

 <b>MOTOROLA SOLUTIONS</b>	  <p>MS ISO/IEC 17025 TESTING SAMM No. 0826</p>	  <p>ACCREDITED CERTIFICATE 2518.05</p>
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**DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2**

<p><b>Motorola Solutions Inc.</b>  <b>EME Test Laboratory</b>                  Motorola Solutions Malaysia Sdn Bhd                  Plot 2A, Medan Bayan Lepas,                  Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.</p>	<p><b>Date of Report:</b>      04/20/2020  <b>Report Revision:</b>    B</p>
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<p><b>Responsible Engineer:</b>  <b>Report Author:</b>  <b>Date/s Tested:</b>  <b>Manufacturer:</b>  <b>DUT Description:</b>  <b>Test TX mode(s):</b>  <b>Max. Power output:</b>  <b>Nominal Power:</b>  <b>Tx Frequency Bands:</b>  <b>Signaling type:</b>  <b>Model(s) Tested:</b>  <b>Model(s) Certified:</b>    <b>Serial Number(s):</b>  <b>Classification:</b>  <b>Applicant Name:</b>  <b>Applicant Address:</b>  <b>FCC ID:</b>    <b>IC:</b>    <b>ISED Test Site registration:</b>  <b>FCC Test Firm Registration Number:</b></p>	<p>Ch'ng Jian Sheng                  Ch'ng Jian Sheng                  01/07/2020 - 01/13/2020, 01/15/2020, 01/21/2020                  Motorola Solutions Inc.                  Handheld Portable – CP100d 136-174M 5W FKP                  CW (PTT)                  6.0 W                  5.0 W                  136-174MHz                  FM, TDMA                  AAH87JDF9JA2AN (PMUD3484A)                  AAH87JDF9JA2AN (PMUD3484A), AAH87JDC9JA2AN (PMUD3486A),                  AAH87JDH9JA2AN (PMUD3485A)                  278TVZ3129                  Occupational/Controlled                  Motorola Solutions Inc.                  8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322                  AZ489FT3847; 150.8-173.4MHz                  This report contains results that are immaterial for FCC equipment approval, which are clearly identified.                  109U-89FT3847; 138-174MHz                  This report contains results that are immaterial for ISED equipment approval, which are clearly identified.                  24843                  823256</p> <p>The test results clearly demonstrate compliance with FCC Occupational/Controlled RF Exposure limits of 8 W/kg averaged over 1 gram per the requirements of FCC 47 CFR § 2.1093 and RSS-102 (Issue 5).</p>
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**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.**

**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.**

 <b>Tiong Nguk Ing</b> <b>Deputy Technical Manager (Approved Signatory)</b> <b>Approval Date: 4/20/2020</b>	
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## **Appendix D**

### **System Verification Check Scans**

**Motorola Solutions, Inc. EME Laboratory**  
Date/Time: 1/7/2020 10:13:08 AM

Robot#: DASY5-PG-4 | Run#: AM(MA)-SYSP-150H-200107-01  
Dipole Model# CLA150  
Phantom#: ELI4 1108  
Tissue Temp: 22.2 (C)  
Serial#: 4005  
Test Freq: 150.0000 (MHz)  
Start Power: 1000 (mW)  
Rotation (1D): 0.049 dB  
Adjusted SAR (1W): 3.61 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used:  $f = 150$  MHz;  $\sigma = 0.75$  S/m;  $\epsilon_r = 50.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 150 MHz, ConvF(12.15, 12.15, 12.15) @ 150 MHz  
Electronics: DAE4 Sn729, Calibrated: 10/16/2019

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):**

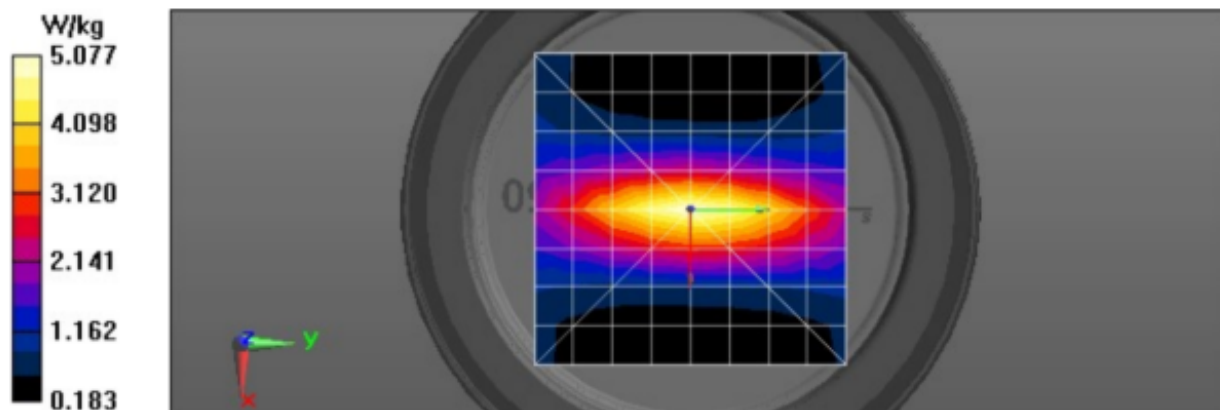
Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 82.39 V/m; Power Drift = -0.03 dB  
Fast SAR: SAR(1 g) = 4.24 W/kg; SAR(10 g) = 3.01 W/kg (SAR corrected for target medium)  
Maximum value of SAR (interpolated) = 5.14 W/kg

**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 = 82.39 V/m; Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 6.24 W/kg  
SAR(1 g) = 3.61 W/kg; SAR(10 g) = 2.36 W/kg (SAR corrected for target medium)  
Maximum value of SAR (measured) = 5.10 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) = 5.13 W/kg



### Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/8/2020 9:31:23 AM

Robot#: DASY5-PG-4 | Run#: AM(MA)-SYSP-150H-200108-10  
Dipole Model# CLA150  
Phantom#: ELI4 1108  
Tissue Temp: 21.9 (C)  
Serial#: 4005  
Test Freq: 150.0000 (MHz)  
Start Power: 1000 (mW)  
Rotation (1D): 0.057 dB  
Adjusted SAR (1W): 3.93 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used:  $f = 150$  MHz;  $\sigma = 0.72$  S/m;  $\epsilon_r = 49.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 150 MHz, ConvF(12.15, 12.15, 12.15) @ 150 MHz  
Electronics: DAE4 Sn729, Calibrated: 10/16/2019

#### Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):

