



DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2

Enterprise Mobility Solutions
EME Test Laboratory
 Motorola Solutions Malaysia Sdn Bhd (455657-H)
 Customer Solution Center
 Plot 2, Bayan Lepas Technoplex Industrial Park,
 Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.

Date of Report: 03/29/13
Report Revision: O
Report ID: SAR rpt_PMUF1615A_Rev.O
 130329_SR11131

Responsible Engineer: Tan KaiYan (EME Engineer)
Report Author: Tan KaiYan (EME Engineer)
Date/s Tested: 12/26/2012-03/29/2013
Manufacturer/Location: Motorola, Penang
Sector/Group/Div.: PCR
Date submitted for test: 12/11/12
DUT Description: 8/900 2.5W NKP GPS BT GOB/NKP BT;
 8/900 2.5W FKP GPS BT GOB/FKP BT
Test TX mode(s): CW (PTT)
Max. Power output: 3 W (8/900 band), 10 dBm (Bluetooth)
Nominal Power: 2.5 W (8/900 band), 2.5 dBm (Bluetooth)
Tx Frequency Bands: 806-825MHz, 851-870MHz, 896-902MHz, 935-941MHz, 2.402-2.480 GHz
 (Bluetooth)
Signaling type: FM
Model(s) Tested: PMUF1615A
Model(s) Certified: PMUF1615A and PMUF1614A
Serial Number(s): 126TNX0235
Classification: Occupational/Controlled
FCC ID: ABZ99FT5014; Rule Part 90 (806-824 MHz, 851-869 MHz, 896-901 MHz & 935-940 MHz); Rule Part 15 (2402-2480 MHz)
IC: 109AB-99FT5014; (806-824 MHz, 851-869 MHz, 896-901 MHz, 935-940 MHz & 2402-2480 MHz)

** Refer to section 15 of part 1 for highest SAR summary results.*

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 47 CFR 2.1093(d). 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 3.0 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.

Deborah Zakaria
EMS EME Lab Senior Resource Manager,
Laboratory Director
Approval Date: 4/3/2013

Certification Date: 4/3/2013
Certification No.: L1130309 & L1130306

Appendix D

Test System Check Scans

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Date/Time: 12/26/2012 7:59:50 AM

Robot#: DASY4-PG-1 | Run#: CeC-SYSP-900B-121226-01
 Dipole Model#: D900V2
 Phantom#: ELI4 1050
 Tissue Temp: 21.4 (C)
 Serial#: 1d025
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.036 dB
 Adjusted SAR (1W): 10.88mW/g (1g)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.720 mW/g (1g); 1.760 mW/g (10g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.07$ mho/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)
 Electronics: DAE3 Sn374, Calibrated: 4/24/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 33.0 V/m; Power Drift = -0.00573 dB

