


MOTOROLA SOLUTIONS


CERTIFICATE 2518.05

DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2

Motorola Solutions,
Inc Penang EME Laboratory
 Plot 2A, Medan Bayan Lepas,
 Mukim 12 S.W.D 11900 Bayan Lepas Penang, Malaysia.

Date of Report: 12/12/2019
Report Revision: A

Responsible Engineer: Lee Kin Kting (EME Engineer)
Report Author: Lee Kin Kting (EME Engineer)
Date/s Tested: 9/10/2019 - 9/13/2019, 9/18/2019- 9/20/2019, 9/22/2019- 9/28/2019, 9/30/2019- 10/4/2019, 10/7/2019, 10/9/2019 - 10/14/2019, 11/13/2019, 12/12/2019
Manufacturer: Motorola Solutions Inc.
Applicant Name: Motorola Solutions Inc.
DUT Description: Handheld Portable - 136-174 5W NKP CFS WiFi
Test TX mode(s): CW (PTT) , Bluetooth, WLAN 802.11 b/g/n
Max. Power output: 6.0 W (LMR 136-174 MHz band), 10.0 mW (Bluetooth), 70.8 mW (WLAN 802.11 b), 20.0 mW (WLAN 802.11g), 12.6 mW (WLAN 802.11n)
Nominal Power: 5.0 W (LMR 136-174 MHz band), 8.9 mW (Bluetooth), 55.0 mW (WLAN 802.11 b), 14.8 mW (WLAN 802.11g), 10.0 mW (WLAN 802.11n)
Tx Frequency Bands: LMR 136-174 MHz; Bluetooth 2.402-2.480 GHz; WLAN 802.11 b/g/n 2.412-2.462 GHz
Signaling type: FM (LMR), FHSS (Bluetooth), 802.11 b/g/n (WLAN)
Model(s) Tested: AAH02JDC9VA1AN (PMUD2629C) / PMUD2629CAANKA
Model(s) Certified: AAH02JDC9VA1AN (PMUD2629C) / PMUD2629CAANKA, AAH02JDH9VA1AN (PMUD2627C) / PMUD2627CABNKA
Serial Number(s): 446TVPB943
Classification: Occupational/Controlled
FCC ID: AZ489FT7126; LMR 150.8-173.4 MHz, Bluetooth 2.402-2.480 GHz, WLAN 802.11 b/g/n 2.412-2.462 GHz
 This report contains results that are immaterial for FCC equipment approval, which are clearly identified.
IC: 109U-89FT7126; LMR 138-174 MHz, Bluetooth 2.402-2.480 GHz, WLAN 802.11 b/g/n 2.412-2.462 GHz
 This report contains results that are immaterial for ISSED equipment approval, which are clearly identified
ISED Test Site registration: 24843
FCC Test Firm
Registration Number: 823256

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.


Tiong Nguk Ing
 Deputy Technical Manager (Approved Signatory)
 Approval Date: 12/19/2019

Digitally signed
 by Tiong Nguk
 Ing
 Date:
 2019.12.19
 15:50:39 +08'00'

Appendix D

System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/11/2019 4:05:47 AM

Robot#: DASY5-PG-4 | Run#: AN-SYSP-150B-190911-03
 Dipole Model#: CLA-150
 Phantom#: ELI4 1016
 Tissue Temp: 20.9 (C)
 Serial#: 4005
 Test Freq: 150.0000 (MHz)
 Start Power: 1000 (mW)
 Rotation (1D): 0.110 dB
 Adjusted SAR (1W): 4.20 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.77$ S/m; $\epsilon_r = 60.1$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 1/23/2019, Frequency: 150 MHz, ConvF(13.55, 13.55, 13.55) @ 150 MHz
 Electronics: DAE4 Sn688, Calibrated: 1/10/2019

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

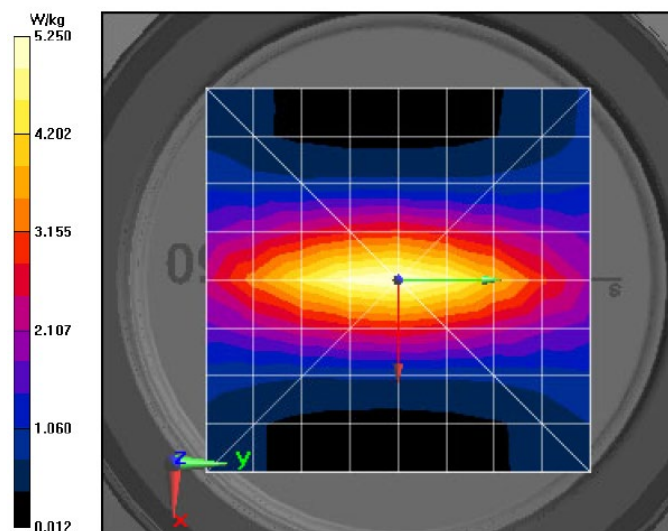
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 84.06 V/m; Power Drift = -0.15 dB
 Fast SAR: SAR(1 g) = 4.67 W/kg; SAR(10 g) = 3.32 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 5.37 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 Reference Value = 84.06 V/m; Power Drift = -0.15 dB
 Peak SAR (extrapolated) = 6.49 W/kg
 SAR(1 g) = 4.2 W/kg; SAR(10 g) = 2.8 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 5.26 W/kg

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

grid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 Maximum value of SAR (measured) = 5.25 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/12/2019 5:00:50 AM

Robot#: DASY5-PG-4 | Run#: AN-SYSP-150B-190912-06
Dipole Model#: CLA-150
Phantom#: ELI4 1016
Tissue Temp: 21.1 (C)
Serial#: 4005
Test Freq: 150.0000 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.100 dB
Adjusted SAR (1W): 4.15 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.77$ S/m; $\epsilon_r = 59.9$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7485, Calibrated: 1/23/2019, Frequency: 150 MHz, ConvF(13.55, 13.55, 13.55) @ 150 MHz
Electronics: DAE4 Sn688, Calibrated: 1/10/2019

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

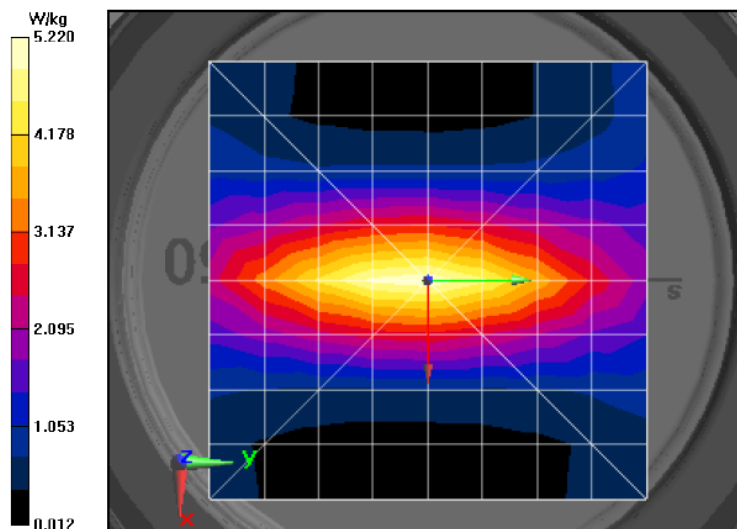
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 82.11 V/m; Power Drift = 0.03 dB
Fast SAR: SAR(1 g) = 4.54 W/kg; SAR(10 g) = 3.24 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.23 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 82.11 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 6.41 W/kg
SAR(1 g) = 4.15 W/kg; SAR(10 g) = 2.76 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.20 W/kg

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

grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 5.22 W/kg



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Date/Time: 9/13/2019 7:54:46 AM

Robot#: DASY5-PG-4 | Run#: CK-SYSP-150B-190913-08

Dipole Model#: CLA-150

Phantom#: ELI4 1016

Tissue Temp: 21.8 (C)

Serial#: 4005

Test Freq: 150.0000 (MHz)

Start Power: 1000 (mW)

Rotation (1D): 0.089 dB

Adjusted SAR (1W): 4.15 mW/g (1g)

Comments:Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.77$ S/m; $\epsilon_r = 59.6$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7485, Calibrated: 1/23/2019, Frequency: 150 MHz, ConvF(13.55, 13.55, 13.55) @ 150 MHz

Electronics: DAE4 Sn688, Calibrated: 1/10/2019

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

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

Reference Value = 82.47 V/m; Power Drift = -0.00 dB

Fast SAR: SAR(1 g) = 4.58 W/kg; SAR(10 g) = 3.27 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 5.25 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

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

Reference Value = 82.47 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 6.39 W/kg

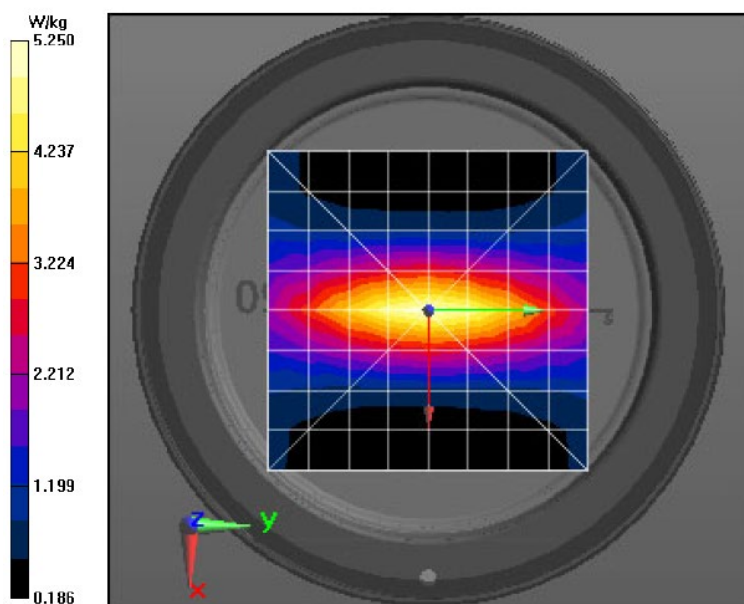
SAR(1 g) = 4.15 W/kg; SAR(10 g) = 2.78 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.18 W/kg

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

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

Maximum value of SAR (measured) = 5.20 W/kg



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Date/Time: 9/18/2019 2:22:50 AM

Robot#: DASY5-PG-3 | Run#: LOH-SYSP-150B-190918-01
Dipole Model#: CLA-150
Phantom#: ELI4 1016
Tissue Temp: 21.2 (C)
Serial#: 4005
Test Freq: 150.0000 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.15 dB
Adjusted SAR (1W): 3.84 mW/g (1g)

Comments:

Medium parameters used: $f = 150$ MHz; $\sigma = 0.78$ S/m; $\epsilon_r = 60.2$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 150 MHz, ConvF(12.37, 12.37, 12.37) @ 150 MHz
Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

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

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

Reference Value = 82.56 V/m; Power Drift = -0.01 dB

Fast SAR: SAR(1 g) = 4.52 W/kg; SAR(10 g) = 3.21 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 5.40 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

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

Reference Value = 82.56 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 6.55 W/kg

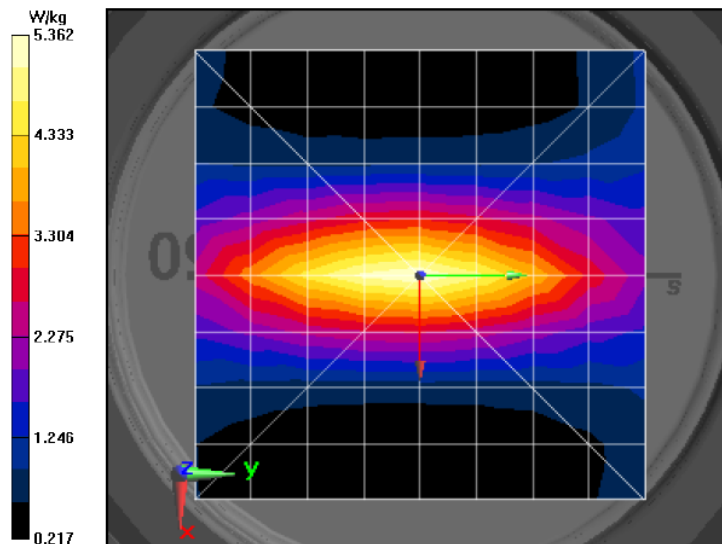
SAR(1 g) = 3.84 W/kg; SAR(10 g) = 2.51 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.40 W/kg

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

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

Maximum value of SAR (measured) = 5.40 W/kg



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Date/Time: 9/19/2019 1:24:32 AM

Robot#: DASY5-PG-3 | Run#: LOH-SYSP-150B-190919-02
 Dipole Model#: CLA-150
 Phantom#: ELI4 1016
 Tissue Temp: 20.8 (C)
 Serial#: 4005
 Test Freq: 150.0000 (MHz)
 Start Power: 1000 (mW)
 Rotation (1D): 0.15 dB
 Adjusted SAR (1W): 3.97 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.77$ S/m; $\epsilon_r = 59.4$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 150 MHz, ConvF(12.37, 12.37, 12.37) @ 150 MHz
 Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

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

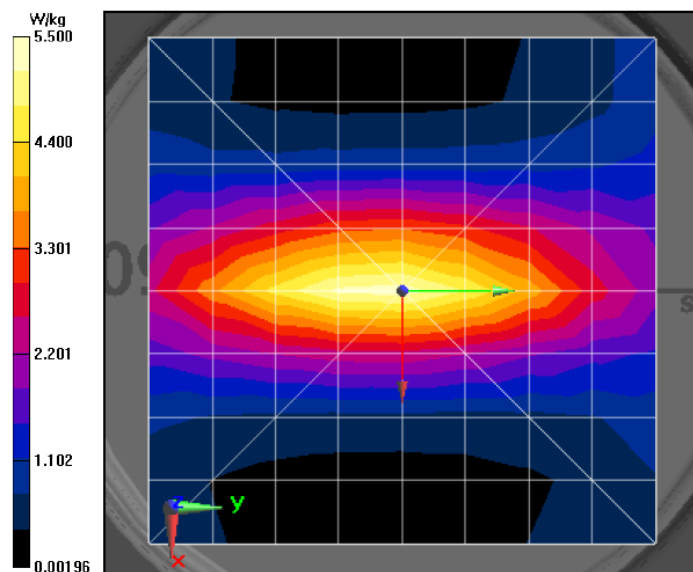
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 84.59 V/m; Power Drift = -0.02 dB
 Fast SAR: SAR(1 g) = 4.63 W/kg; SAR(10 g) = 3.29 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 5.47 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 Reference Value = 84.59 V/m; Power Drift = -0.02 dB
 Peak SAR (extrapolated) = 6.66 W/kg
 SAR(1 g) = 3.97 W/kg; SAR(10 g) = 2.61 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 5.50 W/kg

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

grid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 Maximum value of SAR (measured) = 5.50 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/20/2019 2:28:49 AM

Robot#: DASY5-PG-3 | Run#: LOH-SYSP-150B-190920-03
 Dipole Model#: CLA-150
 Phantom#: ELI4 1016
 Tissue Temp: 21.0 (C)
 Serial#: 4005
 Test Freq: 150.0000 (MHz)
 Start Power: 1000 (mW)
 Rotation (1D): 0.15 dB
 Adjusted SAR (1W): 3.85 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.77$ S/m; $\epsilon_r = 59.4$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 150 MHz, ConvF(12.37, 12.37, 12.37) @ 150 MHz
 Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