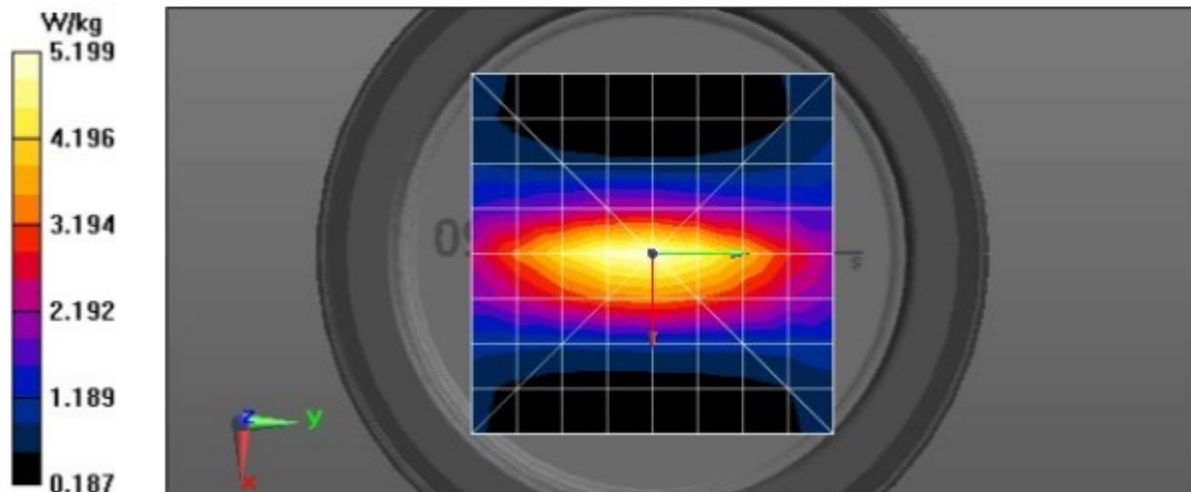
Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 86.90 V/m; Power Drift = -0.01 dB  
Fast SAR: SAR(1 g) = 4.6 W/kg; SAR(10 g) = 3.27 W/kg (SAR corrected for target medium)  
Maximum value of SAR (interpolated) = 5.41 W/kg

#### 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 = 86.90 V/m; Power Drift = -0.01 dB  
Peak SAR (extrapolated) = 6.65 W/kg  
SAR(1 g) = 3.93 W/kg; SAR(10 g) = 2.58 W/kg (SAR corrected for target medium)  
Maximum value of SAR (measured) = 5.42 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) = 5.46 W/kg



### Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/9/2020 2:14:06 PM

Robot#: DASY5-PG-4 | Run#: AM(MA)-SYSP-150H-200109-5  
Dipole Model# CLA150  
Phantom#: ELI4 1108  
Tissue Temp: 22.0 (C)  
Serial#: 4005  
Test Freq: 150.0000 (MHz)  
Start Power: 1000 (mW)  
Rotation (1D): 0.051 dB  
Adjusted SAR (1W): 3.82 mW/g (1g)

Comments: |

Duty Cycle: 1:1, Medium parameters used:  $f = 150$  MHz;  $\sigma = 0.76$  S/m;  $\epsilon_r = 50.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 150 MHz, ConvF(12.15, 12.15, 12.15) @ 150 MHz  
Electronics: DAE4 Sn729, Calibrated: 10/16/2019

#### Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):

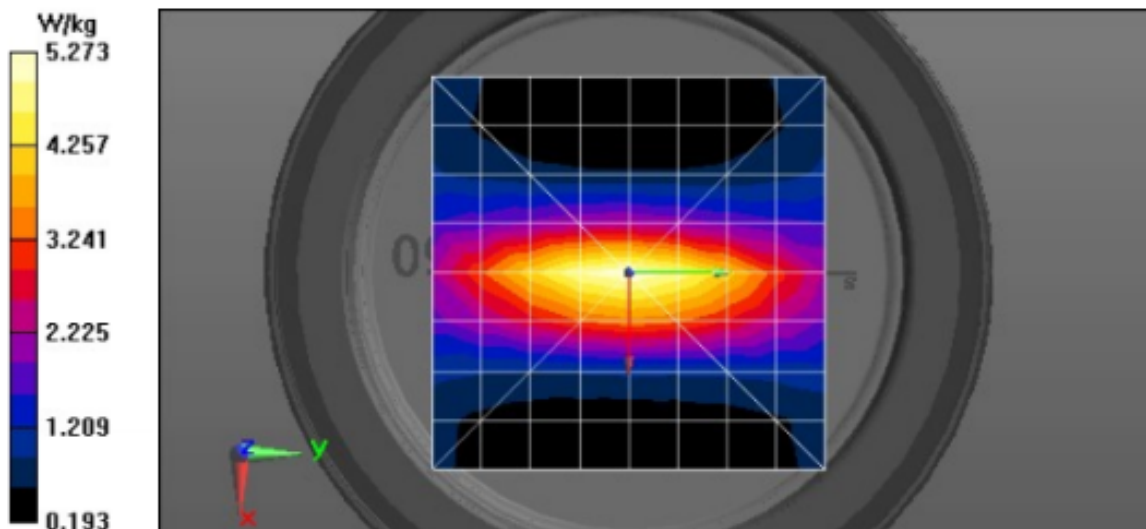
Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 85.00 V/m; Power Drift = 0.03 dB  
Fast SAR: SAR(1 g) = 4.45 W/kg; SAR(10 g) = 3.17 W/kg (SAR corrected for target medium)  
Maximum value of SAR (interpolated) = 5.44 W/kg

#### 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 = 85.00 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 6.77 W/kg  
SAR(1 g) = 3.82 W/kg; SAR(10 g) = 2.48 W/kg (SAR corrected for target medium)  
Maximum value of SAR (measured) = 5.50 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) = 5.53 W/kg



**Motorola Solutions, Inc. EME Laboratory**  
 Date/Time: 1/10/2020 4:12:38 PM

Robot#: DASY5-PG-4 | Run#: AM(MA)-SYSP-150H-200110-07  
 Dipole Model#: CLA150  
 Phantom#: ELI4 1108  
 Tissue Temp: 21.6 (C)  
 Serial#: 4005  
 Test Freq: 150.0000 (MHz)  
 Start Power: 1000 (mW)  
 Rotation (1D): 0.064 dB  
 Adjusted SAR (1W): 3.82 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used:  $f = 150$  MHz;  $\sigma = 0.73$  S/m;  $\epsilon_r = 50.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 150 MHz, ConvF(12.15, 12.15, 12.15) @ 150 MHz  
 Electronics: DAE4 Sn729, Calibrated: 10/16/2019