Peak SAR (extrapolated) = 4.03 W/kg

SAR(1 g) = 2.72 mW/g; SAR(10 g) = 1.76 mW/g

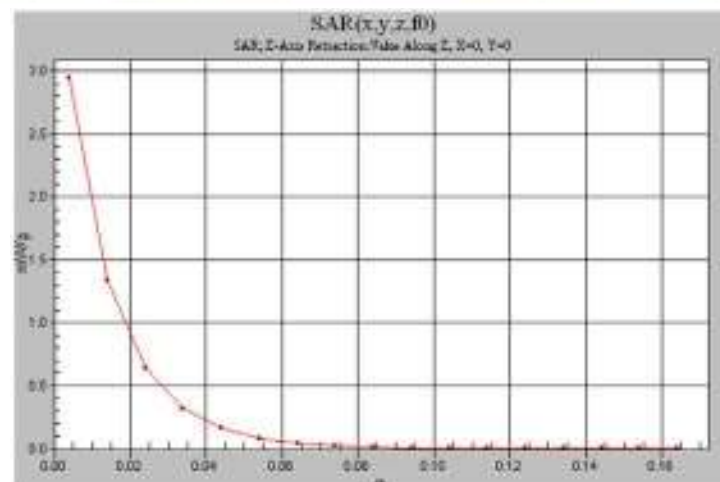
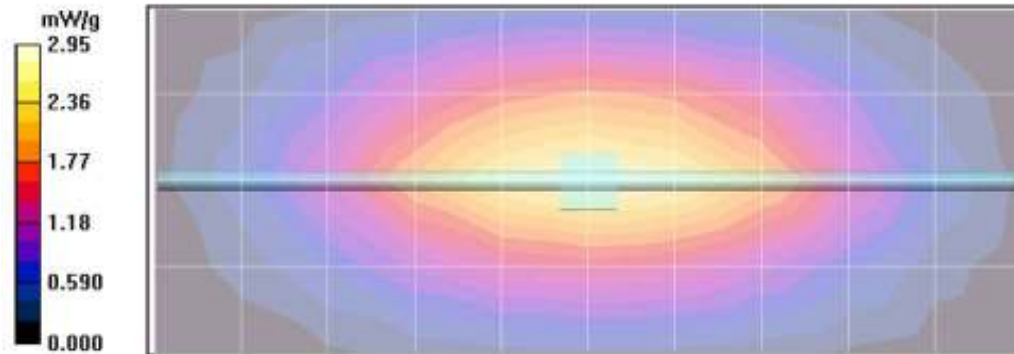
Maximum value of SAR (measured) = 2.94 mW/g

System Performance Check/Dipole Area Scan 2 (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.93 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 2.95 mW/g



Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/27/2012 6:57:22 AM

Robot#: DASY4-PG-1 | Run#: CcC-SYSP-900B-121227-01
 Dipole Model#: D900V2
 Phantom#: ELI4 1050
 Tissue Temp: 21.5 (C)
 Serial#: 1d025
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.034 dB
 Adjusted SAR (1W): 10.96 mW/g (1g)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.740 mW/g (1g); 1.770 mW/g (10g)

Comments:

Duty Cycle: 1:1. Medium parameters used: $f = 900$ MHz; $\sigma = 1.07$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

Electronics: DAE3 Sn374, Calibrated: 4/24/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 53.6 V/m; Power Drift = 0.00655 dB

