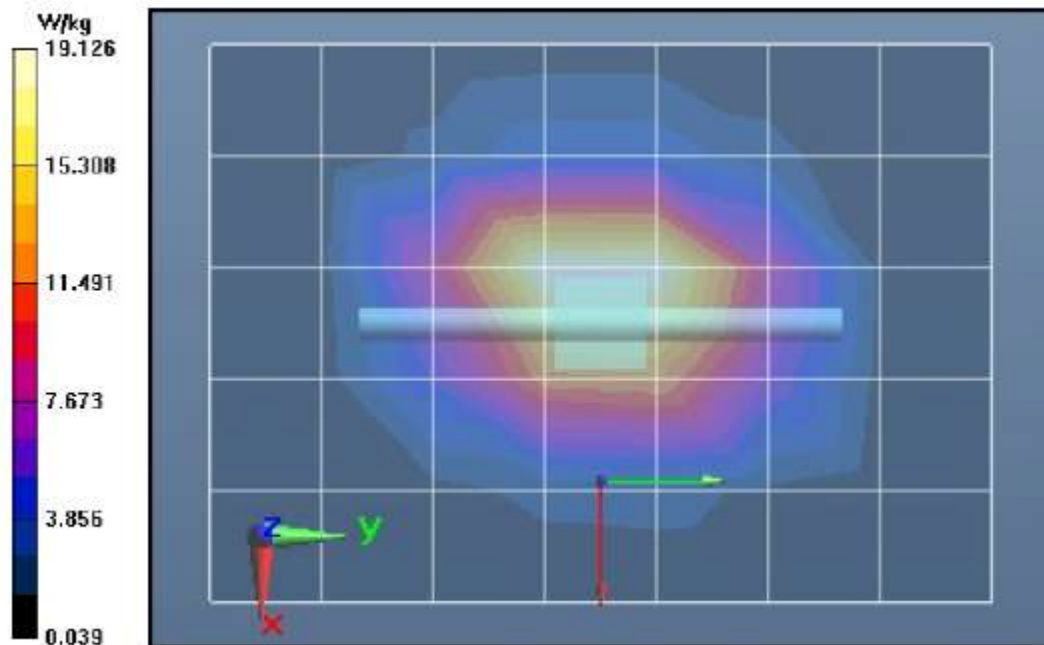
Ratio of SAR at M2 to SAR at M1 = 45.9%

Maximum value of SAR (measured) = 24.2 W/kg

**2-3 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:**

dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 24.4 W/kg





## **Appendix E**

### **DUT Scans**

**Table 15 – Assessments at the Body (WCDMA B2)****Motorola Solutions, Inc. EME Laboratory**

Date/Time: 4/11/2021 12:17:56 PM

Robot#: DASY5-PG-1 | Run#: MA-AB-210411-09  
 Model#: HKUN4112B (LEX L11n)  
 Phantom#: ELI4 1022  
 Tissue Temp: 20.2 (C)  
 Serial#: 790TWX2955  
 Antenna: AN000247A01 (Ant 2)  
 Test Freq: 1907.6000 (MHz)  
 Battery: PMNN4546A  
 Carry Acc: Front of DUT @ 10mm  
 Audio Acc: None  
 Start Power: 0.274 (W)

**Comments:**

Communication System Band: Band 2, UTRA/FDD (1850.0 - 1910.0 MHz), Communication System UID: 10011 - CAB,  
 Duty Cycle: 1:1.95434,

Medium parameters used:  $f = 1908 \text{ MHz}$ ;  $\sigma = 1.59 \text{ S/m}$ ;  $\epsilon_r = 51.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1907.6 MHz, ConvF(8.4, 8.4, 8.4) @ 1907.6 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x131x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Reference Value = 21.73 V/m; Power Drift = -0.17 dB

Fast SAR: SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.580 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.54 W/kg

**Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  
 $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 21.73 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.568 W/kg (SAR corrected for target medium)

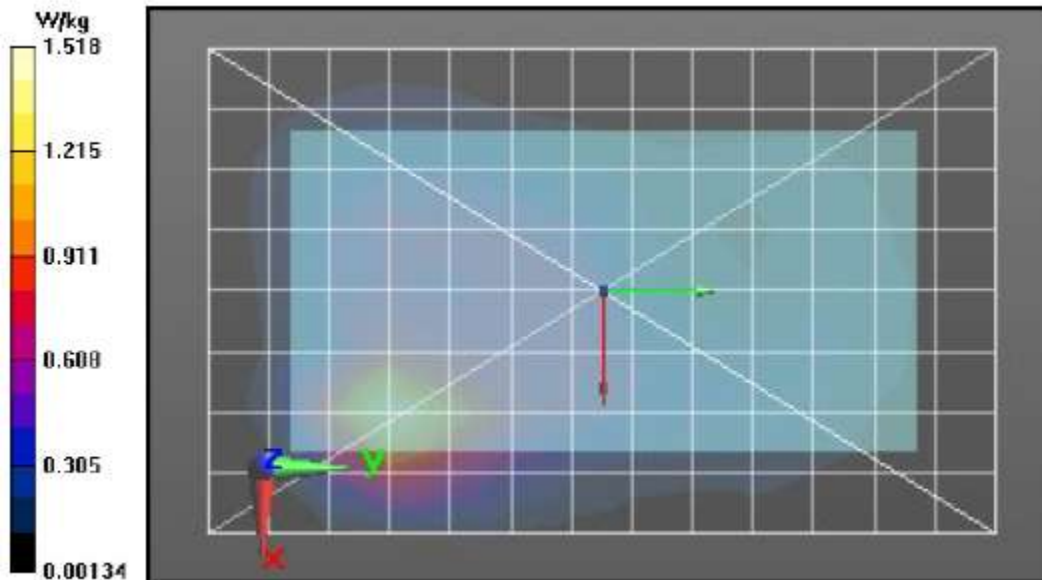
Smallest distance from peaks to all points 3 dB below = 13.4 mm

Ratio of SAR at M2 to SAR at M1 = 58.4%

Maximum value of SAR (measured) = 1.46 W/kg

**Below 2 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$ ,  
 $dz=10\text{mm}$

Maximum value of SAR (measured) = 1.53 W/kg



**Table 15 – Assessments at the Body (WLAN 2.4GHz)****Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/17/2021 3:19:40 AM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-AB-210317-04#  
 Model#: HKUN4112B (LEX L11n)  
 Phantom#: TP1174-1  
 Tissue Temp: 19.4 (C)  
 Serial#: 790TWX2961  
 Antenna: AN000249A01(Ant 7)  
 Test Freq: 2462.0000 (MHz)  
 Battery: PMNN4546A  
 Carry Acc: Front of DUT @ 10mm  
 Audio Acc: None  
 Start Power: 0.0687 (W)

**Comments:**

Communication System Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz), Communication System UID: 10415 - AAA, Duty Cycle: 1:1.4243,

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.06$  S/m;  $\epsilon_r = 50.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2462 MHz, ConvF(8.14, 8.14, 8.14) @ 2462 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**2-3 GHz-Rev.3/Ab Scan/1-Area Scan (111x161x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 10.75 V/m; Power Drift = -0.80 dB

