

 MOTOROLA SOLUTIONS	  <p>MS ISO/IEC 17025 TESTING SAMM No. 0826</p>	  <p>CERTIFICATE 2518.05</p>
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DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 1 of 2

<p>Motorola Solutions Inc. EME Test Laboratory Motorola Solutions Malaysia Sdn Bhd Plot 2A, Medan Bayan Lepas, Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.</p>	<p>Date of Report: 07/08/2020 Report Revision: A</p>
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Responsible Engineer:	Jian Sheng Ch'ng (EME Engineer)
Report Author:	Puteri Alifah Ilyana binti Nor Rahim (EME Engineer)
Date/s Tested:	6/15/2020, 6/23/2020, 6/24/2020, 6/29/2020
Manufacturer:	Motorola Solutions Inc
DUT Description:	Handheld Portable BELIZE CSA UHF 403-470 MHz 4W
Test TX mode(s):	CW (PTT)
Max. Power output:	4.80W (403.0000 – 470.0000 MHz)
Nominal Power:	4.00W (403.0000 – 470.0000 MHz)
Tx Frequency Bands:	403.0000 – 470.0000 MHz
Signaling type:	FM
Model(s) Tested:	AAH56QDN9PA3AN (PMUE4174A) (IC MODEL: PMUE4174ABCNAA)
Model(s) Certified:	AAH56QDN9PA3AN (PMUE4174A) (IC MODEL: PMUE4174ABCNAA)
Serial Number(s):	627TWK0575
Classification:	Occupational /Controlled Environment
FCC ID:	AZ489FT4962; LMR 406.1250-470.0000 MHz This report contains results that are immaterial for FCC equipment approval, which are clearly identified.
IC:	109U-89FT4962; LMR 406.1000-430.0000 MHz, 450.0000-470.0000 MHz This report contains results that are immaterial for ISED equipment approval, which are clearly identified.
Applicant Name:	Motorola Solutions Inc.
Applicant Address:	8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322
ISED Test Site registration:	24843
FCC Test Firm Registration Number:	823256

The test results clearly demonstrate compliance with Occupational / Controlled RF Exposure limits of 8 W/kg averaged over 1 gram per the requirements of FCC 47 CFR § 2.1093 and ISED 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. 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.

 Tiong Nguk Ing Deputy Technical Manager (Approved Signatory) Approval Date: 7/11/2020	
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Appendix D

System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory
Date/Time: 6/15/2020 8:01:11 AM

Robot#: DASY5-PG-4 | Run#: ZZ(MA)-SYSP-450H-200615-01
Dipole Model# D450V3
Phantom#: ELI4 1022
Tissue Temp: 19.3 (C)
Serial#: 1053
Test Freq: 450.0000 (MHz)
Start Power: 250 (mW)
Rotation (1D): 0.120 dB
Adjusted SAR (1W): 4.60 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 42.3$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 450 MHz, ConvF(10.3, 10.3, 10.3) @ 450 MHz
Electronics: DAE4 Sn729, Calibrated: 10/16/2019

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x241x1):

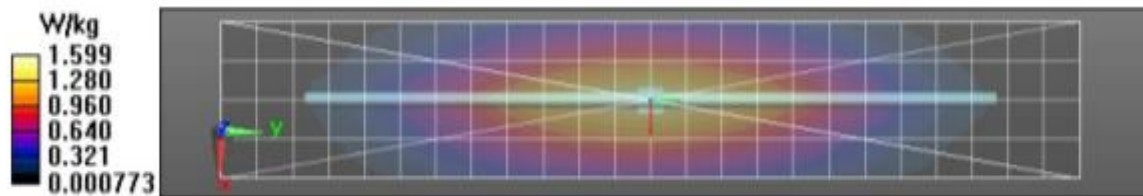
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 43.44 V/m; Power Drift = -0.04 dB
Fast SAR: SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.866 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.60 W/kg

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 = 43.44 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.86 W/kg
SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.769 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.60 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) = 1.58 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 6/16/2020 9:11:57 AM

Robot#: DASY5-PG-4 | Run#: ZZ(AMN)-SYSP-450H-200616-06
Dipole Model# D450V3
Phantom#: ELI4 1022
Tissue Temp: 21.1 (C)
Serial#: 1053
Test Freq: 450.000 (MHz)
Start Power: 250 (mW)
Rotation (1D): 0.250 dB
Adjusted SAR (1W): 4.32 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.9 \text{ S/m}$; $\epsilon_r = 42.8$; $\rho = 1000 \text{ kg/m}^3$
Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 450 MHz, ConvF(10.3, 10.3, 10.3) @ 450 MHz
Electronics: DAE4 Sn729, Calibrated: 10/16/2019

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x241x1):