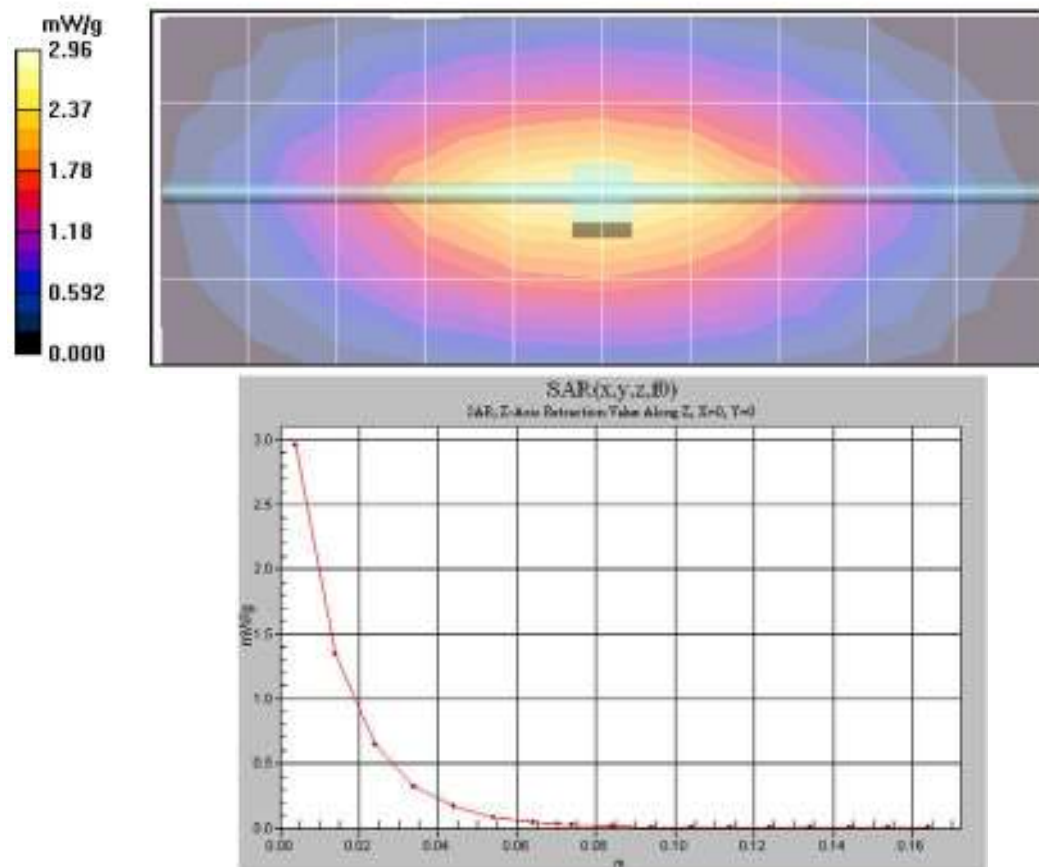
Peak SAR (extrapolated) = 4.08 W/kg

SAR(1 g) = 2.74 mW/g; SAR(10 g) = 1.77 mW/g

Maximum value of SAR (measured) = 2.96 mW/g

System Performance Check/Dipole Area Scan 2 (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.94 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm


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Date/Time: 1/15/2013 7:27:42 AM

Robot#: DASY4-PG-1 | Run#: PS-SYSP-900B-130115-01
 Dipole Model#: D900V2
 Phantom#: EL14 1028
 Tissue Temp: 21.3 (C)
 Serial#: 1d025
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.09 dB
 Adjusted SAR (1W): 10.64 mW/g (1g)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.660 mW/g (1g); 1.720 mW/g (10g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.06$ mho/m; $\epsilon_r = 54.9$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)
 Electronics: DAE3 Sn374, Calibrated: 4/24/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 52.8 V/m; Power Drift = -0.0141 dB

Peak SAR (extrapolated) = 3.94 W/kg

SAR(1 g) = 2.66 mW/g; SAR(10 g) = 1.72 mW/g

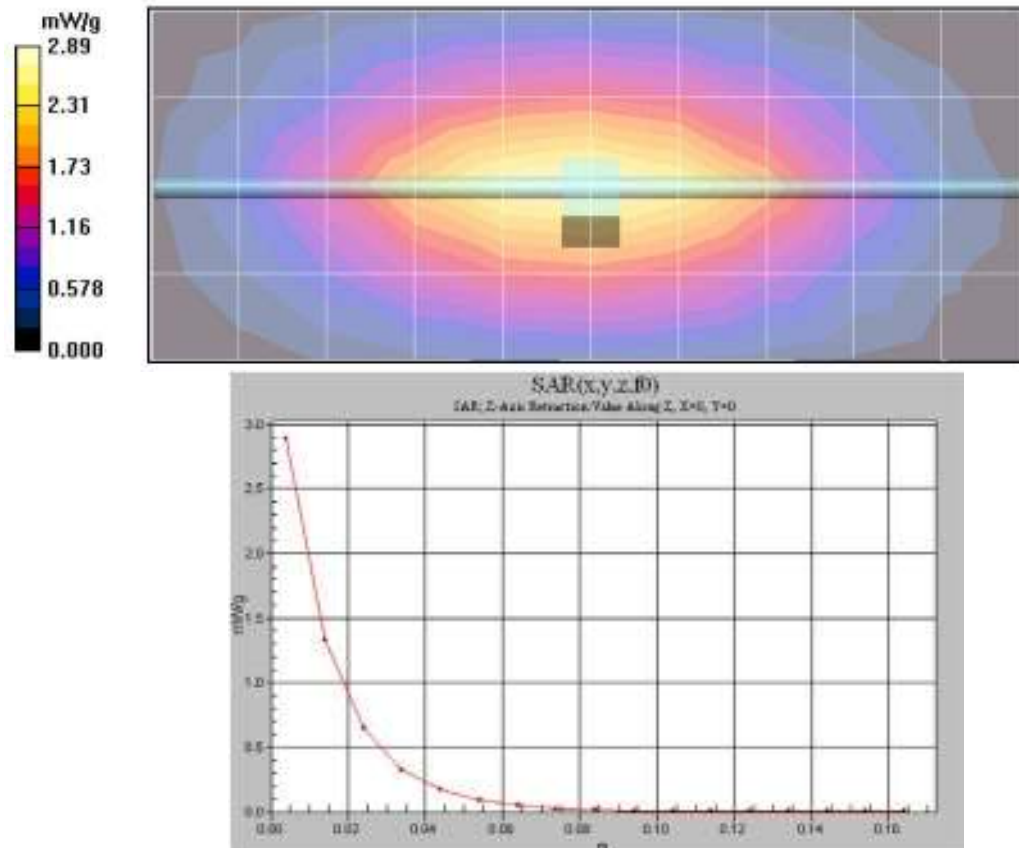
Maximum value of SAR (measured) = 2.88 mW/g