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

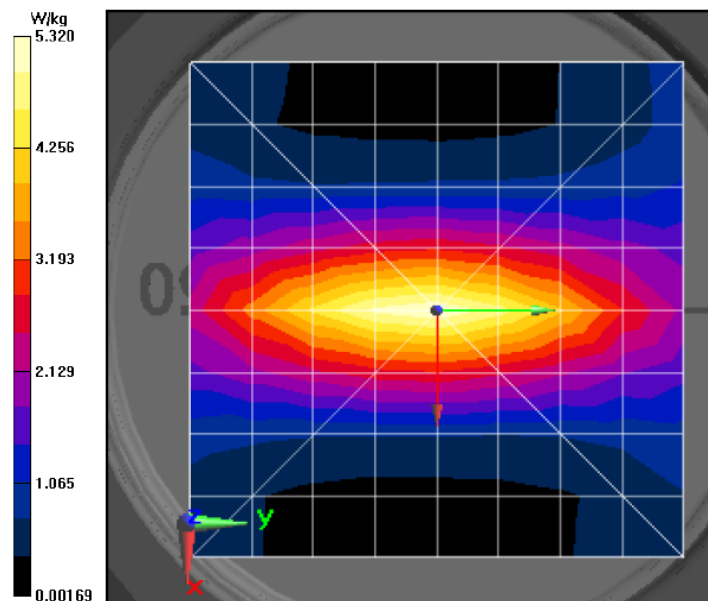
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 84.02 V/m; Power Drift = -0.14 dB
 Fast SAR: SAR(1 g) = 4.51 W/kg; SAR(10 g) = 3.21 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 5.38 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 Reference Value = 84.02 V/m; Power Drift = -0.14 dB
 Peak SAR (extrapolated) = 6.48 W/kg
 SAR(1 g) = 3.85 W/kg; SAR(10 g) = 2.53 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 5.33 W/kg

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

grid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 Maximum value of SAR (measured) = 5.32 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/22/2019 1:14:30 AM

Robot#: DASY5-PG-3 | Run#: LOH-SYSP-150B-190922-01
Dipole Model#: CLA-150
Phantom#: ELI4 1016
Tissue Temp: 20.9 (C)
Serial#: 4005
Test Freq: 150.0000 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.15 dB
Adjusted SAR (1W): 3.77 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.79$ S/m; $\epsilon_r = 59.2$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 150 MHz, ConvF(12.37, 12.37, 12.37) @ 150 MHz
Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

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

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

Reference Value = 81.90 V/m; Power Drift = 0.05 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) = 5.37 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

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

Reference Value = 81.90 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 6.56 W/kg

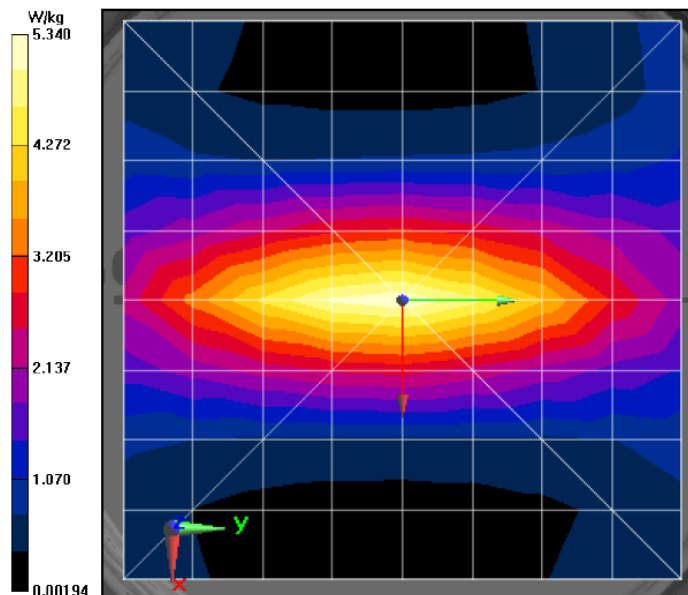
SAR(1 g) = 3.77 W/kg; SAR(10 g) = 2.46 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.37 W/kg

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

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

Maximum value of SAR (measured) = 5.34 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/23/2019 8:24:59 AM

Robot#: DASY5-PG-3 | Run#: LOH-SYSP-150B-190923-01
Dipole Model#: CLA-150
Phantom#: ELI4 1016
Tissue Temp: 21.2 (C)
Serial#: 4005
Test Freq: 150.0000 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.17 dB
Adjusted SAR (1W): 3.73 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.8$ S/m; $\epsilon_r = 59.5$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 150 MHz, ConvF(12.37, 12.37, 12.37) @ 150 MHz
Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

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

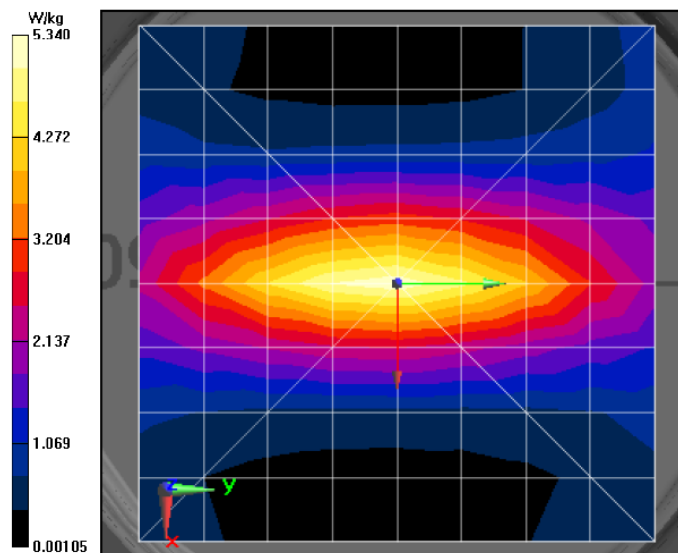
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Reference Value = 80.77 V/m; Power Drift = 0.03 dB
Fast SAR: SAR(1 g) = 4.36 W/kg; SAR(10 g) = 3.1 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.32 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
Reference Value = 80.77 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 6.46 W/kg
SAR(1 g) = 3.73 W/kg; SAR(10 g) = 2.44 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.33 W/kg

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

grid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
Maximum value of SAR (measured) = 5.34 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/24/2019 9:04:28 PM

Robot#: DASY5-PG-3 | Run#: ZZ-SYSP-150B-190924-06
 Dipole Model#: CLA-150
 Phantom#: ELI4 1016
 Tissue Temp: 20.6 (C)
 Serial#: 4005
 Test Freq: 150.0000 (MHz)
 Start Power: 1000 (mW)
 Rotation (1D): 0.15 dB
 Adjusted SAR (1W): 3.62 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.83$ S/m; $\epsilon_r = 59.3$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 150 MHz, ConvF(12.37, 12.37, 12.37) @ 150 MHz

Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

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

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

Reference Value = 80.46 V/m; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 4.27 W/kg; SAR(10 g) = 3.04 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 5.36 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

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

Reference Value = 80.46 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 6.53 W/kg

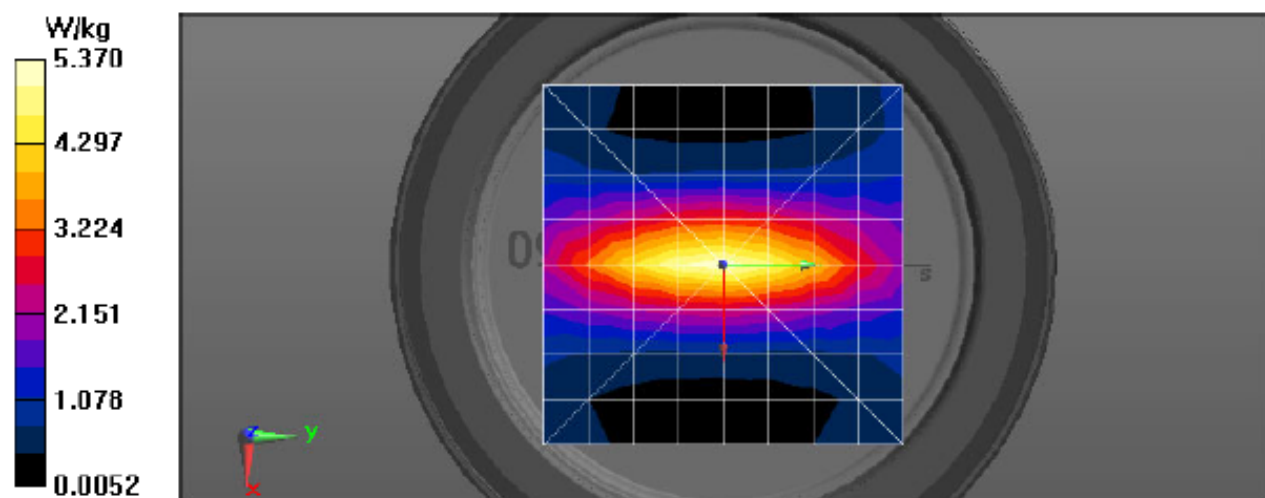
SAR(1 g) = 3.62 W/kg; SAR(10 g) = 2.37 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.37 W/kg

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

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

Maximum value of SAR (measured) = 5.37 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/25/2019 1:48:34 PM

Robot#: DASY5-PG-3 | Run#: LOH(NZ)-SYSP-150B-190925-12
 Dipole Model#: CLA-150
 Phantom#: ELI4 1016
 Tissue Temp: 20.4 (C)
 Serial#: 4005
 Test Freq: 150.0000 (MHz)
 Start Power: 1000 (mW)
 Rotation (1D): 0.15 dB
 Adjusted SAR (1W): 3.70 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.83$ S/m; $\epsilon_r = 59.9$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 150 MHz, ConvF(12.37, 12.37, 12.37) @ 150 MHz
 Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

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

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

Reference Value = 80.70 V/m; Power Drift = 0.03 dB

Fast SAR: SAR(1 g) = 4.35 W/kg; SAR(10 g) = 3.1 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 5.45 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

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

Reference Value = 80.70 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 6.60 W/kg

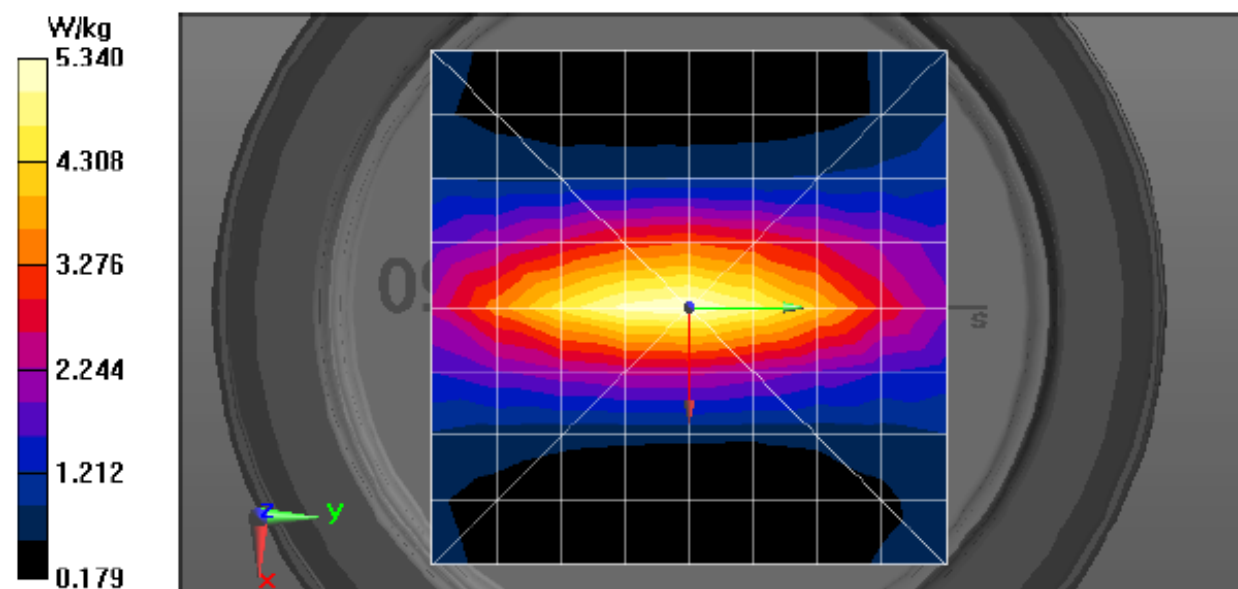
SAR(1 g) = 3.7 W/kg; SAR(10 g) = 2.42 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.44 W/kg

Below 2 GHz-Rev.2/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: 9/26/2019 2:48:50 PM

Robot#: DASY5-PG-3 | Run#: LOH(NZ)-SYSP-150B-190926-11
 Dipole Model#: CLA-150
 Phantom#: ELI4 1016
 Tissue Temp: 20.7 (C)
 Serial#: 4005
 Test Freq: 150.0000 (MHz)
 Start Power: 1000 (mW)
 Rotation (1D): 0.15 dB
 Adjusted SAR (1W): 3.98 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.8$ S/m; $\epsilon_r = 60$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 150 MHz, ConvF(12.37, 12.37, 12.37) @ 150 MHz
 Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

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

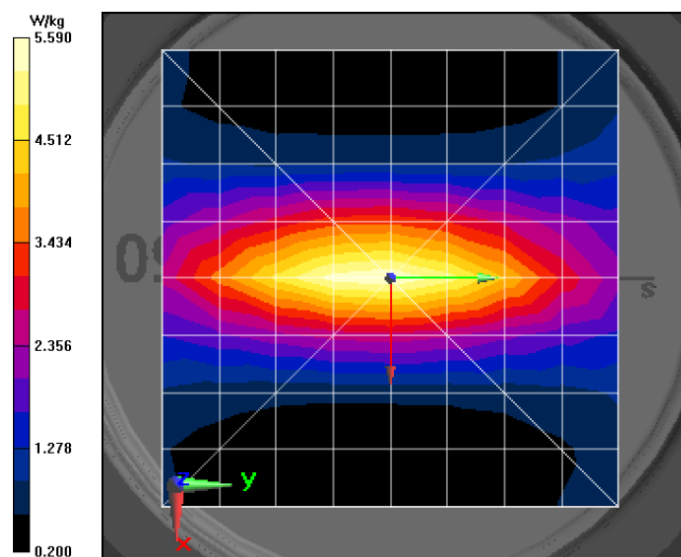
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 85.02 V/m; Power Drift = -0.06 dB
 Fast SAR: SAR(1 g) = 4.68 W/kg; SAR(10 g) = 3.33 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 5.72 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 Reference Value = 85.02 V/m; Power Drift = -0.06 dB
 Peak SAR (extrapolated) = 6.89 W/kg
 SAR(1 g) = 3.98 W/kg; SAR(10 g) = 2.62 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 5.67 W/kg

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

grid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 Maximum value of SAR (measured) = 5.70 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/27/2019 3:10:53 PM

Robot#: DASY5-PG-3 | Run#: LOH-SYSP-150B-190927-11
 Dipole Model#: CLA-150
 Phantom#: ELI4 1016
 Tissue Temp: 20.7 (C)
 Serial#: 4005
 Test Freq: 150.0000 (MHz)
 Start Power: 1000 (mW)
 Rotation (1D): 0.15 dB
 Adjusted SAR (1W): 3.80 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.77$ S/m; $\epsilon_r = 59.9$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 150 MHz, ConvF(12.37, 12.37, 12.37) @ 150 MHz
 Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

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

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

Reference Value = 82.65 V/m; Power Drift = 0.07 dB

Fast SAR: SAR(1 g) = 4.45 W/kg; SAR(10 g) = 3.16 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 5.28 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

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

Reference Value = 82.65 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 6.40 W/kg