Fast SAR: SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.080 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.264 W/kg

**2-3 GHz-Rev.3/Ab Scan/3-Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.75 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.350 W/kg

SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.087 W/kg (SAR corrected for target medium)

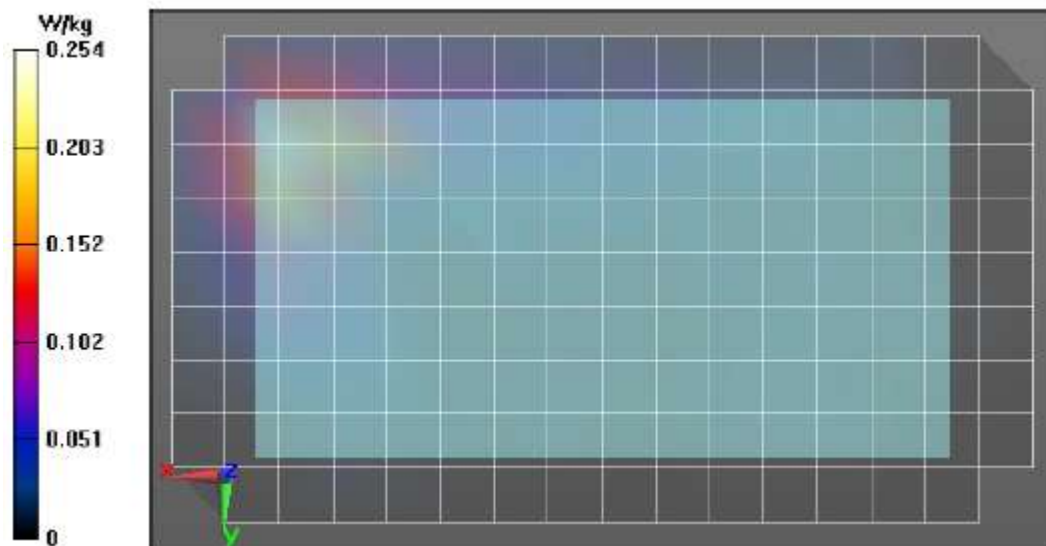
Smallest distance from peaks to all points 3 dB below = 10.8 mm

Ratio of SAR at M2 to SAR at M1 = 53.1%

Maximum value of SAR (measured) = 0.282 W/kg

**2-3 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.295 W/kg





**Table 15 – Assessments at the Body (WLAN 5GHz)****Motorola Solutions, Inc. EME Laboratory**

Date/Time: 1/29/2021 4:24:27 AM

Robot#: DASY5-PG-2 | Run#: AR-AB-210129-04#  
 Model#: HKUN4112B (LEX L11n)  
 Phantom#: ELI4 1028  
 Tissue Temp: 19.9 (C)  
 Serial#: 790TWX2961  
 Antenna: AN000243A01(Ant 4)+ AN000249A01(Ant 7)  
 Test Freq: 5620.0000 (MHz)  
 Battery: PMNN4546A  
 Carry Acc: Back of DUT @ 10mm  
 Audio Acc: None  
 Start Power: 0.0577 (W)

**Comments:**

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10583 - AAB, Duty Cycle: 1:7.22936,

Medium parameters used:  $f = 5620$  MHz;  $\sigma = 6.03$  S/m;  $\epsilon_r = 43.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Probe: EX3DV4 - SN7364, Calibrated: 8/20/2020, Frequency: 5620 MHz, ConvF(4.23, 4.23, 4.23) @ 5620 MHz

Electronics: DAE4 Sn1483, Calibrated: 8/12/2020

**4-6 GHz-Rev.5/Full Ab Scan/1-Area Scan (131x201x1):** Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 12.92 V/m; Power Drift = -0.31 dB

Fast SAR: SAR(1 g) = 0.379 W/kg; SAR(10 g) = 0.161 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.03 W/kg

**4-6 GHz-Rev.5/Full Ab Scan/2-Zoom Scan (11x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 12.92 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 4.00 W/kg

SAR(1 g) = 0.304 W/kg; SAR(10 g) = 0.124 W/kg (SAR corrected for target medium)

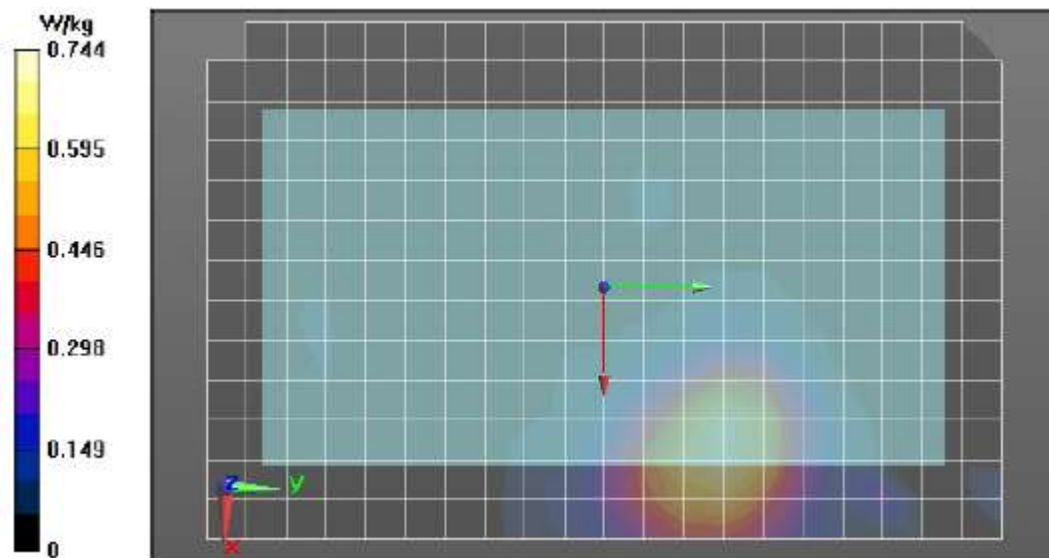
Smallest distance from peaks to all points 3 dB below = 12.9 mm

Ratio of SAR at M2 to SAR at M1 = 49%

Maximum value of SAR (measured) = 0.772 W/kg

**4-6 GHz-Rev.5/Full Ab Scan/3-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.763 W/kg



**Table 15 – Assessments at the Body (Bluetooth)****Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/17/2021 4:50:01 PM

Robot#: DASY5-PG-1 | Run#: MA-AB-210317-13#  
 Model#: HKUN4112B (LEX L11n)  
 Phantom#: TP1174-1  
 Tissue Temp: 20.2 (C)  
 Serial#: 790TWX2961  
 Antenna: AN000243A01(Ant 4)  
 Test Freq: 2402.0000 (MHz)  
 Battery: PMNN4546A  
 Carry Acc: Front of DUT @ 10mm  
 Audio Acc: None  
 Start Power: 0.0103 (W)

**Comments:**

Communication System Band: LEX L11 BT, Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.98$  S/m;  $\epsilon_r = 50.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2402 MHz, ConvF(8.14, 8.14, 8.14) @ 2402 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**2-3 GHz-Rev.3/Ab Scan/1-Area Scan (11x161x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 2.480 V/m; Power Drift = 0.04 dB