System Performance Check/Dipole Area Scan 2 (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.87 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 2.89 mW/g



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Date/Time: 1/16/2013 6:35:03 AM

Robot#: DASY4-PG-1 | Run#: PS-SYSP-900B-130116-01
 Dipole Model#: D900V2
 Phantom#: ELL14 1028
 Tissue Temp: 21.4 (C)
 Serial#: 1d025
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.043 dB
 Adjusted SAR (1W): 10.48 mW/g (1g)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.620 mW/g (1g); 1.700 mW/g (10g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.06$ mho/m; $\epsilon_r = 54.9$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)
 Electronics: DAE3 Sn374, Calibrated: 4/24/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 52.2 V/m; Power Drift = 0.0192 dB

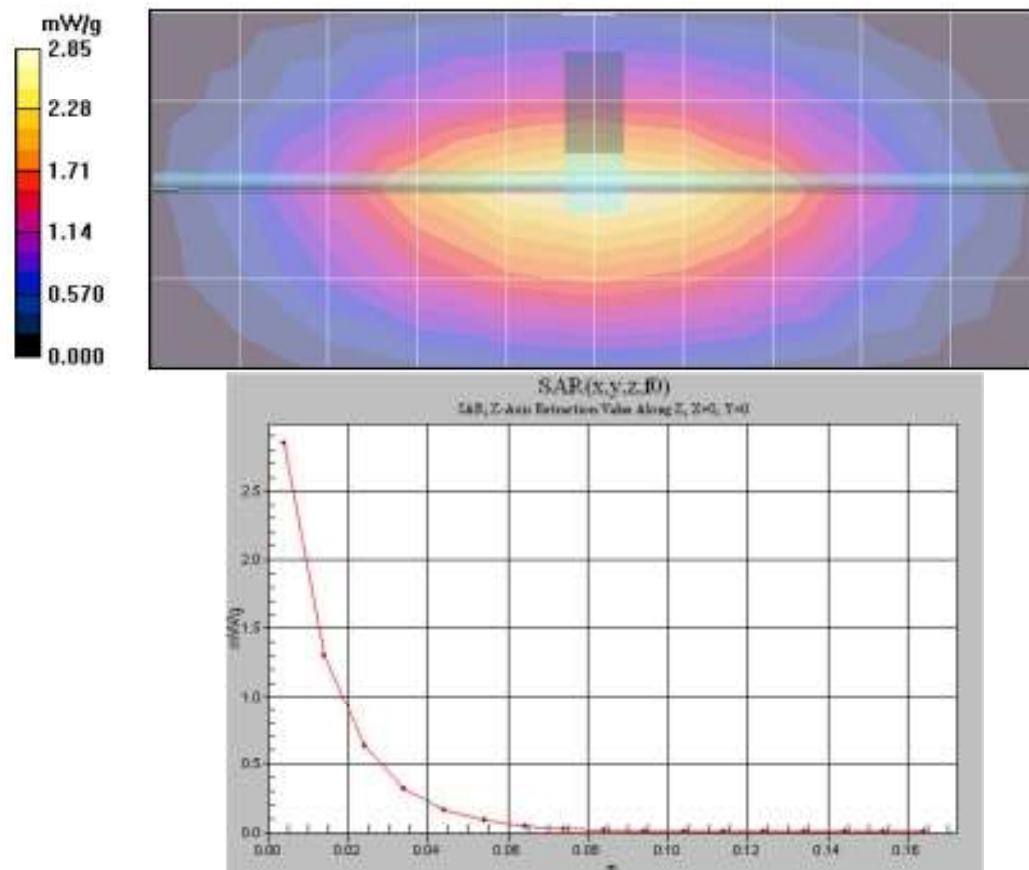
Peak SAR (extrapolated) = 3.88 W/kg

SAR(1 g) = 2.62 mW/g; SAR(10 g) = 1.7 mW/g

Maximum value of SAR (measured) = 2.85 mW/g