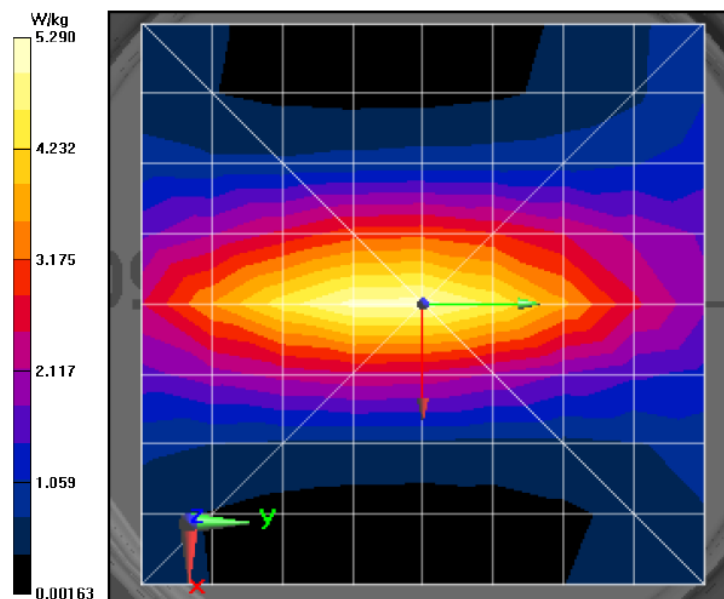
SAR(1 g) = 3.8 W/kg; SAR(10 g) = 2.5 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.29 W/kg

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

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

Maximum value of SAR (measured) = 5.29 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/30/2019 8:04:39 AM

Robot#: DASY5-PG-3 | Run#: ZZ-SYSP-150B-190930-01
Dipole Model#: CLA-150
Phantom#: ELI4 1016
Tissue Temp: 22.4 (C)
Serial#: 4005
Test Freq: 150.0000 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.16 dB
Adjusted SAR (1W): 3.64 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.83$ S/m; $\epsilon_r = 59.2$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 150 MHz, ConvF(12.37, 12.37, 12.37) @ 150 MHz
Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

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

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

Reference Value = 79.96 V/m; Power Drift = 0.04 dB

Fast SAR: SAR(1 g) = 4.26 W/kg; SAR(10 g) = 3.04 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 5.36 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

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

Reference Value = 79.96 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 6.54 W/kg

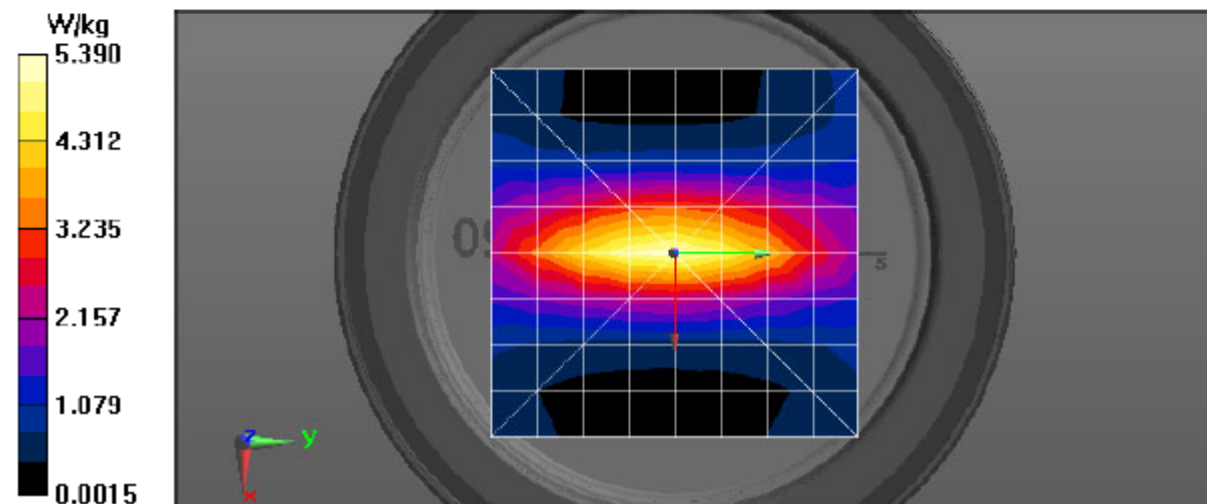
SAR(1 g) = 3.64 W/kg; SAR(10 g) = 2.38 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.38 W/kg

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

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

Maximum value of SAR (measured) = 5.39 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/1/2019 8:17:29 AM

Robot#: DASY5-PG-3 | Run#: ZZ-SYSP-150B-191001-09
Dipole Model#: CLA-150
Phantom#: ELI4 1016
Tissue Temp: 21.3 (C)
Serial#: 4005
Test Freq: 150.0000 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.15 dB
Adjusted SAR (1W): 3.80 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.78$ S/m; $\epsilon_r = 59.2$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 150 MHz, ConvF(12.37, 12.37, 12.37) @ 150 MHz
Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 82.53 V/m; Power Drift = 0.01 dB

Fast SAR: SAR(1 g) = 4.45 W/kg; SAR(10 g) = 3.16 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 5.32 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 82.53 V/m; Power Drift = 0.01 dB

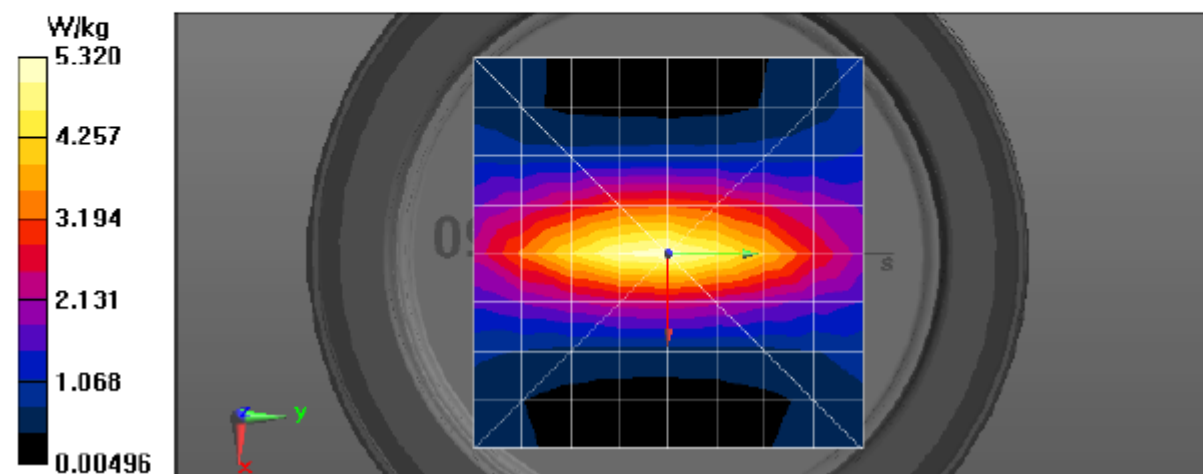
Peak SAR (extrapolated) = 6.50 W/kg

SAR(1 g) = 3.8 W/kg; SAR(10 g) = 2.49 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.34 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurementgrid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm

Maximum value of SAR (measured) = 5.32 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/2/2019 8:54:24 AM

Robot#: DASY5-PG-3 | Run#: ZZ-SYSP-150B-191002-09
Dipole Model# CLA-150
Phantom#: ELI4 1016
Tissue Temp: 21.1 (C)
Serial#: 4005
Test Freq: 150.0000 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.16 dB
Adjusted SAR (1W): 3.78 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.83$ S/m; $\epsilon_r = 59$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 150 MHz, ConvF(12.37, 12.37, 12.37) @ 150 MHz
Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

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

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

Reference Value = 81.54 V/m; Power Drift = 0.03 dB

Fast SAR: SAR(1 g) = 4.43 W/kg; SAR(10 g) = 3.15 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 5.60 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

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

Reference Value = 81.54 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 6.76 W/kg

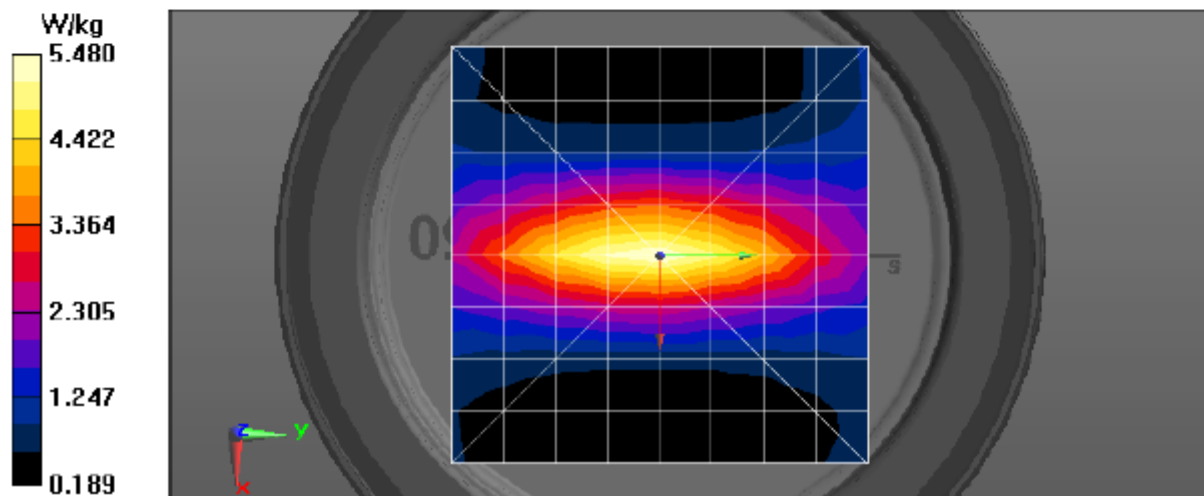
SAR(1 g) = 3.78 W/kg; SAR(10 g) = 2.48 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.56 W/kg

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

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

Maximum value of SAR (measured) = 5.55 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/4/2019 8:01:04 PM

Robot#: DASY5-PG-3 | Run#: LOH-SYSP-150B-191004-18
Dipole Model#: CLA-150
Phantom#: ELI4 1016
Tissue Temp: 20.6 (C)
Serial#: 4005
Test Freq: 150.0000 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.17 dB
Adjusted SAR (1W): 3.71 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.77$ S/m; $\epsilon_r = 59.9$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 150 MHz, ConvF(12.37, 12.37, 12.37) @ 150 MHz
Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 81.45 V/m; Power Drift = -0.01 dB

Fast SAR: SAR(1 g) = 4.34 W/kg; SAR(10 g) = 3.08 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 5.16 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 81.45 V/m; Power Drift = -0.01 dB

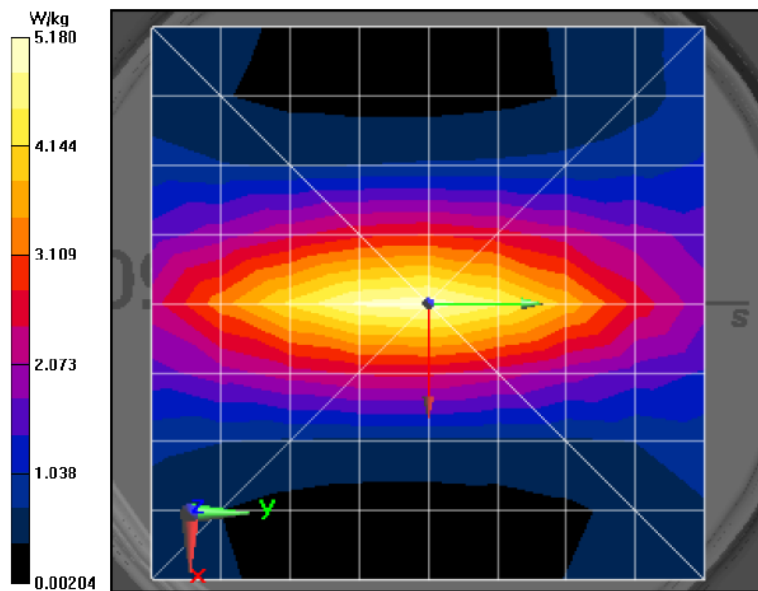
Peak SAR (extrapolated) = 6.37 W/kg

SAR(1 g) = 3.83 W/kg; SAR(10 g) = 2.5 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.28 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurementgrid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm

Maximum value of SAR (measured) = 5.18 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/7/2019 1:07:23 PM

Robot#: DASY5-PG-3 | Run#: LOH-SYSP-150B-191007-03
Dipole Model#: CLA-150
Phantom#: ELI4 1109
Tissue Temp: 21.0 (C)
Serial#: 4005
Test Freq: 150.0000 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.16 dB
Adjusted SAR (1W): 3.89 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.78$ S/m; $\epsilon_r = 59.8$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 150 MHz, ConvF(12.37, 12.37, 12.37) @ 150 MHz
Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

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

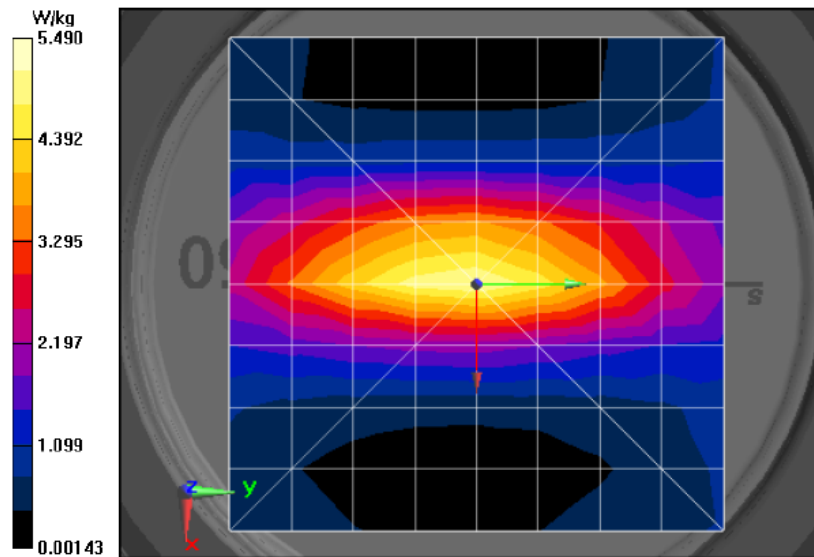
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Reference Value = 83.40 V/m; Power Drift = 0.03 dB
Fast SAR: SAR(1 g) = 4.59 W/kg; SAR(10 g) = 3.26 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.55 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
Reference Value = 83.40 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 6.61 W/kg
SAR(1 g) = 3.89 W/kg; SAR(10 g) = 2.53 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.45 W/kg

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

grid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
Maximum value of SAR (measured) = 5.49 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/3/2019 12:44:46 AM

Robot#: DASY5-PG-3 | Run#: LOH-SYSP-150H-191003-01
 Dipole Model#: CLA-150
 Phantom#: ELI4 1109
 Tissue Temp: 20.8 (C)
 Serial#: 4005
 Test Freq: 150.0000 (MHz)
 Start Power: 1000 (mW)
 Rotation (1D): 0.15 dB
 Adjusted SAR (1W): 3.77 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.75$ S/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 150 MHz, ConvF(12.97, 12.97, 12.97) @ 150 MHz
 Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

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

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

Reference Value = 84.17 V/m; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 4.41 W/kg; SAR(10 g) = 3.12 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 5.31 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

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

Reference Value = 84.17 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 6.47 W/kg

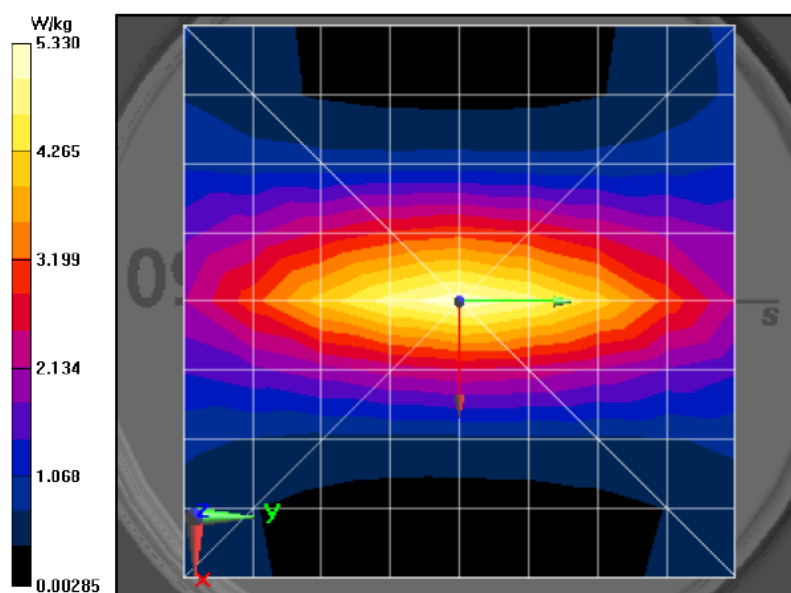
SAR(1 g) = 3.77 W/kg; SAR(10 g) = 2.47 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.33 W/kg