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):**

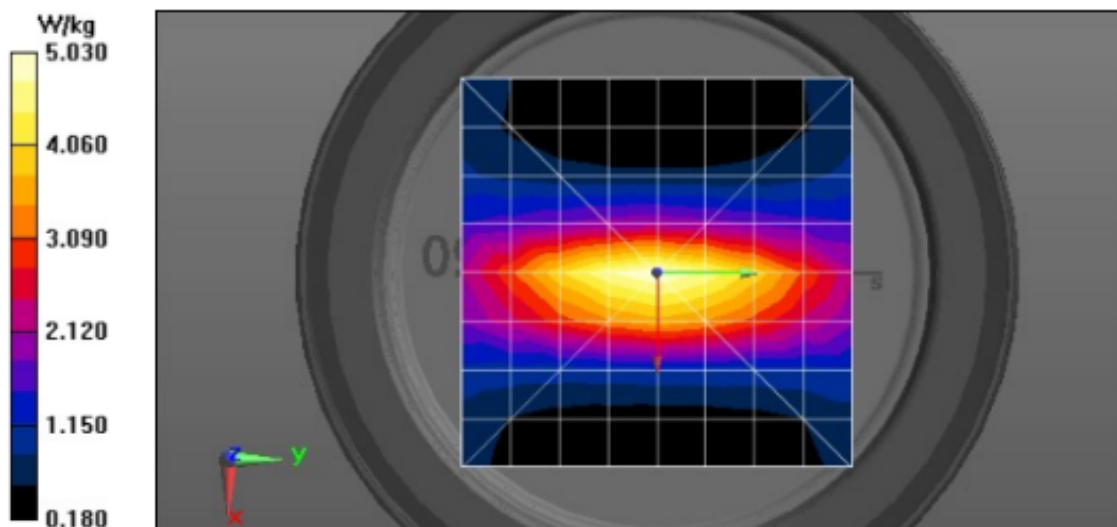
Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 85.23 V/m; Power Drift = -0.00 dB  
**Fast SAR: SAR(1 g) = 4.46 W/kg; SAR(10 g) = 3.17 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 5.29 W/kg

**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 = 85.23 V/m; Power Drift = -0.00 dB  
 Peak SAR (extrapolated) = 6.50 W/kg  
**SAR(1 g) = 3.82 W/kg; SAR(10 g) = 2.51 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (measured) = 5.29 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) = 5.35 W/kg



**Motorola Solutions, Inc. EME Laboratory**  
Date/Time: 1/12/2020 2:32:45 AM

Robot#: DASY5-PG-4 | Run#: AN-SYSP-150H-200112-01  
Dipole Model#: CLA150  
Phantom#: ELI4 1108  
Tissue Temp: 22.1 (C)  
Serial#: 4005  
Test Freq: 150.0000 (MHz)  
Start Power: 1000 (mW)  
Rotation (1D): 0.065 dB  
Adjusted SAR (1W): 4.05 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used:  $f = 150$  MHz;  $\sigma = 0.8$  S/m;  $\epsilon_r = 51.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 150 MHz, ConvF(12.15, 12.15, 12.15) @ 150 MHz  
Electronics: DAE4 Sn729, Calibrated: 10/16/2019

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):**

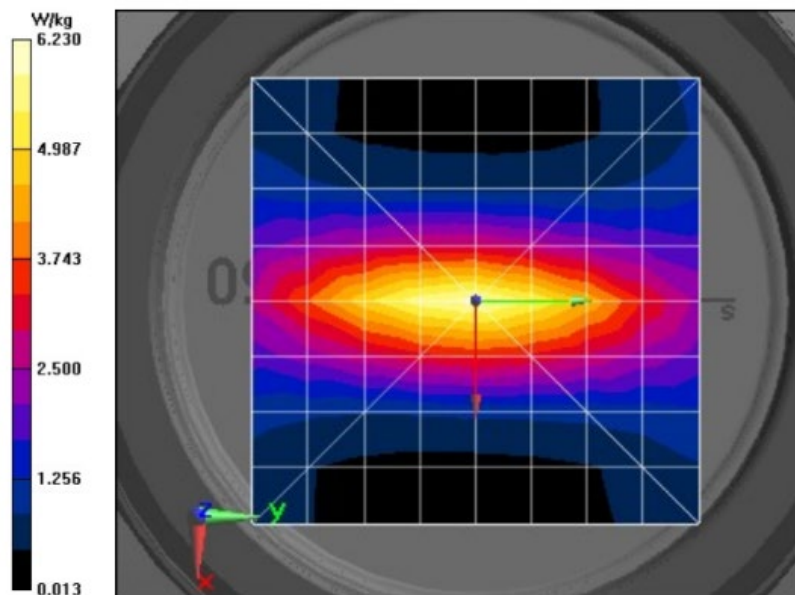
Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 89.14 V/m; Power Drift = -0.17 dB  
**Fast SAR: SAR(1 g) = 4.78 W/kg; SAR(10 g) = 3.4 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (interpolated) = 6.07 W/kg

**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 = 89.14 V/m; Power Drift = -0.17 dB  
Peak SAR (extrapolated) = 7.42 W/kg  
**SAR(1 g) = 4.05 W/kg; SAR(10 g) = 2.66 W/kg** (SAR corrected for target medium)  
Maximum value of SAR (measured) = 6.05 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) = 6.23 W/kg



**Motorola Solutions, Inc. EME Laboratory**  
Date/Time: 1/13/2020 5:28:27 AM

Robot#: DASY5-PG-4 | Run#: AN-SYSP-150H-200113-01  
 Dipole Model#: CLA150  
 Phantom#: EL14 1108  
 Tissue Temp: 22.4 (C)  
 Serial#: 4005  
 Test Freq: 150.0000 (MHz) |  
 Start Power: 1000 (mW)  
 Rotation (1D): 0.066 dB  
 Adjusted SAR (1W): 3.69 mW/g (1g)

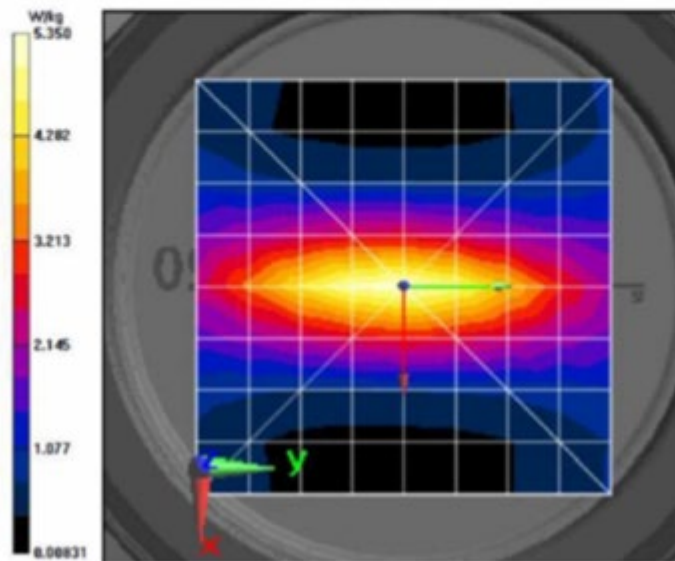
Comments:

Duty Cycle: 1:1, Medium parameters used:  $f = 150$  MHz;  $\sigma = 0.78$  S/m;  $\epsilon_r = 54.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 150 MHz, ConvF(12.15, 12.15, 12.15) @ 150 MHz  
 Electronics: DAE4 Sn729, Calibrated: 10/16/2019

