

**MOTOROLA SOLUTIONS**

CERTIFICATE 2518.05

DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2

Motorola Solutions Inc.
EME Test Laboratory
 Motorola Solutions Malaysia Sdn Bhd (Innoplex)
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 Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.

Date of Report: 5/24/2017
Report Revision: D

Responsible Engineer: Chang Chi Chern (EME Engineer)
Report Author: Chang Chi Chern (EME Engineer)
Date/s Tested: 12/8/2016 – 1/6/2016; 2/7/2017 ; 2/16/2017
Manufacturer: Motorola Solutions Inc.
DUT Description: Handheld Portable – APX 900 Refresh Two Knob VHF Model 2 Portable
 APX 900 Refresh Two Knob VHF Model 3 Portable
Test TX mode(s): CW (PTT), Bluetooth, and WLAN 802.11b/g/n
Max. Power output: 5.90 W (136-174MHz), 10 mW (Bluetooth), 10 mW (Bluetooth LE), 22.4 mW
 (802.11b), 8.3 mW (802.11g), 12.6 mW (802.11n)
Nominal Power: 5.00 W (380-480MHz), 8.9 mW (Bluetooth), 8.9 mW (Bluetooth LE), 16.6 mW
 (802.11b), 6.6 mW (802.11g), 10 mW (802.11n)
Tx Frequency Bands: LMR 136-174 MHz; Bluetooth 2402-2480 MHz; WLAN 2412-2462 MHz
Signaling type: FM (LMR), FHSS (Bluetooth), 802.11b/g/n (WLAN)
Model(s) Tested: H92KDF9PW6AN (PMUD3431A), H92KDH9PW7AN (PMUD3432A)
Model(s) Certified: H92KDF9PW6AN (PMUD3431A), H92KDH9PW7AN (PMUD3432A)
Serial Number(s): 837TSX2441; 837TSX2431; 837TSX2498
Classification: Occupational/Controlled
FCC ID: AZ489FT7098; 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-89FT7098; This report contains results that are immaterial for IC equipment
 approval, which are clearly identified.
ISED Test Site registration: 109AK

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 OET Bulletin 65. The 10 grams result is not applicable to FCC filing. The test results clearly demonstrate compliance with ICNIRP (1998) Guidelines for limiting exposure in time-varying electric, magnetic, and electromagnetic fields (up to 300 GHz), Health Physics 74, 494-522 RF Exposure limits of 10 W/kg averaged over 10grams of contiguous tissue.

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
Approval Date: 5/24/2017

Appendix E

System Verifications Check scans

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/8/2016 12:00:06 PM

Robot#: DASY5-PG-1 | Run#: FD-SYSP-150B-161208-01
 Dipole Model#: CLA-150
 Phantom#: ELI5 1150
 Tissue Temp: 21.1 (C)
 Serial#: 4005
 Test Freq: 150.0000 (MHz)
 Start Power: 1000 (mW)
 Rotation (1D): 0.095 dB
 Adjusted SAR (1W): 4.09 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.81$ S/m; $\epsilon_r = 61.5$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3612, , Frequency: 150 MHz, ConvF(9.42, 9.42, 9.42); Calibrated: 7/11/2016
 Electronics: DAE4 Sn684, Calibrated: 4/29/2016

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 = 78.58 V/m; Power Drift = 0.04 dB

Fast SAR: SAR(1 g) = 4.95 W/kg; SAR(10 g) = 3.51 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 6.13 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 78.58 V/m; Power Drift = 0.04 dB

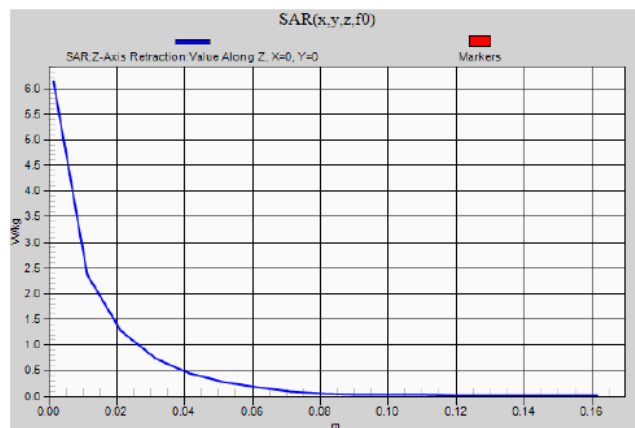
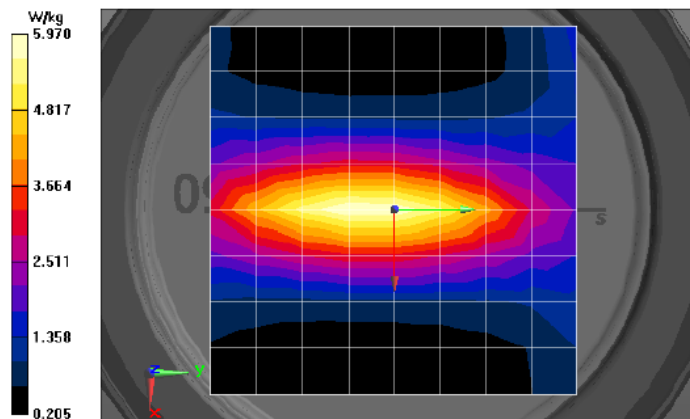
Peak SAR (extrapolated) = 7.70 W/kg

SAR(1 g) = 4.09 W/kg; SAR(10 g) = 2.65 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.09 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) = 6.13 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/9/2016 8:19:57 AM

Robot#: DASY5-PG-1 | Run#: FD-SYSP-150B-161209-02
 Dipole Model#: CLA-150
 Phantom#: ELI5 1150
 Tissue Temp: 20.9 (C)
 Serial#: 4005
 Test Freq: 150.0000 (MHz)
 Start Power: 1000 (mW)
 Rotation(1D): 0.088 dB
 Adjusted SAR (1W): 4.21 mW/g (1 g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.78$ S/m; $\epsilon_r = 61.8$; $\rho = 1000$ kg/m³
 Probe: EX3DV 4 - SN3612, , Frequency: 150 MHz, ConvF(9.42, 9.42, 9.42); Calibrated: 7/11/2016
 Electronics: DAE4 Sr684, Calibrated: 4/29/2016

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 = 80.10 V/m; Power Drift = -0.03 dB

Fast SAR: SAR(1 g) = 5.05 W/kg; SAR(10 g) = 3.58 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 6.02 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 80.10 V/m; Power Drift = -0.03 dB

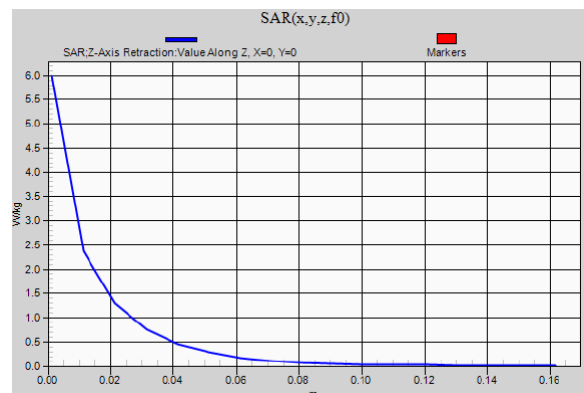
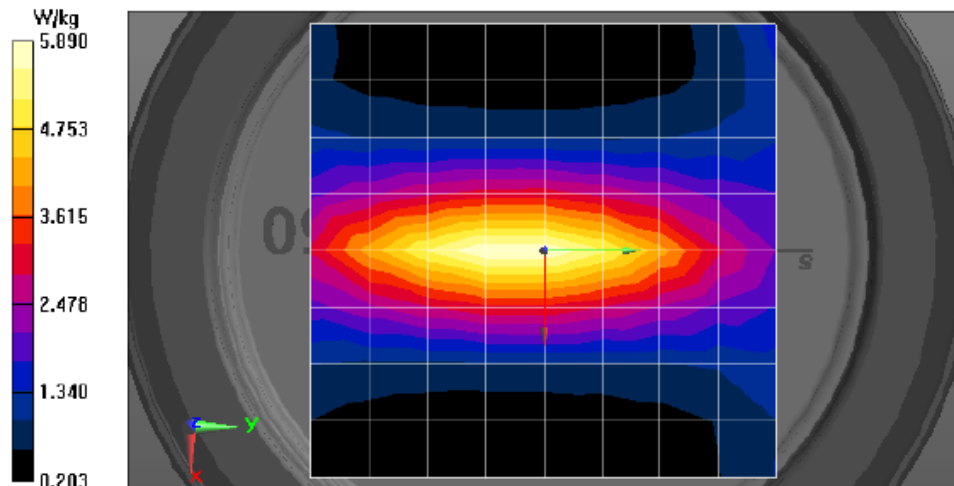
Peak SAR (extrapolated) = 7.67 W/kg

SAR(1 g) = 4.21 W/kg; SAR(10 g) = 2.73 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.06 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) = 5.99 W/kg



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Date/Time: 12/13/2016 7:55:32 AM

Robot# DASYS-PG-1 | Run#: AZ-SYSP-150B-161213-02
 Dipole Model# CLA-150
 Phantom# ELI5 1150
 Tissue Temp: 22.8 (C)
 Serial#: 4005
 Test Freq: 150.0000 (MHz)
 Start Power: 1000 (mW)
 Rotation (1D): 0.095 dB
 Adjusted SAR (1W): 3.96 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.83$ S/m; $\epsilon_r = 61.1$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3612, , Frequency: 150 MHz, ConvF(9.42, 9.42, 9.42); Calibrated: 7/11/2016
 Electronics: DAE4 Sn684, Calibrated: 4/29/2016

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 = 83.91 V/m; Power Drift = -0.03 dB

Fast SAR: SAR(1 g) = 4.87 W/kg; SAR(10 g) = 3.45 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 6.14 W/kg

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

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

Reference Value = 83.91 V/m; Power Drift = -0.03 dB

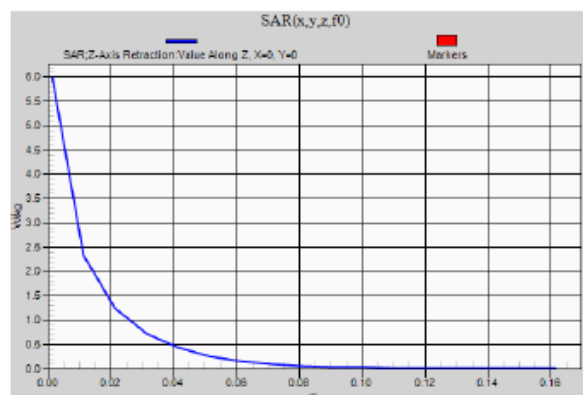
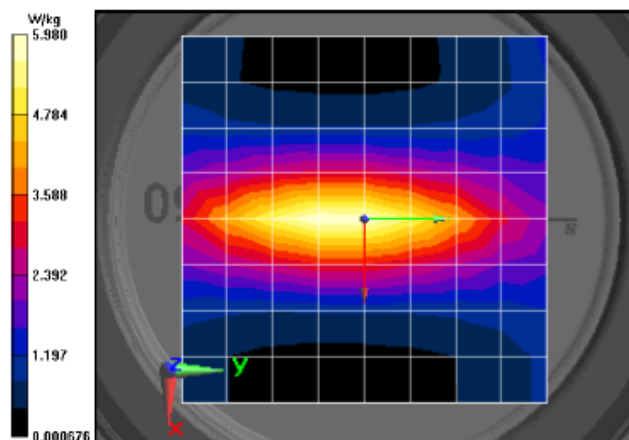
Peak SAR (extrapolated) = 7.50 W/kg