System Performance Check/Dipole Area Scan 2 (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.83 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

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Date/Time: 1/17/2013 6:41:22 AM

Robot#: DASY4-PG-1 | Run#: PS-SYSP-900B-130117-01
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.5 (C)
 Serial#: 1d025
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.046 dB
 Adjusted SAR (1W): 10.52 mW/g (1g)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.630 mW/g (1g); 1.700 mW/g (10g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.06$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

Electronics: DAE3 Sn374, Calibrated: 4/24/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 52.7 V/m; Power Drift = -0.0127 dB

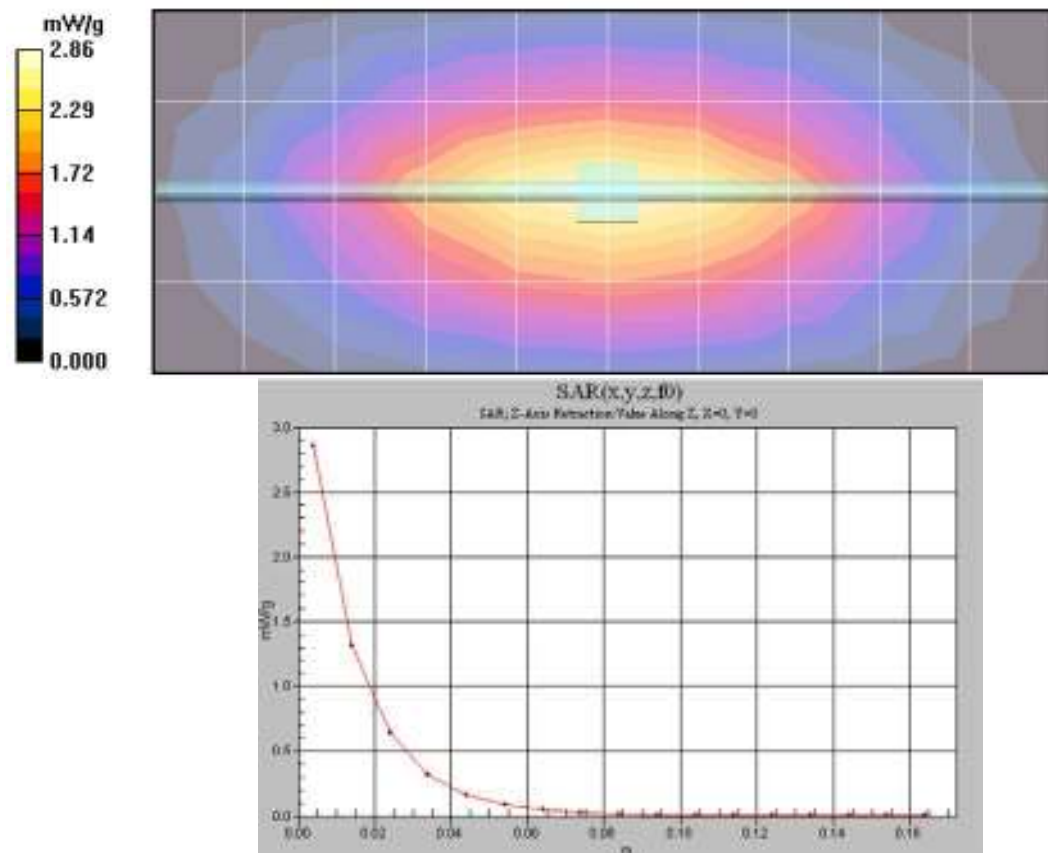
Peak SAR (extrapolated) = 3.91 W/kg

SAR(1 g) = 2.63 mW/g; SAR(10 g) = 1.7 mW/g

Maximum value of SAR (measured) = 2.86 mW/g

System Performance Check/Dipole Area Scan 2 (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.83 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

