



**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> 12/15/2022  <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>Tx Frequency Bands:</b>  <b>Signaling type:</b>  <b>Model(s) Tested:</b>  <b>Serial Number(s):</b>  <b>Classification:</b>  <b>Firmware Version:</b>  <b>Applicant Name:</b>  <b>Applicant Address:</b>  <b>FCC ID:</b>  <b>FCC Test Firm Registration Number:</b>  <b>IC:</b>  <b>ISED Test Site registration:</b></p>	<p>Puteri Alifah Ilyana Binti Nor Rahim (EME Engineer)                  Puteri Alifah Ilyana Binti Nor Rahim (EME Engineer)                  10/26/2022-10/31/2022, 11/05/2022, 11/09/2022, 11/11/2022, 11/16/2022                  Motorola Solutions Inc.                  Handheld Portable – MOTOTRBO R2 136-174M 5W NKP                  CW (PTT)                  6.0W                  LMR 136-174MHz                  FM                  AAH11JDC9JA2AN (PMUD3524A)                  902EYU0079                  Occupational/Controlled                  102.22.03.0101                  Motorola Solutions Inc.                  8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322                  AZ489FT3852;                  This report contains results that are immaterial for FCC equipment approval, which are clearly identified.                  823256                  109U-89FT3852;                  24843</p>
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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).

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.

**Saw Sun Hock (Approval Signatory)**  
**Approval Date: 12/15/2022**

## **Appendix D**

### **System Verification Check Scans**

**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 11/1/2022 3:20:52 AM

Robot#: DASY5-PG-1 | Run#: FZ-SYSP-150H-221101-04  
 Dipole Model#: CLA150  
 Phantom#: ELI4 1040  
 Tissue Temp: 20.3 (C)  
 Serial#: 4010  
 Test Freq: 150.0000 (MHz)  
 Start Power: 1000 (mW)  
 Rotation (1D): 0.085 dB  
 Adjusted SAR (1W): 3.94 mW/g (1g)

Comments:

Communication System Band: CLA150, Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 150$  MHz;  $\sigma = 0.75$  S/m;  $\epsilon_r = 53.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 150 MHz, ConvF(14.37, 14.37, 14.37) @ 150 MHz  
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

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

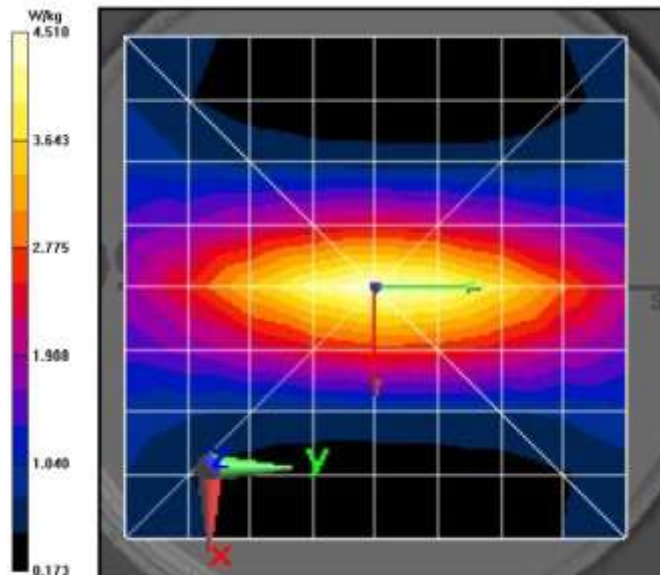
Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 77.37 V/m; Power Drift = 0.03 dB  
 Fast SAR: SAR(1 g) = 4.14 W/kg; SAR(10 g) = 2.97 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 4.56 W/kg

**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 = 77.37 V/m; Power Drift = 0.03 dB  
 Peak SAR (extrapolated) = 6.04 W/kg  
 SAR(1 g) = 3.94 W/kg; SAR(10 g) = 2.6 W/kg (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below = 23.4 mm  
 Ratio of SAR at M2 to SAR at M1 = 66.3%  
 Maximum value of SAR (measured) = 4.53 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) = 4.55 W/kg



### Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/11/2022 8:49:10 AM

Robot#: DASY5-PG-1 | Run#: AMF-SYSP-150H-221111-02  
 Dipole Model#: CLA150  
 Phantom#: ELI5 1147  
 Tissue Temp: 21.4 (C)  
 Serial#: 4005  
 Test Freq: 150.0000 (MHz)  
 Start Power: 1000 (mW)  
 Rotation (1D): 0.075 dB  
 Adjusted SAR (1W): 3.88 mW/g (1g)

Comments:

Communication System Band: CLA150, Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 150$  MHz;  $\sigma = 0.74$  S/m;  $\epsilon_r = 50.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 150 MHz, ConvF(14.37, 14.37, 14.37) @ 150 MHz  
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

**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 = 78.06 V/m; Power Drift = -0.04 dB  
**Fast SAR: SAR(1 g) = 4.06 W/kg; SAR(10 g) = 2.91 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 4.47 W/kg

**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (9x9x1):** Measurement

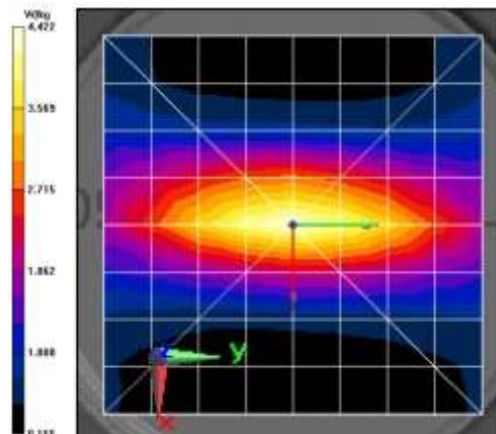
grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 4.42 W/kg

**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 = 78.06 V/m; Power Drift = -0.04 dB  
 Peak SAR (extrapolated) = 5.97 W/kg  
**SAR(1 g) = 3.88 W/kg; SAR(10 g) = 2.56 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 = 66.3%  
 Maximum value of SAR (measured) = 4.49 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) = 4.48 W/kg



## Appendix E DUT Scans

### FCC Body Assessments at LMR VHF

Table 24

#### Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/29/2022 10:15:06 AM

Robot#: DASY5-PG-1 | Run#: MFR(AMF)-AB-221029-06  
 Model#: AAH11JDC9JA2AN (PMUD3524A)  
 Phantom#: ELI4 1040  
 Tissue Temp: 21.4 (C)  
 Serial#: 902EYU0079  
 Antenna: PMAD4147A  
 Test Freq: 150.8000 (MHz)  
 Battery: PMNN4600A  
 Carry Acc: PMLN8433 w/ NTN5243A  
 Audio Acc: PMMN4013A  
 Start Power: 5.70 (W)

Comments:

Communication System Band: Nile VHF, Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 151 \text{ MHz}$ ;  $\sigma = 0.74 \text{ S/m}$ ;  $\epsilon_r = 51.8$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 150.8 MHz, ConvF(14.37, 14.37, 14.37) @ 150.8 MHz  
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

**Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

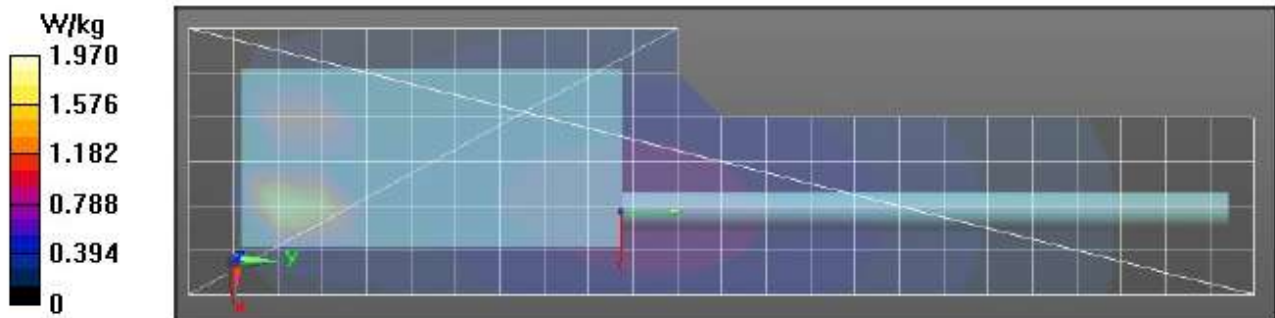
Reference Value = 28.17 V/m; Power Drift = -0.31 dB  
 Fast SAR: SAR(1 g) = 1.68 W/kg; SAR(10 g) = 0.906 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 2.38 W/kg

**Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (13x13x6)/Cube 0:** Measurement grid: dx=2.7mm,

dy=2.7mm, dz=3mm  
 Reference Value = 28.17 V/m; Power Drift = -0.90 dB  
 Peak SAR (extrapolated) = 23.3 W/kg  
 SAR(1 g) = 2.75 W/kg; SAR(10 g) = 0.787 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 = 36.8%  
 Maximum value of SAR (measured) = 3.76 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) = 3.56 W/kg



## FCC Face Assessments at LMR VHF

### Table 27

**Motorola Solutions, Inc. EME Laboratory**  
 Date/Time: 10/29/2022 7:42:14 PM

Robot#: DASY5-PG-1 | Run#: BL-FACE-221029-09  
 Model#: AAH11JDC9JA2AN (PMUD3524A)  
 Phantom#: ELI4 1040  
 Tissue Temp: 21.5 (C)  
 Serial#: 902EYU0079  
 Antenna: PMAD4116A  
 Test Freq: 150.8000 (MHz)  
 Battery: PMNN4598A  
 Carry Acc: @ front  
 Audio Acc: N/A  
 Start Power: 5.82 (W)

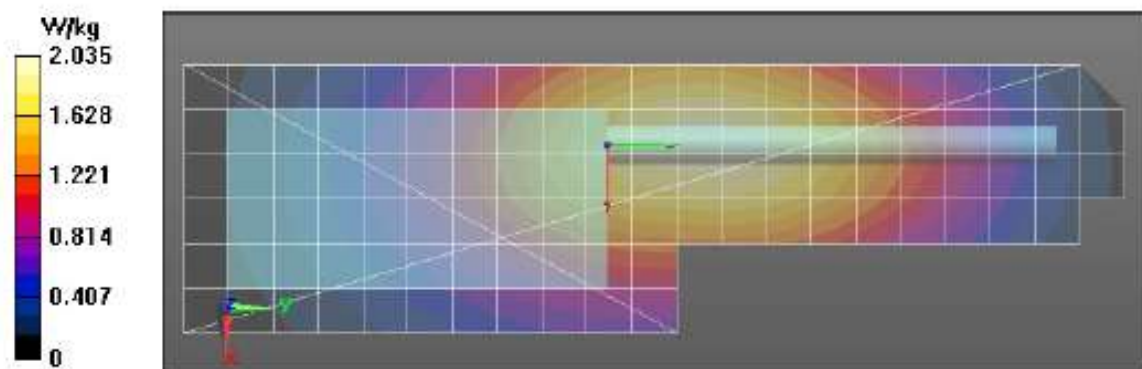
**Comments:**

Communication System Band: Nile VHF, Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 151 \text{ MHz}$ ;  $\sigma = 0.78 \text{ S/m}$ ;  $\epsilon_r = 53.8$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 150.8 MHz, ConvF(14.37, 14.37, 14.37) @ 150.8 MHz  
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

**Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x241x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
 Reference Value = 51.37 V/m; Power Drift = -0.34 dB  
 Fast SAR: SAR(1 g) = 1.86 W/kg; SAR(10 g) = 1.43 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 2.04 W/kg