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 33.19 V/m; Power Drift = 0.04 dB  
 Fast SAR: SAR(1 g) = 4.36 W/kg; SAR(10 g) = 3.1 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 5.33 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 = 33.19 V/m; Power Drift = 0.04 dB  
 Peak SAR (extrapolated) = 6.52 W/kg  
 SAR(1 g) = 3.69 W/kg; SAR(10 g) = 2.4 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (measured) = 5.33 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) = 5.35 W/kg





**Motorola Solutions, Inc. EME Laboratory**  
Date/Time: 1/15/2020 6:22:57 AM

Robot#: DASY5-PG-4 | Run#: AN-SYSP-150H-200115-07  
Dipole Model#: CLA150  
Phantom#: EL14 1108  
Tissue Temp: 22.4 (C)  
Serial#: 4005  
Test Freq: 150.0000 (MHz)  
Start Power: 1000 (mW)  
Rotation (1D): 0.15 dB  
Adjusted SAR (1W): 4.08 mW/g (1g)

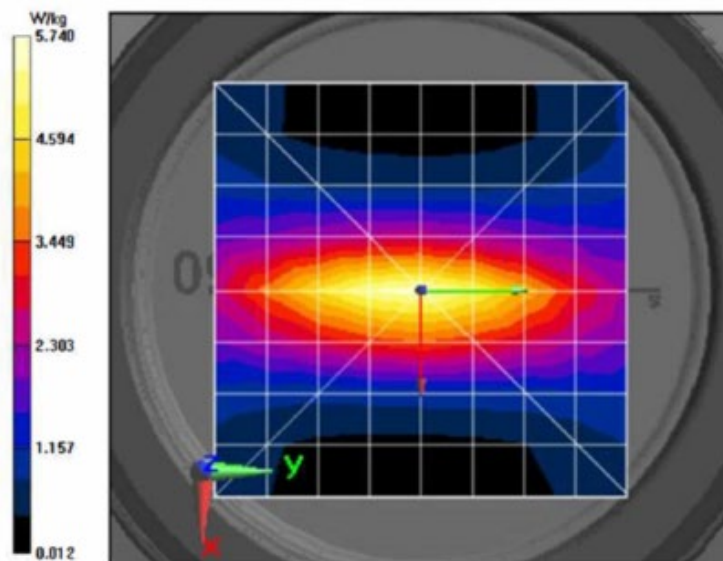
Comments:

Duty Cycle: 1:1, Medium parameters used:  $f = 150$  MHz;  $c = 0.74$  S/m;  $\epsilon_r = 50.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 150 MHz, ConvF(12.15, 12.15, 12.15) @ 150 MHz  
Electronics: DAE4 Sn729, Calibrated: 10/16/2019

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):** Interpolated grid: dx=1.500mm, dy=1.500mm  
Reference Value = 87.81 V/m; Power Drift = -0.00 dB  
Fast SAR: SAR(1 g) = 4.77 W/kg; SAR(10 g) = 3.39 W/kg (SAR corrected for target medium)  
Maximum value of SAR (interpolated) = 5.75 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 = 87.81 V/m; Power Drift = -0.00 dB  
Peak SAR (extrapolated) = 6.99 W/kg  
SAR(1 g) = 4.08 W/kg; SAR(10 g) = 2.68 W/kg (SAR corrected for target medium)  
Maximum value of SAR (measured) = 5.71 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) = 5.74 W/kg



**Motorola Solutions, Inc. EME Laboratory**  
 Date/Time: 1/21/2020 8:34:54 AM

Robot#: DASY5-PG-4 | Run#: ZZ(MA)-SYSP-150H-200121-01  
 Dipole Model#: CLA150  
 Phantom#: ELI4 1108  
 Tissue Temp: 20.6 (C)  
 Serial#: 4005  
 Test Freq: 150.0000 (MHz)  
 Start Power: 1000 (mW)  
 Rotation (1D): 0.14 dB  
 Adjusted SAR (1W): 3.76 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used:  $f = 150 \text{ MHz}$ ;  $\sigma = 0.8 \text{ S/m}$ ;  $\epsilon_r = 50.6$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 150 MHz, ConvF(12.15, 12.15, 12.15) @ 150 MHz  
 Electronics: DAE4 Sn729, Calibrated: 10/16/2019

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):**

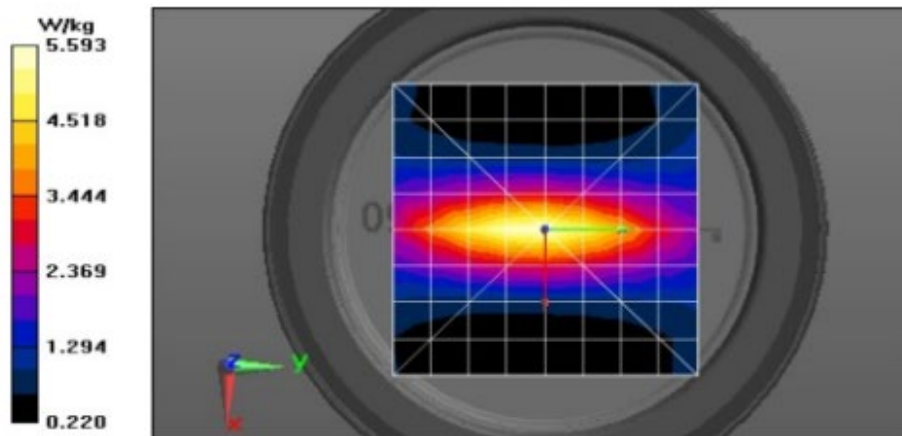
Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
 Reference Value = 83.79 V/m; Power Drift = -0.03 dB  
**Fast SAR: SAR(1 g) = 4.45 W/kg; SAR(10 g) = 3.15 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 5.69 W/kg

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

Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 83.79 V/m; Power Drift = -0.03 dB  
 Peak SAR (extrapolated) = 6.93 W/kg  
**SAR(1 g) = 3.76 W/kg; SAR(10 g) = 2.45 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (measured) = 5.66 W/kg

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

grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$ ,  $dz=10\text{mm}$   
 Maximum value of SAR (measured) = 5.66 W/kg



**Motorola Solutions, Inc. EME Laboratory**  
Date/Time: 1/31/2020 7:52:12 PM

Robot#: DASY5-PG-4 | Run#: AM(MA)-SYSP-150H-200131-01  
 Dipole Model# CLA150  
 Phantom#: ELI4 1108  
 Tissue Temp: 21.1 (C)  
 Serial#: 4005  
 Test Freq: 150.0000 (MHz)  
 Start Power: 1000 (mW)  
 Rotation (1D): 0.110 dB  
 Adjusted SAR (1W): 3.75 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used:  $f = 150 \text{ MHz}$ ;  $\sigma = 0.78 \text{ S/m}$ ;  $\epsilon_r = 50$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 150 MHz, ConvF(12.15, 12.15, 12.15) @ 150 MHz  
 Electronics: DAE4 Sn729, Calibrated: 10/16/2019