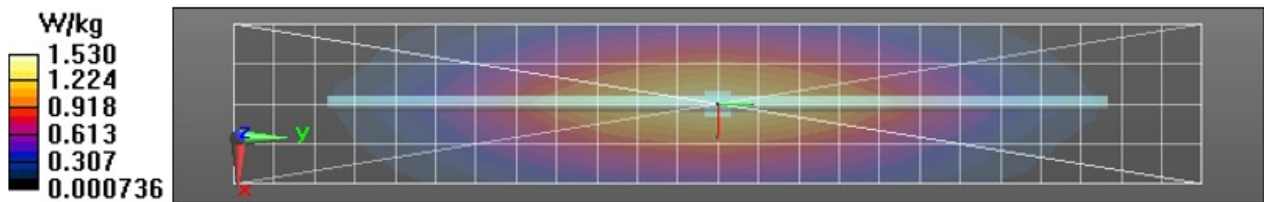
Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Reference Value = 42.07 V/m; Power Drift = 0.20 dB
Fast SAR: SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.816 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.53 W/kg

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 = 42.07 V/m; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 1.79 W/kg
SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.724 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.53 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) = 1.60 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/17/2020 8:18:57 AM

Robot#: DASY5-PG-4 | Run#: ZZ(MA)-SYSP-450H-200617-04
 Dipole Model# D450V3
 Phantom#: ELI4 1022
 Tissue Temp: 20.5 (C)
 Serial#: 1053
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.160 dB
 Adjusted SAR (1W): 4.40 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.89 \text{ S/m}$; $\epsilon_r = 43.1$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 450 MHz, ConvF(10.3, 10.3, 10.3) @ 450 MHz
 Electronics: DAE4 Sn729, Calibrated: 10/16/2019

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x241x1):

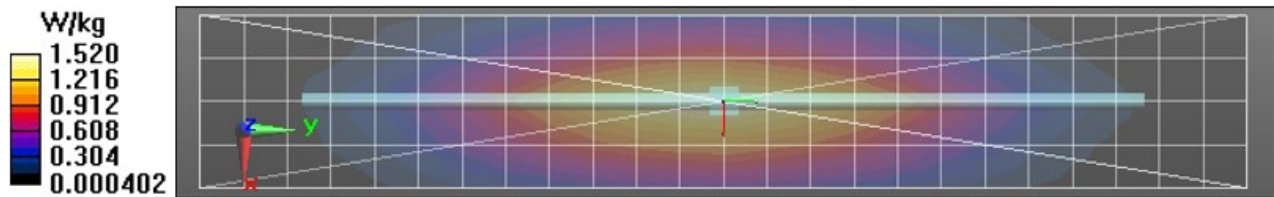
Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 42.26 V/m; Power Drift = 0.02 dB
Fast SAR: SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.829 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.53 W/kg

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 = 42.26 V/m; Power Drift = 0.02 dB
 Peak SAR (extrapolated) = 1.80 W/kg
SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.738 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.54 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) = 1.54 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/23/2020 8:49:57 PM

Robot#: DASY5-PG-2 | Run#: AN-SYSP-450H-200623-21
 Dipole Model#: D450V3
 Phantom#: ELI4 1022
 Tissue Temp: 21.4 (C)
 Serial#: 1053
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.170 dB
 Adjusted SAR (1W): 4.40 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.88 \text{ S/m}$; $\epsilon_r = 42.7$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7534, Calibrated: 7/25/2019, Frequency: 450 MHz, ConvF(11.59, 11.59, 11.59) @ 450 MHz
 Electronics: DAE3 Sn374, Calibrated: 7/17/2019

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x201x1):

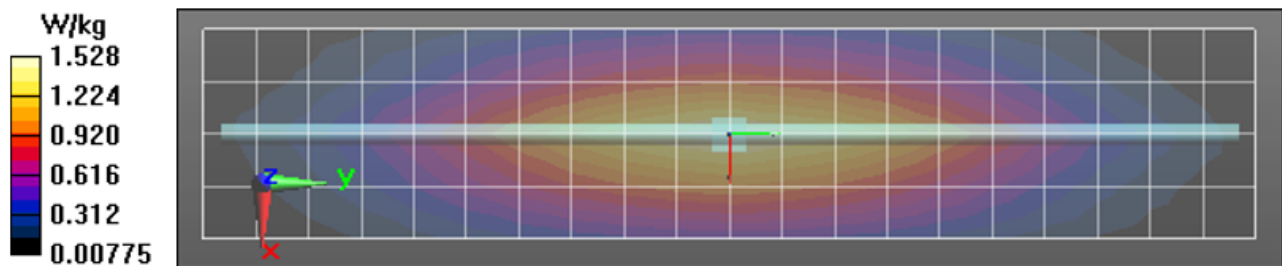
Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 42.67 V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.832 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.53 W/kg

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 = 42.67 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 1.81 W/kg
SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.729 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.55 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) = 1.55 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/24/2020 8:35:34 AM

Robot#: DASY5-PG-2 | Run#: BL-SYSP-450H-200624-06
Dipole Model#: D450V3
Phantom#: ELI4 1022
Tissue Temp: 20.6 (C)
Serial#: 1053
Test Freq: 450.0000 (MHz)
Start Power: 250 (mW)
Rotation (1D): 0.16 dB
Adjusted SAR (1W): 4.44 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 43.3$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7534, Calibrated: 7/25/2019, Frequency: 450 MHz, ConvF(11.59, 11.59, 11.59) @ 450 MHz
Electronics: DAE3 Sn374, Calibrated: 7/17/2019