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

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

Maximum value of SAR (measured) = 5.33 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/4/2019 1:14:10 AM

Robot#: DASY5-PG-3 | Run#: LOH-SYSP-150H-191004-01
Dipole Model#: CLA-150
Phantom#: ELI4 1109
Tissue Temp: 20.6 (C)
Serial#: 4005
Test Freq: 150.0000 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.16 dB
Adjusted SAR (1W): 3.78 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.73$ S/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 150 MHz, ConvF(12.97, 12.97, 12.97) @ 150 MHz
Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

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

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

Reference Value = 90.52 V/m; Power Drift = 0.12 dB

Fast SAR: SAR(1 g) = 4.74 W/kg; SAR(10 g) = 3.34 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 5.57 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

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

Reference Value = 90.52 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 6.31 W/kg

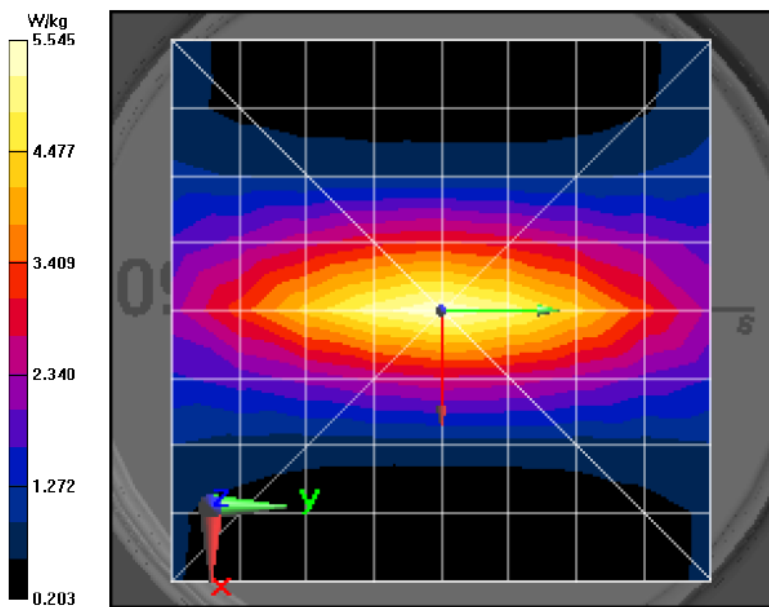
SAR(1 g) = 3.78 W/kg; SAR(10 g) = 2.48 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.20 W/kg

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

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

Maximum value of SAR (measured) = 6.17 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/9/2019 3:48:45 PM

Robot#: DASY5-PG-3 | Run#: LOH-SYSP-2450B-191009-06
 Dipole Model#: D2450V2
 Phantom#: ELI4 1028
 Tissue Temp: 20.6 (C)
 Serial#: 781
 Test Freq: 2450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.17 dB
 Adjusted SAR (1W): 46.40 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 2450$ MHz; $\sigma = 2.04$ S/m; $\epsilon_r = 47.7$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 2450 MHz, ConvF(7.48, 7.48, 7.48) @ 2450 MHz
 Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

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

grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 97.49 V/m; Power Drift = -0.17 dB

Fast SAR: SAR(1 g) = 12 W/kg; SAR(10 g) = 5.55 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 19.2 W/kg

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

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

Reference Value = 97.49 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 24.9 W/kg

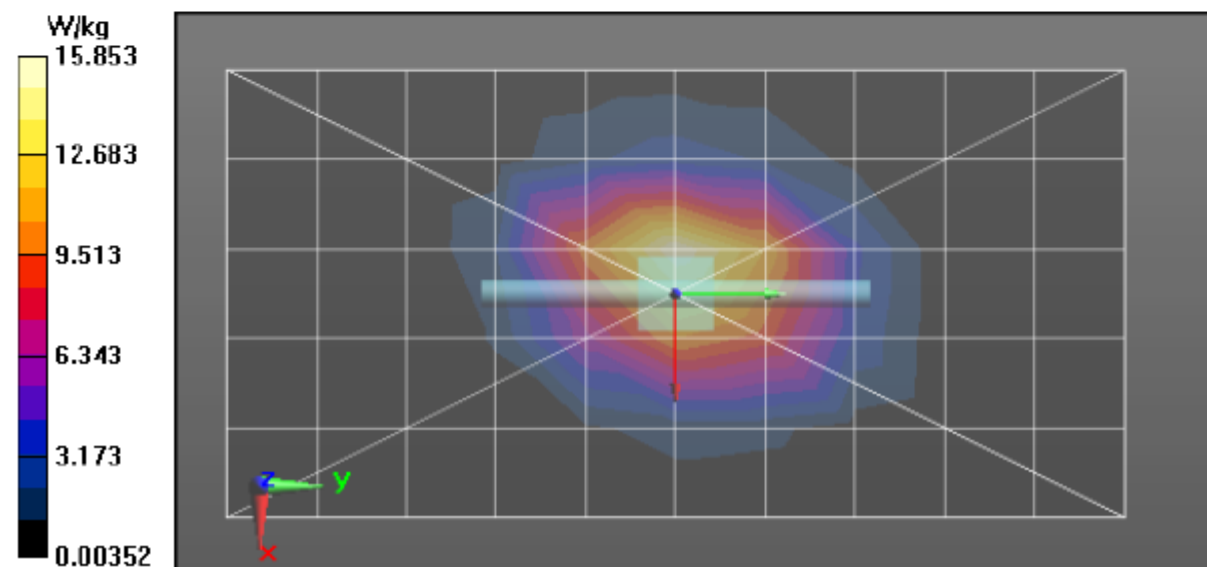
SAR(1 g) = 11.6 W/kg; SAR(10 g) = 5.41 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 18.4 W/kg

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

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

Maximum value of SAR (measured) = 18.6 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/10/2019 4:11:36 PM

Robot#: DASY5-PG-3 | Run#: LOH(NZ)-SYSP-2450B-191010-12
 Dipole Model#: D2450V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.0 (C)
 Serial#: 781
 Test Freq: 2450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.17 dB
 Adjusted SAR (1W): 47.20 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 2450$ MHz; $\sigma = 2.04$ S/m; $\epsilon_r = 47.9$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 2450 MHz, ConvF(7.48, 7.48, 7.48) @ 2450 MHz
 Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

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

grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 98.27 V/m; Power Drift = -0.12 dB

Fast SAR: SAR(1 g) = 12.1 W/kg; SAR(10 g) = 5.59 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 19.4 W/kg

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

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

Reference Value = 98.27 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 25.1 W/kg

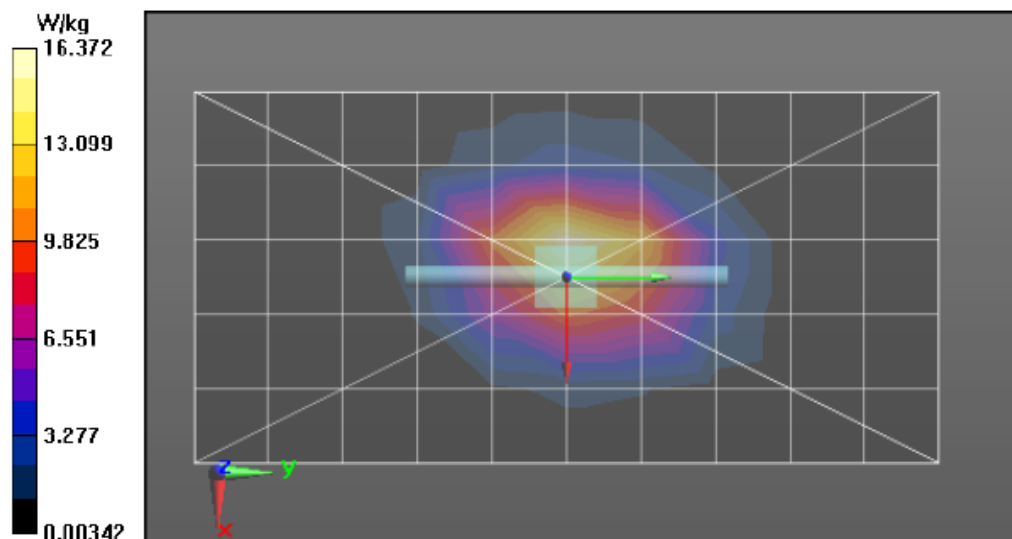
SAR(1 g) = 11.8 W/kg; SAR(10 g) = 5.52 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 18.7 W/kg

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

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

Maximum value of SAR (measured) = 18.9 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/13/2019 12:51:23 AM

Robot#: DASY5-PG-3 | Run#: FD(NZ)-SYSP-2450B-191113-01
 Dipole Model#: D2450V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.6 (C)
 Serial#: 781
 Test Freq: 2450 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.170 dB
 Adjusted SAR (1W): 47.60 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 2450$ MHz; $\sigma = 1.99$ S/m; $\epsilon_r = 47.8$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 2450 MHz, ConvF(7.48, 7.48, 7.48) @ 2450 MHz
 Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

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

grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 99.98 V/m; Power Drift = -0.19 dB

Fast SAR: SAR(1 g) = 12.3 W/kg; SAR(10 g) = 5.7 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 19.7 W/kg

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

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

Reference Value = 99.98 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 25.2 W/kg

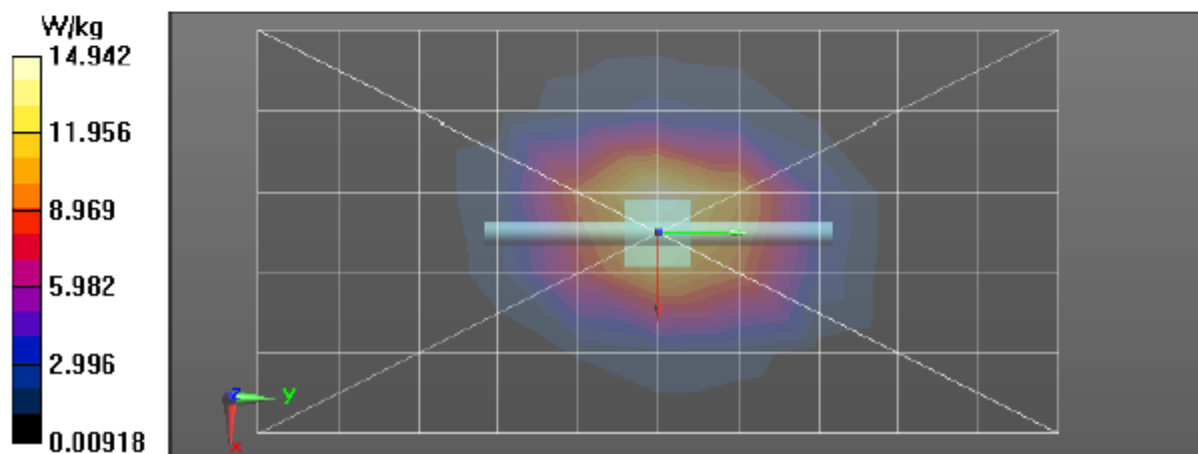
SAR(1 g) = 11.9 W/kg; SAR(10 g) = 5.58 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 18.7 W/kg

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

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

Maximum value of SAR (measured) = 18.9 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/11/2019 8:26:14 PM

Robot#: DASY5-PG-3 | Run#: ZZ-SYSP-2450H-191011-07
 Dipole Model#: D2450V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.5 (C)
 Serial#: 703
 Test Freq: 2450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.17 dB
 Adjusted SAR (1W): 48.80 mW/g (1g)

Comments:

Communication System Band: Dipole 2450, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.89$ S/m; $\epsilon_r = 35.4$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 2450 MHz, ConvF(7.38, 7.38, 7.38) @ 2450 MHz
 Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

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

grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 104.9 V/m; Power Drift = -0.16 dB

Fast SAR: SAR(1 g) = 12.8 W/kg; SAR(10 g) = 6.07 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 20.3 W/kg

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

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

Reference Value = 104.9 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 26.9 W/kg

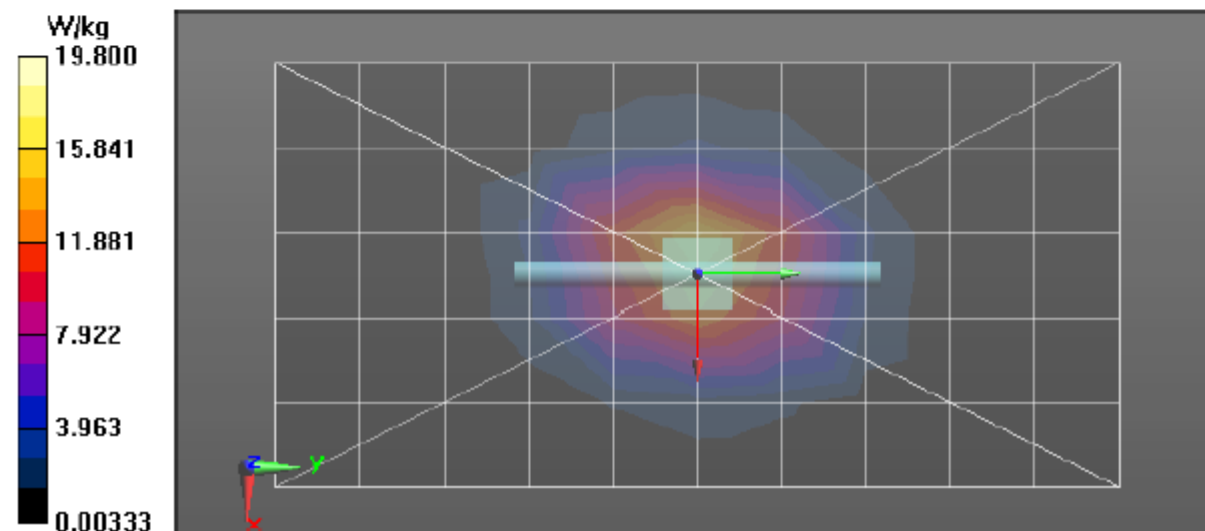
SAR(1 g) = 12.2 W/kg; SAR(10 g) = 5.71 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 19.9 W/kg

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

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

Maximum value of SAR (measured) = 19.8 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/13/2019 4:51:17 AM

Robot#: DASY5-PG-3 | Run#: ZZ-SYSP-2450H-191013-01
 Dipole Model# D2450V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.4 (C)
 Serial#: 703
 Test Freq: 2450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.16 dB
 Adjusted SAR (1W): 48.00 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 2450$ MHz; $\sigma = 1.85$ S/m; $\epsilon_r = 35.9$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 2450 MHz, ConvF(7.38, 7.38, 7.38) @ 2450 MHz
 Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

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

grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 104.0 V/m; Power Drift = 0.01 dB

Fast SAR: SAR(1 g) = 12.6 W/kg; SAR(10 g) = 5.97 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 19.7 W/kg

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

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

Reference Value = 104.0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 26.4 W/kg