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Date/Time: 1/18/2013 7:06:54 AM

Robot#: DASY4-PG-1 | Run#: PS-SYSP-900B-130118-01
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.5 (C)
 Serial#: 1d025
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.048 dB
 Adjusted SAR (1W): 10.52 mW/g (1g)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.630 mW/g (1g); 1.700 mW/g (10g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.06$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

Electronics: DAE3 Sn374, Calibrated: 4/24/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 52.2 V/m; Power Drift = -0.00975 dB

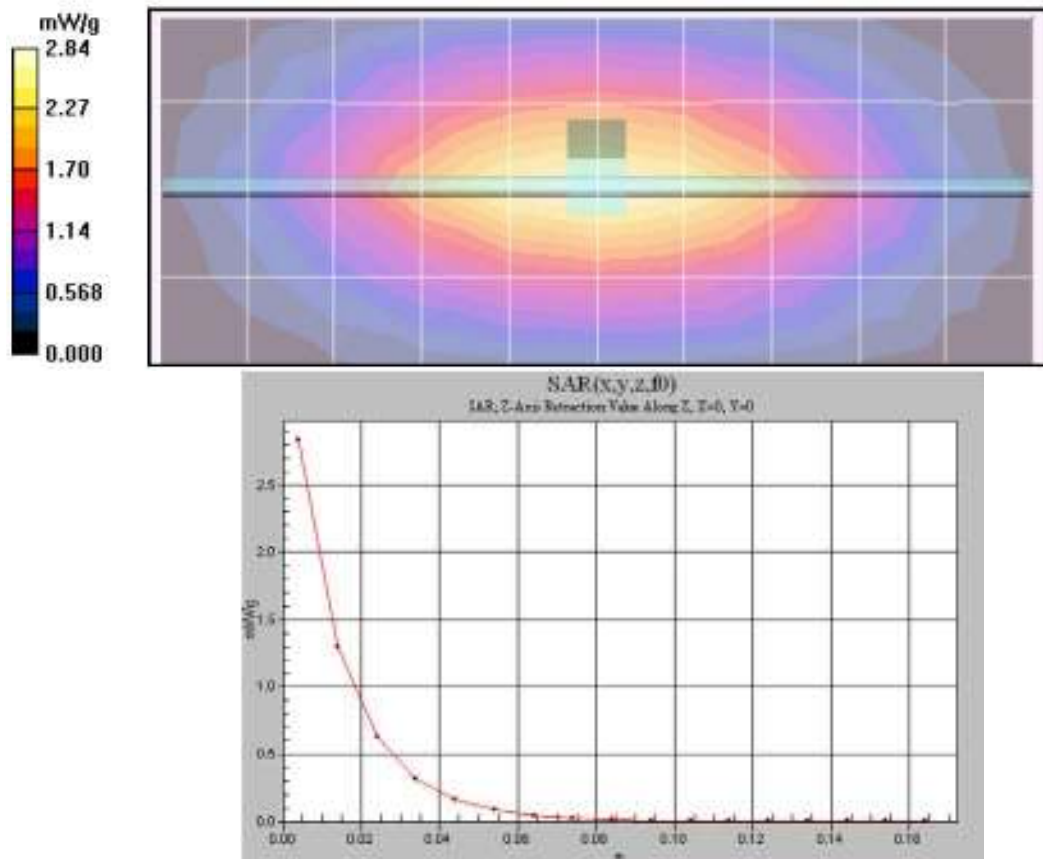
Peak SAR (extrapolated) = 3.90 W/kg

SAR(1 g) = 2.63 mW/g; SAR(10 g) = 1.7 mW/g

Maximum value of SAR (measured) = 2.85 mW/g

System Performance Check/Dipole Area Scan 2 (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.84 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/21/2013 8:19:20 AM