Fast SAR: SAR(1 g) = 0.00904 W/kg; SAR(10 g) = 0.00497 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0162 W/kg

**2-3 GHz-Rev.3/Ab Scan/3-Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.480 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.0250 W/kg

SAR(1 g) = 0.00451 W/kg; SAR(10 g) = 0.00172 W/kg (SAR corrected for target medium)

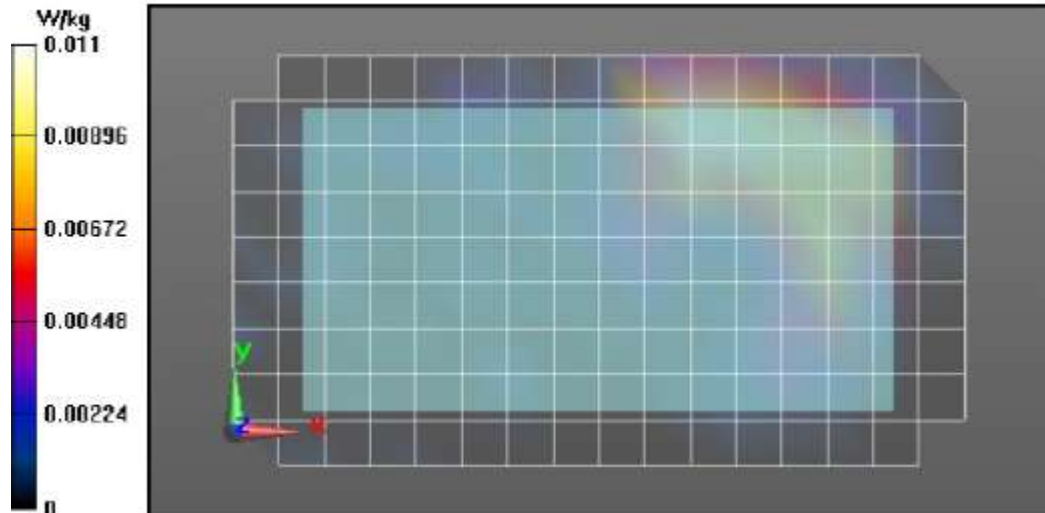
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 47.1%

Maximum value of SAR (measured) = 0.0126 W/kg

**2-3 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.0123 W/kg



**Table 16 – Assessments at the Hotspot (WCDMA B2)****Motorola Solutions, Inc. EME Laboratory**

Date/Time: 4/12/2021 1:36:22 PM

Robot#: DASY5-PG-1 | Run#: MA-AB-210412-08  
 Model#: HKUN4112B (LEX L11n)  
 Phantom#: ELI4 1022  
 Tissue Temp: 20.1 (C)  
 Serial#: 790TWX2955  
 Antenna: AN000247A01 (Ant 2)  
 Test Freq: 1880.0000 (MHz)  
 Battery: PMNN4546A  
 Carry Acc: Right Side of DUT @ 10mm  
 Audio Acc: None  
 Start Power: 0.280 (W)

**Comments:**

Communication System Band: Band 2, UTRA/FDD (1850.0 - 1910.0 MHz), Communication System UID: 10011 - CAB,  
 Duty Cycle: 1:1.95434,

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.54$  S/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1880 MHz, ConvF(8.4, 8.4, 8.4) @ 1880 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 31.11 V/m; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 1.37 W/kg; SAR(10 g) = 0.766 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.02 W/kg

**Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm,

dy=7.5mm, dz=5mm

Reference Value = 31.11 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.16 W/kg

SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.754 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 14.8 mm

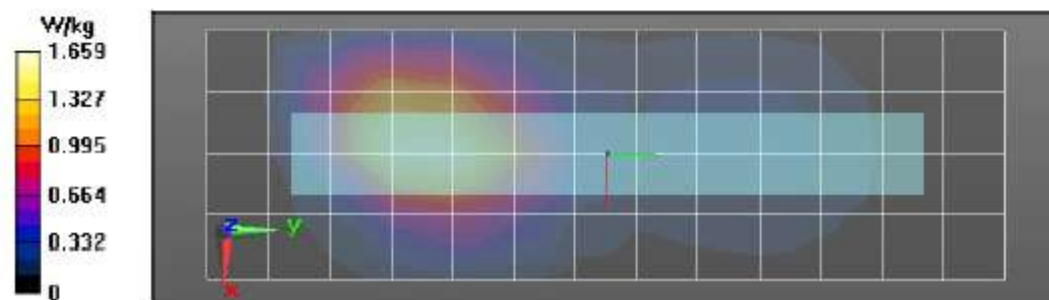
Ratio of SAR at M2 to SAR at M1 = 60%

Maximum value of SAR (measured) = 1.85 W/kg

**Below 2 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm,

dz=10mm

Maximum value of SAR (measured) = 1.86 W/kg





**Table 16 – Assessments at the Hotspot (WLAN 2.4GHz)****Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/17/2021 3:19:40 AM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-AB-210317-04#  
 Model#: HKUN4112B (LEX L11n)  
 Phantom#: TP1174-1  
 Tissue Temp: 19.4 (C)  
 Serial#: 790TWX2961  
 Antenna: AN000249A01(Ant 7)  
 Test Freq: 2462.0000 (MHz)  
 Battery: PMNN4546A  
 Carry Acc: Front of DUT @ 10mm  
 Audio Acc: None  
 Start Power: 0.0687 (W)

**Comments:**

Communication System Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz), Communication System UID: 10415 - AAA, Duty Cycle: 1:1.4243,

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.06$  S/m;  $\epsilon_r = 50.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2462 MHz, ConvF(8.14, 8.14, 8.14) @ 2462 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**2-3 GHz-Rev.3/Ab Scan/1-Area Scan (111x161x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 10.75 V/m; Power Drift = -0.80 dB

Fast SAR: SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.080 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.264 W/kg

**2-3 GHz-Rev.3/Ab Scan/3-Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.75 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.350 W/kg

SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.087 W/kg (SAR corrected for target medium)

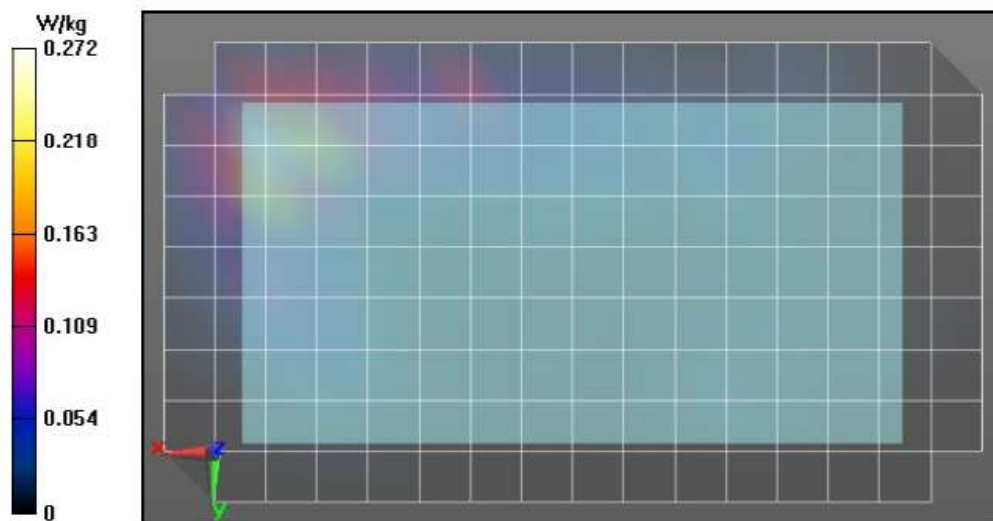
Smallest distance from peaks to all points 3 dB below = 10.8 mm