SAR(1 g) = 3.96 W/kg; SAR(10 g) = 2.57 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.99 W/kg

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

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



Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/14/2016 7:53:59 AM

Robot#: DASY5-PG-1 | Run#: AZ-SYSP-150B-161214-03
 Dipole Model#: CLA-150
 Phantom#: EL15 1150
 Tissue Temp: 22.5 (C)
 Serial#: 4005
 Test Freq: 150.0000 (MHz)
 Start Power: 1000 (mW)
 Rotation (1D): 0.080 dB
 Adjusted SAR (1W): 4.07 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.81$ S/m; $\epsilon_r = 60.7$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3612, , Frequency: 150 MHz, ConvF(9.42, 9.42, 9.42); Calibrated: 7/11/2016
 Electronics: DAE4 Sn684, Calibrated: 4/29/2016

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 = 87.04 V/m; Power Drift = 0.05 dB

Fast SAR: SAR(1 g) = 5.05 W/kg; SAR(10 g) = 3.57 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 6.24 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 87.04 V/m; Power Drift = 0.05 dB

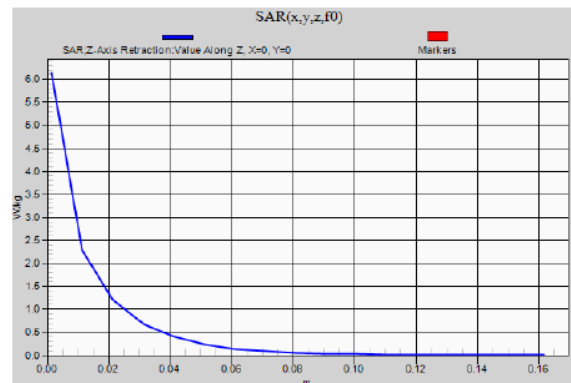
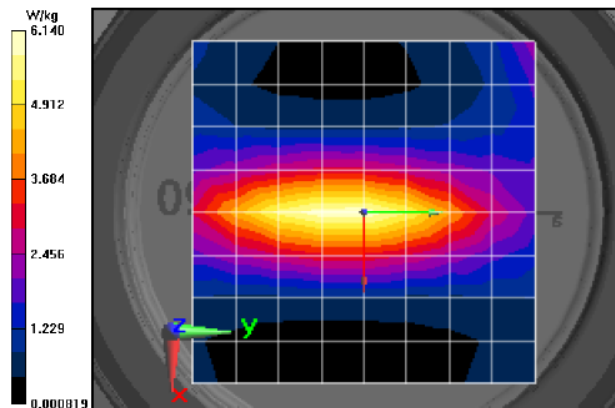
Peak SAR (extrapolated) = 7.95 W/kg

SAR(1 g) = 4.07 W/kg; SAR(10 g) = 2.6 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.17 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) = 6.14 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/15/2016 7:54:21 AM

Robot#: DASY5-PG-1 | Run#: AZ-SYSP-150B-161215-03
 Dipole Model#: CLA-150
 Phantom#: ELI5 1150
 Tissue Temp: 22.1 (C)
 Serial#: 4005
 Test Freq: 150.0000 (MHz)
 Start Power: 1000 (mW)
 Rotation (1D): 0.078 dB
 Adjusted SAR (1W): 4.13 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.79$ S/m; $\epsilon_r = 60.4$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3612, , Frequency: 150 MHz, ConvF(9.42, 9.42, 9.42); Calibrated: 7/11/2016
 Electronics: DAE4 Sn684, Calibrated: 4/29/2016

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 = 87.76 V/m; Power Drift = 0.12 dB

Fast SAR: SAR(1 g) = 5.1 W/kg; SAR(10 g) = 3.6 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 6.18 W/kg

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

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

Reference Value = 87.76 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 7.75 W/kg

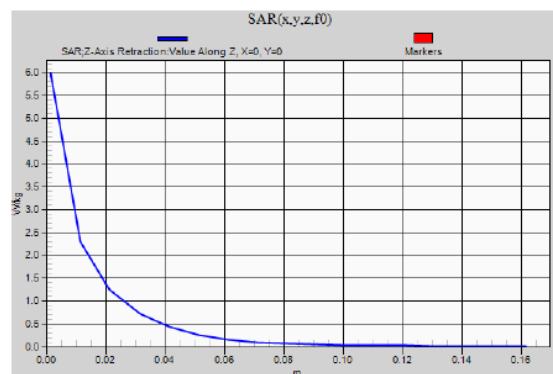
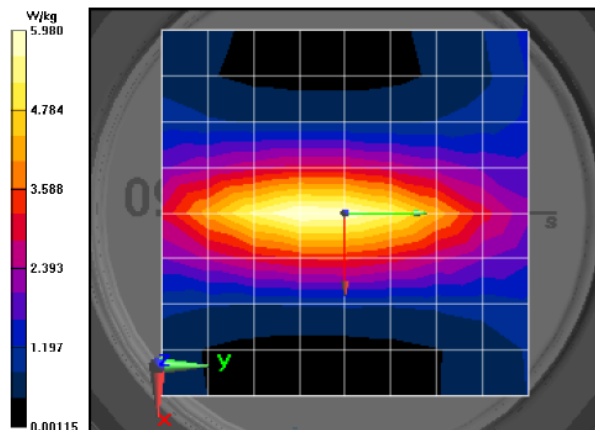
SAR(1 g) = 4.13 W/kg; SAR(10 g) = 2.67 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.06 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) = 5.98 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/19/2016 7:40:50 AM

Robot#: DASY5-PG-1 | Run# FD-S YSP-150B-161219-01
 Dipole Model# CLA-150
 Phantom# EL151150
 Tissue Temp: 22.1 (C)
 Serial# 4005
 Test Freq: 150.0000 (MHz)
 Start Power: 1000 (mW)
 Rotation (1D): 0.089 dB
 Adjusted SAR (1W): 4.17 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.8$ S/m; $\epsilon_r = 59.8$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3612, , Frequency: 150 MHz, ComF(9.42, 9.42, 9.42); Calibrated: 7/11/2016
 Electronics: DAE4 Sn684, Calibrated: 4/29/2016

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 = 86.95 V/m; Power Drift = 0.13 dB

Fast SAR: SAR(1 g) = 5.06 W/kg; SAR(10 g) = 3.59 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 6.24 W/kg

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

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

Reference Value = 86.95 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 7.72 W/kg

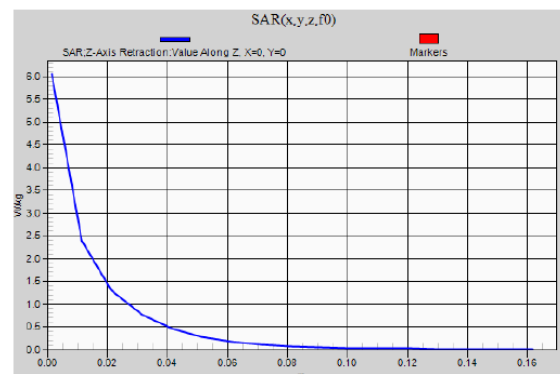
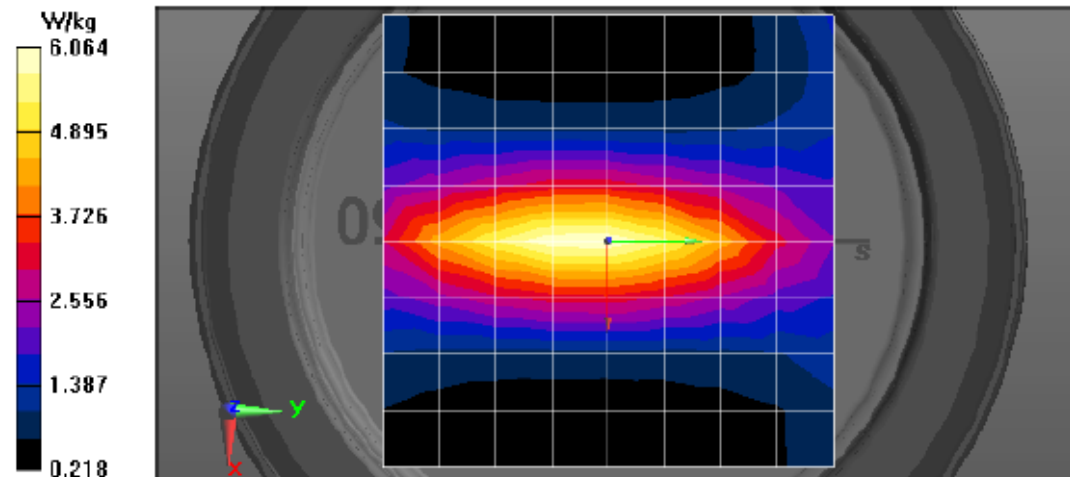
SAR(1 g) = 4.17 W/kg; SAR(10 g) = 2.72 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.16 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) = 6.05 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/7/2017 2:41:20 PM

Robot#: DASY5-PG-1 | Run#: FD-SYSP-150B-170207-04

Dipole Model#: CLA-150

Phantom#: ELI5 1150

Tissue Temp: 21.4 (C)

Serial#: 4005

Test Freq: 150.00 (MHz)

Start Power: 1000 (mW)

Rotation (1D): 0.14dB

Adjusted SAR (1W): 4.21 mW/g (1g)

Comments:Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.83$ S/m; $\epsilon_r = 60.7$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN3612, , Frequency: 150 MHz, ConvF(9.42, 9.42, 9.42); Calibrated: 7/11/2016

Electronics: DAE4 Sn684, Calibrated: 4/29/2016

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 = 85.54 V/m; Power Drift = 0.11 dB

Fast SAR: SAR(1 g) = 5 W/kg; SAR(10 g) = 3.56 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 6.27 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 85.54 V/m; Power Drift = 0.11 dB