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):**

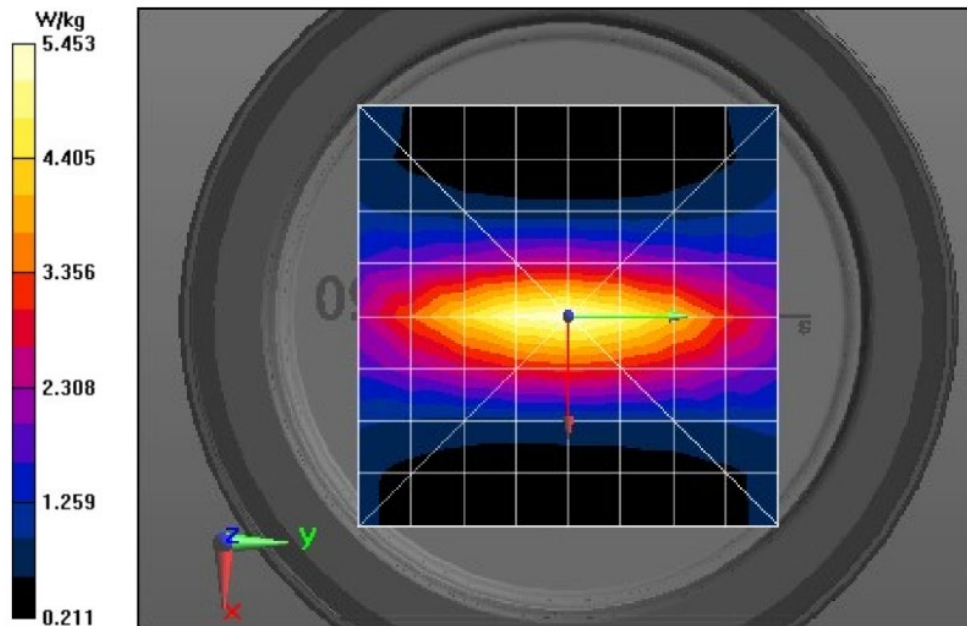
Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
 Reference Value = 83.81 V/m; Power Drift = 0.01 dB  
**Fast SAR: SAR(1 g) = 4.42 W/kg; SAR(10 g) = 3.14 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 5.55 W/kg

**Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x6x7)/Cube 0:**

Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 83.81 V/m; Power Drift = 0.01 dB  
 Peak SAR (extrapolated) = 6.75 W/kg  
**SAR(1 g) = 3.75 W/kg; SAR(10 g) = 2.45 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (measured) = 5.50 W/kg

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

grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$ ,  $dz=10\text{mm}$   
 Maximum value of SAR (measured) = 5.52 W/kg



## **Appendix E**

### **DUT Scans**

### Assessments at the Body - Table 17

#### Motorola Solutions, Inc. EME Laboratory Date/Time: 1/7/2020 8:46:56 PM

Robot#: DASY5-PG-4 | Run#: AN-AB-200107-03  
 Model#: AAH87JDF9JA2AN (PMUD3484A)  
 Phantom#: ELI4 1108  
 Tissue Temp: 22.0 (C)  
 Serial#: 278TVZ3129  
 Antenna: HAD9743A  
 Test Freq: 162.0000 (MHz)  
 Battery: PMMN4476A  
 Carry Acc: HLN6602A  
 Audio Acc: PMMN4092A  
 Start Power: 5.79 (W)

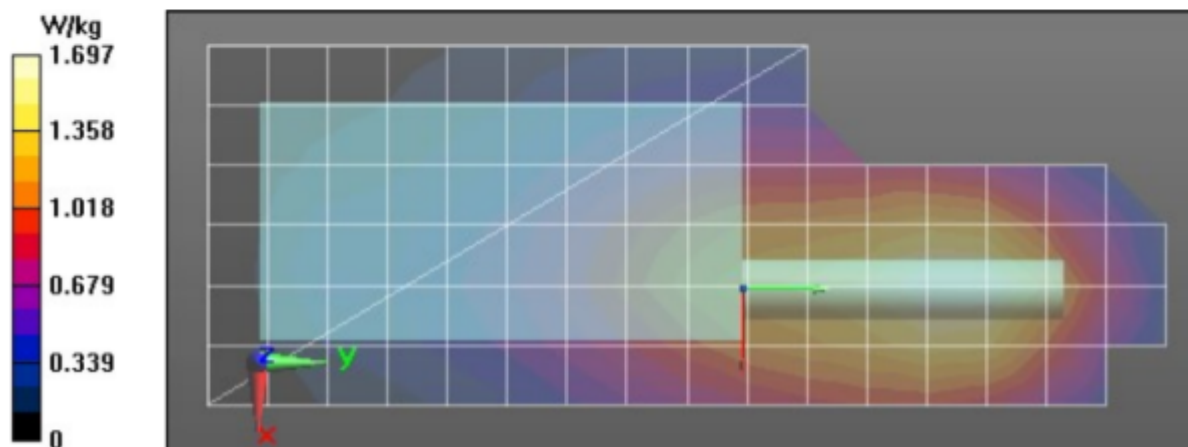
Comments:

Duty Cycle: 1:1, Medium parameters used:  $f = 162$  MHz;  $\sigma = 0.75$  S/m;  $\epsilon_r = 50$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 162 MHz, ConvF(12.15, 12.15, 12.15) @ 162 MHz  
 Electronics: DAE4 Sn729, Calibrated: 10/16/2019

**Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x181x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 44.72 V/m; Power Drift = -0.19 dB  
**Fast SAR: SAR(1 g) = 1.46 W/kg; SAR(10 g) = 1.09 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 1.75 W/kg

**Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (5x7x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
 Reference Value = 44.72 V/m; Power Drift = -0.17 dB  
 Peak SAR (extrapolated) = 2.30 W/kg  
**SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.826 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (measured) = 1.73 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) = 1.72 W/kg



### Assessments at the Body - Table 18

#### Motorola Solutions, Inc. EME Laboratory Date/Time: 1/8/2020 3:31:24 AM

Robot#: DASY5-PG-4 | Run#: AN-AB-200108-05#  
 Model#: AAH87JDF9JA2AN (PMUD3484A)  
 Phantom#: ELI4 1108  
 Tissue Temp: 22.1 (C)  
 Serial#: 278TVZ3129  
 Antenna: NAD6502AR  
 Test Freq: 150.8000 (MHz)  
 Battery: PMNN4476A  
 Carry Acc: HLN9844A  
 Audio Acc: PMMN4092A  
 Start Power: 5.85 (W)