Ratio of SAR at M2 to SAR at M1 = 53.1%

Maximum value of SAR (measured) = 0.282 W/kg

**2-3 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.295 W/kg



**Table 16 – Assessments at the Hotspot (WLAN 5GHz)****Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/19/2021 8:05:15 PM

Robot#: DASY5-PG-2 | Run#: BL(MFR)-AB-210319-11#  
 Model#: HKUN4112B (LEX L11n)  
 Phantom#: TP1174/2  
 Tissue Temp: 20.3(C)  
 Serial#: 790TWX2961  
 Antenna: AN000243A01(Ant 4)+ AN000249A01(Ant 7)  
 Test Freq: 5240.0000 (MHz)  
 Battery: PMNN4546A  
 Carry Acc: Left Side of DUT @ 10 mm  
 Audio Acc: None  
 Start Power: 0.0571 (W)

**Comments:**

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10583 - AAB, Duty Cycle: 1:7.22936,

Medium parameters used:  $f = 5240$  MHz;  $\sigma = 5.46$  S/m;  $\epsilon_r = 44.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Probe: EX3DV4 - SN7364, Calibrated: 8/20/2020, Frequency: 5240 MHz, ConvF(4.8, 4.8, 4.8) @ 5240 MHz

Electronics: DAE4 Sn1483, Calibrated: 8/12/2020

**4-6 GHz-Rev.5/Full Ab Scan/1-Area Scan (51x201x1):** Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 11.27 V/m; Power Drift = 0.18 dB

Fast SAR: SAR(1 g) = 0.522 W/kg; SAR(10 g) = 0.195 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.17 W/kg

**4-6 GHz-Rev.5/Full Ab Scan/2-Zoom Scan (8x8x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 11.27 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 0.524 W/kg; SAR(10 g) = 0.187 W/kg (SAR corrected for target medium)

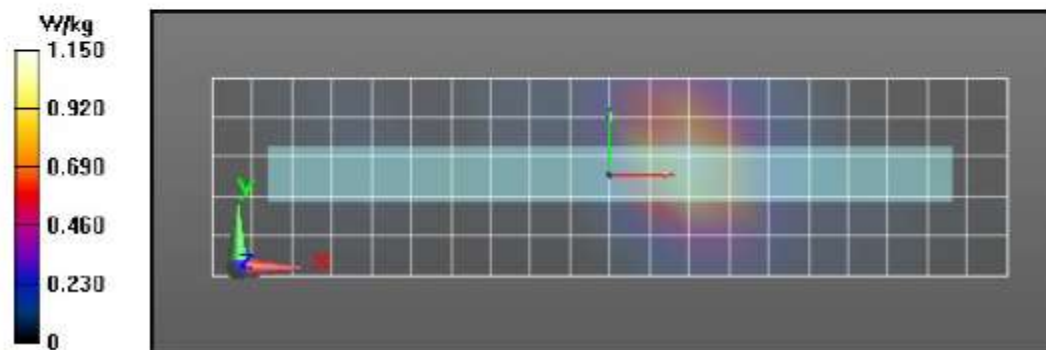
Smallest distance from peaks to all points 3 dB below = 11.1 mm

Ratio of SAR at M2 to SAR at M1 = 53.6%

Maximum value of SAR (measured) = 1.20 W/kg

**4-6 GHz-Rev.5/Full Ab Scan/3-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 1.22 W/kg



**Table 16 – Assessments at the Hotspot (Bluetooth)****Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/17/2021 4:50:01 PM

Robot#: DASY5-PG-1 | Run#: MA-AB-210317-13#  
 Model#: HKUN4112B (LEX L11n)  
 Phantom#: TP1174-1  
 Tissue Temp: 20.2 (C)  
 Serial#: 790TWX2961  
 Antenna: AN000243A01(Ant 4)  
 Test Freq: 2402.0000 (MHz)  
 Battery: PMNN4546A  
 Carry Acc: Front of DUT @ 10mm  
 Audio Acc: None  
 Start Power: 0.0103 (W)

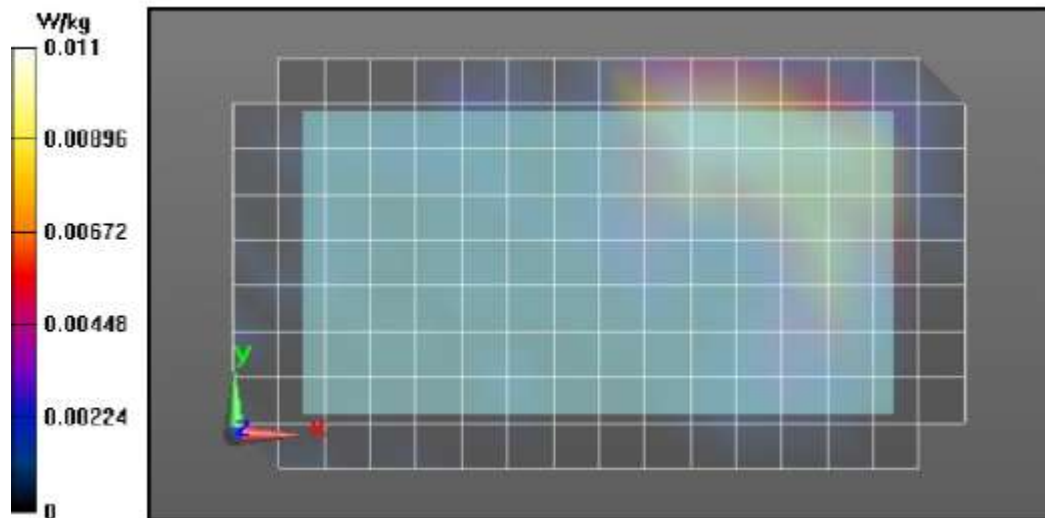
**Comments:**

Communication System Band: LEX L11 BT, Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.98$  S/m;  $\epsilon_r = 50.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2402 MHz, ConvF(8.14, 8.14, 8.14) @ 2402 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**2-3 GHz-Rev.3/Ab Scan/1-Area Scan (111x161x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm  
 Reference Value = 2.480 V/m; Power Drift = 0.04 dB  
 Fast SAR: SAR(1 g) = 0.00904 W/kg; SAR(10 g) = 0.00497 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 0.0162 W/kg

**2-3 GHz-Rev.3/Ab Scan/3-Zoom Scan (9x9x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
 Reference Value = 2.480 V/m; Power Drift = -0.02 dB  
 Peak SAR (extrapolated) = 0.0250 W/kg  
 SAR(1 g) = 0.00451 W/kg; SAR(10 g) = 0.00172 W/kg (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below: Larger than measurement grid  
 Ratio of SAR at M2 to SAR at M1 = 47.1%  
 Maximum value of SAR (measured) = 0.0126 W/kg