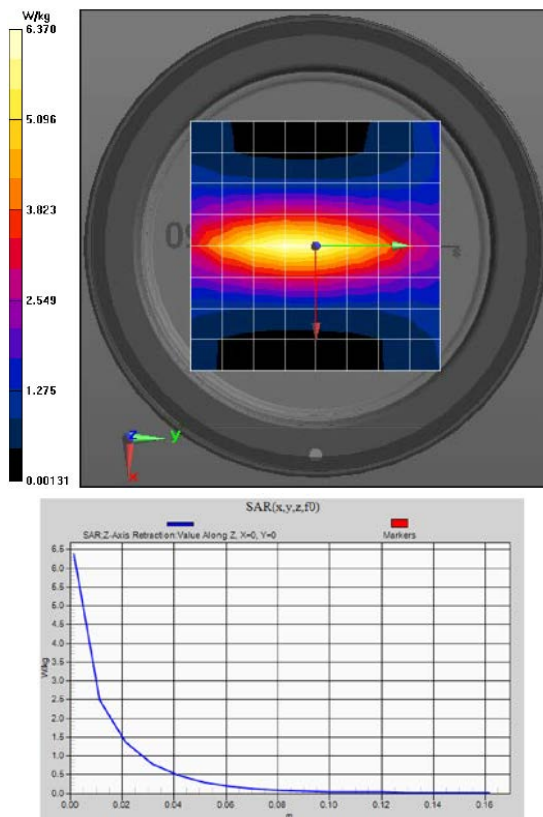
Peak SAR (extrapolated) = 7.79 W/kg

SAR(1 g) = 4.21 W/kg; SAR(10 g) = 2.75 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.24 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) = 6.37 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/4/2017 2:22:23 PM

Robot#: DASY5-PG-1 | Run#: AZ-SYSP-2450B-170104-01
 Dipole Model#: D2450V2
 Phantom#: ELI4 1016
 Tissue Temp: 20.9 (C)
 Serial#: 781
 Test Freq: 2450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.019 dB
 Adjusted SAR (1W): 53.60 mW/kg (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 - S N3612, , Frequency: 2450 MHz, ConvF(6.43, 6.43, 6.43); Calibrated: 7/11/2016
 Electronics: DAE4 Sn684, Calibrated: 4/29/2016

2-3 GHz-Rev2/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 = -0.02 dB

Fast SAR: SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.5 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 22.3 W/kg

2-3 GHz-Rev2/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 = -0.02 dB

Peak SAR (extrapolated) = 29.9 W/kg

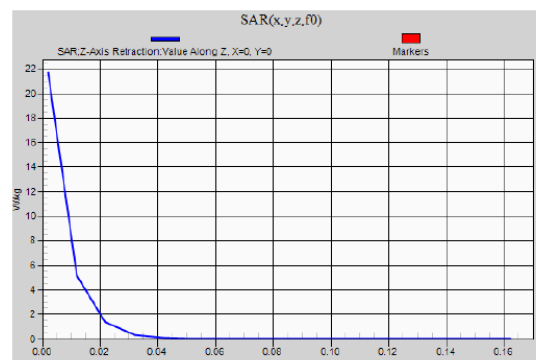
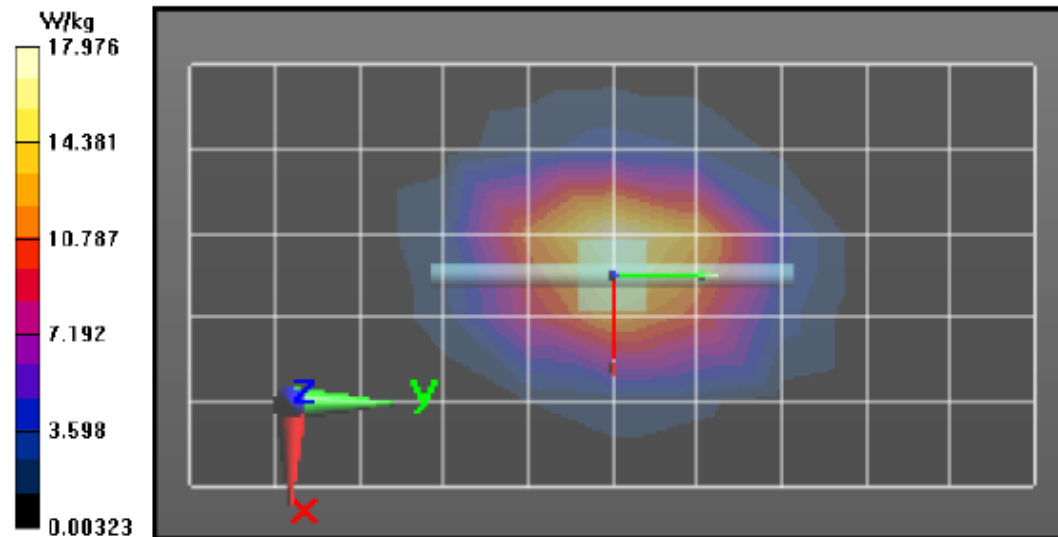
SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.21 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 21.5 W/kg

2-3 GHz-Rev2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement

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

Maximum value of SAR (measured) = 21.7 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/5/2017 3:05:13 PM

Robot#: DASYS-PG-03 | Run#: AZ-SYSP-2450B-170105-01
 Dipole Model#: D2450W2
 Phantom#: ELI4 1016
 Tissue Temp: 20.8 (C)
 Serial#: 781
 Test Freq: 2450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.240 dB
 Adjusted SAR (1W): 47.60 mW/kg (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, Frequency: 2450 MHz, ConvF(7.69, 7.69, 7.69); Calibrated: 10/20/2016
 Electronics: DAE4 Sn729, Calibrated: 10/12/2016

2-3 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (31x61x1): Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Reference Value = 90.69 W/m; Power Drift = 0.00 dB

Fast SAR: SAR(1 g) = 12.5 W/kg; SAR(10 g) = 5.86 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 = 90.69 W/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 26.2 W/kg

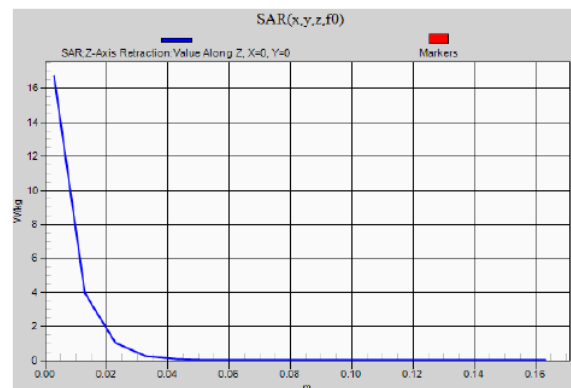
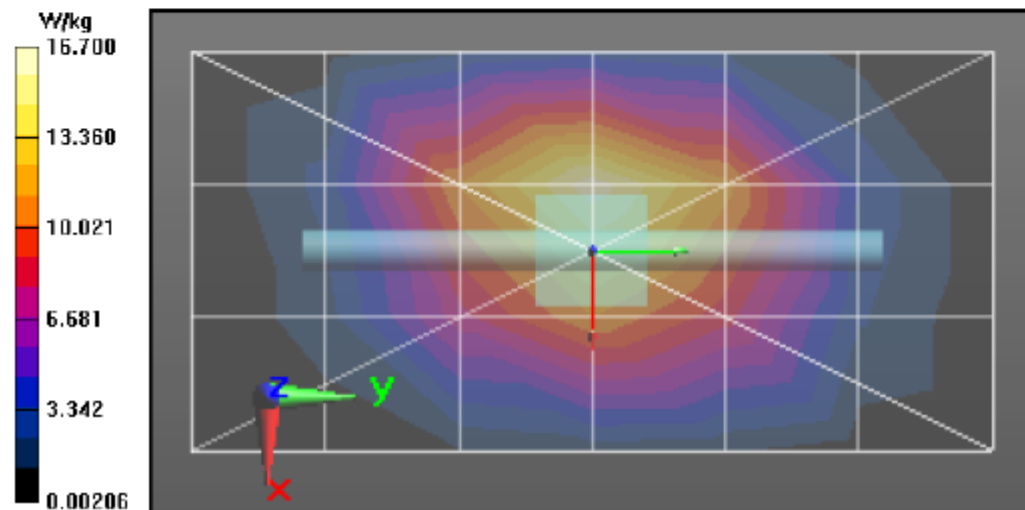
SAR(1 g) = 11.9 W/kg; SAR(10 g) = 5.52 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 19.1 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) = 16.7 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/16/2016 6:11:11 AM

Robot#: DASY5-PG-1 | Run#: AZ-SYSP-150H-161216-01#
 Dipole Model#: CLA-150
 Phantom#: ELI4 1050
 Tissue Temp: 22.1 (C)
 Serial#: 4005
 Test Freq: 150.0000 (MHz)
 Start Power: 1000 (mW)
 Rotation (1D): 0.085 dB
 Adjusted SAR (1W): 3.73 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.74$ S/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3612, , Frequency: 150 MHz, ConvF(9.9, 9.9, 9.9); Calibrated: 7/11/2016
 Electronics: DAE4 Sn684, Calibrated: 4/29/2016

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 = 84.87 V/m; Power Drift = 0.18 dB

Fast SAR: SAR(1 g) = 4.54 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 (5x5x7)/Cube 0:

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

Reference Value = 84.87 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 6.79 W/kg

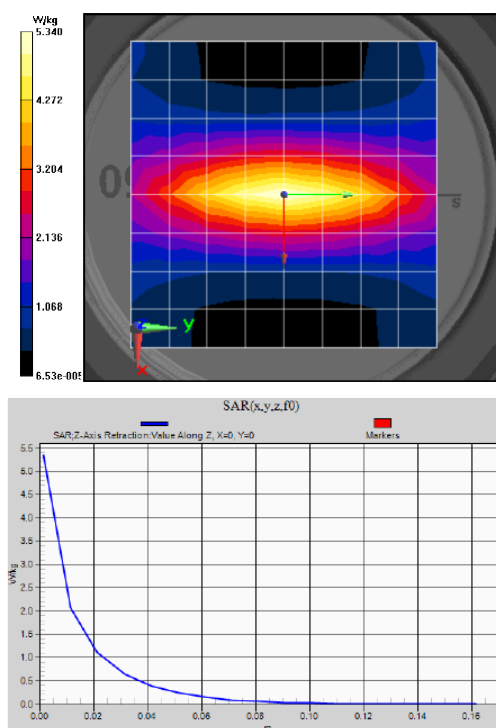
SAR(1 g) = 3.73 W/kg; SAR(10 g) = 2.41 W/kg (SAR corrected for target medium)

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) = 5.34 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/19/2016 4:46:25 PM

Robot#: DASY5-PG-1 | Run#: AZ-SYSP-150H-161219-12
 Dipole Model#: CLA-150
 Phantom#: ELI4 1150
 Tissue Temp: 21.7 (C)
 Serial#: 4005
 Test Freq: 150.0000 (MHz)
 Start Power: 1000 (mW)
 Rotation (1D): 0.097 dB
 Adjusted SAR (1W): 3.88 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.74$ S/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3612, , Frequency: 150 MHz, ConvF(9.9, 9.9, 9.9); Calibrated: 7/11/2016
 Electronics: DAE4 Sn684, Calibrated: 4/29/2016

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 = 86.09 V/m; Power Drift = 0.02 dB

Fast SAR: SAR(1 g) = 4.68 W/kg; SAR(10 g) = 3.31 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 (5x5x7)/Cube 0:Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 86.09 V/m; Power Drift = 0.02 dB