**Below 2 GHz-Rev.3/Face 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 = 51.37 V/m; Power Drift = -0.47 dB  
 Peak SAR (extrapolated) = 2.30 W/kg  
 SAR(1 g) = 1.78 W/kg; SAR(10 g) = 1.39 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 = 77.9%  
 Maximum value of SAR (measured) = 1.95 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) = 1.93 W/kg



## ISED Body Assessments at LMR VHF

Table 29

### Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/30/2022 7:12:45 PM

Robot#: DASY5-PG-1 | Run#: BL-AB-221030-15  
 Model#: AAH11JDC9JA2AN (PMUD3524A)  
 Phantom#: ELI4 1040  
 Tissue Temp: 21.5 (C)  
 Serial#: 902EYU0079  
 Antenna: PMAD4147A  
 Test Freq: 144.0000 (MHz)  
 Battery: PMNN4600A  
 Carry Acc: PMLN8433 w/ NTN5243A  
 Audio Acc: PMMN4013A  
 Start Power: 5.61 (W)

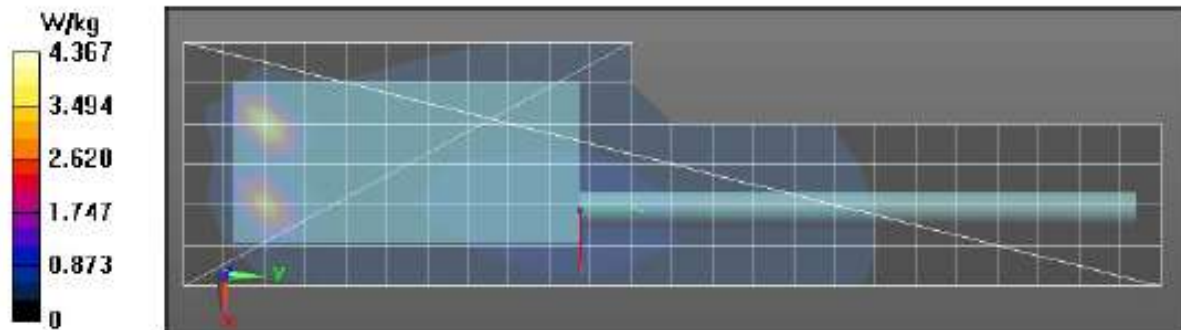
**Comments:**

Communication System Band: Nile VHF, Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 144 \text{ MHz}$ ;  $\sigma = 0.75 \text{ S/m}$ ;  $\epsilon_r = 52.8$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 144 MHz, ConvF(14.37, 14.37, 14.37) @ 144 MHz  
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

**Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x241x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
 Reference Value = 26.79 V/m; Power Drift = -0.01 dB  
 Fast SAR: SAR(1 g) = 2.63 W/kg; SAR(10 g) = 1.15 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 4.37 W/kg

**Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (13x13x6)/Cube 0:** Measurement grid:  $dx=2.7\text{mm}$ ,  
 $dy=2.7\text{mm}$ ,  $dz=3\text{mm}$   
 Reference Value = 26.79 V/m; Power Drift = 0.00 dB  
 Peak SAR (extrapolated) = 30.8 W/kg  
 SAR(1 g) = 3.43 W/kg; SAR(10 g) = 0.977 W/kg (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below = 5.1 mm  
 Ratio of SAR at M2 to SAR at M1 = 36.9%  
 Maximum value of SAR (measured) = 4.98 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) = 4.51 W/kg





## ISED Face Assessments at LMR VHF

Table 29

### Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/29/2022 7:42:14 PM

Robot#: DASY5-PG-1 | Run#: BL-FACE-221029-09  
 Model#: AAH11JDC9JA2AN (PMUD3524A)  
 Phantom#: ELI4 1040  
 Tissue Temp: 21.5 (C)  
 Serial#: 902EYU0079  
 Antenna: PMAD4116A  
 Test Freq: 150.8000 (MHz)  
 Battery: PMNN4598A  
 Carry Acc: @ front  
 Audio Acc: N/A  
 Start Power: 5.82 (W)