**2-3 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid:  $dx=20$ mm,  $dy=20$ mm,  $dz=10$ mm  
 Maximum value of SAR (measured) = 0.0123 W/kg





**Table 17 – Assessments at the Head (LTE B30)**

**Motorola Solutions, Inc. EME Laboratory**  
 Date/Time: 3/14/2021 2:45:26 AM

Robot#: DASY5-PG-1 | Run#: MA-REAR-210314-05#  
 Model#: HKUN4112B (LEX L11n)  
 Phantom#: SAMTP 1382  
 Tissue Temp: 20.3 (C)  
 Serial#: 790TWX2955  
 Antenna: AN000247A01 (Ant 2)  
 Test Freq: 2310.0000 (MHz)  
 Battery: PMNN4546A  
 Carry Acc: Touch  
 Audio Acc: None  
 Start Power: 0.202 (W)

Comments: Touch, 1RB, BW=10MHz, Offset=Mid

Communication System Band: Band 30, E-UTRA/FDD (2305.0 - 2315.0 MHz), Communication System UID: 10175 - CAG,  
 Duty Cycle: 1:3.73594,

Medium parameters used:  $f = 2310$  MHz;  $\sigma = 1.69$  S/m;  $\epsilon_r = 36.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2310 MHz, ConvF(8.35, 8.35, 8.35) @ 2310 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**2-3 GHz-Rev.3/Right Ear-Touch Position/1-Area Scan (91x151x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Reference Value = 23.71 V/m; Power Drift = -0.02 dB

Fast SAR: SAR(1 g) = 0.926 W/kg; SAR(10 g) = 0.494 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.43 W/kg

**2-3 GHz-Rev.3/Right Ear-Touch Position/3-Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

$dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 23.71 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 0.928 W/kg; SAR(10 g) = 0.514 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 11.3 mm

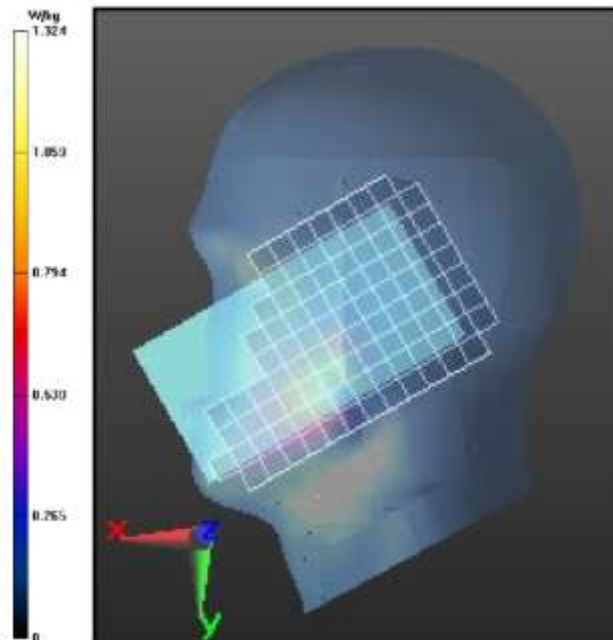
Ratio of SAR at M2 to SAR at M1 = 57.6%

Maximum value of SAR (measured) = 1.37 W/kg

**2-3 GHz-Rev.3/Right Ear-Touch Position/4-Z-Axis Scan (1x1x17):** Measurement grid:

$dx=20$ mm,  $dy=20$ mm,  $dz=10$ mm

Maximum value of SAR (measured) = 1.40 W/kg



**Table 17 – Assessments at the Head (WLAN 2.4GHz)**

**Motorola Solutions, Inc. EME Laboratory**  
Date/Time: 3/28/2021 12:12:17 AM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-LEAR-210328-01#  
 Model#: HKUN4112B (LEX L11n)  
 Phantom#: SAMTP 1384  
 Tissue Temp: 20.8 (C)  
 Serial#: 790TWX2961  
 Antenna: AN000249A01(Ant 7)  
 Test Freq: 2437(CH 6) (MHz)  
 Battery: PMNN4546A  
 Carry Acc: Touch  
 Audio Acc: None  
 Start Power: 0.0682 (W)

Comments: Touch

Communication System Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz), Communication System UID: 10415 - AAA, Duty Cycle: 1:1.4243,

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.84$  S/m;  $\epsilon_r = 35.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2437 MHz, ConvF(8, 8, 8) @ 2437 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**2-3 GHz-Rev.3/Left Ear-Touch position/1-Area Scan (91x191x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 22.00 V/m; Power Drift = -0.23 dB

Fast SAR: SAR(1 g) = 0.785 W/kg; SAR(10 g) = 0.363 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.46 W/kg

**2-3 GHz-Rev.3/Left Ear-Touch position/3-Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.00 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 2.20 W/kg

SAR(1 g) = 0.845 W/kg; SAR(10 g) = 0.346 W/kg (SAR corrected for target medium)

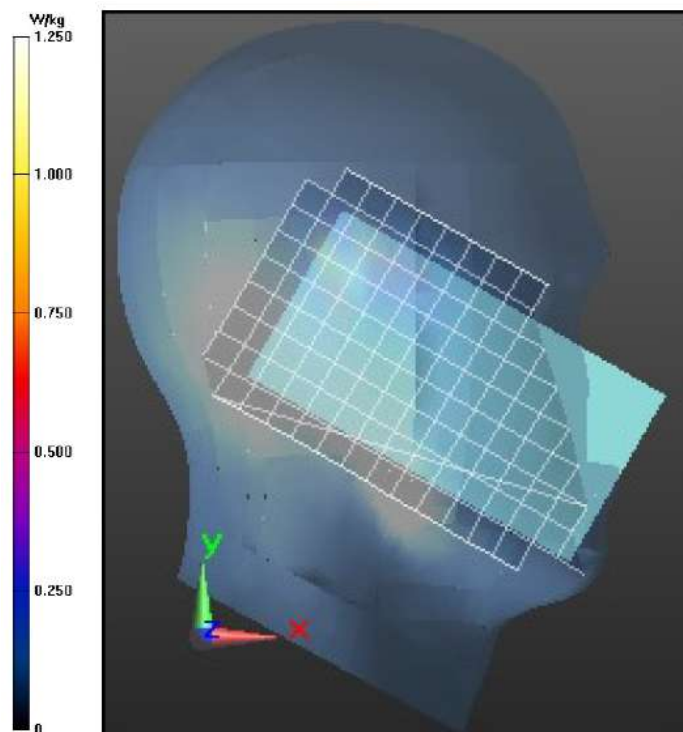
Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 38.7%