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x201x1):

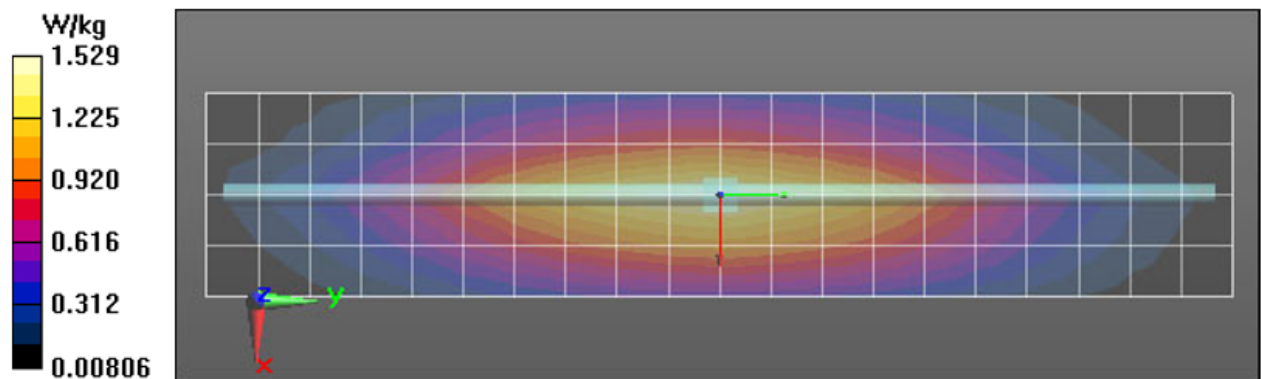
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 42.69 V/m; Power Drift = 0.02 dB
Fast SAR: SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.842 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.54 W/kg

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 = 42.69 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.82 W/kg
SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.738 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.55 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) = 1.55 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 6/29/2020 1:43:27 PM

Robot#: DASY5-PG-2 | Run#: AN-SYSP-450H-200629-13
Dipole Model# D450V3
Phantom#: ELI5 1147
Tissue Temp: 20.7 (C)
Serial#: 1053
Test Freq: 450.0000 (MHz)
Start Power: 250 (mW)
Rotation (1D): 0.160 dB
Adjusted SAR (1W): 4.52 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 43$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7534, Calibrated: 7/25/2019, Frequency: 450 MHz, ConvF(11.59, 11.59, 11.59) @ 450 MHz
Electronics: DAE3 Sn374, Calibrated: 7/17/2019

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x201x1):

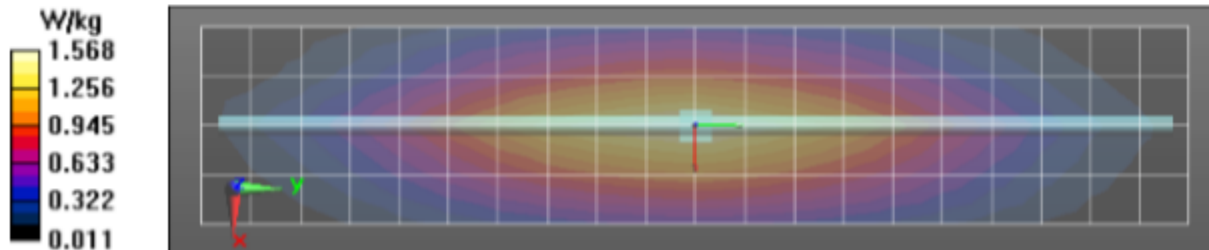
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 42.84 V/m; Power Drift = -0.00 dB
Fast SAR: SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.848 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.57 W/kg

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 = 42.84 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 1.85 W/kg
SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.751 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.58 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) = 1.59 W/kg



Appendix E DUT Scans

Assessments at the Body - Table 18

Motorola Solutions, Inc. EME Laboratory
 Date/Time: 6/16/2020 12:09:43 PM

Robot#: DASY5-PG-4 | Run#: ZZ(MA)-AB-200616-10
 Model#: AAH56QDN9PA3AN (PMUE4174A)
 Phantom#: ELI4 1022
 Tissue Temp: 21.0 (C)
 Serial#: 627TWK0575
 Antenna: PMAE4024B
 Test Freq: 438.1000 (MHz)
 Battery: NNTN8386A
 Carry Acc: PMLN6086A
 Audio Acc: PMMN4067B
 Start Power: 4.78 (W)