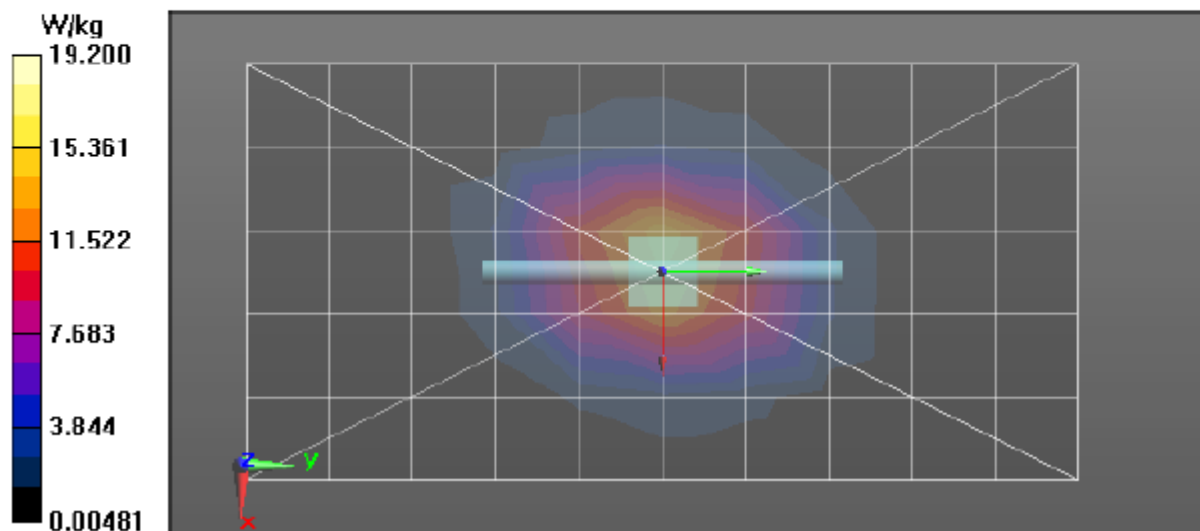
SAR(1 g) = 12 W/kg; SAR(10 g) = 5.56 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 19.3 W/kg

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

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

Maximum value of SAR (measured) = 19.2 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/14/2019 7:50:21 AM

Robot#: DASY5-PG-3 | Run#: ZZ-SYSP-2450H-191014-01
 Dipole Model#: D2450V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.4 (C)
 Serial#: 703
 Test Freq: 2450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.16 dB
 Adjusted SAR (1W): 48.40 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ S/m; $\epsilon_r = 35.3$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 2450 MHz, ConvF(7.38, 7.38, 7.38) @ 2450 MHz
 Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

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

grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 101.9 V/m; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 12.4 W/kg; SAR(10 g) = 5.91 W/kg (SAR corrected for target medium)

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

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

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

Reference Value = 101.9 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 26.9 W/kg

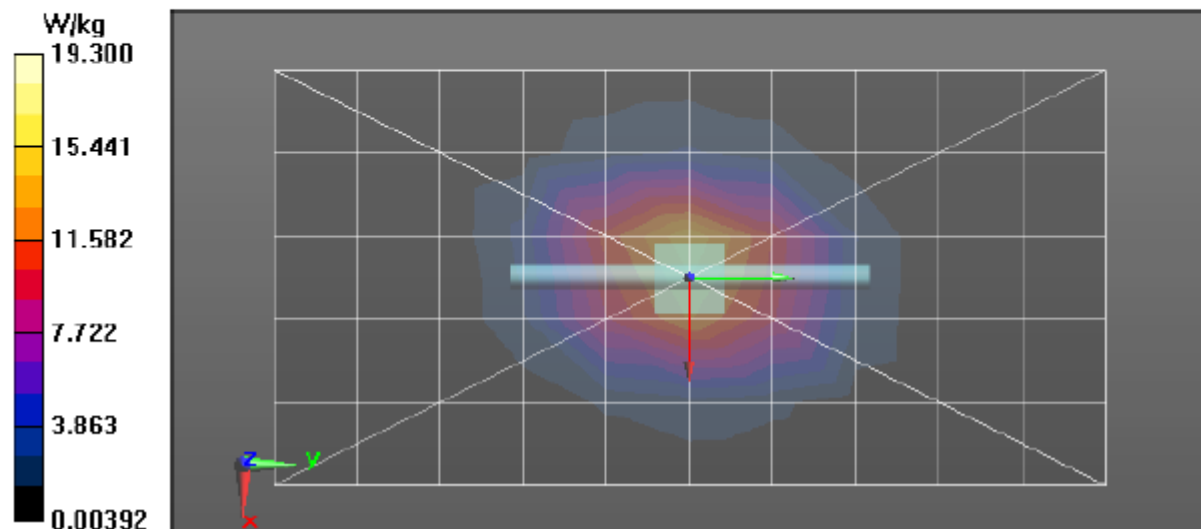
SAR(1 g) = 12.1 W/kg; SAR(10 g) = 5.59 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 19.7 W/kg

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

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

Maximum value of SAR (measured) = 19.3 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/13/2019 7:24:32 AM

Robot#: DASY5-PG-3 | Run#: ZZ-SYSP-2450H-191113-05

Dipole Model#: D2450V2

Phantom#: ELI4 1028

Tissue Temp: 21.7(C)

Serial#: 781

Test Freq: 2450 (MHz)

Start Power: 250 (mW)

Rotation (1D): 0.15 dB

Adjusted SAR (1W): 51.60 mW/g (1g)

Comments:Duty Cycle: 1:1, Medium parameters used: $f = 2450$ MHz; $\sigma = 1.89$ S/m; $\epsilon_r = 35.4$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 2450 MHz, ConvF(7.38, 7.38, 7.38) @ 2450 MHz

Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

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

grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 108.1 V/m; Power Drift = -0.11 dB

Fast SAR: SAR(1 g) = 13.7 W/kg; SAR(10 g) = 6.49 W/kg (SAR corrected for target medium)

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

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

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

Reference Value = 108.1 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 28.8 W/kg

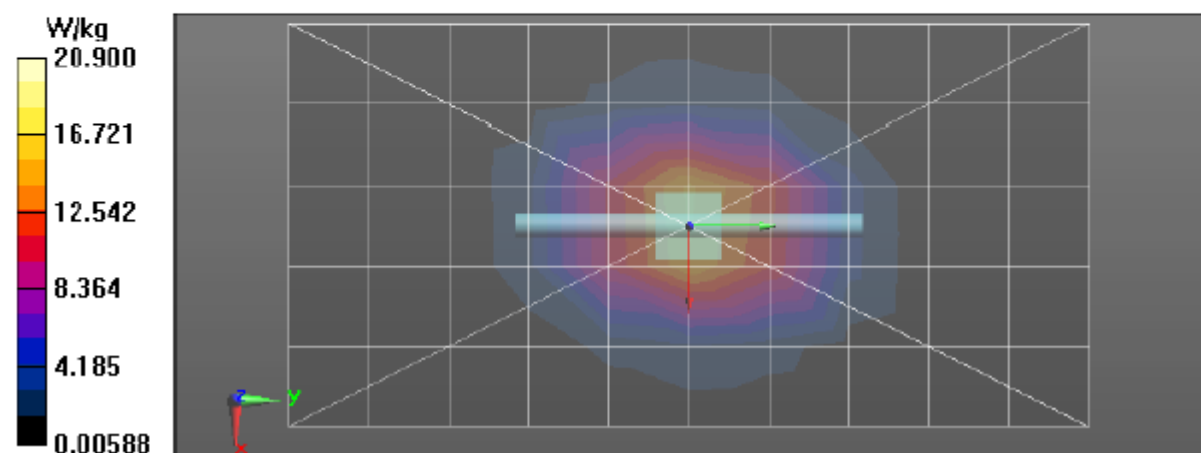
SAR(1 g) = 12.9 W/kg; SAR(10 g) = 5.96 W/kg (SAR corrected for target medium)

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

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

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

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



Appendix E

DUT Scans

Assessment at the Body - Table 18

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/11/2019 4:05:47 PM

Robot#: DASY5-PG-4 | Run#: CK-AB-190911-10
Model#: AAH02JDC9VA1AN (PMUD2629C)
Phantom#: ELI4 1016
Tissue Temp: 21.2 (C)
Serial#: 446TVPB943
Antenna: PMAD4118A
Test Freq: 160.0000 (MHz)
Battery: PMNN4488A
Carry Acc: PMLN7296A
Audio Acc: PMLN5727A
Start Power: 6.00 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 160$ MHz; $\sigma = 0.77$ S/m; $\epsilon_r = 59.7$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7485, Calibrated: 1/23/2019, Frequency: 160 MHz, ConvF(13.55, 13.55, 13.55) @ 160 MHz
Electronics: DAE4 Sn688, Calibrated: 1/10/2019

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (131x251x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 53.81 V/m; Power Drift = -0.25 dB

Fast SAR: SAR(1 g) = 3.02 W/kg; SAR(10 g) = 1.92 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.77 W/kg

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

Reference Value = 53.81 V/m; Power Drift = -0.23 dB

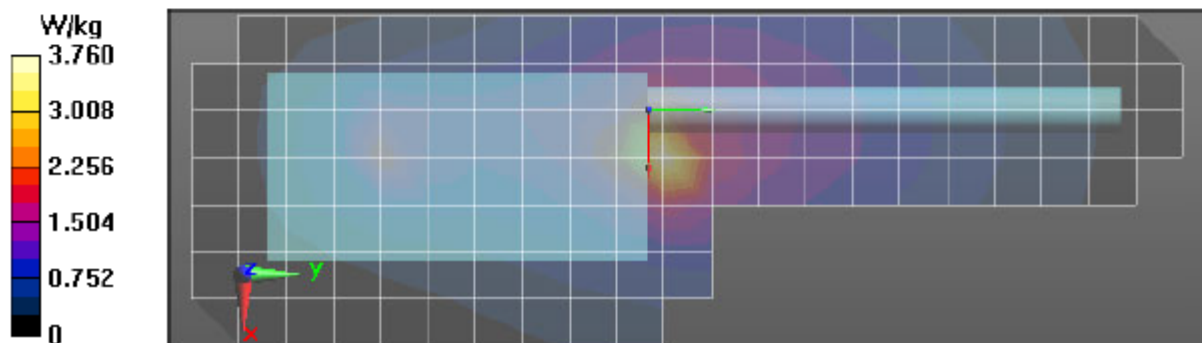
Peak SAR (extrapolated) = 5.90 W/kg

SAR(1 g) = 2.68 W/kg; SAR(10 g) = 1.57 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.73 W/kg

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

Maximum value of SAR (measured) = 3.81 W/kg



Assessment at the Body - Table 19

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/12/2019 10:41:39 PM

Robot#: DASY5-PG-4 | Run#: AN-AB-190912-22
Model#: AAH02JDC9VA1AN (PMUD2629C)
Phantom#: ELI4 1016
Tissue Temp: 21.0 (C)
Serial#: 446TVPB943
Antenna: PMAD4118A
Test Freq: 160.0000 (MHz)
Battery: PMNN4544A
Carry Acc: PMLN4651A
Audio Acc: PMLN5727A
Start Power: 5.98 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 160$ MHz; $\sigma = 0.78$ S/m; $\epsilon_r = 59.6$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7485, Calibrated: 1/23/2019, Frequency: 160 MHz, ConvF(13.55, 13.55, 13.55) @ 160 MHz
Electronics: DAE4 Sn688, Calibrated: 1/10/2019

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (131x211x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 52.81 V/m; Power Drift = -0.33 dB

Fast SAR: SAR(1 g) = 3.14 W/kg; SAR(10 g) = 2.04 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.92 W/kg

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

Reference Value = 52.81 V/m; Power Drift = -1.08 dB

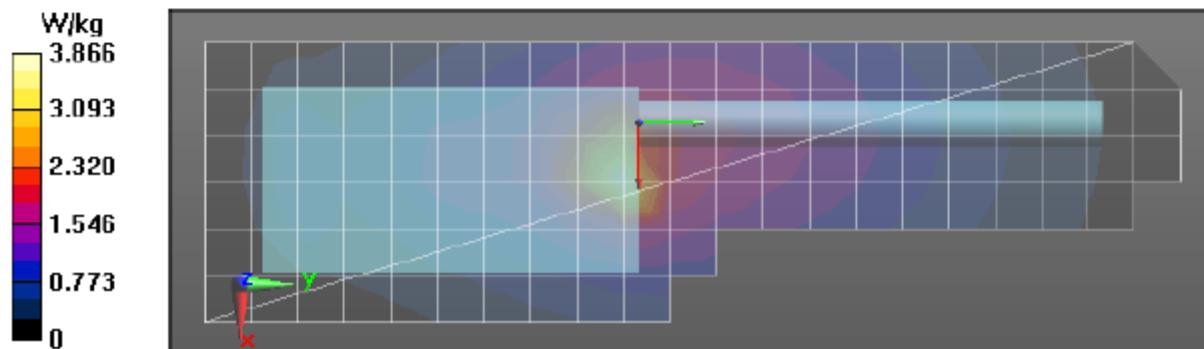
Peak SAR (extrapolated) = 5.85 W/kg

SAR(1 g) = 2.7 W/kg; SAR(10 g) = 1.57 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.86 W/kg

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

Maximum value of SAR (measured) = 3.35 W/kg



Assessment at the Body – Table 20

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/13/2019 9:34:34 AM

Robot#: DASY5-PG-4 | Run#: CK-AB-190913-10
Model#: AAH02JDC9VA1AN (PMUD2629C)
Phantom#: ELI4 1016
Tissue Temp: 21.8 (C)
Serial#: 446TVPB943
Antenna: PMAD4118A
Test Freq: 160.0000 (MHz)
Battery: PMNN4406BR
Carry Acc: PMLN7008A
Audio Acc: PMLN5727A
Start Power: 6.00 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 160$ MHz; $\sigma = 0.78$ S/m; $\epsilon_r = 59.3$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7485, Calibrated: 1/23/2019, Frequency: 160 MHz, ConvF(13.55, 13.55, 13.55) @ 160 MHz
Electronics: DAE4 Sn688, Calibrated: 1/10/2019

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (131x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 57.86 V/m; Power Drift = -0.32 dB

Fast SAR: SAR(1 g) = 3.11 W/kg; SAR(10 g) = 2.17 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.72 W/kg

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

Reference Value = 57.86 V/m; Power Drift = -0.33 dB

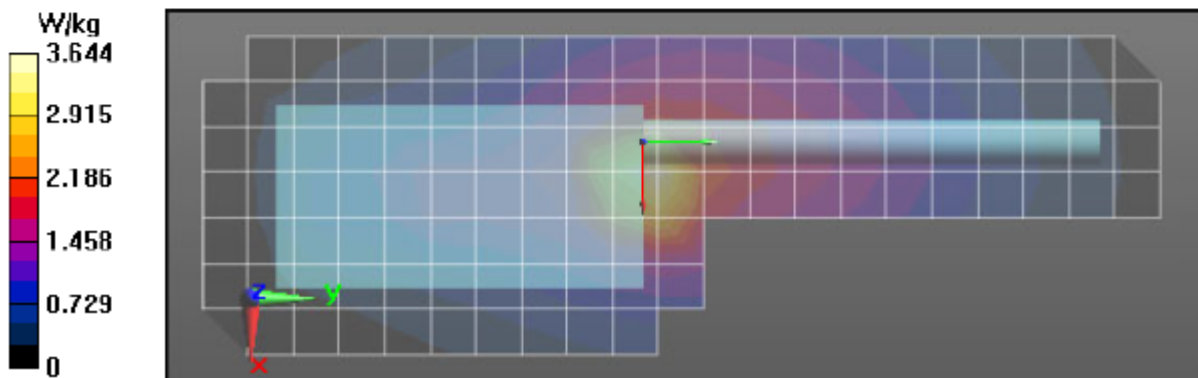
Peak SAR (extrapolated) = 6.58 W/kg

SAR(1 g) = 3.06 W/kg; SAR(10 g) = 1.83 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.30 W/kg

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

Maximum value of SAR (measured) = 4.41 W/kg



Assessment at the Body - Table 21
Motorola Solutions, Inc. EME Laboratory
 Date/Time: 9/20/2019 10:43:50 AM