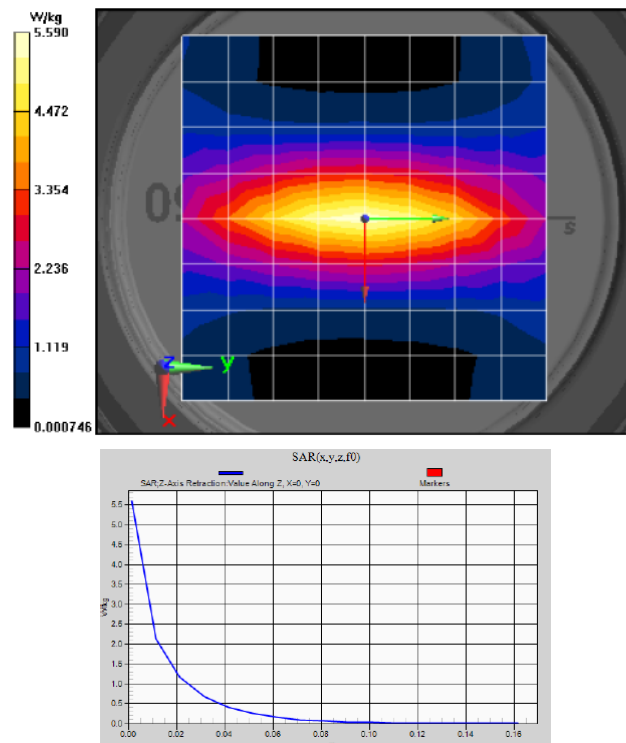
Peak SAR (extrapolated) = 7.13 W/kg

SAR(1 g) = 3.88 W/kg; SAR(10 g) = 2.5 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.61 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) = 5.59 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/16/2017 12:32:42 PM

Robot#: DASY5-PG-1 | Run#: FD-SYSP-150H-170216-01
 Dipole Model#: CLA-150
 Phantom#: ELI4 1050
 Tissue Temp: 21.0 (C)
 Serial#: 4005
 Test Freq: 150.0000 (MHz)
 Start Power: 1000 (mW)
 Rotation (1D): 0.093 dB
 Adjusted SAR (1W): 4.03 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.74$ S/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN3612, Frequency: 150 MHz, ConvF(9.9, 9.9, 9.9); Calibrated: 7/11/2016

Electronics: DAE4 Sn684, Calibrated: 4/29/2016

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 = 88.31 V/m; Power Drift = -0.08 dB

Fast SAR: SAR(1 g) = 4.83 W/kg; SAR(10 g) = 3.43 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 5.75 W/kg

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

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

Reference Value = 88.31 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 7.44 W/kg

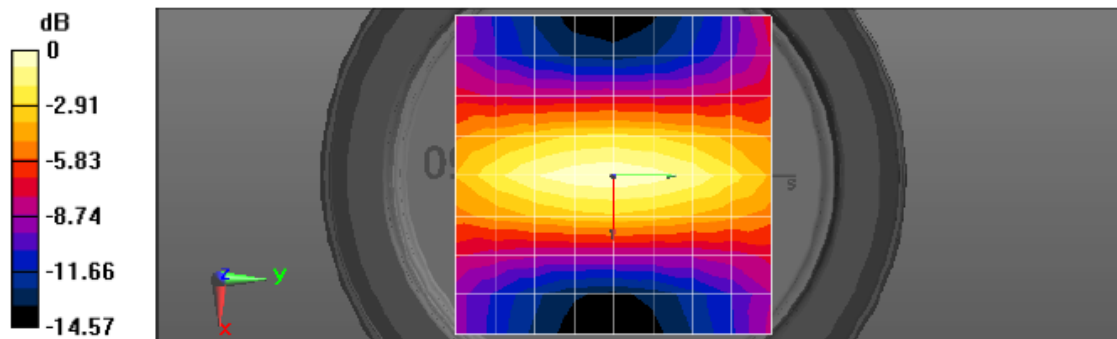
SAR(1 g) = 4.03 W/kg; SAR(10 g) = 2.6 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.85 W/kg

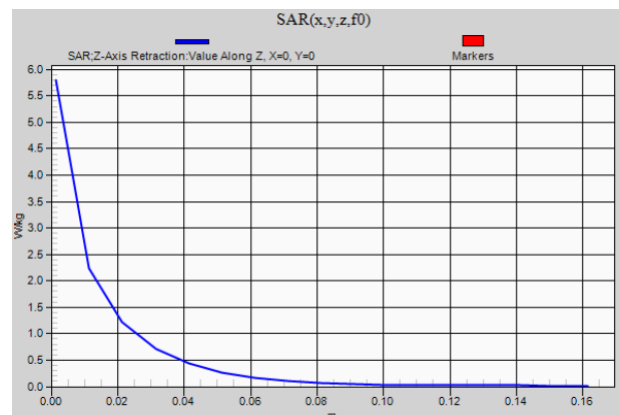
Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17):

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

Maximum value of SAR (measured) = 5.79 W/kg



0 dB = 5.79 W/kg = 7.63 dB W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/22/2016 2:10:03 PM

Robot#: DASY5-PG-1 | Run# AZ-S YSP-2450H-161222-03
 Dipole Model# D2450V2
 Phantom# ELI5 1147
 Tissue Temp: 21.2 (C)
 Serial# 781
 Test Freq: 2450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.037 dB
 Adjusted SAR (1W): 56.00 mW/kg (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 - SN3612, Frequency: 2450 MHz, ConvF(6.3, 6.3, 6.3); Calibrated: 7/11/2016
 Electronics: DAE4 Sn684, Calibrated: 4/29/2016

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 = 112.3 V/m; Power Drift = -0.05 dB

Fast SAR: SAR(1 g) = 14.8 W/kg; SAR(10 g) = 7.04 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 23.4 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 = 112.3 V/m; Power Drift = -0.05 dB

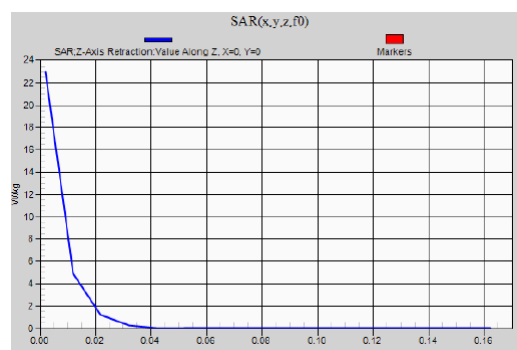
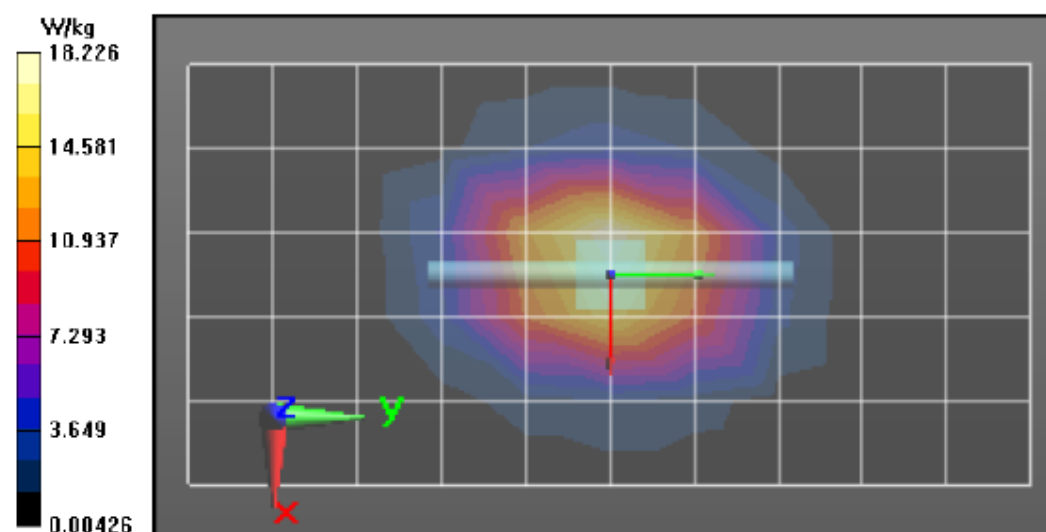
Peak SAR (extrapolated) = 32.3 W/kg

SAR(1 g) = 14 W/kg; SAR(10 g) = 6.42 W/kg (SAR corrected for target medium)

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

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

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



Appendix F DUT Scans

Assessments at the Body with Body Worn PMLN4651A

Table 18

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/8/2016 6:45:45 PM

Robot#: DASY5-PG-1| Run#: AZ-AB-161208-09
 Model#: H92KDF9PW6 N (PMUD3431A)
 Phantom#: ELIS 1150
 Tissue Temp: 20.1 (C)
 Serial#: 837TS X2441
 Antenna: PMAD4088B
 Test Freq: 150.8000 (MHz)
 Battery: PMNN4489A
 Carry Acc: PMLN4651A
 Audio Acc: PMMN4062A
 Start Power: 5.65 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 151$ MHz; $\sigma = 0.81$ S/m; $\epsilon_r = 61.5$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN3612, Frequency: 150.8 MHz, ConvF(9.42, 9.42, 9.42); Calibrated: 7/11/2016

Electronics: DAE4 Sn684, Calibrated: 4/29/2016

Below 2 GHz-Rev.2 2/Ab Scan/1-Area Scan (71x251x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 30.17 V/m; Power Drift = -0.07 dB

Fast SAR: SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.741 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.24 W/kg

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

Reference Value = 30.17 V/m; Power Drift = -0.20 dB

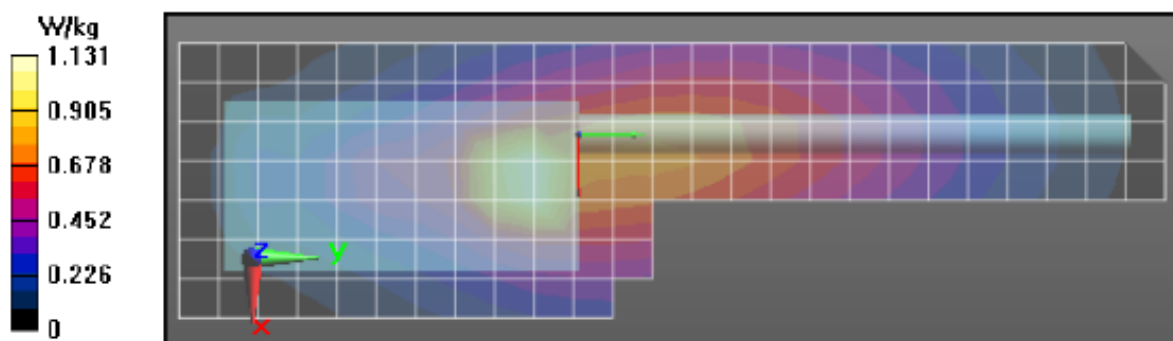
Peak SAR (extrapolated) = 2.38 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.606 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.57 W/kg