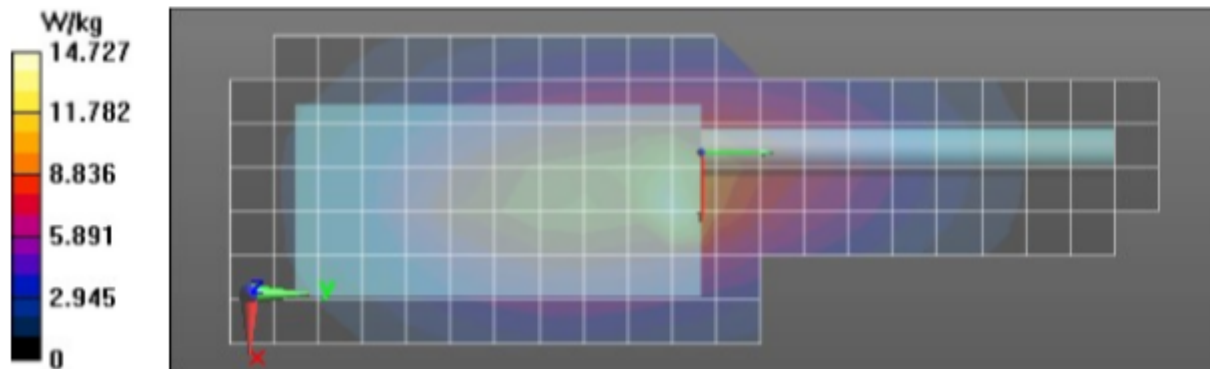
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 438$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 43.1$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 438.1 MHz, ConvF(10.3, 10.3, 10.3) @ 438.1 MHz
 Electronics: DAE4 Sn729, Calibrated: 10/16/2019

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 105.0 V/m; Power Drift = -0.41 dB
Fast SAR: SAR(1 g) = 11.5 W/kg; SAR(10 g) = 7.7 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 15.2 W/kg

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 = 105.0 V/m; Power Drift = -0.52 dB
 Peak SAR (extrapolated) = 19.8 W/kg
SAR(1 g) = 10.1 W/kg; SAR(10 g) = 6.45 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 15.9 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) = 16.1 W/kg



Assessments at the Body - Table 19

Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/16/2020 4:38:03 PM

Robot#: DASY5-PG-4 | Run#: ZZ(MA)-AB-200616-16
Model#: AAH56QDN9PA3AN (PMUE4174A)
Phantom#: ELI4 1022
Tissue Temp: 21.4 (C)
Serial#: 627TWK0575
Antenna: PMAE4023B
Test Freq: 430.0000 (MHz)
Battery: NNTN8386A
Carry Acc: PMLN6097A
Audio Acc: PMMN4067B
Start Power: 4.78 (W)

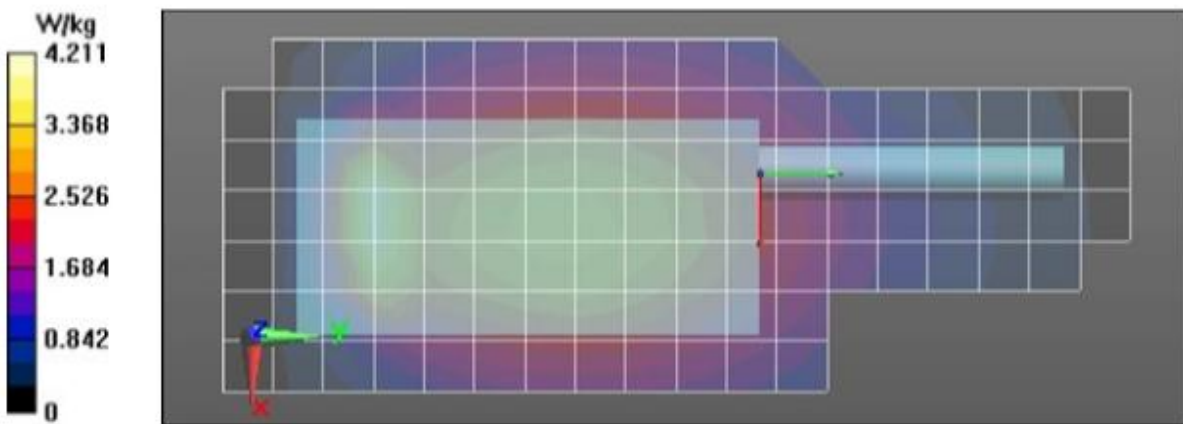
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 430$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 43.3$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 430 MHz, ConvF(10.3, 10.3, 10.3) @ 430 MHz
Electronics: DAE4 Sn729, Calibrated: 10/16/2019

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 59.07 V/m; Power Drift = -0.38 dB
Fast SAR: SAR(1 g) = 3.44 W/kg; SAR(10 g) = 2.24 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 4.57 W/kg

Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (11x10x8)/Cube 0: Measurement grid: dx=3.6mm, dy=3.6mm, dz=1.4mm
Reference Value = 59.07 V/m; Power Drift = -0.76 dB
Peak SAR (extrapolated) = 12.0 W/kg
SAR(1 g) = 3.04 W/kg; SAR(10 g) = 1.75 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.43 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) = 5.40 W/kg



Assessment at the Body – Table 20

Motorola Solutions, Inc. EME Laboratory
 Date/Time: 6/16/2020 9:48:06 PM

Robot#: DASY5-PG-4 | Run#: NZ-AB-200616-20
 Model#: AAH56QDN9PA3AN (PMUE4174A)
 Phantom#: ELI4 1022
 Tissue Temp: 21.4 (C)
 Serial#: 627TWK0575
 Antenna: PMAE4024B
 Test Freq: 430.0000 (MHz)
 Battery: NNTN8386A
 Carry Acc: PMLN6099A
 Audio Acc: PMMN4067B
 Start Power: 4.80 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.88 \text{ S/m}$; $\epsilon_r = 43.3$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 430 MHz, ConvF(10.3, 10.3, 10.3) @ 430 MHz
 Electronics: DAE4 Sn729, Calibrated: 10/16/2019