Robot#: DASY5-PG-3 | Run#: ZZ-AB-190920-09
 Model#: AAH02JDC9VA1AN (PMUD2629C)
 Phantom#: ELI4 1016
 Tissue Temp: 20.9 (C)
 Serial#: 446TVPB943
 Antenna: PMAD4118A
 Test Freq: 160.0000 (MHz)
 Battery: PMNN4463A
 Carry Acc: PMLN5870A w/ NTN5243A
 Audio Acc: PMLN5727A
 Start Power: 5.95 (W)

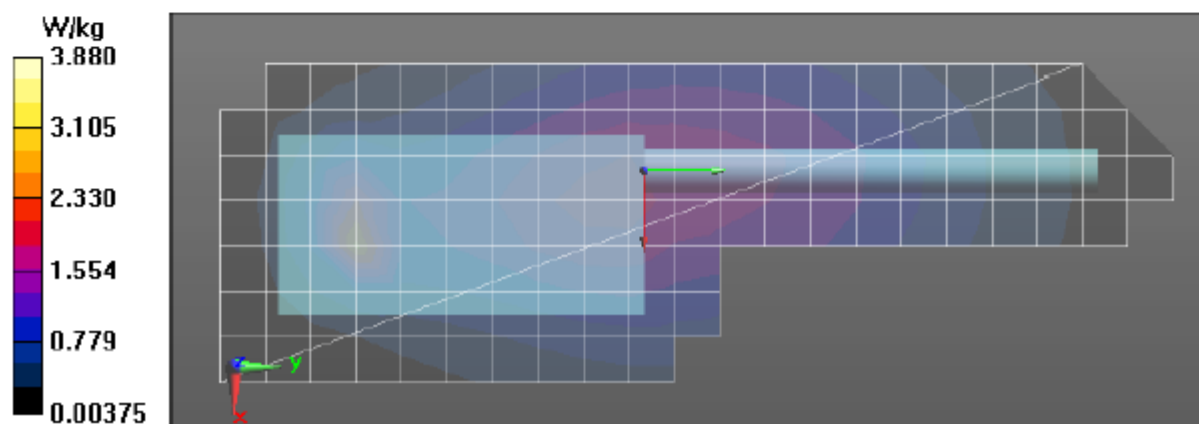
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 160$ MHz; $\sigma = 0.77$ S/m; $\epsilon_r = 59.1$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 160 MHz, ConvF(12.37, 12.37, 12.37) @ 160 MHz
 Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x221x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 49.20 V/m; Power Drift = -0.97 dB
 Fast SAR: SAR(1 g) = 1.95 W/kg; SAR(10 g) = 1.22 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 2.51 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (13x10x7)/Cube 0: Measurement grid: $dx=3.5$ mm, $dy=3.5$ mm, $dz=1.4$ mm
 Reference Value = 49.20 V/m; Power Drift = -1.02 dB
 Peak SAR (extrapolated) = 12.5 W/kg
 SAR(1 g) = 1.78 W/kg; SAR(10 g) = 0.818 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 3.61 W/kg

Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 Maximum value of SAR (measured) = 3.88 W/kg



Assessment at the Body - Table 22

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/25/2019 9:37:05 AM

Robot#: DASY5-PG-3 | Run#: LOH(NZ)-AB-190925-09#
Model#: AAH02JDC9VA1AN (PMUD2629C)
Phantom#: ELI4 1016
Tissue Temp: 20.9 (C)
Serial#: 446TVPB943
Antenna: PMAD4118A
Test Freq: 160.0000 (MHz)
Battery: PMNN4525A
Carry Acc: PMLN5864A w/ NTN5243A
Audio Acc: PMLN5727A
Start Power: 6.00 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 160$ MHz; $\sigma = 0.84$ S/m; $\epsilon_r = 59.1$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 160 MHz, ConvF(12.37, 12.37, 12.37) @ 160 MHz
Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 44.55 V/m; Power Drift = -0.49 dB

Fast SAR: SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.66 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.05 W/kg

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

Reference Value = 44.55 V/m; Power Drift = -0.52 dB

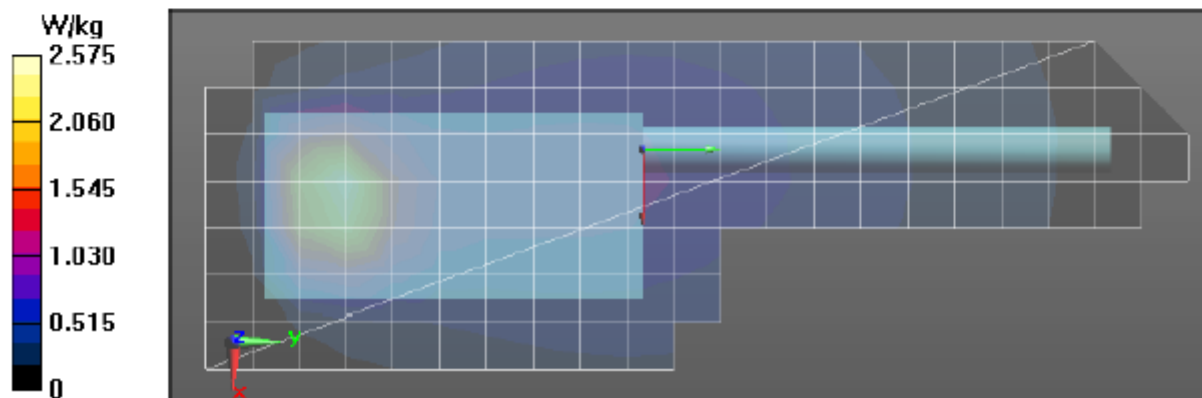
Peak SAR (extrapolated) = 3.80 W/kg

SAR(1 g) = 1.75 W/kg; SAR(10 g) = 1.02 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.66 W/kg

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

Maximum value of SAR (measured) = 2.67 W/kg



Assessment at the Body - Table 23

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/25/2019 8:50:09 PM

Robot#: DASY5-PG-3 | Run#: ZZ-AB-190925-22
 Model#: AAH02JDC9VA1AN (PMUD2629C)
 Phantom#: ELI4 1016
 Tissue Temp: 20.4 (C)
 Serial#: 446TVPB943
 Antenna: PMAD4118A
 Test Freq: 160.0000 (MHz)
 Battery: PMNN4418BR
 Carry Acc: PMLN5866A w/ NTN5243A
 Audio Acc: PMLN5727A
 Start Power: 5.80 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 160$ MHz; $\sigma = 0.83$ S/m; $\epsilon_r = 59.6$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 160 MHz, ConvF(12.37, 12.37, 12.37) @ 160 MHz
 Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 48.87 V/m; Power Drift = -0.59 dB

Fast SAR: SAR(1 g) = 2.1 W/kg; SAR(10 g) = 1.39 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.72 W/kg

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

Reference Value = 48.87 V/m; Power Drift = -0.54 dB

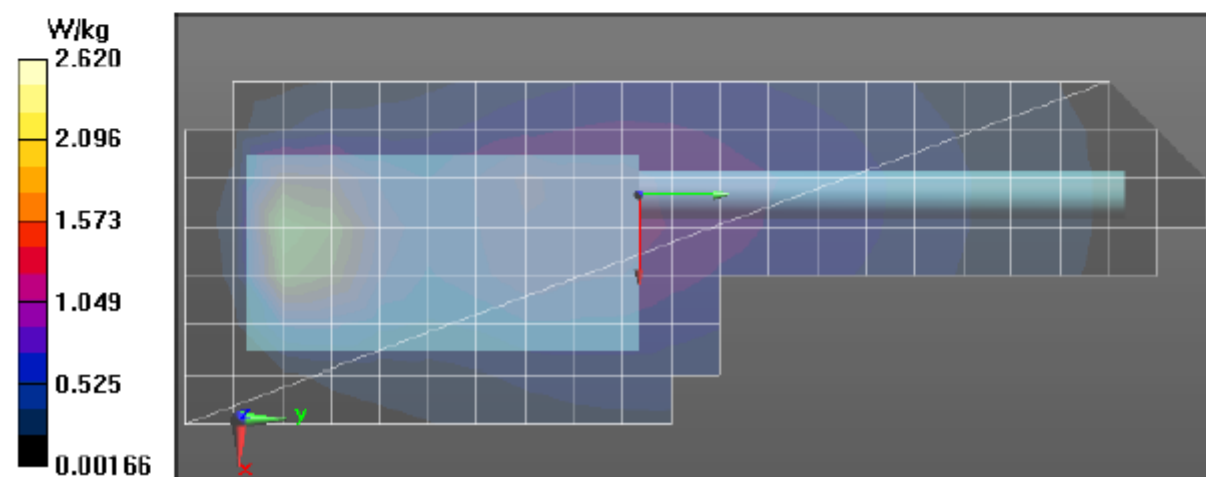
Peak SAR (extrapolated) = 4.14 W/kg

SAR(1 g) = 1.7 W/kg; SAR(10 g) = 0.907 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.66 W/kg

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

Maximum value of SAR (measured) = 2.62 W/kg



Assessment at the Body - Table 24

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/26/2019 8:19:46 PM

Robot#: DASY5-PG-3 | Run#: ZZ-AB-190926-18
 Model#: AAH02JDC9VA1AN (PMUD2629C)
 Phantom#: ELI4 1016
 Tissue Temp: 20.9 (C)
 Serial#: 446TVPB943
 Antenna: PMAD4118A
 Test Freq: 160.0000 (MHz)
 Battery: PMNN4406BR
 Carry Acc: HLN6602A
 Audio Acc: PMLN5727A
 Start Power: 5.89 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 160$ MHz; $\sigma = 0.81$ S/m; $\epsilon_r = 59.7$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 160 MHz, ConvF(12.37, 12.37, 12.37) @ 160 MHz
 Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 61.79 V/m; Power Drift = -0.31 dB

Fast SAR: SAR(1 g) = 2.86 W/kg; SAR(10 g) = 2.16 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.33 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 61.79 V/m; Power Drift = -0.36 dB

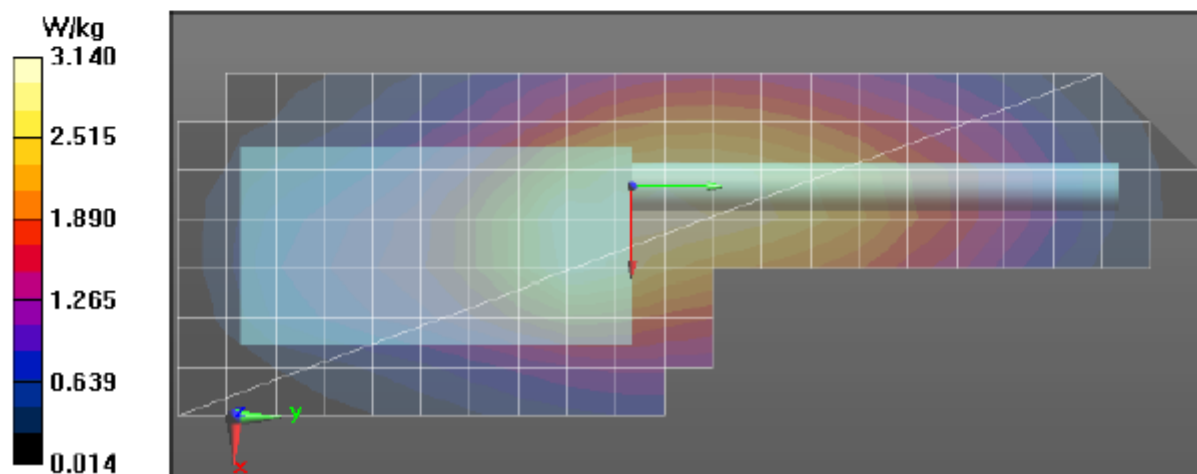
Peak SAR (extrapolated) = 3.75 W/kg

SAR(1 g) = 2.63 W/kg; SAR(10 g) = 1.98 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.14 W/kg

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

Maximum value of SAR (measured) = 3.14 W/kg



Assessment at the Body - Table 25

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/27/2019 3:50:14 PM

Robot#: DASY5-PG-3 | Run#: LOH-AB-190927-12
 Model#: AAH02JDC9VA1AN (PMUD2629C)
 Phantom#: ELI4 1016
 Tissue Temp: 20.7 (C)
 Serial#: 446TVPB943
 Antenna: PMAD4118A
 Test Freq: 160.0000 (MHz)
 Battery: PMNN4491B
 Carry Acc: RLN4570A
 Audio Acc: PMLN5727A
 Start Power: 5.87 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 160$ MHz; $\sigma = 0.78$ S/m; $\epsilon_r = 59.6$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 160 MHz, ConvF(12.37, 12.37, 12.37) @ 160 MHz
 Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 61.49 V/m; Power Drift = -0.15 dB

Fast SAR: SAR(1 g) = 2.74 W/kg; SAR(10 g) = 2.09 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.13 W/kg

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

Reference Value = 61.49 V/m; Power Drift = -0.19 dB

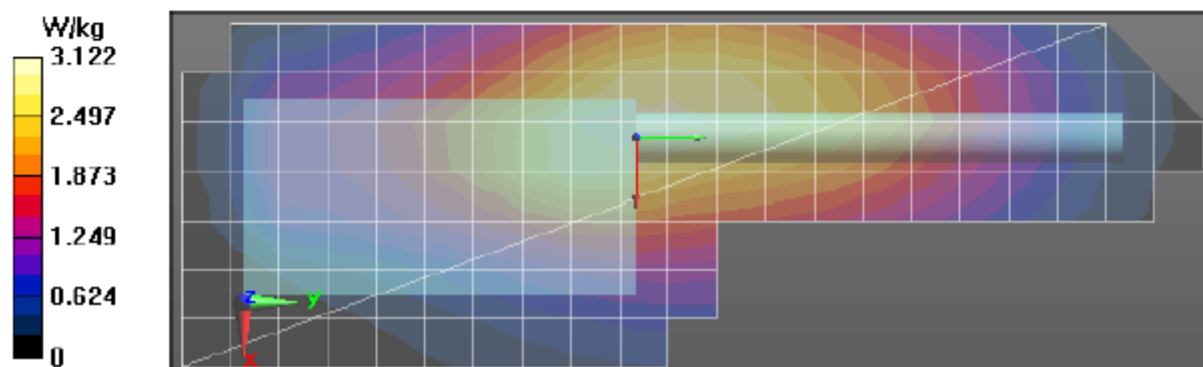
Peak SAR (extrapolated) = 3.58 W/kg

SAR(1 g) = 2.62 W/kg; SAR(10 g) = 2 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.06 W/kg

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

Maximum value of SAR (measured) = 3.08 W/kg



Assessment at the Body - Table 26

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/30/2019 10:54:32 PM

Robot#: DASY5-PG-3 | Run#: LOH-AB-190930-16
Model#: AAH02JDC9VA1AN (PMUD2629C)
Phantom#: ELI4 1016
Tissue Temp: 21.7 (C)
Serial#: 446TVPB943
Antenna: PMAD4118A
Test Freq: 160.0000 (MHz)
Battery: PMNN4415A
Carry Acc: RLN4815A
Audio Acc: PMLN5727A
Start Power: 5.72 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 160$ MHz; $\sigma = 0.83$ S/m; $\epsilon_r = 59$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 160 MHz, ConvF(12.37, 12.37, 12.37) @ 160 MHz
Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 40.37 V/m; Power Drift = -0.30 dB

Fast SAR: SAR(1 g) = 1.54 W/kg; SAR(10 g) = 0.973 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.18 W/kg