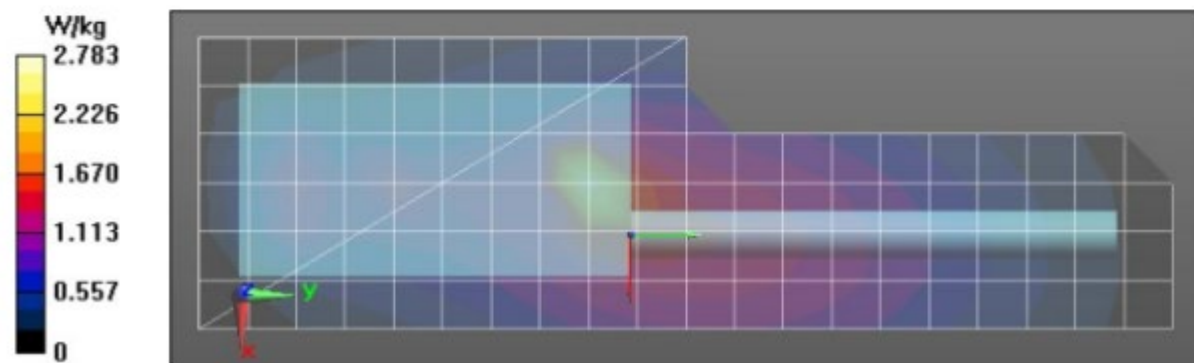
Comments:

Duty Cycle: 1:1, Medium parameters used:  $f = 151 \text{ MHz}$ ;  $\sigma = 0.75 \text{ S/m}$ ;  $\epsilon_r = 50.5$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 150.8 MHz, ConvF(12.15, 12.15, 12.15) @ 150.8 MHz  
 Electronics: DAE4 Sn729, Calibrated: 10/16/2019

**Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x211x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
 Reference Value = 41.35 V/m; Power Drift = -0.28 dB  
**Fast SAR: SAR(1 g) = 2.1 W/kg; SAR(10 g) = 1.31 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 2.81 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 = 41.35 V/m; Power Drift = -0.29 dB  
 Peak SAR (extrapolated) = 3.63 W/kg  
**SAR(1 g) = 1.54 W/kg; SAR(10 g) = 0.959 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (measured) = 2.61 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) = 2.61 W/kg



### Assessments at the Body - Table 19

#### Motorola Solutions, Inc. EME Laboratory Date/Time: 1/8/2020 11:22:32 PM

Robot#: DASY5-PG-4 | Run#: AN-AB-200108-22  
 Model#: AAH87JDF9JA2AN (PMUD3484A)  
 Phantom#: ELI4 1108  
 Tissue Temp: 21.8 (C)  
 Serial#: 278TVZ3129  
 Antenna: HAD9743A  
 Test Freq: 162.0000 (MHz)  
 Battery: PMNN4476A  
 Carry Acc: RLN4570A  
 Audio Acc: PMMN4092A  
 Start Power: 5.75 (W)

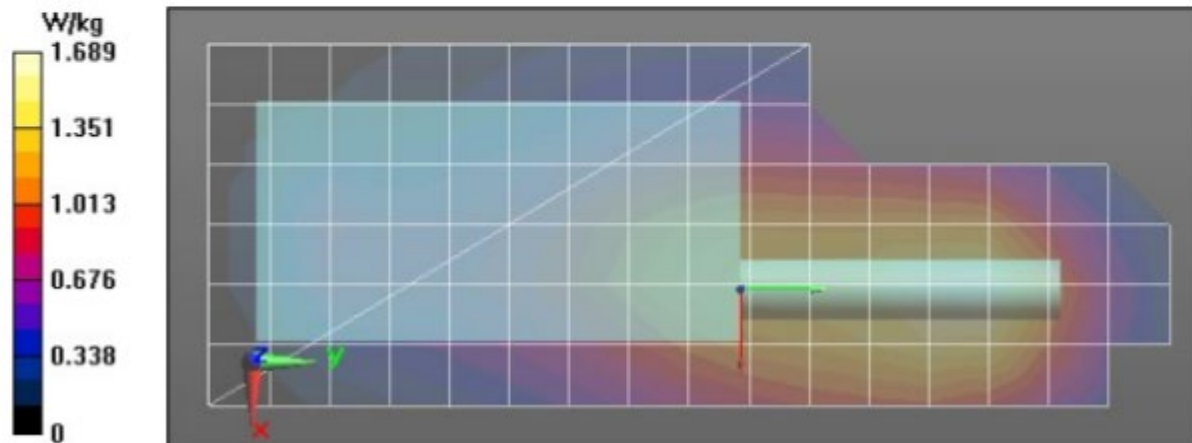
Comments:

Duty Cycle: 1:1, Medium parameters used:  $f = 162 \text{ MHz}$ ;  $\sigma = 0.73 \text{ S/m}$ ;  $\epsilon_r = 49.3$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 162 MHz, ConvF(12.15, 12.15, 12.15) @ 162 MHz  
 Electronics: DAE4 Sn729, Calibrated: 10/16/2019

**Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x211x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
 Reference Value = 44.92 V/m; Power Drift = -0.11 dB  
**Fast SAR: SAR(1 g) = 1.47 W/kg; SAR(10 g) = 1.09 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 1.75 W/kg

**Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (6x9x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 44.92 V/m; Power Drift = -0.10 dB  
 Peak SAR (extrapolated) = 2.33 W/kg  
**SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.836 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (measured) = 1.75 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) = 1.76 W/kg



### Assessment at the Body – Table 20

#### Motorola Solutions, Inc. EME Laboratory Date/Time: 1/8/2020 11:22:32 PM

Robot#: DASY5-PG-4 | Run#: AN-AB-200108-22  
 Model#: AAH87JDF9JA2AN (PMUD3484A)  
 Phantom#: ELI4 1108  
 Tissue Temp: 21.8 (C)  
 Serial#: 278TVZ3129  
 Antenna: HAD9743A  
 Test Freq: 162.0000 (MHz)  
 Battery: PMNN4476A  
 Carry Acc: RLN4570A  
 Audio Acc: PMMN4092A  
 Start Power: 5.75 (W)

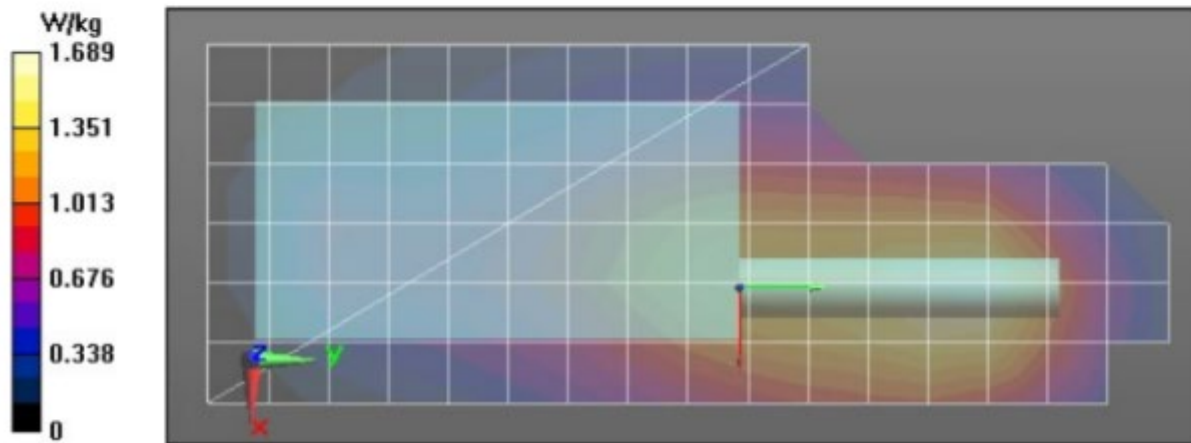
Comments:

Duty Cycle: 1:1, Medium parameters used:  $f = 162$  MHz;  $\sigma = 0.73$  S/m;  $\epsilon_r = 49.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 162 MHz, ConvF(12.15, 12.15, 12.15) @ 162 MHz  
 Electronics: DAE4 Sn729, Calibrated: 10/16/2019

**Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x211x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 44.92 V/m; Power Drift = -0.11 dB  
**Fast SAR: SAR(1 g) = 1.47 W/kg; SAR(10 g) = 1.09 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 1.75 W/kg

**Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (6x9x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
 Reference Value = 44.92 V/m; Power Drift = -0.10 dB  
 Peak SAR (extrapolated) = 2.33 W/kg  
**SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.836 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (measured) = 1.75 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) = 1.76 W/kg





### Assessments at the Body - Table 21

**Motorola Solutions, Inc. EME Laboratory**  
Date/Time: 1/31/2020 11:56:31 PM

Robot#: DASY5-PG-4 | Run#: AM(MA)-AB-200131-03  
 Model#: AAH87JDF9JA2AN (PMUD3484A)  
 Phantom#: EL14 1108  
 Tissue Temp: 20.8 (C)  
 Serial#: 278TVZ3129  
 Antenna: NAD6502AR  
 Test Freq: 150.8000 (MHz)  
 Battery: PMNN4476A  
 Carry Acc: RLN4815A  
 Audio Acc: PMMN4092A  
 Start Power: 5.60 (W)

Comments:

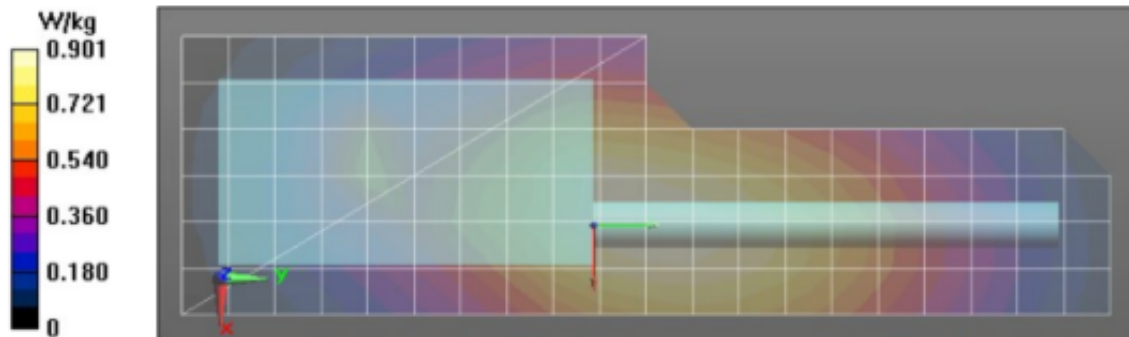
Duty Cycle: 1:1, Medium parameters used:  $f = 151$  MHz;  $\sigma = 0.78$  S/m;  $\epsilon_r = 50$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 150.8 MHz, ConvF(12.15, 12.15, 12.15) @ 150.8 MHz  
 Electronics: DAE4 Sn729, Calibrated: 10/16/2019

**Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x211x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 34.42 V/m; Power Drift = -0.28 dB  
**Fast SAR: SAR(1 g) = 0.770 W/kg; SAR(10 g) = 0.595 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 0.911 W/kg

**Below 2 GHz-Rev.3/Ab Scan/2-Volume Scan 2D (5x5x1):** Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm  
 Reference Value = 34.42 V/m; Power Drift = -0.30 dB  
 Maximum value of SAR (measured) = 0.884 W/kg

**Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (14x14x8)/Cube 0:** Measurement grid: dx=2.6mm, dy=2.6mm, dz=1.4mm  
 Reference Value = 35.16 V/m; Power Drift = -0.62 dB  
 Peak SAR (extrapolated) = 1.28 W/kg  
**SAR(1 g) = 0.735 W/kg; SAR(10 g) = 0.565 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (measured) = 0.933 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) = 0.873 W/kg



### Assessments at the Face - Table 23

#### Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/10/2020 8:55:11 AM

Robot#: DASY5-PG-4 | Run#: AM(MA)-FACE-200110-04#  
 Model#: AAH87JDF9JA2AN (PMUD3484A)  
 Phantom#: EL14 1108  
 Tissue Temp: 22.0 (C)  
 Serial#: 278TVZ3129  
 Antenna: HAD9742A  
 Test Freq: 150.8000 (MHz)  
 Battery: PMNN4080AR  
 Carry Acc: @ front  
 Audio Acc: N/A  
 Start Power: 5.69 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used:  $f = 151 \text{ MHz}$ ;  $\sigma = 0.76 \text{ S/m}$ ;  $\epsilon_r = 50.5$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 150.8 MHz, ConvF(12.15, 12.15, 12.15) @ 150.8 MHz  
 Electronics: DAE4 Sn729, Calibrated: 10/16/2019

**Below 2 GHz-Rev.3/Face Scan/1-Area Scan (71x211x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Reference Value = 48.17 V/m; Power Drift = -0.67 dB

**Fast SAR: SAR(1 g) = 1.57 W/kg; SAR(10 g) = 1.19 W/kg** (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.87 W/kg

**Below 2 GHz-Rev.3/Face Scan/3-Zoom Scan (6x10x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 48.17 V/m; Power Drift = -0.88 dB