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x221x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

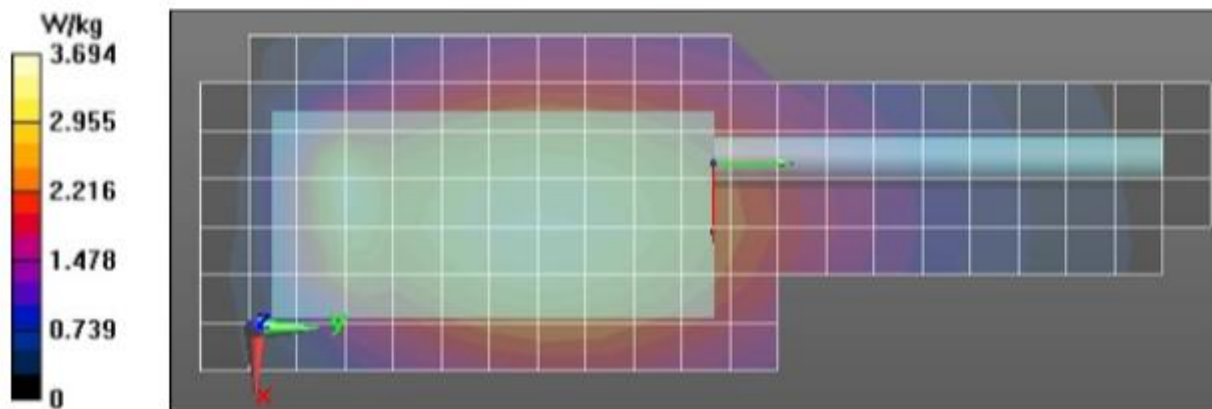
Reference Value = 60.81 V/m; Power Drift = -0.40 dB
Fast SAR: SAR(1 g) = 3.02 W/kg; SAR(10 g) = 2.13 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 3.93 W/kg

Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (6x13x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 60.81 V/m; Power Drift = -0.61 dB
 Peak SAR (extrapolated) = 5.53 W/kg
SAR(1 g) = 2.62 W/kg; SAR(10 g) = 1.99 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 3.92 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) = 4.00 W/kg



Assessments at the Body - Table 21

Motorola Solutions, Inc. EME Laboratory Date/Time: 6/16/2020 11:32:18 PM

Robot#: DASY5-PG-4 | Run#: NZ-AB-200616-22
 Model#: AAH56QDN9PA3AN (PMUE4174A)
 Phantom#: ELI4 1022
 Tissue Temp: 21.3 (C)
 Serial#: 627TWK0575
 Antenna: PMAE4024B
 Test Freq: 438.1000 (MHz)
 Battery: NNTN8386A
 Carry Acc: PMLN6086A
 Audio Acc: NNTN8382B
 Start Power: 4.80 (W)

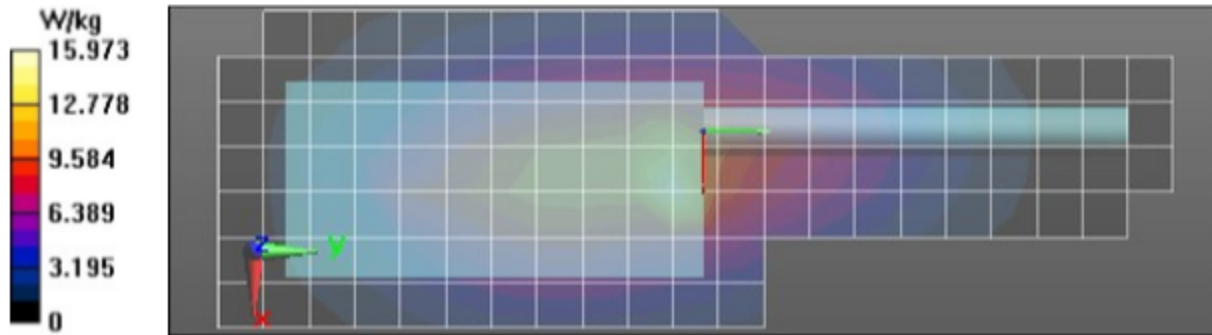
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 438 \text{ MHz}$; $\sigma = 0.89 \text{ S/m}$; $\epsilon_r = 43.1$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 438.1 MHz, ConvF(10.3, 10.3, 10.3) @ 438.1 MHz
 Electronics: DAE4 Sn729, Calibrated: 10/16/2019

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x221x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 106.6 V/m; Power Drift = -0.41 dB
Fast SAR: SAR(1 g) = 12.4 W/kg; SAR(10 g) = 8.09 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 16.3 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 = 106.6 V/m; Power Drift = -0.50 dB
 Peak SAR (extrapolated) = 21.2 W/kg
SAR(1 g) = 10.6 W/kg; SAR(10 g) = 6.71 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 17.1 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) = 17.2 W/kg