Robot#: DASY4-PG-1 | Run#: CcC-SYSP-900B-130121-01
Dipole Model#: D900V2
Phantom#: ELI4 1028
Tissue Temp: 21.8 (C)
Serial#: 1d025
Test Freq: 900 (MHz)
Start Power: 250 (mW)
Rotation (1D): 0.038 dB
Adjusted SAR (1W): 10.60 mW/g (1g)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.650 mW/g (1g); 1.710 mW/g (10g)

Comments:

Duty Cycle: 1:1; Medium parameters used: $f = 900$ MHz; $\sigma = 1.07$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

Electronics: DAE3 Sn374, Calibrated: 4/24/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 52.4 V/m; Power Drift = -0.0133 dB

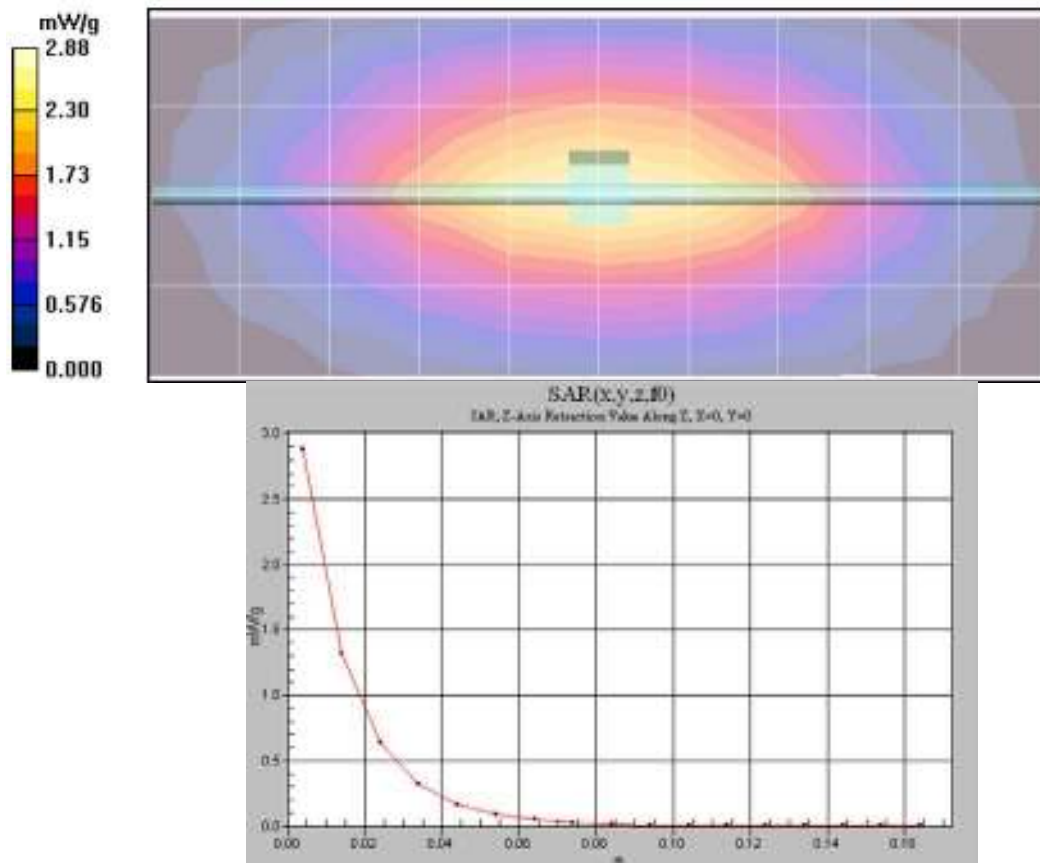
Peak SAR (extrapolated) = 3.93 W/kg

SAR(1 g) = 2.65 mW/g; SAR(10 g) = 1.71 mW/g

Maximum value of SAR (measured) = 2.88 mW/g

System Performance Check/Dipole Area Scan 2 (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.85 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/22/2013 7:42:08 AM