**Comments:**

Communication System Band: Nile VHF, Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 151 \text{ MHz}$ ;  $\sigma = 0.78 \text{ S/m}$ ;  $\epsilon_r = 53.8$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 150.8 MHz, ConvF(14.37, 14.37, 14.37) @ 150.8 MHz  
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

**Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x241x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

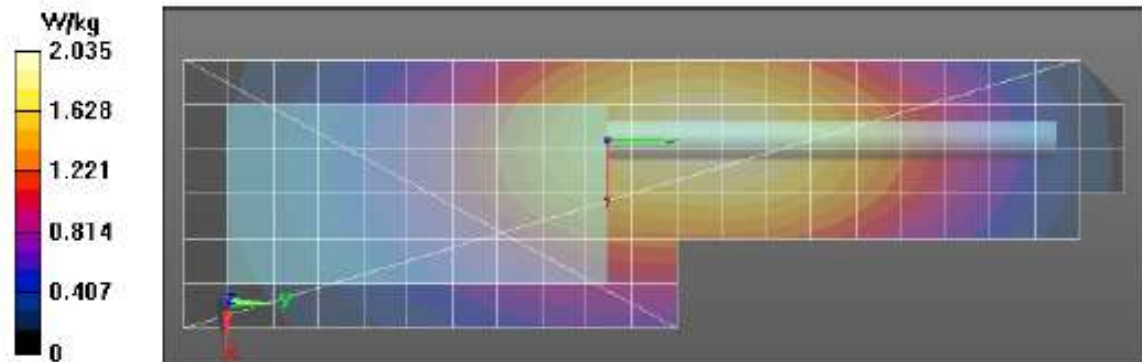
Reference Value = 51.37 V/m; Power Drift = -0.34 dB  
 Fast SAR: SAR(1 g) = 1.86 W/kg; SAR(10 g) = 1.43 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 2.04 W/kg

**Below 2 GHz-Rev.3/Face 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 = 51.37 V/m; Power Drift = -0.47 dB  
 Peak SAR (extrapolated) = 2.30 W/kg  
 SAR(1 g) = 1.78 W/kg; SAR(10 g) = 1.39 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 = 77.9%  
 Maximum value of SAR (measured) = 1.95 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) = 1.93 W/kg



## Overall Range Body Assessments at LMR VHF Table 29

**Motorola Solutions, Inc. EME Laboratory**  
Date/Time: 10/30/2022 7:12:45 PM

Robot#: DASY5-PG-1 | Run#: BL-AB-221030-15  
 Model#: AAH11JDC9JA2AN (PMUD3524A)  
 Phantom#: ELI4 1040  
 Tissue Temp: 21.5 (C)  
 Serial#: 902EYU0079  
 Antenna: PMAD4147A  
 Test Freq: 144.0000 (MHz)  
 Battery: PMNN4600A  
 Carry Acc: PMLN8433 w/ NTN5243A  
 Audio Acc: PMMN4013A  
 Start Power: 5.61 (W)