Assessments at the Face - Table 23

Motorola Solutions, Inc. EME Laboratory
Date/Time: 6/17/2020 11:20:11 AM

Robot#: DASY5-PG-4 | Run#: ZZ(MA)-FACE-200617-07
Model#: AAH56QDN9PA3AN (PMUE4174A)
Phantom#: ELI4 1022
Tissue Temp: 20.7 (C)
Serial#: 627TWK0575
Antenna: PMAE4024B
Test Freq: 430.0000 (MHz)
Battery: NNTN8386A
Carry Acc: @ front
Audio Acc: N/A
Start Power: 4.78 (W)

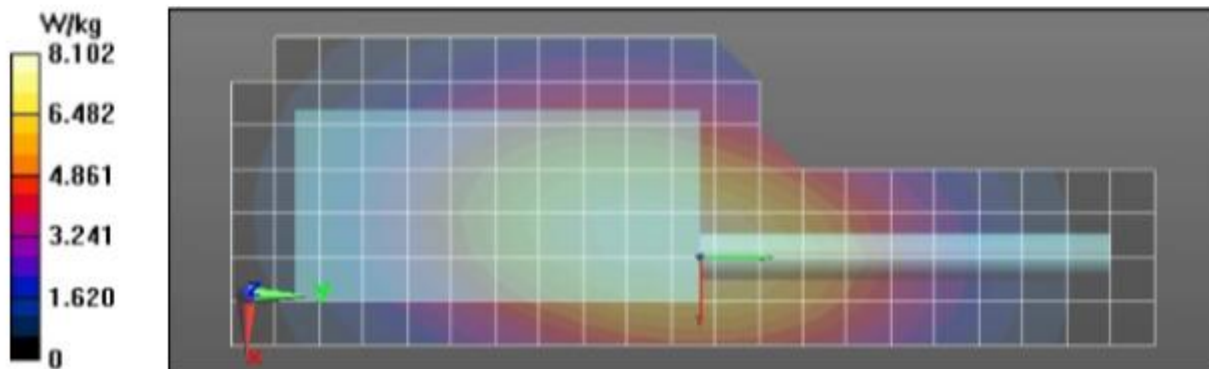
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 430 MHz; sigma = 0.87 S/m; epsilon_r = 43.6; rho = 1000 kg/m^3
Probe: EX3DV4 - SN7511, Calibrated: 10/24/2019, Frequency: 430 MHz, ConvF(10.3, 10.3, 10.3) @ 430 MHz
Electronics: DAE4 Sn729, Calibrated: 10/16/2019

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 95.94 V/m; Power Drift = -0.35 dB
Fast SAR: SAR(1 g) = 6.71 W/kg; SAR(10 g) = 4.93 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 8.22 W/kg

Below 2 GHz-Rev.3/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 95.94 V/m; Power Drift = -0.40 dB
Peak SAR (extrapolated) = 8.80 W/kg
SAR(1 g) = 6.31 W/kg; SAR(10 g) = 4.76 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 7.87 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) = 7.82 W/kg



Assessments at the Body - Table 24

Motorola Solutions, Inc. EME Laboratory Date/Time: 6/23/2020 10:26:24 PM

Robot#: DASY5-PG-2 | Run#: AN-AB-200623-22
 Model#: AAH56QDN9PA3AN (PMUE4174A)
 Phantom#: ELI4 1022
 Tissue Temp: 21.4 (C)
 Serial#: 627TWK0575
 Antenna: PMAE4024B
 Test Freq: 430.0000 (MHz)
 Battery: NNTN8386A
 Carry Acc: PMLN6086A
 Audio Acc: NNTN8382B
 Start Power: 4.80 (W)

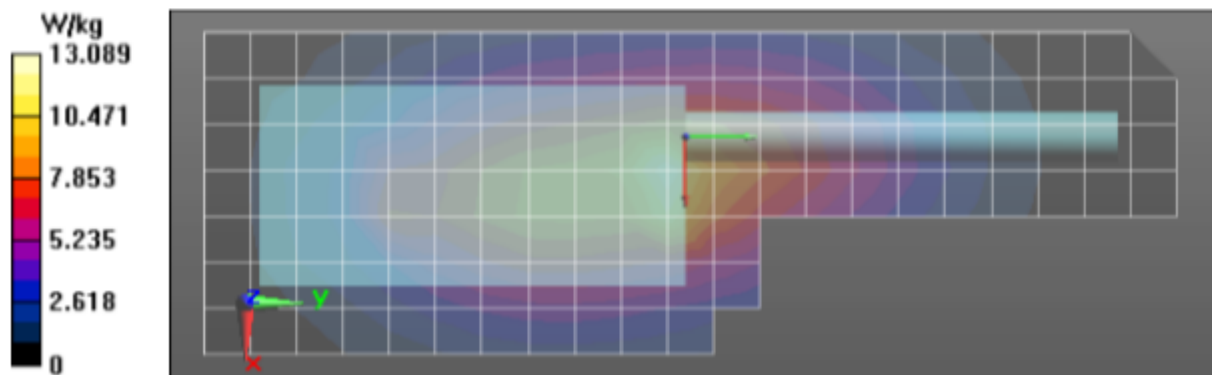
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 430$ MHz; $\sigma = 0.86$ S/m; $\epsilon_r = 43.1$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7534, Calibrated: 7/25/2019, Frequency: 430 MHz, ConvF(11.59, 11.59, 11.59) @ 430 MHz
 Electronics: DAE3 Sn374, Calibrated: 7/17/2019