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

Maximum value of SAR (measured) = 1.47 W/kg



Assessments at the Body with Body Worn PMLN7008A

Table 19

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/9/2016 2:59:56 PM

Robot#: DASY5-PG-1| Run# AZ-AB-161209-07
 Model#: H92KDF9PW6 N (PMUD3431A)
 Phantom#: ELIS 1150
 Tissue Temp: 20.1 (C)
 Serial#: 837TS X2441
 Antenna: PMAD4088B
 Test Freq: 150.8000 (MHz)
 Battery: PMNN4489A
 Carry Acc: PMLN7008A
 Audio Acc: PMMN4062A
 Start Power: 5.66 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 151 \text{ MHz}$; $\sigma = 0.78 \text{ S/m}$; $\epsilon_r = 61.8$; $\rho = 1000 \text{ kg/m}^3$

Probe: EX3DV4 - SN3612, , Frequency: 150.8 MHz, ConvF(9.42, 9.42); Calibrated: 7/11/2016

Electronics: DAE4 Sn684, Calibrated: 4/29/2016

Below 2 GHz-Rev.2 2/Ab Scan/1-Area Scan (71x251x1): Interpolated grid: $dx = 1.500 \text{ mm}$,
 $dy = 1.500 \text{ mm}$

Reference Value = 29.98 V/m; Power Drift = -0.16 dB

Fast SAR: SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.737 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.29 W/kg

Below 2 GHz-Rev.2 2/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 = 29.98 V/m; Power Drift = -0.24 dB

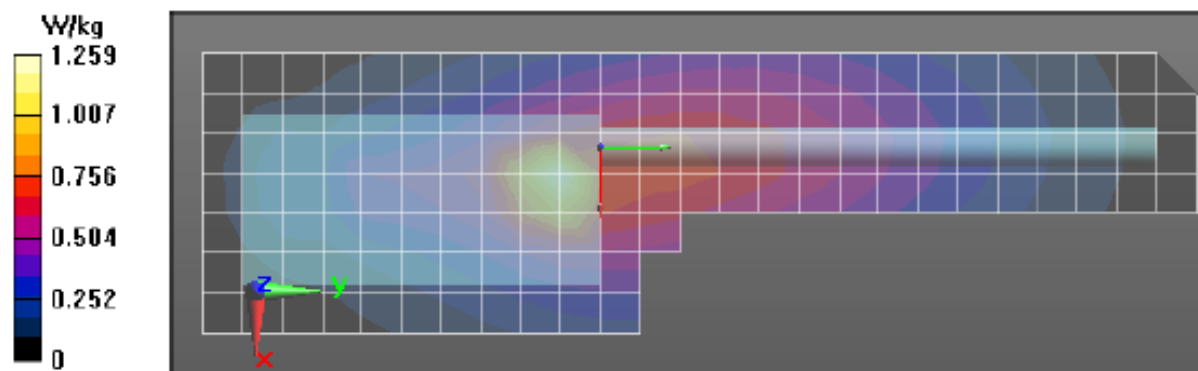
Peak SAR (extrapolated) = 2.36 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.596 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.44 W/kg

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

Maximum value of SAR (measured) = 1.50 W/kg



Assessments at the Body with Body Worn PMLN5838A

Table 20

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/9/2016 8:01:55 PM

Robot#: DASY5-PG-1| Run#: AZ-AB-161209-13
 Model#: H92KDF9PW6 N (PMUD3431A)
 Phantom#: ELI5 1150
 Tissue Temp: 20.2 (C)
 Serial#: 837TSX2441
 Antenna: PMAD4088B
 Test Freq: 150.8000 (MHz)
 Battery: PMNN4424A
 Carry Acc: PMLN5838A
 Audio Acc: PMMN4062A
 Start Power: 5.70 (W)

Comments:

DutyCycle: 1:1, Medium parameters used: $f = 151$ MHz, $\sigma = 0.78$ S/m, $\epsilon_r = 61.8$; $\rho = 1000$ kg/m³
 Probe: EX3DV 4 - SN3612,, Frequency: 150.8 MHz, ConvF(9.42, 9.42, 9.42); Calibrated: 7/11/2016
 Electronics: DAE4 Sn684, Calibrated: 4/29/2016

Below 2 GHz-Rev.2 2/Ab Scan/1-Area Scan (71x251x1): Interpolated grid: $\Delta x = 1.500$ mm, $\Delta y = 1.500$ mm

Reference Value = 23.28 V/m; Power Drift = -0.29 dB

Fast SAR: SAR(1 g) = 0.974 W/kg; SAR(10 g) = 0.684 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.16 W/kg

Below 2 GHz-Rev.2 2/Ab Scan/3-Zoom Scan (7x8x7)/Cube 0: Measurement grid: $\Delta x = 7.5$ mm, $\Delta y = 7.5$ mm, $\Delta z = 5$ mm

Reference Value = 23.28 V/m; Power Drift = -0.45 dB

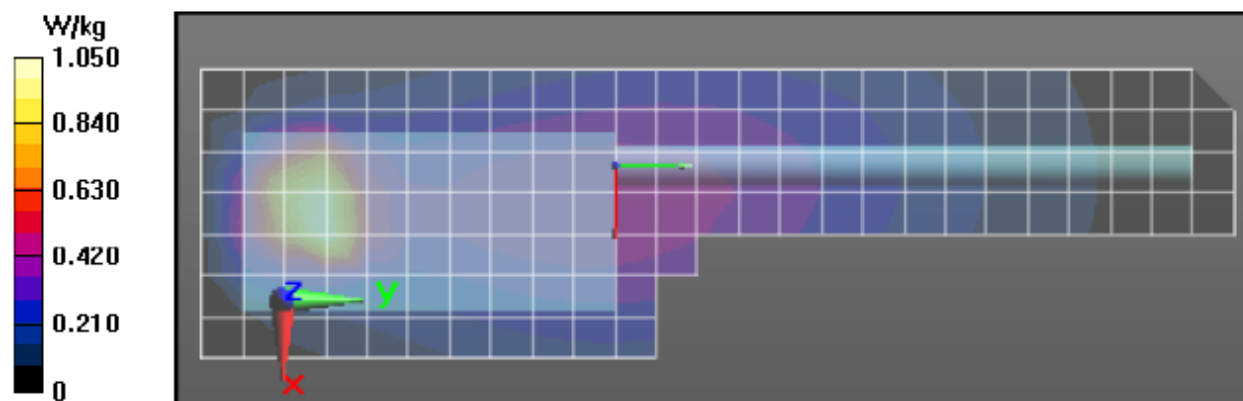
Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 0.711 W/kg; SAR(10 g) = 0.414 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.16 W/kg

Below 2 GHz-Rev.2 2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: $\Delta x = 20$ mm, $\Delta y = 20$ mm, $\Delta z = 10$ mm

Maximum value of SAR (measured) = 1.15 W/kg



Assessments at the Body with Body Worn PMLN5840A

Table 21

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/13/2016 1:49:38 PM

Robot#: DASY5-PG-1| Run#: AZ-AB-161213-08
 Model#: H92KDF9PW6 N (PMUD3431A)
 Phantom#: ELI5 1150
 Tissue Temp: 21.9 (C)
 Serial#: 837TSX2441
 Antenna: PMAD4088B
 Test Freq: 150.8000 (MHz)
 Battery: NNTN8128B
 Carry Acc: PMLN5840A
 Audio Acc: PMMN4062A
 Start Power: 5.89 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 151$ MHz; $\sigma = 0.83$ S/m; $\epsilon_r = 61.1$; $\rho = 1000$ kg/m³
 Probe: EX3DV 4 - SN3612, , Frequency: 150.8 MHz, ConvF(9.42, 9.42, 9.42); Calibrated: 7/11/2016
 Electronics: DAE4 Sn684, Calibrated: 4/29/2016

Below 2 GHz-Rev.2 2/Ab Scan/1-Area Scan (71x251x1): Interpolated grid: $dx=1.500$ mm,
 $dy=1.500$ mm

Reference Value = 18.35 V/m; Power Drift = -0.24 dB

Fast SAR: SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.214 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.322 W/kg

Below 2 GHz-Rev.2 2/Ab Scan/3-Zoom Scan (7x8x7)/Cube 0: Measurement grid: $dx=7.5$ mm,
 $dy=7.5$ mm, $dz=5$ mm

Reference Value = 18.35 V/m; Power Drift = -0.35 dB

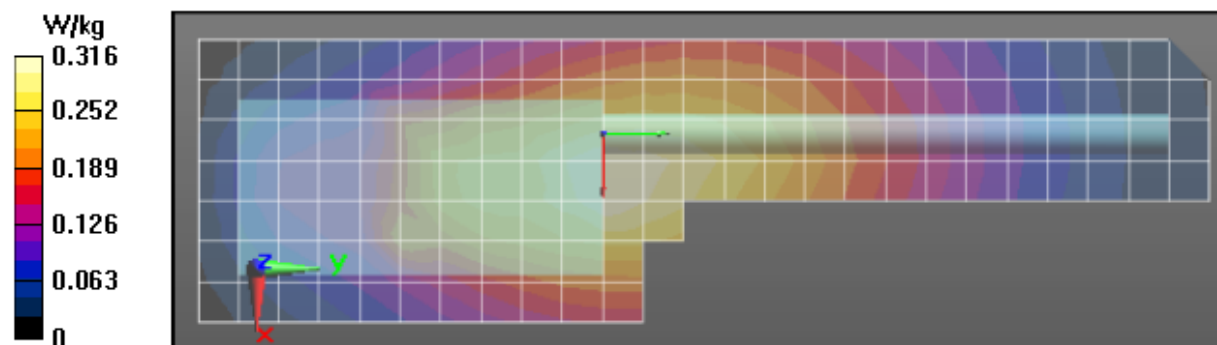
Peak SAR (extrapolated) = 0.393 W/kg

SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.201 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.328 W/kg

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

Maximum value of SAR (measured) = 0.323 W/kg



Assessments at the Body with Body Worn PMLN5842A

Table 22

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/14/2016 1:40:09 PM

Robot#: DASY5-PG-1| Run#: AZ-AB-16121409
 Model#: H92KDF9PW6 N (PMUD3431A)
 Phantom#: ELI5 1150
 Tissue Temp: 21.9 (C)
 Serial#: 837TSX2441
 Antenna: PMAD4088B
 Test Freq: 150.8000 (MHz)
 Battery: NNTN8128B
 Carry Acc: PMLN5842A
 Audio Acc: PMMN4062A
 Start Power: 5.72 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 151$ MHz; $\sigma = 0.81$ S/m; $\epsilon_r = 60.7$; $\rho = 1000$ kg/m³
 Probe: EX3DV 4 - SN3612, , Frequency: 150.8 MHz, ConvF(9.42, 9.42, 9.42); Calibrated: 7/11/2016
 Electronics: DAE4 Sn684, Calibrated: 4/29/2016