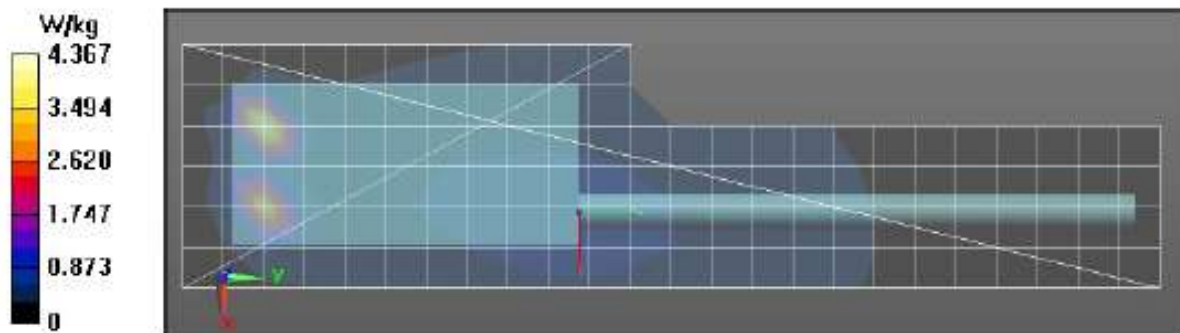
**Comments:**

Communication System Band: Nile VHF, Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 144$  MHz;  $\sigma = 0.75$  S/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 144 MHz, ConvF(14.37, 14.37, 14.37) @ 144 MHz  
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

**Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 26.79 V/m; Power Drift = -0.01 dB  
 Fast SAR: SAR(1 g) = 2.63 W/kg; SAR(10 g) = 1.15 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 4.37 W/kg

**Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (13x13x6)/Cube 0:** Measurement grid: dx=2.7mm, dy=2.7mm, dz=3mm  
 Reference Value = 26.79 V/m; Power Drift = 0.00 dB  
 Peak SAR (extrapolated) = 30.8 W/kg  
 SAR(1 g) = 3.43 W/kg; SAR(10 g) = 0.977 W/kg (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below = 5.1 mm  
 Ratio of SAR at M2 to SAR at M1 = 36.9%  
 Maximum value of SAR (measured) = 4.98 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) = 4.51 W/kg



## Overall Range Face Assessments at LMR VHF

### Table 29

#### Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/29/2022 7:42:14 PM

Robot#: DASY5-PG-1 | Run#: BL-FACE-221029-09  
 Model#: AAH11JDC9JA2AN (PMUD3524A)  
 Phantom#: ELI4 1040  
 Tissue Temp: 21.5 (C)  
 Serial#: 902EYU0079  
 Antenna: PMAD4116A  
 Test Freq: 150.8000 (MHz)  
 Battery: PMNN4598A  
 Carry Acc: @ front  
 Audio Acc: N/A  
 Start Power: 5.82 (W)

**Comments:**

Communication System Band: Nile VHF, Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 151 \text{ MHz}$ ;  $\sigma = 0.78 \text{ S/m}$ ;  $\epsilon_r = 53.8$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 150.8 MHz, ConvF(14.37, 14.37, 14.37) @ 150.8 MHz  
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

**Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x241x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

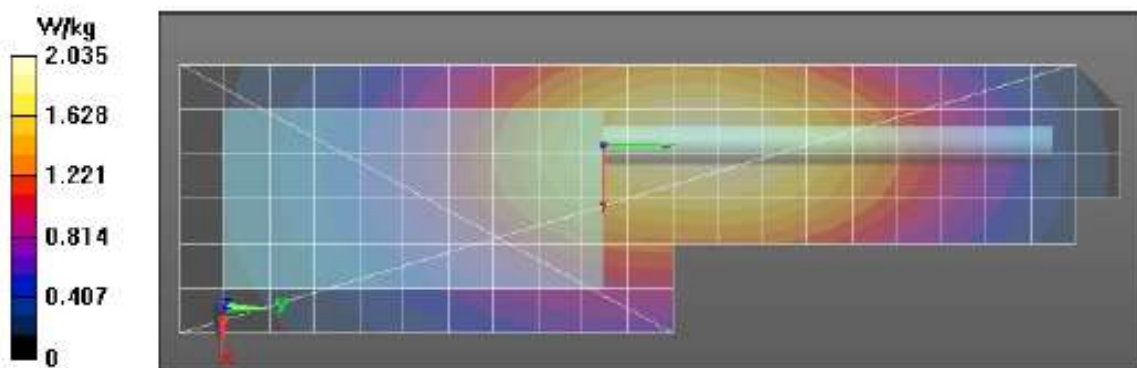
Reference Value = 51.37 V/m; Power Drift = -0.34 dB  
 Fast SAR: SAR(1 g) = 1.86 W/kg; SAR(10 g) = 1.43 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 2.04 W/kg