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 100.5 V/m; Power Drift = -0.36 dB
Fast SAR: SAR(1 g) = 10.4 W/kg; SAR(10 g) = 7.13 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 13.2 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 = 100.5 V/m; Power Drift = -0.42 dB
 Peak SAR (extrapolated) = 17.1 W/kg
SAR(1 g) = 9.5 W/kg; SAR(10 g) = 6.18 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 14.1 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) = 14.5 W/kg



Assessments at the Body - Table 25

Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/29/2020 2:28:30 PM

Robot#: DASY5-PG-2 | Run#: AN-AB-200629-14
Model#: AAH56QDN9PA3AN (PMUE4174A)
Phantom#: ELI5 1147
Tissue Temp: 20.7 (C)
Serial#: 627TWK0575
Antenna: PMAE4018B
Test Freq: 403.0000 (MHz)
Battery: NNTN8386A
Carry Acc: PMLN6086A
Audio Acc: NNTN8382B
Start Power: 4.77 (W)

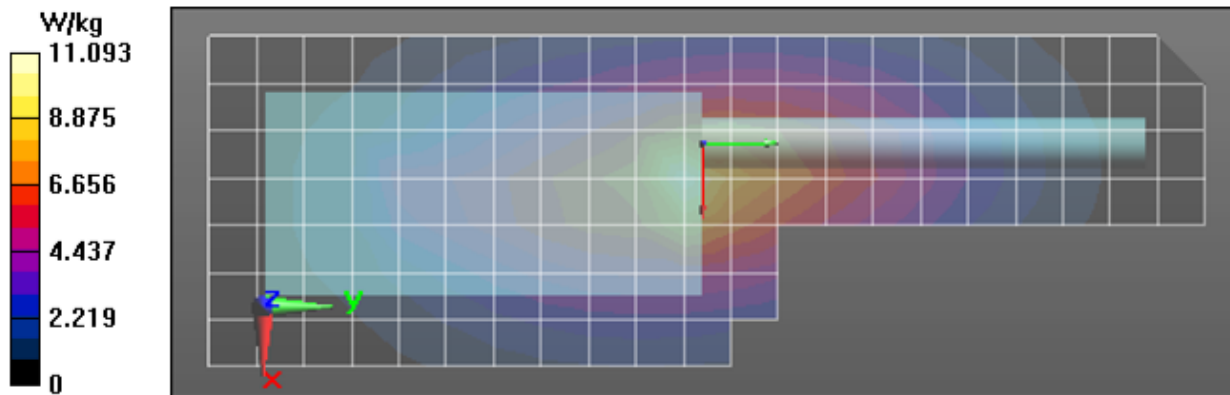
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 403 MHz; sigma = 0.85 S/m; epsilon_r = 44.1; rho = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 7/25/2019, Frequency: 403 MHz, ConvF(11.59, 11.59, 11.59) @ 403 MHz
Electronics: DAE3 Sn374, Calibrated: 7/17/2019

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 97.13 V/m; Power Drift = -0.50 dB
Fast SAR: SAR(1 g) = 8.83 W/kg; SAR(10 g) = 5.93 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 11.2 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 = 97.13 V/m; Power Drift = -0.57 dB
Peak SAR (extrapolated) = 13.4 W/kg
SAR(1 g) = 7.72 W/kg; SAR(10 g) = 5.13 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 11.1 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) = 11.4 W/kg



Assessments at the Face - Table 25

Motorola Solutions, Inc. EME Laboratory Date/Time: 6/29/2020 3:01:51 PM

Robot#: DASY5-PG-2 | Run#: AN-FACE-200629-15
 Model#: AAH56QDN9PA3AN (PMUE4174A)
 Phantom#: ELI5 1147
 Tissue Temp: 20.7 (C)
 Serial#: 627TWK0575
 Antenna: PMAE4018B
 Test Freq: 403.0000 (MHz)
 Battery: NNTN8386A
 Carry Acc: @ front
 Audio Acc: N/A
 Start Power: 4.76 (W)