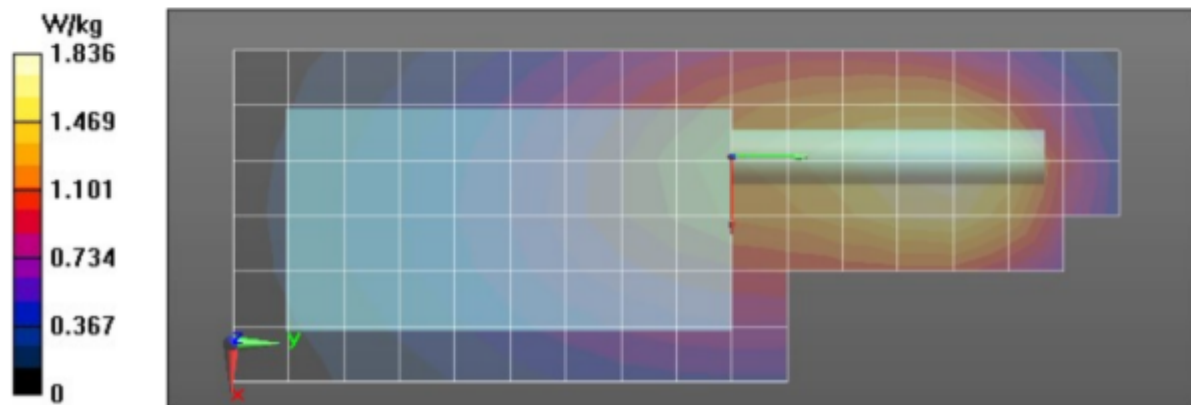
Peak SAR (extrapolated) = 2.43 W/kg

**SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.885 W/kg** (SAR corrected for target medium)

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

**Below 2 GHz-Rev.3/Face 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) = 1.73 W/kg



Assessments for ISED Canada - Table 24

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/12/2020 4:44:15 AM

Robot#: DASY5-PG-4 | Run#: AN-FACE-200112-04
Model#: AAH87JDF9JA2AN (PMUD3484A)
Phantom#: ELI4 1108
Tissue Temp: 22.3 (C)
Serial#: 278TVZ3129
Antenna: PMAD4042A
Test Freq: 138.0000 (MHz)
Battery: PMNN4080AR
Carry Acc: @ front
Audio Acc: N/A
Start Power: 5.68 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 138 MHz; sigma = 0.79 S/m; epsilon = 52.2; rho = 1000 kg/m^3
Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 138 MHz, ConvF(12.15, 12.15, 12.15) @ 138 MHz
Electronics: DAE4 Sn729, Calibrated: 10/16/2019

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (71x211x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

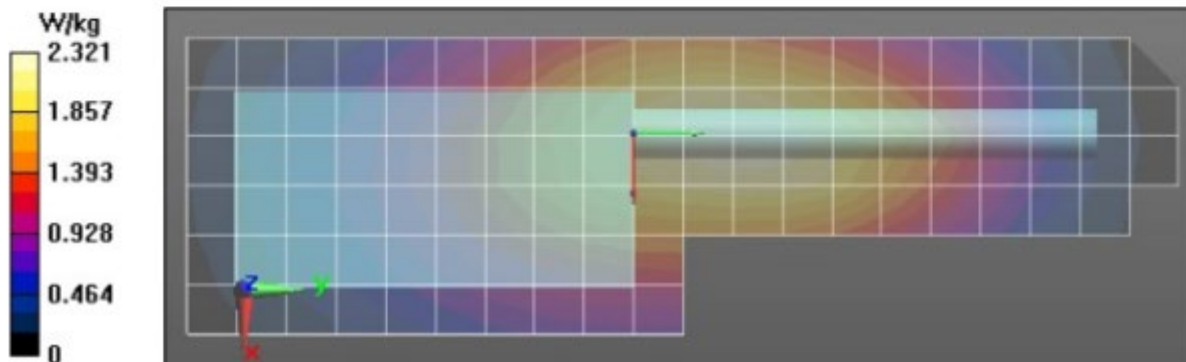
Reference Value = 55.44 V/m; Power Drift = -0.39 dB
Fast SAR: SAR(1 g) = 1.97 W/kg; SAR(10 g) = 1.52 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.32 W/kg

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

Reference Value = 55.44 V/m; Power Drift = -0.48 dB
Peak SAR (extrapolated) = 2.67 W/kg
SAR(1 g) = 1.73 W/kg; SAR(10 g) = 1.31 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.23 W/kg

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

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



**APPENDIX F**  
**Shortened Scan of Highest SAR configuration**

### Shortened Scan - Table 26

#### Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/15/2020 10:48:23 AM

Robot#: DASY5-PG-4 | Run#: AN-AB-200115-11  
 Model#: AAH87JDF9JA2AN (PMUD3484A)  
 Phantom#: ELI4 1108  
 Tissue Temp: 22.2 (C)  
 Serial#: 278TVZ3129  
 Antenna: NAD6502AR  
 Test Freq: 150.8000 (MHz)  
 Battery: PMNN4476A  
 Carry Acc: HLN9844A  
 Audio Acc: PMMN4092A  
 Start Power: 5.64 (W)

Comments: Shorten Scan

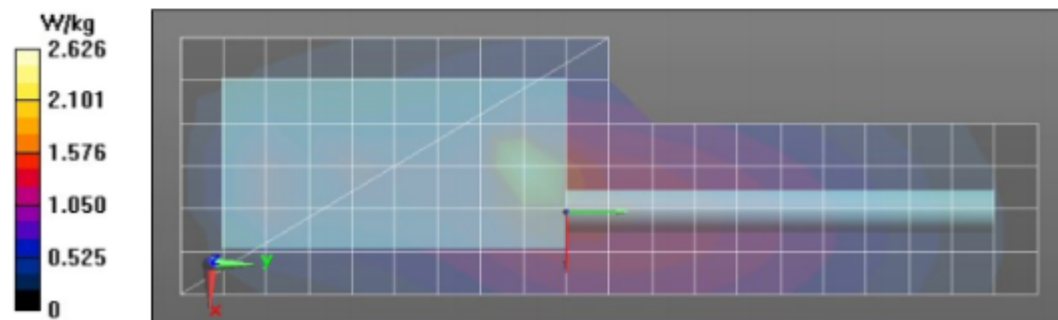
Duty Cycle: 1:1, Medium parameters used:  $f = 151$  MHz;  $\sigma = 0.74$  S/m;  $\epsilon_r = 50.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 150.8 MHz, ConvF(12.15, 12.15, 12.15) @ 150.8 MHz  
 Electronics: DAE4 Sn729, Calibrated: 10/16/2019

**Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x211x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 40.88 V/m; Power Drift = -0.21 dB  
**Fast SAR: SAR(1 g) = 2 W/kg; SAR(10 g) = 1.26 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 2.67 W/kg

**Below 2 GHz-Rev.3/Ab Scan/2-Volume Scan 2D (41x41x1):** Interpolated grid: dx=0.7500 mm, dy=0.7500 mm, dz=1.000 mm  
 Reference Value = 40.88 V/m; Power Drift = -0.22 dB  
**Fast SAR: SAR(1 g) = 2.01 W/kg; SAR(10 g) = 1.26 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 2.63 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 = 60.48 V/m; Power Drift = -0.27 dB  
 Peak SAR (extrapolated) = 3.85 W/kg  
**SAR(1 g) = 1.62 W/kg; SAR(10 g) = 1 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (measured) = 2.70 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) = 2.50 W/kg



Shortened scan reflects highest SAR producing configuration and is compared to the full scan.

Scan Description	Referenced Table	Test Time (min.)	SAR 1g (W/kg)
Shorten scan (zoom)	26	8	0.92
Full scan (area & zoom)	18	35	0.84

**APPENDIX G**  
**DUT Test Position Photos**

**Photos available in Exhibit 7B**

**APPENDIX H**  
**DUT, Body worn and audio accessories Photos**

**Photos available in Exhibit 7B**