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

Reference Value = 40.37 V/m; Power Drift = -0.32 dB

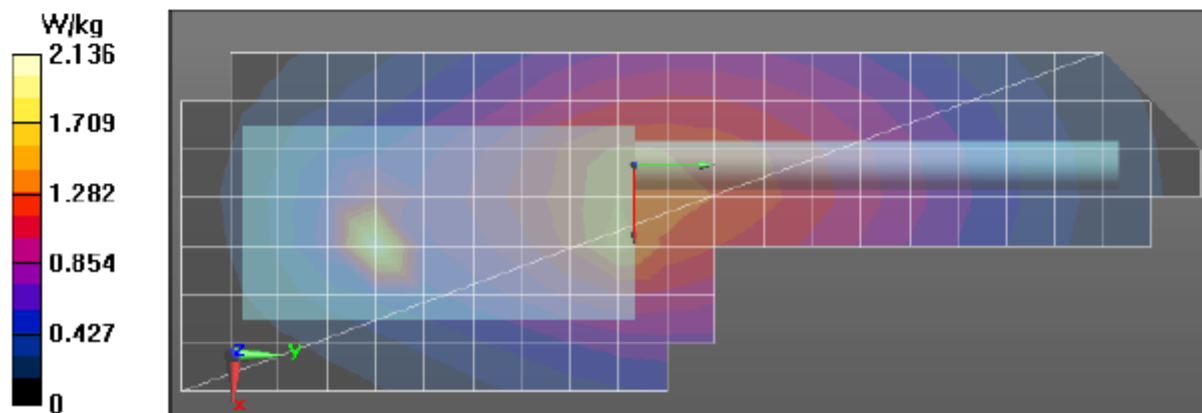
Peak SAR (extrapolated) = 5.63 W/kg

SAR(1 g) = 1.53 W/kg; SAR(10 g) = 0.660 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.40 W/kg

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

Maximum value of SAR (measured) = 1.88 W/kg



Assessment at the Body - Table 27

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/2/2019 4:08:07 AM

Robot#: DASY5-PG-3 | Run#: LOH-AB-191002-05#
Model#: AAH02JDC9VA1AN (PMUD2629C)
Phantom#: ELI4 1016
Tissue Temp: 20.8 (C)
Serial#: 446TVPB943
Antenna: PMAD4118A
Test Freq: 160.0000 (MHz)
Battery: PMNN4493A
Carry Acc: PMLN5870A w/ RLN6487A w/ RLN6488A
Audio Acc: PMLN5727A
Start Power: 5.85 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 160$ MHz; $\sigma = 0.78$ S/m; $\epsilon_r = 58.9$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 160 MHz, ConvF(12.37, 12.37, 12.37) @ 160 MHz
Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 40.44 V/m; Power Drift = -0.88 dB

Fast SAR: SAR(1 g) = 2.59 W/kg; SAR(10 g) = 1.38 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.73 W/kg

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

Reference Value = 40.44 V/m; Power Drift = -0.82 dB

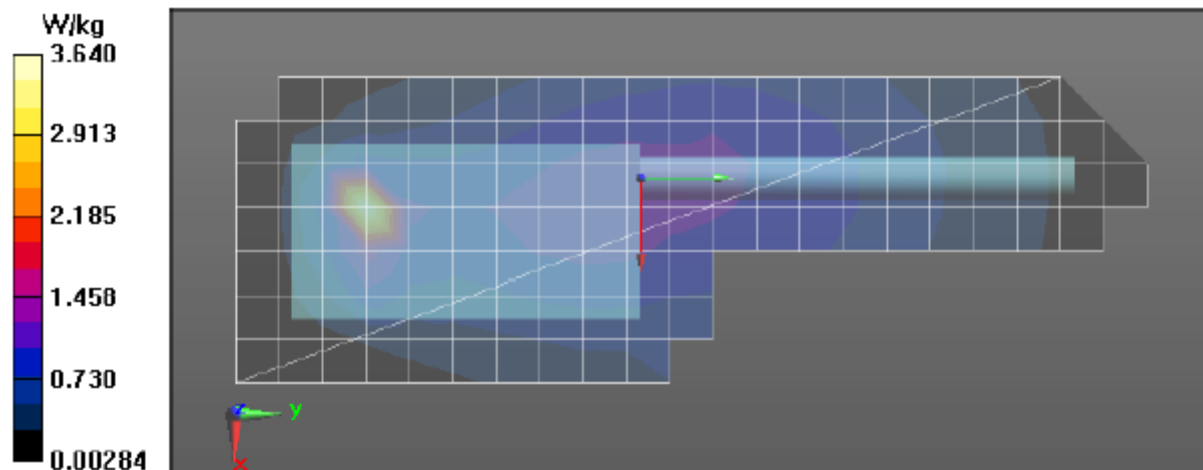
Peak SAR (extrapolated) = 4.55 W/kg

SAR(1 g) = 1.62 W/kg; SAR(10 g) = 0.796 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.90 W/kg

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

Maximum value of SAR (measured) = 3.64 W/kg



Assessment wireless BT configuration at the Body - Table 28

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/2/2019 7:16:14 AM

Robot#: DASY5-PG-3 | Run#: ZZ-AB-191002-08#
 Model#: AAH02JDC9VA1AN (PMUD2629C)
 Phantom#: ELI4 1016
 Tissue Temp: 20.7 (C)
 Serial#: 446TVPB943
 Antenna: PMAD4118A
 Test Freq: 160.0000 (MHz)
 Battery: PMNN4544A
 Carry Acc: PMLN4651A
 Audio Acc: None(BT)
 Start Power: 5.92 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 160$ MHz; $\sigma = 0.78$ S/m; $\epsilon_r = 58.9$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 160 MHz, ConvF(12.37, 12.37, 12.37) @ 160 MHz
 Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 49.37 V/m; Power Drift = -1.57 dB

Fast SAR: SAR(1 g) = 3.09 W/kg; SAR(10 g) = 2 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.86 W/kg

Below 2 GHz-Rev.2/Ab Scan/2-Volume 2D Scan (5x5x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 49.37 V/m; Power Drift = -1.65 dB

Maximum value of SAR (measured) = 3.00 W/kg

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

Reference Value = 74.50 V/m; Power Drift = -0.42 dB

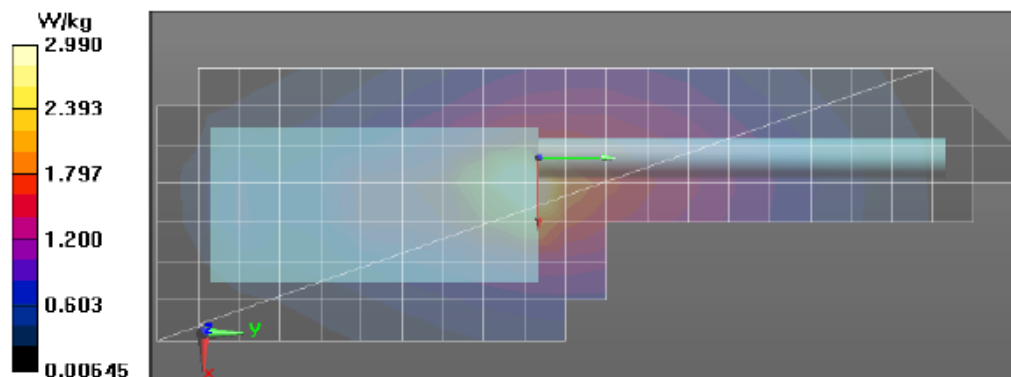
Peak SAR (extrapolated) = 6.44 W/kg

SAR(1 g) = 2.97 W/kg; SAR(10 g) = 1.76 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.13 W/kg

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

Maximum value of SAR (measured) = 2.99 W/kg



Assessment at the Body WiFi Configuration - Table 30

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/9/2019 7:43:02 PM

Robot#: DASY5-PG-3 | Run#: ZZ-AB-191009-09
 Model#: AAH02JDC9VA1AN (PMUD2629C)
 Phantom#: ELI4 1028
 Tissue Temp: 20.5 (C)
 Serial#: 446TVPB943
 Antenna: 85012026001 WiFi Ant
 Test Freq: 2412.0000 (MHz)
 Battery: PMNN4491B
 Carry Acc: HLN6602A
 Audio Acc: None
 Start Power: 0.0566 (W)

Comments:

Communication System Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz), Communication System UID: 10415 - AAA, Duty Cycle: 1:1.42561,

Medium parameters used: $f = 2412$ MHz; $\sigma = 2$ S/m; $\epsilon_r = 47.9$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 2412 MHz, ConvF(7.48, 7.48, 7.48) @ 2412 MHz
 Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

2-3 GHz-Rev.2/Ab Scan/1-Area Scan (81x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 6.238 V/m; Power Drift = -0.07 dB

Fast SAR: SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.030 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0805 W/kg

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

Reference Value = 6.238 V/m; Power Drift = -0.26 dB

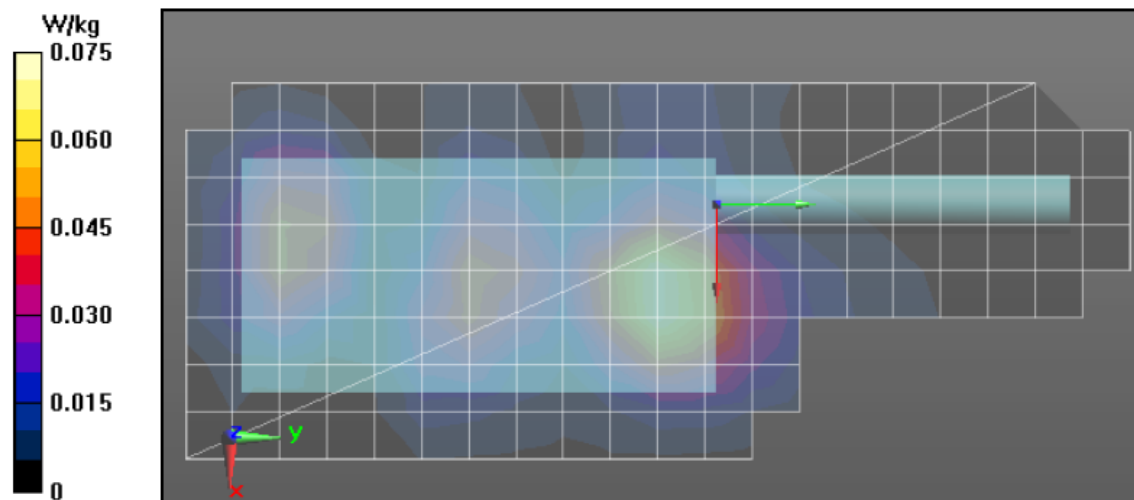
Peak SAR (extrapolated) = 0.0990 W/kg

SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.030 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0776 W/kg

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

Maximum value of SAR (measured) = 0.0754 W/kg



Assessment at the Face - Table 32

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/3/2019 10:04:06 AM

Robot#: DASY5-PG-3 | Run#: ZZ-FACE-191003-11
 Model#: AAH02JDC9VA1AN (PMUD2629C)
 Phantom#: ELI4 1109
 Tissue Temp: 20.4 (C)
 Serial#: 446TVPB943
 Antenna: PMAD4116A
 Test Freq: 160.0000 (MHz)
 Battery: PMNN4406BR
 Carry Acc: @ front
 Audio Acc: N/A
 Start Power: 5.84 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 160$ MHz; $\sigma = 0.75$ S/m; $\epsilon_r = 51.2$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 160 MHz, ConvF(12.97, 12.97, 12.97) @ 160 MHz
 Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

Below 2 GHz-Rev.2/Face Scan/1-Area Scan (71x201x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 60.06 V/m; Power Drift = -0.78 dB

Fast SAR: SAR(1 g) = 2.38 W/kg; SAR(10 g) = 1.83 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.72 W/kg

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

Reference Value = 60.06 V/m; Power Drift = -0.77 dB

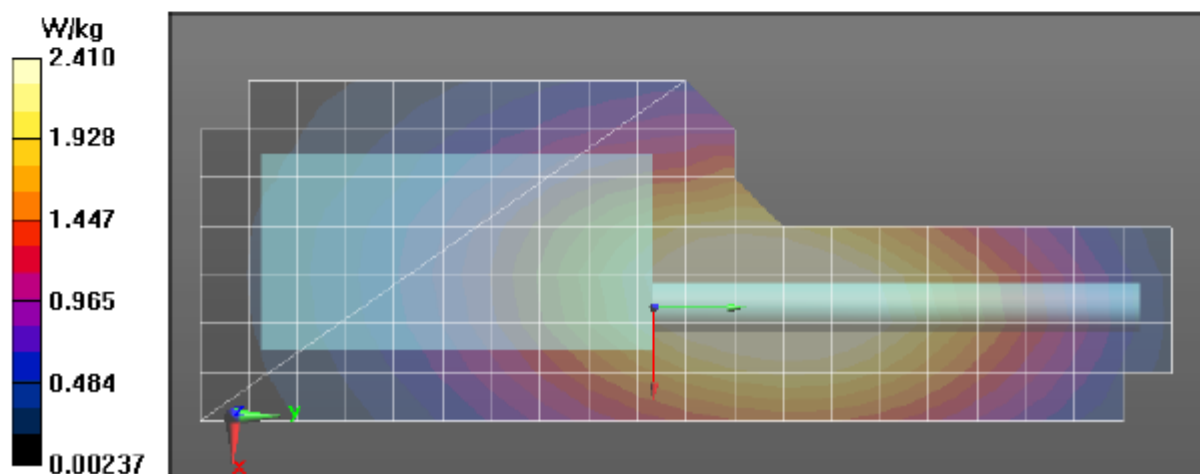
Peak SAR (extrapolated) = 2.74 W/kg

SAR(1 g) = 2.02 W/kg; SAR(10 g) = 1.55 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.37 W/kg

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

Maximum value of SAR (measured) = 2.41 W/kg



Assessment at the Face WiFi Configuration - Table 34

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/13/2019 10:36:24 AM

Robot#: DASY5-PG-3 | Run#: ZZ-FACE-191013-06
 Model#: AAH02JDC9VA1AN (PMUD2629C)
 Phantom#: ELI4 1028
 Tissue Temp: 21.1 (C)
 Serial#: 446TVPB943
 Antenna: 85012026001 WiFi Ant
 Test Freq: 2412.0000 (MHz)
 Battery: PMNN4407BR
 Carry Acc: None
 Audio Acc: None
 Start Power: 0.0554 (W)

Comments:

Communication System Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz), Communication System UID: 10415 - AAA, Duty Cycle: 1:1.42561,

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.81$ S/m; $\epsilon_r = 36$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 2412 MHz, ConvF(7.38, 7.38, 7.38) @ 2412 MHz

Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

2-3 GHz-Rev.2/Face Scan/1-Area Scan (81x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 6.014 V/m; Power Drift = -0.07 dB

Fast SAR: SAR(1 g) = 0.045 W/kg; SAR(10 g) = 0.027 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0618 W/kg

2-3 GHz-Rev.2/Face Scan/3-Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.014 V/m; Power Drift = -0.15 dB

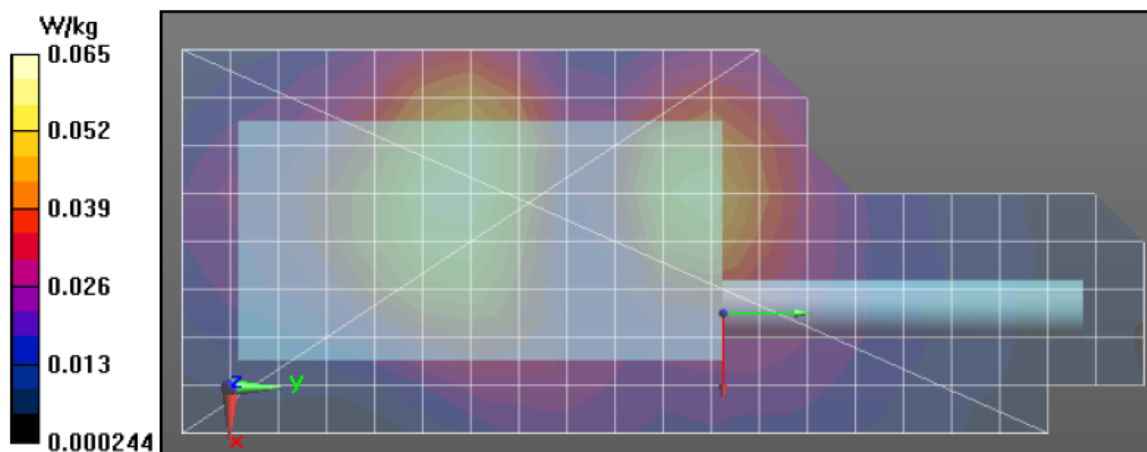
Peak SAR (extrapolated) = 0.0850 W/kg

SAR(1 g) = 0.048 W/kg; SAR(10 g) = 0.028 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0658 W/kg