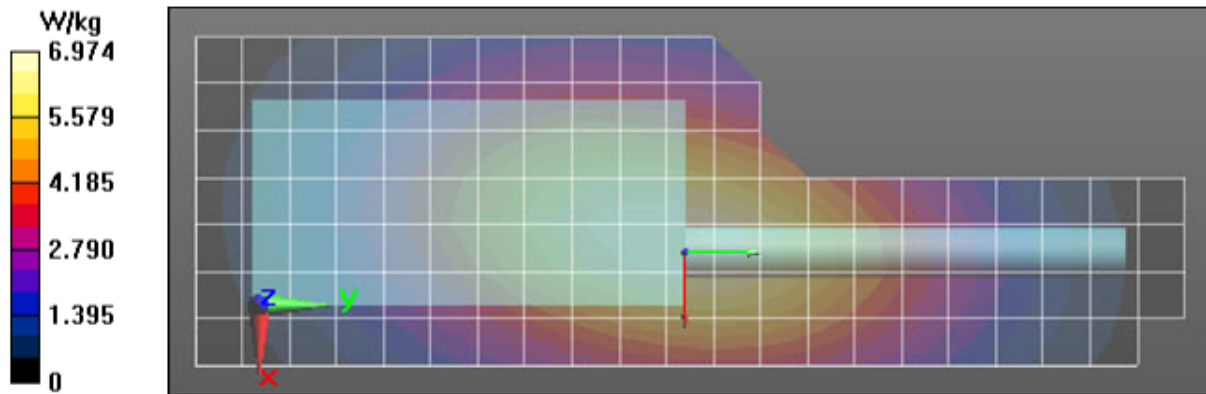
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 403$ MHz; $\sigma = 0.85$ S/m; $\epsilon_r = 44.1$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7534, Calibrated: 7/25/2019, Frequency: 403 MHz, ConvF(11.59, 11.59, 11.59) @ 403 MHz
 Electronics: DAE3 Sn374, Calibrated: 7/17/2019

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 91.29 V/m; Power Drift = -0.36 dB
Fast SAR: SAR(1 g) = 5.88 W/kg; SAR(10 g) = 4.34 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 7.06 W/kg

Below 2 GHz-Rev.3/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 91.29 V/m; Power Drift = -0.45 dB
 Peak SAR (extrapolated) = 7.68 W/kg
SAR(1 g) = 5.53 W/kg; SAR(10 g) = 4.17 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 6.80 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) = 6.69 W/kg



APPENDIX F
Shortened Scan of Highest SAR configuration

Shortened Scan Table 26

Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/24/2020 2:59:35 PM

Robot#: DASY5-PG-2 | Run#: BL-AB-200624-13
 Model#: AAH56QDN9PA3AN (PMUE4174A)
 Phantom#: ELI4 1022
 Tissue Temp: 21.4 (C)
 Serial#: 627TWK0575
 Antenna: PMAE4024B
 Test Freq: 438.1000 (MHz)
 Battery: NNTN8386A
 Carry Acc: PMLN6086A
 Audio Acc: NNTN8382B
 Start Power: 4.75 (W)

Comments: Shorten Scan

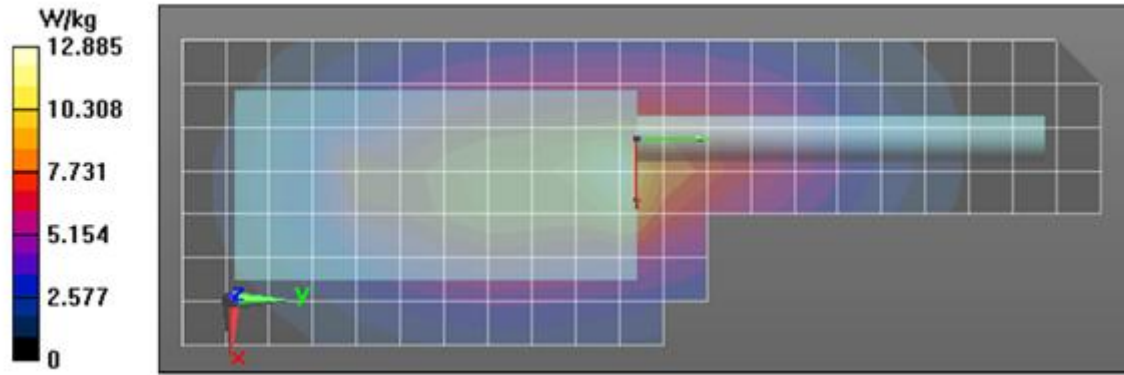
Duty Cycle: 1:1, Medium parameters used: $f = 438$ MHz; $\sigma = 0.87$ S/m; $\epsilon_r = 43.6$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7534, Calibrated: 7/25/2019, Frequency: 438.1 MHz, ConvF(11.59, 11.59, 11.59) @ 438.1 MHz
 Electronics: DAE3 Sn374, Calibrated: 7/17/2019

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 104.7 V/m; Power Drift = -0.50 dB
Fast SAR: SAR(1 g) = 10.1 W/kg; SAR(10 g) = 6.79 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 12.9 W/kg

Below 2 GHz-Rev.3/Ab Scan/2-Volume 2D Scan (41x41x1): Interpolated grid: dx=0.7500 mm, dy=0.7500 mm, dz=1.000 mm
 Reference Value = 104.7 V/m; Power Drift = -0.52 dB
Fast SAR: SAR(1 g) = 10.9 W/kg; SAR(10 g) = 6.98 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 14.2 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 = 135.9 V/m; Power Drift = -0.22 dB
 Peak SAR (extrapolated) = 19.0 W/kg
SAR(1 g) = 10.2 W/kg; SAR(10 g) = 6.53 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 15.2 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) = 14.7 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	5.42
Full scan (area & zoom)	21	35	5.95

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