Below 2 GHz-Rev.2 2/Ab Scan/1-Area Scan (71x251x1): Interpolated grid: $dx=1.500$ mm,
 $dy=1.500$ mm

Reference Value = 17.25 V/m; Power Drift = -0.34 dB

Fast SAR: SAR(1 g) = 0.219 W/kg; SAR(10 g) = 0.170 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.252 W/kg

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

Reference Value = 17.25 V/m; Power Drift = -0.45 dB

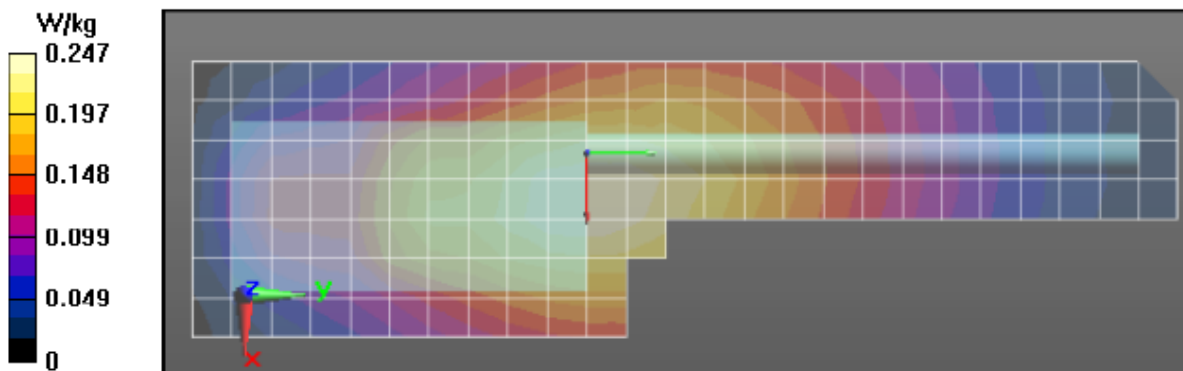
Peak SAR (extrapolated) = 0.320 W/kg

SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.171 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.270 W/kg

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

Maximum value of SAR (measured) = 0.263 W/kg



Assessments at the Body with Body Worn PMLN5844A

Table 23

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/14/2016 8:12:20 PM

Robot#: DASY5-PG-1 | Run#: FD-AB-161214-17
 Model#: H92KDF9PW6 N (PMUD3431A)
 Phantom#: ELI5 1150
 Tissue Temp: 21.0 (C)
 Serial#: 837TSX2441
 Antenna: PMAD4088B
 Test Freq: 150.8000 (MHz)
 Battery: NNTN8128B
 Carry Acc: PMLN5844A
 Audio Acc: PMMN4062A
 Start Power: 5.90 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 151 \text{ MHz}$; $\sigma = 0.81 \text{ S/m}$; $\epsilon_r = 60.7$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3612, , Frequency: 150.8 MHz, ConvF(9.42, 9.42, 9.42); Calibrated: 7/11/2016
 Electronics: DAE4 Sn684, Calibrated: 4/29/2016

Below 2 GHz-Rev.2 2/Ab Scan/1-Area Scan (71x251x1): Interpolated grid: $dx=1.500 \text{ mm}$,
 $dy=1.500 \text{ mm}$

Reference Value = 34.09 V/m; Power Drift = -0.20 dB

Fast SAR: SAR(1 g) = 0.823 W/kg; SAR(10 g) = 0.633 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.947 W/kg

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

Reference Value = 34.09 V/m; Power Drift = -0.26 dB

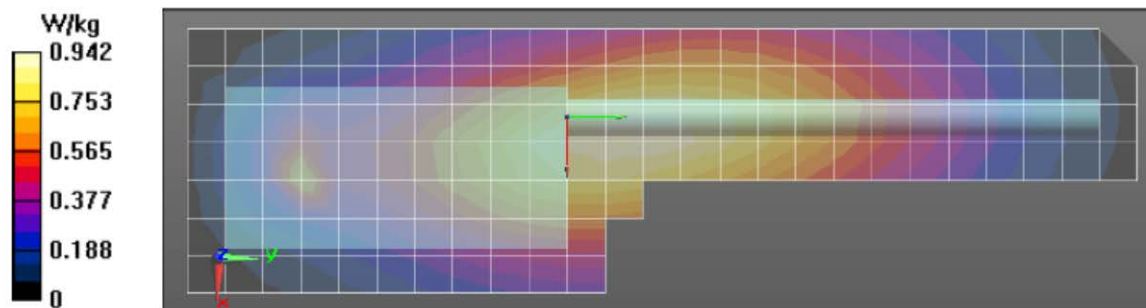
Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.779 W/kg; SAR(10 g) = 0.598 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.928 W/kg

Below 2 GHz-Rev.2 2/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) = 0.910 W/kg



Assessments of Wireless BT Configuration

Table 24

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/15/2016 9:32:21 AM

Robot#: DASY5-PG-1| Run#: AZ-AB-161215-05
 Model#: H92KDF9PW6 N (PMUD3431 A)
 Phantom#: ELI5 1150
 Tissue Temp: 21.8 (C)
 Serial#: 837TSX2441
 Antenna: PMAD4088B
 Test Freq: 150.8000 (MHz)
 Battery: PMNN4489 A
 Carry Acc: PMLN7008 A
 Audio Acc: None
 Start Power: 5.68 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 151 \text{ MHz}$, $\sigma = 0.79 \text{ S/m}$, $\epsilon_r = 60.4$, $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV 4 - SN3612, , Frequency: 150.8 MHz, ConvF(9.42, 9.42, 9.42); Calibrated: 7/11/2016
 Electronics: DAE4 Sn684, Calibrated: 4/29/2016

Below 2 GHz-Rev.2 2/Ab Scan/1-Area Scan (71x251x1): Interpolated grid: $dx=1.500 \text{ mm}$,
 $dy=1.500 \text{ mm}$

Reference Value = 37.99 V/m; Power Drift = -0.35 dB

Fast SAR: SAR(1 g) = 1.87 W/kg; SAR(10 g) = 1.25 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.32 W/kg

Below 2 GHz-Rev.2 2/Ab Scan/3-Zoom Scan (7x6x7)/Cube 0: Measurement grid: $dx=7.5 \text{ mm}$,
 $dy=7.5 \text{ mm}$, $dz=5 \text{ mm}$

Reference Value = 37.99 V/m; Power Drift = -0.46 dB

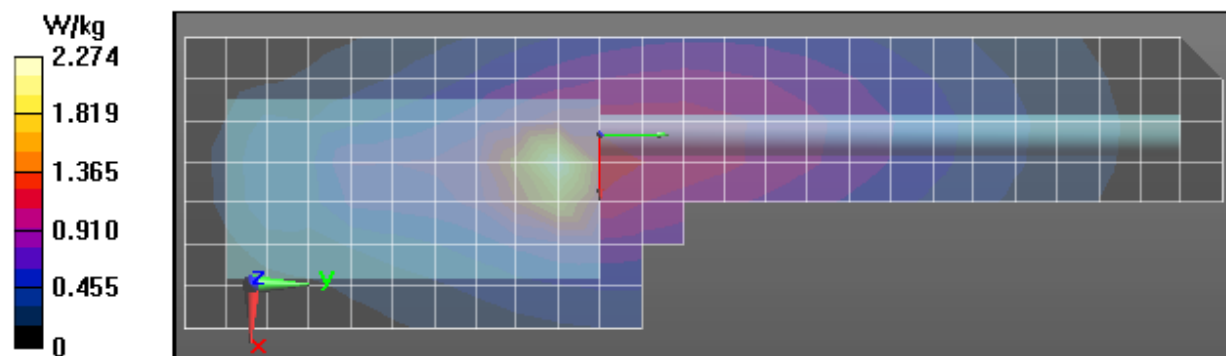
Peak SAR (extrapolated) = 4.55 W/kg

SAR(1 g) = 1.8 W/kg; SAR(10 g) = 0.991 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.61 W/kg

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

Maximum value of SAR (measured) = 2.68 W/kg



Assessments at the Body for WLAN 802.11 b/g/n

Table 26

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/6/2017 10:32:07 AM

Robot#: DASY5-PG-3 | Run#: FD-AB-170106-06#
 Model#: H92KDH9PW7N (PMUD3432A)
 Phantom#: ELI4 1016
 Tissue Temp: 21.4 (C)
 Serial#: 837TSX2498
 Antenna: AN000151A01 WiFi Ant
 Test Freq: 2437.000 (MHz)
 Battery: NNTN8128B
 Carry Acc: PMLN4651A
 Audio Acc: None
 Start Power: 0.0215 (W)

Comments:

Duty Cycle: 1:1.42561, Medium parameters used: $f = 2437$ MHz; $\sigma = 2.02$ S/m; $\epsilon_r = 47.8$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, , Frequency: 2437 MHz, ConvF(7.69, 7.69, 7.69); Calibrated: 10/20/2016
 Electronics: DAE4 Sn729, Calibrated: 10/12/2016

2-3 GHz-Rev.2/Ab Scan/1-Area Scan (91x231x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 1.373 V/m; Power Drift = -6.05 dB

Fast SAR: SAR(1 g) = 0.00479 W/kg; SAR(10 g) = 0.00228 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0195 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 = 1.373 V/m; Power Drift = -0.66 dB

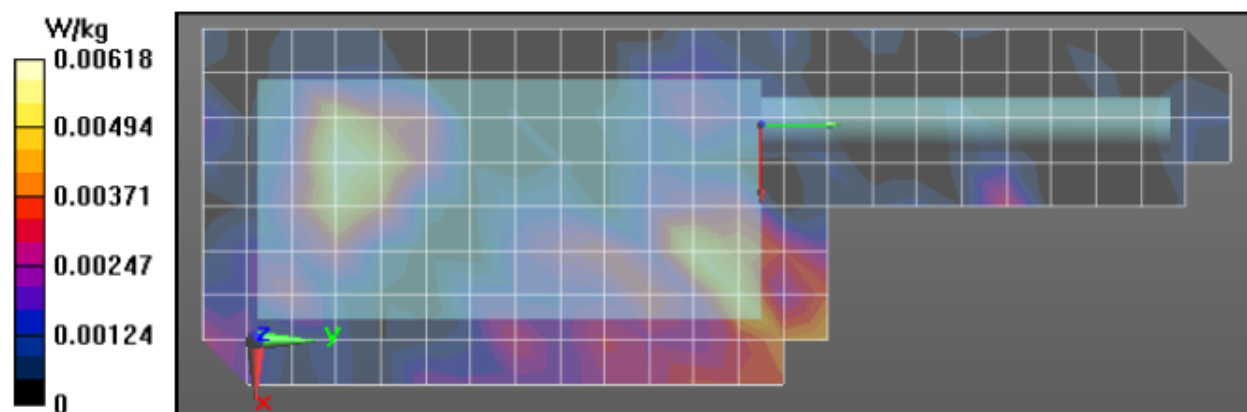
Peak SAR (extrapolated) = 0.0120 W/kg

SAR(1 g) = 0.00363 W/kg; SAR(10 g) = 0.0014 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0109 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) = 0.00282 W/kg