Maximum value of SAR (measured) = 1.66 W/kg

**2-3 GHz-Rev.3/Left Ear-Touch position/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 1.63 W/kg



**Table 17 – Assessments at the Head (WLAN 5GHz)****Motorola Solutions, Inc. EME Laboratory**

Date/Time: 4/20/2021 1:08:15 AM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-LEAR-210420-01#  
 Model#: HKUN4112B (LEX L11n)  
 Phantom#: SAMTP 1382  
 Tissue Temp: 19.8 (C)  
 Serial#: 790TWX2961  
 Antenna: AN000243A01(Ant 4)+ AN000249A01(Ant 7)  
 Test Freq: 5500.0000 (MHz)  
 Battery: PMNN4546A  
 Carry Acc: Touch  
 Audio Acc: None  
 Start Power: 0.0974 (W)

Comments: Full Scan; Touch

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10583 - AAB, Duty Cycle: 1:7.22936,

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 4.59$  S/m;  $\epsilon_r = 33.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 5500 MHz, ConvF(5.17, 5.17, 5.17) @ 5500 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**4-6 GHz-Rev.5/Full Scan Left Ear-Touch Position/1-Area Scan (131x221x1): Interpolated**

grid:  $dx=0.9000$  mm,  $dy=0.9000$  mm

Reference Value = 20.38 V/m; Power Drift = -0.39 dB

Fast SAR: SAR(1 g) = 0.824 W/kg; SAR(10 g) = 0.248 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.45 W/kg

**4-6 GHz-Rev.5/Full Scan Left Ear-Touch Position/2-Zoom Scan (9x9x12)/Cube 0:**

Measurement grid:  $dx=4$  mm,  $dy=4$  mm,  $dz=2$  mm

Reference Value = 20.38 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 4.11 W/kg

SAR(1 g) = 0.879 W/kg; SAR(10 g) = 0.255 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 4.8 mm

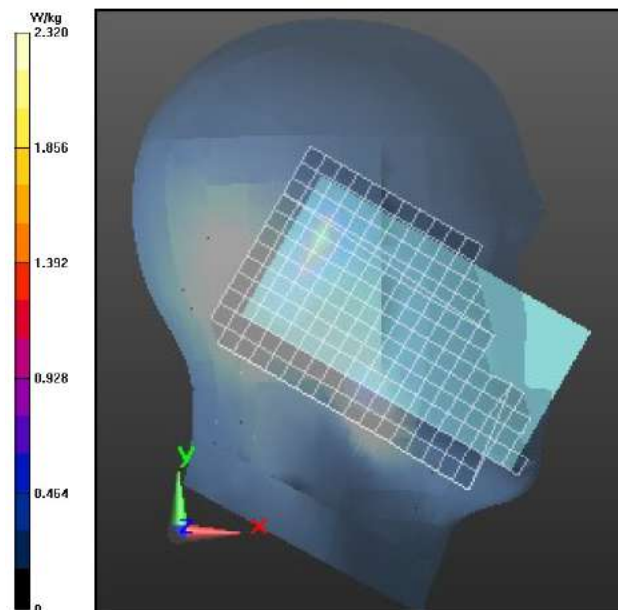
Ratio of SAR at M2 to SAR at M1 = 52%

Maximum value of SAR (measured) = 2.13 W/kg

**4-6 GHz-Rev.5/Full Scan Left Ear-Touch Position/3-Z-Axis Scan (1x1x17): Measurement**

grid:  $dx=20$  mm,  $dy=20$  mm,  $dz=10$  mm

Maximum value of SAR (measured) = 2.19 W/kg





**Table 17 – Assessments at the Head (Bluetooth)**

**Motorola Solutions, Inc. EME Laboratory**  
**Date/Time: 3/18/2021 3:19:20 PM**

Robot#: DASY5-PG-1 | Run#: MA(AF)-REAR-210318-06  
 Model#: HKUN4112B (LEX L11n)  
 Phantom#: SAMTP 1382  
 Tissue Temp: 20.5 (C)  
 Serial#: 790TWX2961  
 Antenna: AN000243A01 (Ant 4)  
 Test Freq: 2402.0000 (MHz)  
 Battery: PMNN4546A  
 Carry Acc: Touch  
 Audio Acc: None  
 Start Power: 0.0103 (W)

Comments: Touch

Communication System Band: LEX L11 BT, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.76$  S/m;  $\epsilon_r = 35.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Probe: EX3DV4 - SN7364, Calibrated: 8/20/2020, Frequency: 2402 MHz, CouvF(7.67, 7.67, 7.67) @ 2402 MHz

Electronics: DAE4 Sn1483, Calibrated: 8/12/2020

**2-3 GHz-Rev.3/Right Ear-Touch Position/1-Area Scan (91x181x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Reference Value = 4.404 V/m; Power Drift = -0.29 dB

Fast SAR: SAR(1 g) = 0.044 W/kg; SAR(10 g) = 0.021 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0714 W/kg

**2-3 GHz-Rev.3/Right Ear-Touch Position/3-Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

$dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.404 V/m; Power Drift = -0.23 dB

Peak SAR (extrapolated) = 0.136 W/kg

SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.00905 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

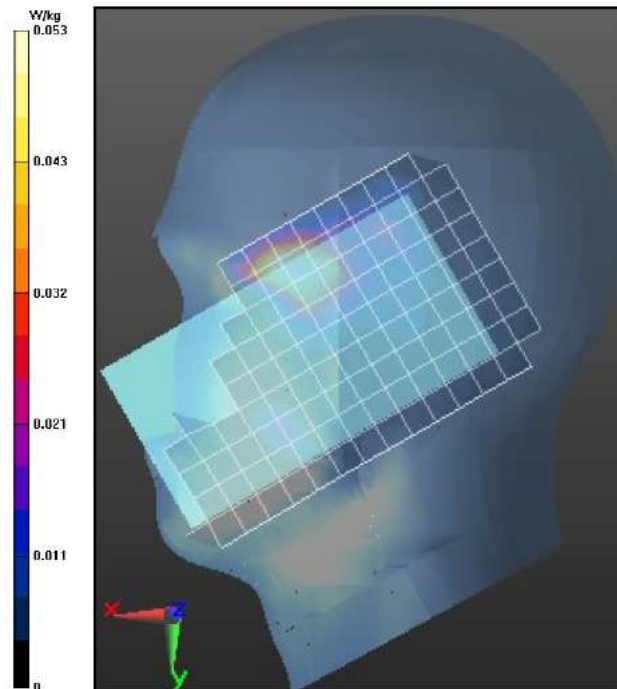
Ratio of SAR at M2 to SAR at M1 = 47.4%

Maximum value of SAR (measured) = 0.0687 W/kg

**2-3 GHz-Rev.3/Right Ear-Touch Position/4-Z-Axis Scan (1x1x17):** Measurement grid:

$dx=20$ mm,  $dy=20$ mm,  $dz=10$ mm

Maximum value of SAR (measured) = 0.0657 W/kg



**Table 18 – Assessments for Phablet condition (Product Specific 10g SAR Exposure)****Motorola Solutions, Inc. EME Laboratory**

Date/Time: 5/1/2021 1:16:44 PM

Robot#: DASY5-PG-1 | Run#: BL(MHI)-AB-210501-09  
 Model#: HKUN4112B (LEX L11n)  
 Phantom#: ELI4 1109  
 Tissue Temp: 21.0 (C)  
 Serial#: 790TWX2955  
 Antenna: AN000247A01 (Ant 2)  
 Test Freq: 1752.6000 (MHz)  
 Battery: PMNN4546A  
 Carry Acc: Right Side of DUT @ 0mm  
 Audio Acc: None  
 Start Power: 0.251 (W)