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

Maximum value of SAR (measured) = 0.0650 W/kg



Assessments at the Body for ISED, Canada - Table 36

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/12/2019 10:41:39 PM

Robot#: DASY5-PG-4 | Run#: AN-AB-190912-22
 Model#: AAH02JDC9VA1AN (PMUD2629C)
 Phantom#: ELI4 1016
 Tissue Temp: 21.0 (C)
 Serial#: 446TVPB943
 Antenna: PMAD4118A
 Test Freq: 160.0000 (MHz)
 Battery: PMNN4544A
 Carry Acc: PMLN4651A
 Audio Acc: PMLN5727A
 Start Power: 5.98 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 160$ MHz; $\sigma = 0.78$ S/m; $\epsilon_r = 59.6$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 1/23/2019, Frequency: 160 MHz, ConvF(13.55, 13.55, 13.55) @ 160 MHz
 Electronics: DAE4 Sn688, Calibrated: 1/10/2019

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (131x211x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 52.81 V/m; Power Drift = -0.33 dB

Fast SAR: SAR(1 g) = 3.14 W/kg; SAR(10 g) = 2.04 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.92 W/kg

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

Reference Value = 52.81 V/m; Power Drift = -1.08 dB

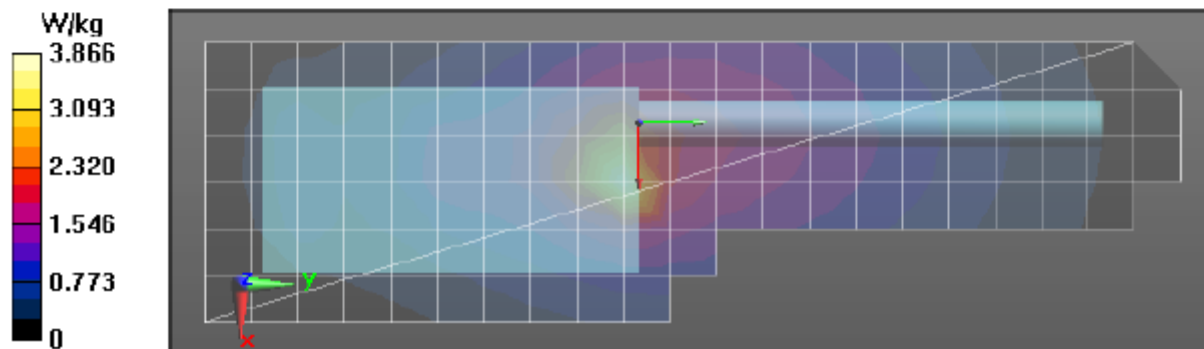
Peak SAR (extrapolated) = 5.85 W/kg

SAR(1 g) = 2.7 W/kg; SAR(10 g) = 1.57 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.86 W/kg

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

Maximum value of SAR (measured) = 3.35 W/kg



Assessments at the Body WiFi configuration for ISED, Canada - Table 36

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/9/2019 7:43:02 PM

Robot#: DASY5-PG-3 | Run#: ZZ-AB-191009-09
Model#: AAH02JDC9VA1AN (PMUD2629C)
Phantom#: ELI4 1028
Tissue Temp: 20.5 (C)
Serial#: 446TVPB943
Antenna: 85012026001 WiFi Ant
Test Freq: 2412.0000 (MHz)
Battery: PMNN4491B
Carry Acc: HLN6602A
Audio Acc: None
Start Power: 0.0566 (W)

Comments:

Communication System Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz), Communication System UID: 10415 - AAA, Duty Cycle: 1:1.42561,

Medium parameters used: $f = 2412$ MHz; $\sigma = 2$ S/m; $\epsilon_r = 47.9$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 2412 MHz, ConvF(7.48, 7.48, 7.48) @ 2412 MHz

Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

2-3 GHz-Rev.2/Ab Scan/1-Area Scan (81x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 6.238 V/m; Power Drift = -0.07 dB

Fast SAR: SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.030 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0805 W/kg

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

Reference Value = 6.238 V/m; Power Drift = -0.26 dB

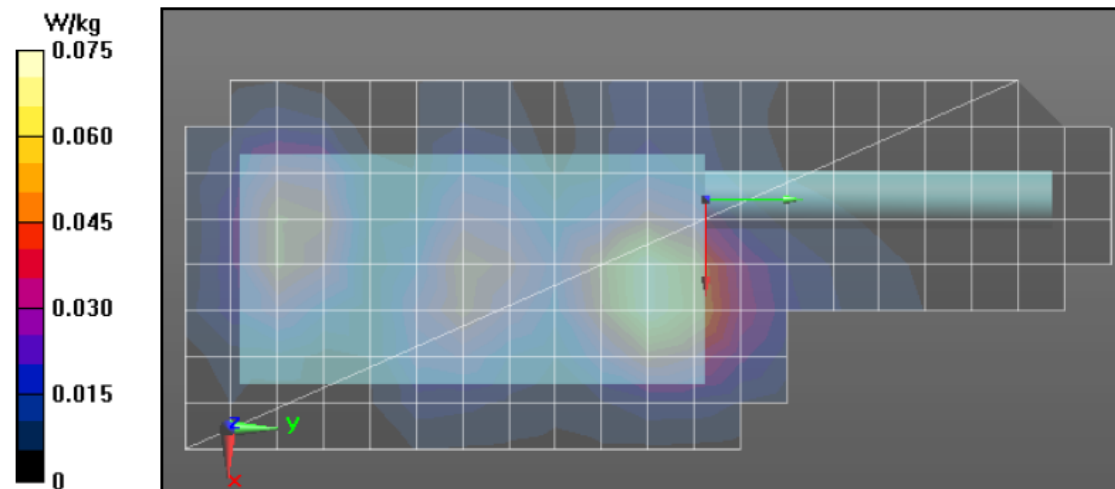
Peak SAR (extrapolated) = 0.0990 W/kg

SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.030 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0776 W/kg

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

Maximum value of SAR (measured) = 0.0754 W/kg



Assessments at the Face for ISED Canada - Table 37

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/4/2019 10:26:48 AM

Robot#: DASY5-PG-3 | Run#: ZZ(NZ)-FACE-191004-09
 Model#: AAH02JDC9VA1AN (PMUD2629C)
 Phantom#: ELI4 1109
 Tissue Temp: 20.6 (C)
 Serial#: 446TVPB943
 Antenna: PMAD4116A
 Test Freq: 150.8000 (MHz)
 Battery: PMNN4406BR
 Carry Acc: @ front
 Audio Acc: N/A
 Start Power: 5.76 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 151$ MHz; $\sigma = 0.73$ S/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 150.8 MHz, ConvF(12.97, 12.97, 12.97) @ 150.8 MHz
 Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

Below 2 GHz-Rev.2/Face Scan/1-Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 49.85 V/m; Power Drift = -0.36 dB

Fast SAR: SAR(1 g) = 1.6 W/kg; SAR(10 g) = 1.23 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.78 W/kg

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

Reference Value = 49.85 V/m; Power Drift = -0.46 dB

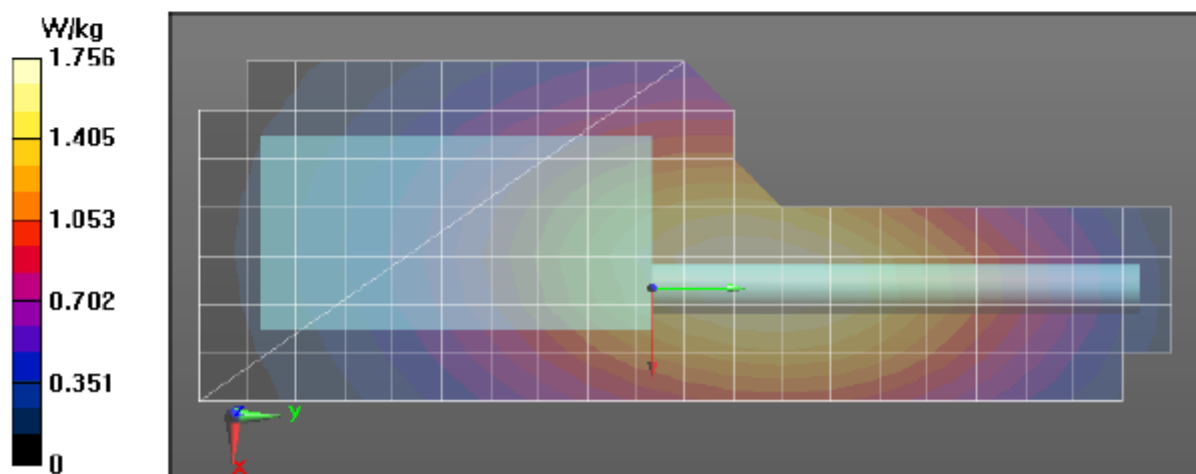
Peak SAR (extrapolated) = 1.96 W/kg

SAR(1 g) = 1.51 W/kg; SAR(10 g) = 1.17 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.71 W/kg

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

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



Assessments at the Face WiFi configuration for ISED, Canada - Table 37

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/13/2019 8:22:46 AM

Robot#: DASY5-PG-3 | Run#: ZZ-FACE-191113-06
 Model#: AAH02JDC9VA1AN(PMUD2629C)
 Phantom#: ELI4 1028
 Tissue Temp: 21.8 (C)
 Serial#: 446TVPB943
 Antenna: 85012026001/ WiFi Ant
 Test Freq: 2437.000 (MHz)
 Battery: PMNN4407BR
 Carry Acc: None
 Audio Acc: None
 Start Power: 0.0571 (W)

Comments:

Communication System Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz), Communication System UID: 10415 - AAA, Duty Cycle: 1:1.42561,

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.88$ S/m; $\epsilon_r = 35.5$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 2437 MHz, ConvF(7.38, 7.38, 7.38) @ 2437 MHz

Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

2-3 GHz-Rev.2/Face Scan/1-Area Scan (81x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 6.610 V/m; Power Drift = -0.41 dB

Fast SAR: SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.032 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0773 W/kg

2-3 GHz-Rev.2/Face Scan/3-Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.610 V/m; Power Drift = -0.46 dB

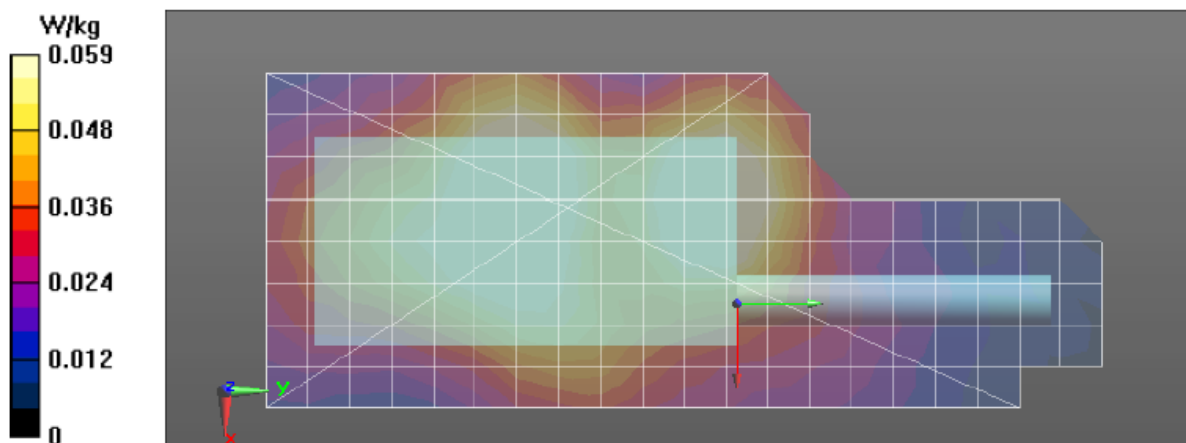
Peak SAR (extrapolated) = 0.148 W/kg

SAR(1 g) = 0.052 W/kg; SAR(10 g) = 0.025 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0745 W/kg

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

Maximum value of SAR (measured) = 0.0594 W/kg



APPENDIX F

Shortened Scan of Highest SAR configuration

Shortened Scan Table 38

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/7/2019 1:55:36 PM

Robot#: DASY5-PG-3 | Run#: LOH-AB-191007-04
 Model#: AAH02JDC9VA1AN (PMUD2629C)
 Phantom#: ELI4 1016
 Tissue Temp: 21.0 (C)
 Serial#: 446TVPB943
 Antenna: PMAD4118A
 Test Freq: 160.0000 (MHz)
 Battery: PMNN4544A
 Carry Acc: PMLN4651A
 Audio Acc: PMLN5727A
 Start Power: 5.95 (W)

Comments: Shorten Scan

Duty Cycle: 1:1, Medium parameters used: $f = 160$ MHz; $\sigma = 0.78$ S/m; $\epsilon_r = 59.6$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Calibrated: 1/23/2019, Frequency: 160 MHz, ConvF(12.37, 12.37, 12.37) @ 160 MHz
 Electronics: DAE4 Sn1483, Calibrated: 1/10/2019

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 44.10 V/m; Power Drift = -0.26 dB

Fast SAR: SAR(1 g) = 2.63 W/kg; SAR(10 g) = 1.73 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.25 W/kg

Below 2 GHz-Rev.2/Ab Scan/2-Volume 2D Scan (41x41x1): Interpolated grid: dx=0.7500 mm, dy=0.7500 mm, dz=1.000 mm

Reference Value = 44.10 V/m; Power Drift = -0.30 dB

Fast SAR: SAR(1 g) = 2.92 W/kg; SAR(10 g) = 1.78 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.65 W/kg

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

Maximum value of SAR (measured) = 3.46 W/kg

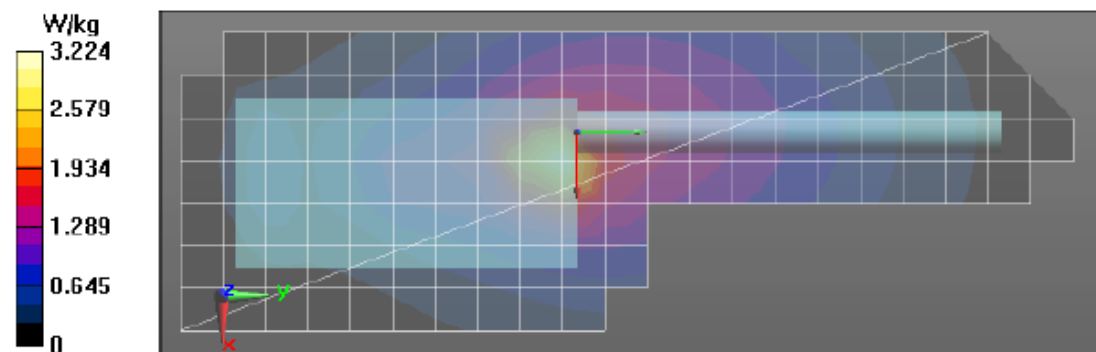
Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 68.05 V/m; Power Drift = -0.32 dB

Peak SAR (extrapolated) = 5.41 W/kg

SAR(1 g) = 2.45 W/kg; SAR(10 g) = 1.41 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.53 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)	38	7	1.33
Full scan (area & zoom)	19	30	1.74

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