Assessments at the Face

Table 28

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/19/2016 5:47:10 PM

Robot#: DASY5-PG-1| Run#: AZ-FACE-161219-13
 Model#: H92KDH9PW7N (PMUD3432A)
 Phantom#: ELI4 1050
 Tissue Temp: 21.1 (C)
 Serial#: 837TSX2498
 Antenna: PMAD4095A
 Test Freq: 173.4000 (MHz)
 Battery: PMNN4491A
 Carry Acc: @ front
 Audio Acc: None
 Start Power: 5.82 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 173$ MHz; $\sigma = 0.76$ S/m; $\epsilon_r = 50.8$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3612, , Frequency: 173.4 MHz, ConvF(9.9, 9.9, 9.9); Calibrated: 7/11/2016
 Electronics: DAE4 Sr684, Calibrated: 4/29/2016

Below 2 GHz-Rev.2 2/Face Scan/1-Area Scan (71x181x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 39.14 V/m; Power Drift = -0.76 dB

Fast SAR: SAR(1 g) = 0.926 W/kg; SAR(10 g) = 0.710 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.07 W/kg

Below 2 GHz-Rev.2 2/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid:

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

Reference Value = 39.14 V/m; Power Drift = -0.85 dB

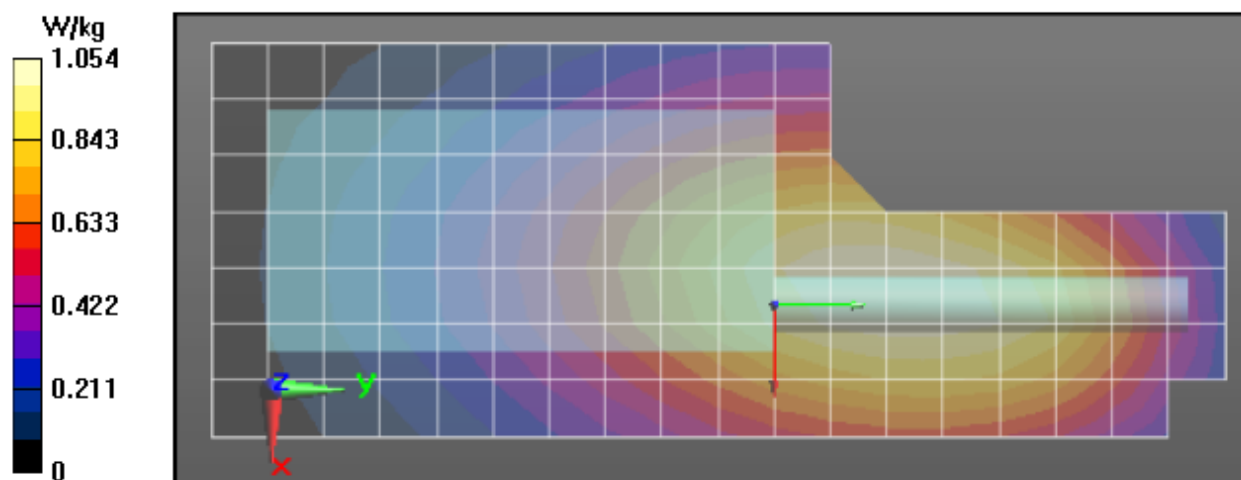
Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.842 W/kg; SAR(10 g) = 0.643 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.00 W/kg

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

Maximum value of SAR (measured) = 0.993 W/kg



Assessments at the Face for WLAN 802.11 b/g/n

Table 30

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/22/2016 6:46:12 PM

Robot#: DASY5-PG-1 | Run#: AZ-FACE-161222-08
 Model#: H92KDF9PW6 N (PMUD3431A)
 Phantom#: ELI5 1147
 Tissue Temp: 20.6 (C)
 Serial#: 837TSX2441
 Antenna: AN000151A01 WiFi Ant
 Test Freq: 2437.000 (MHz)
 Battery: NNTN8128B
 Carry Acc: Radio @ Front
 Audio Acc: None
 Start Power: 0.0215 (W)

Comments:

Duty Cycle: 1:1.42561, Medium parameters used: $f = 2437$ MHz; $\sigma = 1.87$ S/m; $\epsilon_r = 35.4$; $\rho = 1000$ kg/m³
 Probe: EX3DV 4 - SN3612, , Frequency: 2437 MHz, CorrF(6.3, 6.3, 6.3); Calibrated: 7/11/2016
 Electronics: DAE4 Sn684, Calibrated: 4/29/2016

2-3 GHz-Rev.2/Face Scan/1-Area Scan (81x231x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Reference Value = 3.614 V/m; Power Drift = -0.28 dB

Fast SAR: SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.012 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0293 W/kg

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

Reference Value = 3.614 V/m; Power Drift = -0.35 dB

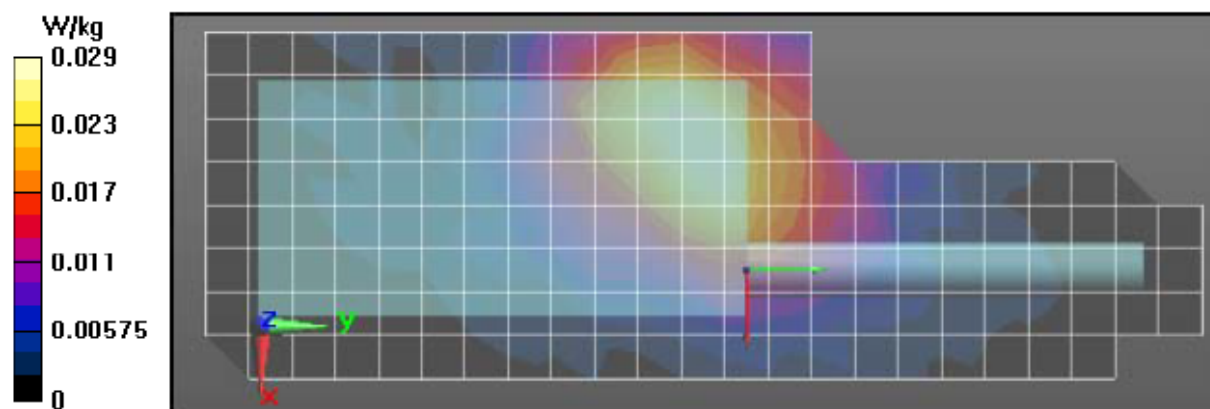
Peak SAR (extrapolated) = 0.0430 W/kg

SAR(1 g) = 0.022 W/kg; SAR(10 g) = 0.012 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0315 W/kg

2-3 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) = 0.0290 W/kg



Assessments at the Body for Outside FCC PT90 / ISED Canada

Table 31

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/19/2016 12:23:23 PM

Robot#: DASY5-PG-1| Run#: FD-AB-161219-07
 Model#: H92KDH9PW7N (PMUD3432A)
 Phantom#: ELI5 1150
 Tissue Temp: 21.4 (C)
 Serial#: 837TSX2498
 Antenna: PMAD4093A
 Test Freq: 136.0000 (MHz)
 Battery: PMNN4489A
 Carry Acc: PMLN7008A
 Audio Acc: None
 Start Power: 5.47 (W)

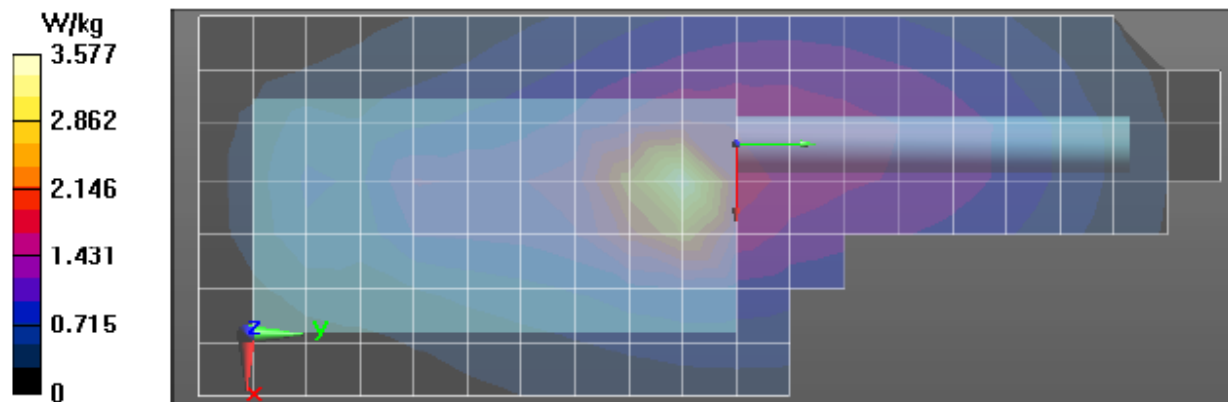
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 136$ MHz; $\sigma = 0.79$ S/m; $\epsilon_r = 60.1$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3612, , Frequency: 136 MHz, ConvF(9.42, 9.42, 9.42); Calibrated: 7/11/2016
 Electronics: DAE4 Sr684, Calibrated: 4/29/2016

Below 2 GHz-Rev.2 2/Ab Scan/1-Area Scan (71x191x1): Interpolated grid: $\Delta x = 1.500$ mm,
 $\Delta y = 1.500$ mm
 Reference Value = 47.65 V/m; Power Drift = -0.85 dB
Fast SAR: SAR(1 g) = 2.91 W/kg; SAR(10 g) = 1.91 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 3.65 W/kg

Below 2 GHz-Rev.2 2/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $\Delta x = 7.5$ mm,
 $\Delta y = 7.5$ mm, $\Delta z = 5$ mm
 Reference Value = 47.65 V/m; Power Drift = -1.04 dB
 Peak SAR (extrapolated) = 7.20 W/kg
SAR(1 g) = 2.68 W/kg; SAR(10 g) = 1.41 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 3.76 W/kg

Below 2 GHz-Rev.2 2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: $\Delta x = 20$ mm,
 $\Delta y = 20$ mm, $\Delta z = 10$ mm
 Maximum value of SAR (measured) = 4.07 W/kg



Assessments at the Face for Outside PT90 / ISED Canada

Table 31

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/16/2016 5:29:24 PM

Robot#: DASY5-PG-1| Run#: FD-FACE-161216-13
 Model#: H92KDF9PW6 N (PMUD3431A)
 Phantom#: ELI4 1050
 Tissue Temp: 21.5 (C)
 Serial#: 837TSX2441
 Antenna: PMAD4088B
 Test Freq: 136.0000 (MHz)
 Battery: PMNN4491A
 Carry Acc: @ front
 Audio Acc: NONE
 Start Power: 5.66 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 136$ MHz; $\sigma = 0.74$ S/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3612, , Frequency: 136 MHz, ConvF(9.9, 9.9, 9.9); Calibrated: 7/11/2016
 Electronics: DAE4 Sn684, Calibrated: 4/29/2016

Below 2 GHz-Rev.2 2/Face Scan/1-Area Scan (71x251x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 42.65 V/m; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.922 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.35 W/kg