**Below 2 GHz-Rev.3/Face 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 = 51.37 V/m; Power Drift = -0.47 dB  
 Peak SAR (extrapolated) = 2.30 W/kg  
 SAR(1 g) = 1.78 W/kg; SAR(10 g) = 1.39 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 = 77.9%  
 Maximum value of SAR (measured) = 1.95 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) = 1.93 W/kg



**APPENDIX F**  
**Shortened Scan of Highest SAR configuration (Table 30)**

### Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/16/2022 1:35:45 PM

Robot#: DASY5-PG-1 | Run#: BL-AB-221116-06  
 Model#: AAH11JDC9JA2AN (PMUD3524A)  
 Phantom#: ELI5 1147  
 Tissue Temp: 20.5 (C)  
 Serial#: 902EYU0079  
 Antenna: PMAD4147A  
 Test Freq: 150.8000 (MHz)  
 Battery: PMNN4600A  
 Carry Acc: PMLN8433 w/ NTN5243A  
 Audio Acc: PMMN4013A  
 Start Power: 5.60 (W)

Comments:

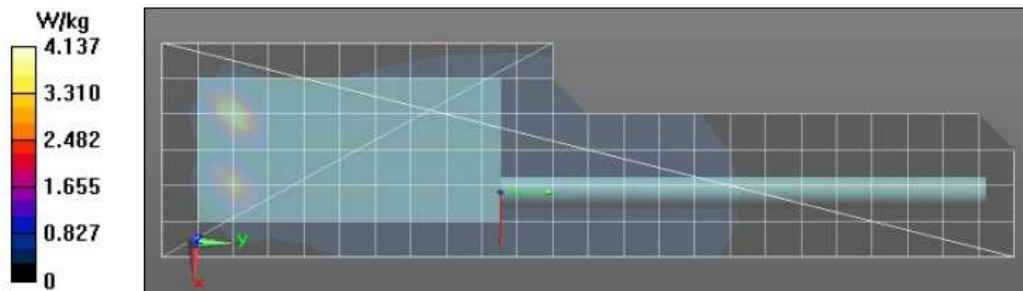
Communication System Band: Nile VHF, Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 151 \text{ MHz}$ ;  $\sigma = 0.75 \text{ S/m}$ ;  $\epsilon_r = 50.6$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 150.8 MHz, ConvF(14.37, 14.37, 14.37) @ 150.8 MHz  
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

**Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x241x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
 Reference Value = 27.28 V/m; Power Drift = -0.33 dB  
**Fast SAR: SAR(1 g) = 2.4 W/kg; SAR(10 g) = 1.02 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 4.14 W/kg

**Below 2 GHz-Rev.3/Ab Scan/2-Volume 2D Scan (41x41x1):** Interpolated grid:  $dx=0.7500 \text{ mm}$ ,  
 $dy=0.7500 \text{ mm}$ ,  $dz=1.000 \text{ mm}$   
 Reference Value = 27.28 V/m; Power Drift = -0.38 dB  
**Fast SAR: SAR(1 g) = 2.61 W/kg; SAR(10 g) = 1.11 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 4.06 W/kg

**Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (13x13x6)/Cube 0:** Measurement grid:  $dx=2.7\text{mm}$ ,  
 $dy=2.7\text{mm}$ ,  $dz=3\text{mm}$   
 Reference Value = 72.87 V/m; Power Drift = -0.78 dB  
 Peak SAR (extrapolated) = 29.3 W/kg  
**SAR(1 g) = 2.96 W/kg; SAR(10 g) = 0.829 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 = 36.2%  
 Maximum value of SAR (measured) = 4.20 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) = 3.70 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)	30	15	1.90
Full scan (area & zoom)	24	45	1.78

## **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**