## Comments:

Communication System Band: Band 4, UTRA/FDD (1710.0 - 1755.0 MHz), Communication System UID: 10011 - CAB,  
 Duty Cycle: 1:1.95434,

Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.41$  S/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1752.6 MHz, ConvF(8.79, 8.79, 8.79) @ 1752.6 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (131x31x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 66.00 V/m; Power Drift = -0.16 dB

Fast SAR: SAR(10 g) = 3.13 W/kg (SAR corrected for target medium)

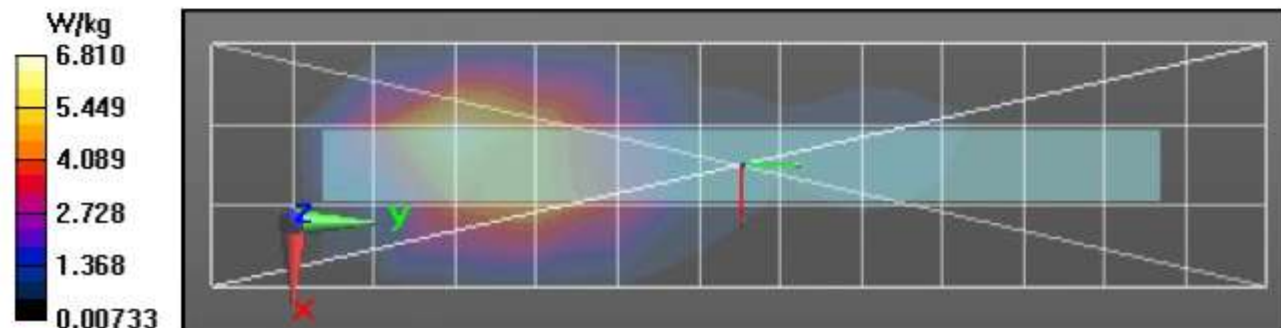
**Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 66.00 V/m; Power Drift = -0.15 dB

SAR(10 g) = 2.7 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 7.5 mm

Ratio of SAR at M2 to SAR at M1 = 38.2%

**Below 2 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

**Table 19 – Assessments for ISED Canada (Hotspot)****Motorola Solutions, Inc. EME Laboratory**

Date/Time: 4/12/2021 2:16:26 PM

Robot#: DASY5-PG-1 | Run#: MA-AB-210412-09  
 Model#: HKUN4112B (LEX L11n)  
 Phantom#: ELI4 1022  
 Tissue Temp: 19.9 (C)  
 Serial#: 790TWX2955  
 Antenna: AN000247A01 (Ant 2)  
 Test Freq: 1907.6000 (MHz)  
 Battery: PMNN4546A  
 Carry Acc: Right Side of DUT @ 10mm  
 Audio Acc: None  
 Start Power: 0.274 (W)

**Comments:**

Communication System Band: Band 2, UTRA/FDD (1850.0 - 1910.0 MHz), Communication System UID: 10011 - CAB,  
 Duty Cycle: 1:1.95434,

Medium parameters used:  $f = 1908 \text{ MHz}$ ;  $\sigma = 1.57 \text{ S/m}$ ;  $\epsilon_r = 52.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1907.6 MHz, ConvF(8.4, 8.4, 8.4) @ 1907.6 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x131x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Reference Value = 31.65 V/m; Power Drift = -0.14 dB

Fast SAR: SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.699 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.84 W/kg

**Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=7.5 \text{ mm}$ ,  
 $dy=7.5 \text{ mm}$ ,  $dz=5 \text{ mm}$

Reference Value = 31.65 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.95 W/kg

SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.684 W/kg (SAR corrected for target medium)

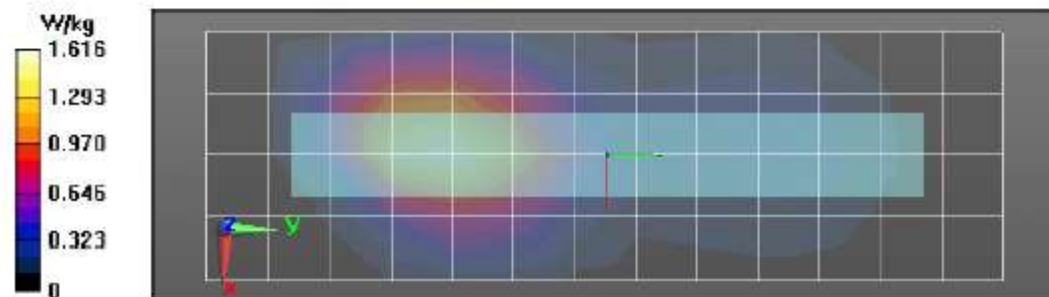
Smallest distance from peaks to all points 3 dB below = 13.5 mm

Ratio of SAR at M2 to SAR at M1 = 59.6%

Maximum value of SAR (measured) = 1.66 W/kg

**Below 2 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid:  $dx=20 \text{ mm}$ ,  $dy=20 \text{ mm}$ ,  
 $dz=10 \text{ mm}$

Maximum value of SAR (measured) = 1.64 W/kg





**Table 19 – Assessments for ISED Canada (Head)**

**Motorola Solutions, Inc. EME Laboratory**  
**Date/Time: 4/19/2021 11:24:30 PM**

Robot#: DASY5-PG-1 | Run#: AR(FZ)-LEAR-210419-13  
 Model#: HKUN4112B (LEX L11n)  
 Phantom#: SAMTP 1382  
 Tissue Temp: 19.8 (C)  
 Serial#: 790TWX2961  
 Antenna: AN000243A01(Ant 4)+ AN000249A01(Ant 7)  
 Test Freq: 5720.0000 (MHz)  
 Battery: PMNN4546A  
 Carry Acc: Touch  
 Audio Acc: None  
 Start Power: 0.103 (W)

Comments: Full Scan; Touch

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10583 - AAB, Duty Cycle: 1:7.22936,

Medium parameters used:  $f = 5720$  MHz,  $\sigma = 4.81$  S/m,  $\epsilon_r = 33.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 5720 MHz, ConvF(5.04, 5.04, 5.04) @ 5720 MHz  
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**4-6 GHz-Rev.5/Full Scan Left Ear-Touch Position/1-Area Scan (131x221x1): Interpolated**

grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 19.15 V/m; Power Drift = -0.45 dB

Fast SAR: SAR(1 g) = 0.584 W/kg; SAR(10 g) = 0.168 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.89 W/kg

**4-6 GHz-Rev.5/Full Scan Left Ear-Touch Position/2-Zoom Scan (8x8x12)/Cube 0:**

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 19.15 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 3.39 W/kg

SAR(1 g) = 0.669 W/kg; SAR(10 g) = 0.180 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 5.4 mm