Below 2 GHz-Rev.2 2/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

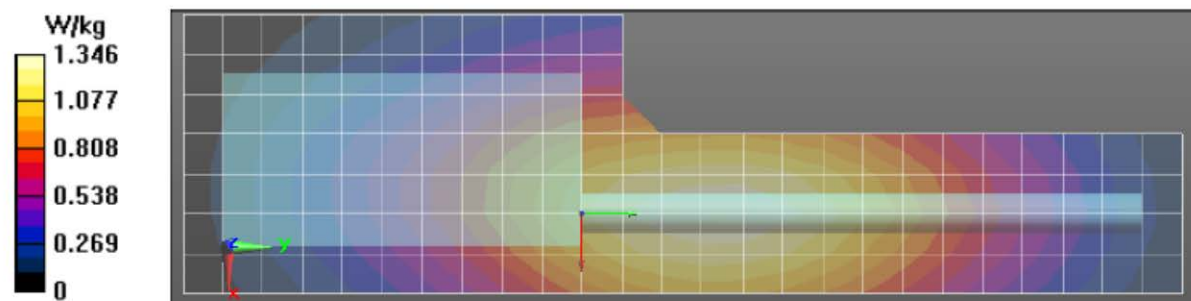
Reference Value = 42.65 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.911 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.36 W/kg

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



Assessments at the Body for ISED Canada

Table 32

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/15/2016 3:31:41 PM

Robot#: DASY5-PG-1| Run#: FD-AB-161215-11
 Model#: H92KDF9PW6 N (PMUD3431A)
 Phantom#: ELI5 1150
 Tissue Temp: 21.3 (C)
 Serial#: 837TSX2441
 Antenna: PMAD4088B
 Test Freq: 141.5000 (MHz)
 Battery: PMNN4489A
 Carry Acc: PMLN7008A
 Audio Acc: None
 Start Power: 5.50 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 142 \text{ MHz}$; $\sigma = 0.79 \text{ S/m}$; $\epsilon_r = 60.6$; $\rho = 1000 \text{ kg/m}^3$

Probe: EX3DV4 - SN3612, , Frequency: 141.5 MHz, ConvF(9.42, 9.42, 9.42); Calibrated: 7/11/2016

Electronics: DAE4 Sn684, Calibrated: 4/29/2016

Below 2 GHz-Rev.2 2/Ab Scan/1-Area Scan (71x251x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 53.49 V/m; Power Drift = -0.60 dB

Fast SAR: SAR(1 g) = 3.51 W/kg; SAR(10 g) = 2.43 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 4.31 W/kg

Below 2 GHz-Rev.2 2/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 = 53.49 V/m; Power Drift = -0.66 dB

Peak SAR (extrapolated) = 8.89 W/kg

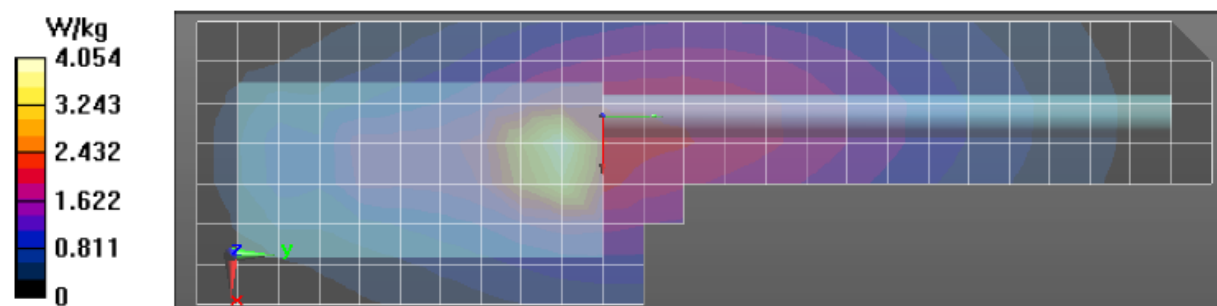
SAR(1 g) = 3.5 W/kg; SAR(10 g) = 1.92 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.19 W/kg

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

$dy=20 \text{ mm}$, $dz=10 \text{ mm}$

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



Assessments at the Face for ISED Canada
Table 32
Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/16/2016 6:08:22 PM

Robot# DASY5-PG-1| Run# FD-FACE-161216-14
Model# H92KDF9PW6 N (PMUD3431A)
Phantom# ELI4 1050
Tissue Temp: 21.4 (C)
Serial# 837TSX2441
Antenna PMAD4088B
Test Freq: 141.5000 (MHz)
Battery PMNN4491A
Carry Acc: @ front
Audio Acc: NONE
Start Power: 5.65 (W)

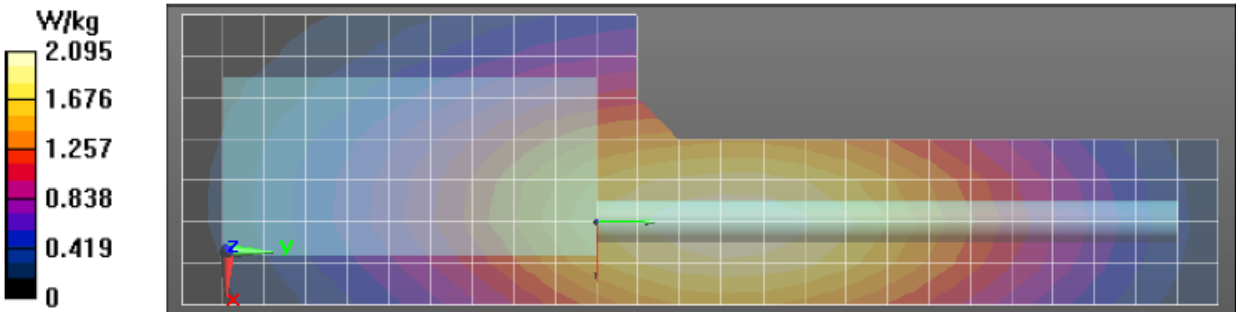
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 142 MHz; $\sigma = 0.74 \text{ S/m}$; $\epsilon_r = 52.1$; $\rho = 1000 \text{ kg/m}^3$
Probe: EX3DV4 - SN3612,, Frequency: 141.5 MHz, ConvF(9.9, 9.9, 9.9); Calibrated: 7/11/2016
Electronics: DAE4 Sn684, Calibrated: 4/29/2016

Below 2 GHz-Rev.2 2/Face Scan/1-Area Scan (71x251x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 54.27 V/m; Power Drift = -0.43 dB
Fast SAR: SAR(1 g) = 1.85 W/kg; SAR(10 g) = 1.44 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.10 W/kg

Below 2 GHz-Rev.2 2/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 54.27 V/m; Power Drift = -0.50 dB
Peak SAR (extrapolated) = 2.30 W/kg
SAR(1 g) = 1.71 W/kg; SAR(10 g) = 1.34 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.98 W/kg

Below 2 GHz-Rev.2 2/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.96 W/kg



Appendix G

Shortened Scan of Highest SAR configuration

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/19/2016 8:22:12 AM

Robot#: DASY 5-PG-1| Run#: FD-AB-161219-02
 Model#: H92KDF9PW6 N (PMUD3431A)
 Phantom#: ELI5 1150
 Tissue Temp: 21.8 (C)
 Serial#: 837TSX2441
 Antenna: PMAD4088B
 Test Freq: 150.8000 (MHz)
 Battery: PMNN4489A
 Carry Acc: PMLN7008A
 Audio Acc: None
 Start Power: 5.62 (W)

Comments: Shorten Scan

Duty Cycle: 1:1, Medium parameters used: $f = 151$ MHz; $\sigma = 0.8$ S/m; $\epsilon_r = 59.7$; $\rho = 1000$ kg/m³

Probe: EX3DV 4 - SN3612, , Frequency: 150.8 MHz, ConvF(9.42, 9.42, 9.42); Calibrated: 7/11/2016

Electronics: DAE4 Sr684, Calibrated: 4/29/2016

Below 2 GHz-Rev.2 2/Ab Scan/1-Area Scan (71x251x1): Interpolated grid: $\Delta x = 1.500$ mm,
 $\Delta y = 1.500$ mm

Reference Value = 38.52 V/m; Power Drift = -0.35 dB

Fast SAR: SAR(1 g) = 1.87 W/kg; SAR(10 g) = 1.24 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.35 W/kg

Below 2 GHz-Rev.2 2/Ab Scan/2-Volume 2D Scan (41x41x1): Interpolated grid: $\Delta x = 0.7500$
 mm, $\Delta y = 0.7500$ mm, $\Delta z = 1.000$ mm

Reference Value = 38.52 V/m; Power Drift = -0.42 dB

Fast SAR: SAR(1 g) = 2.24 W/kg; SAR(10 g) = 1.31 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.91 W/kg

Below 2 GHz-Rev.2 2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: $\Delta x = 20$ mm,
 $\Delta y = 20$ mm, $\Delta z = 10$ mm

Maximum value of SAR (measured) = 2.69 W/kg

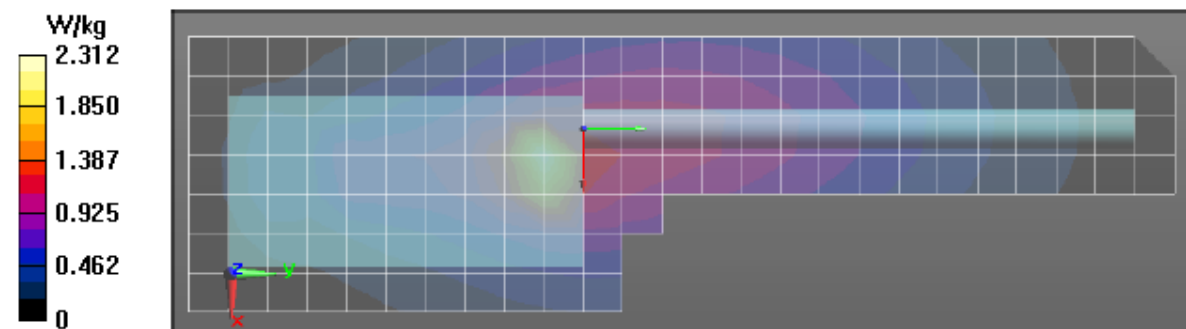
Below 2 GHz-Rev.2 2/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $\Delta x = 7.5$ mm,
 $\Delta y = 7.5$ mm, $\Delta z = 5$ mm

Reference Value = 51.93 V/m; Power Drift = -0.25 dB

Peak SAR (extrapolated) = 3.76 W/kg

SAR(1 g) = 1.64 W/kg; SAR(10 g) = 0.962 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.28 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)	SAR 10g (W/kg)
Shorten scan (zoom)	34	7	0.91	0.53
Full scan (area & zoom)	24	30	1.04	0.57

Appendix H

DUT Test Position Photos

Photos available in Exhibit 7B

Appendix I

DUT, Body worn and audio accessories Photos

Photos available in Exhibit 7B