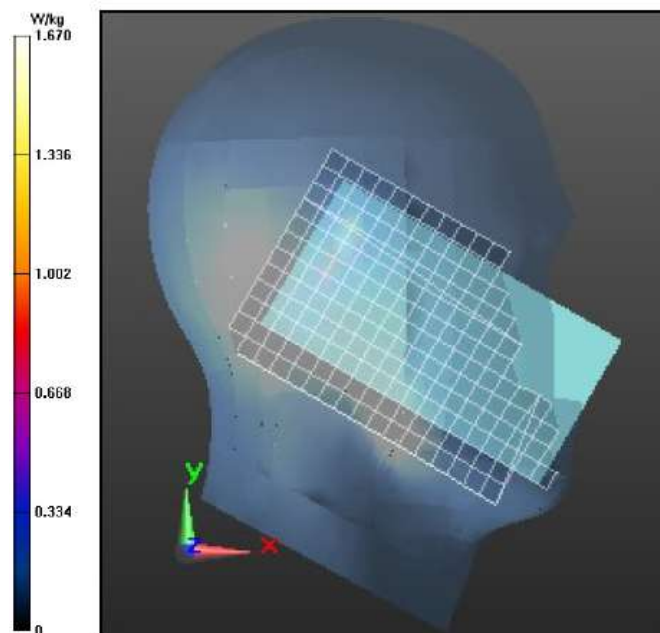
Ratio of SAR at M2 to SAR at M1 = 49.4%

Maximum value of SAR (measured) = 1.89 W/kg

**4-6 GHz-Rev.5/Full Scan Left Ear-Touch Position/3-Z-Axis Scan (1x1x17): Measurement**

grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 1.55 W/kg



**Table 19 – Assessments for ISED Canada (Body)****Motorola Solutions, Inc. EME Laboratory**

Date/Time: 4/11/2021 12:17:56 PM

Robot#: DASY5-PG-1 | Run#: MA-AB-210411-09  
 Model#: HKUN4112B (LEX L11n)  
 Phantom#: ELI4 1022  
 Tissue Temp: 20.2 (C)  
 Serial#: 790TWX2955  
 Antenna: AN000247A01 (Ant 2)  
 Test Freq: 1907.6000 (MHz)  
 Battery: PMNN4546A  
 Carry Acc: Front of DUT @ 10mm  
 Audio Acc: None  
 Start Power: 0.274 (W)

**Comments:**

Communication System Band: Band 2, UTRA/FDD (1850.0 - 1910.0 MHz), Communication System UID: 10011 - CAB,  
 Duty Cycle: 1:1.95434,

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.59$  S/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1907.6 MHz, ConvF(8.4, 8.4, 8.4) @ 1907.6 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

**Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 21.73 V/m; Power Drift = -0.17 dB

Fast SAR: SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.580 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.54 W/kg

**Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5$ mm,

$dy=7.5$ mm,  $dz=5$ mm

Reference Value = 21.73 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.568 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 13.4 mm

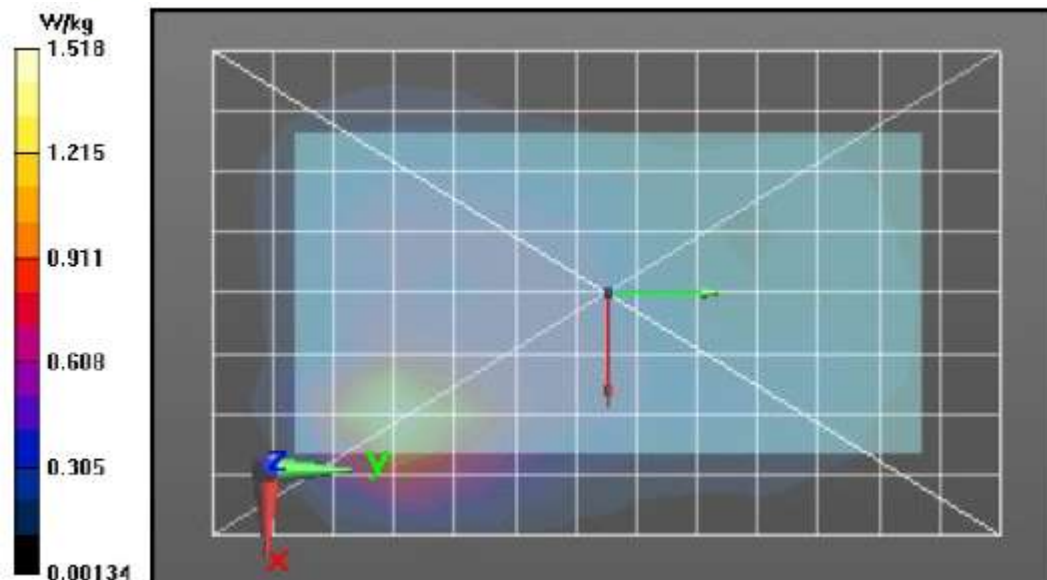
Ratio of SAR at M2 to SAR at M1 = 58.4%

Maximum value of SAR (measured) = 1.46 W/kg

**Below 2 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid:  $dx=20$ mm,  $dy=20$ mm,

$dz=10$ mm

Maximum value of SAR (measured) = 1.53 W/kg



## **APPENDIX F**

### **DUT Test Position Photos**



## 1.0 Highest SAR Test Position per location

### 1.1 Body

Front of DUT and battery PMNN4546A positioned 10mm away from the phantom without any other accessories attached.



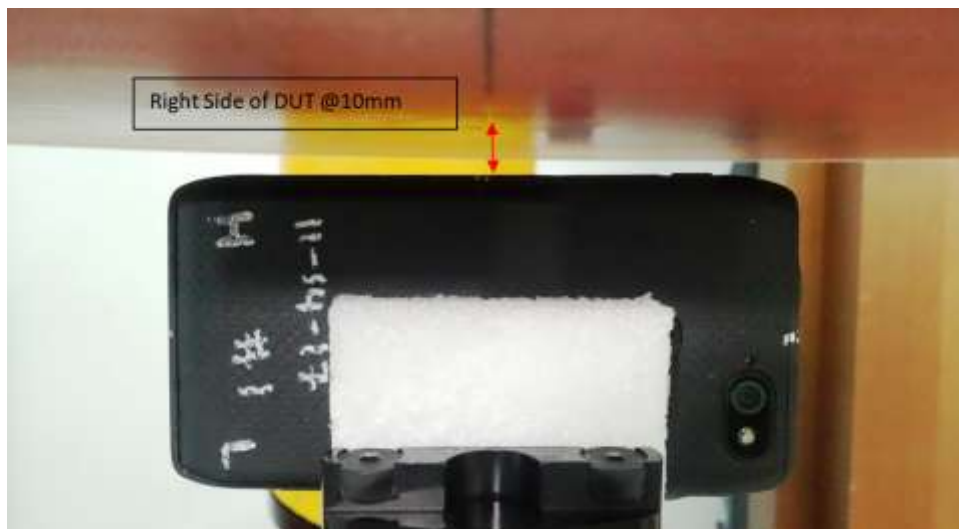
### 1.2 Head

DUT with battery PMNN4546A positioned against the phantom in a right cheek touch position without any other accessory attached.



### 1.3 Hotspot

Right Side of DUT with battery PMNN4546A positioned 10mm away from the phantom without any other accessories attached.



## **APPENDIX G**

### **DUT, Body worn and audio accessories Photos**

**For other accessories, please refer to original filing report**