Robot#: DASY4-PG-1 | Run#: CcC-SYSP-900B-130122-01
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.3 (C)
 Serial#: 1d025
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.039 dB
 Adjusted SAR (1W): 10.56 mW/g (1g)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.640 mW/g (1g); 1.700 mW/g (10g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.06$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

Electronics: DAE3 Sn374, Calibrated: 4/24/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 52.4 V/m; Power Drift = -0.00967 dB

Peak SAR (extrapolated) = 3.90 W/kg

SAR(1 g) = 2.64 mW/g; SAR(10 g) = 1.7 mW/g

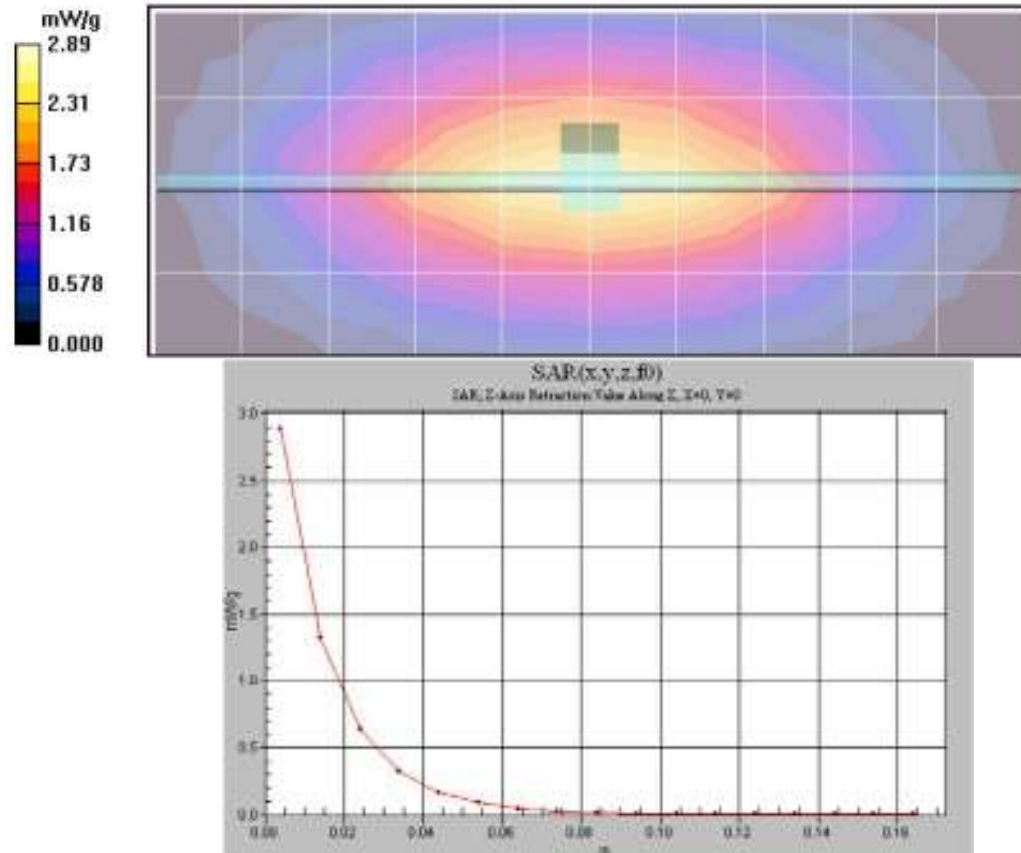
Maximum value of SAR (measured) = 2.87 mW/g

System Performance Check/Dipole Area Scan 2 (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.85 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 2.89 mW/g



Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/23/2013 7:00:16 AM

Robot#: DASY4-PG-1 | Run#: CcC-SYSP-900B-130123-01
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.1 (C)
 Serial#: 1d025
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.05 dB
 Adjusted SAR (1W): 10.60 mW/g (1g)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.650 mW/g (1g); 1.720 mW/g (10g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.06$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

Electronics: DAE3 Sn374, Calibrated: 4/24/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 52.6 V/m; Power Drift = -0.00342 dB

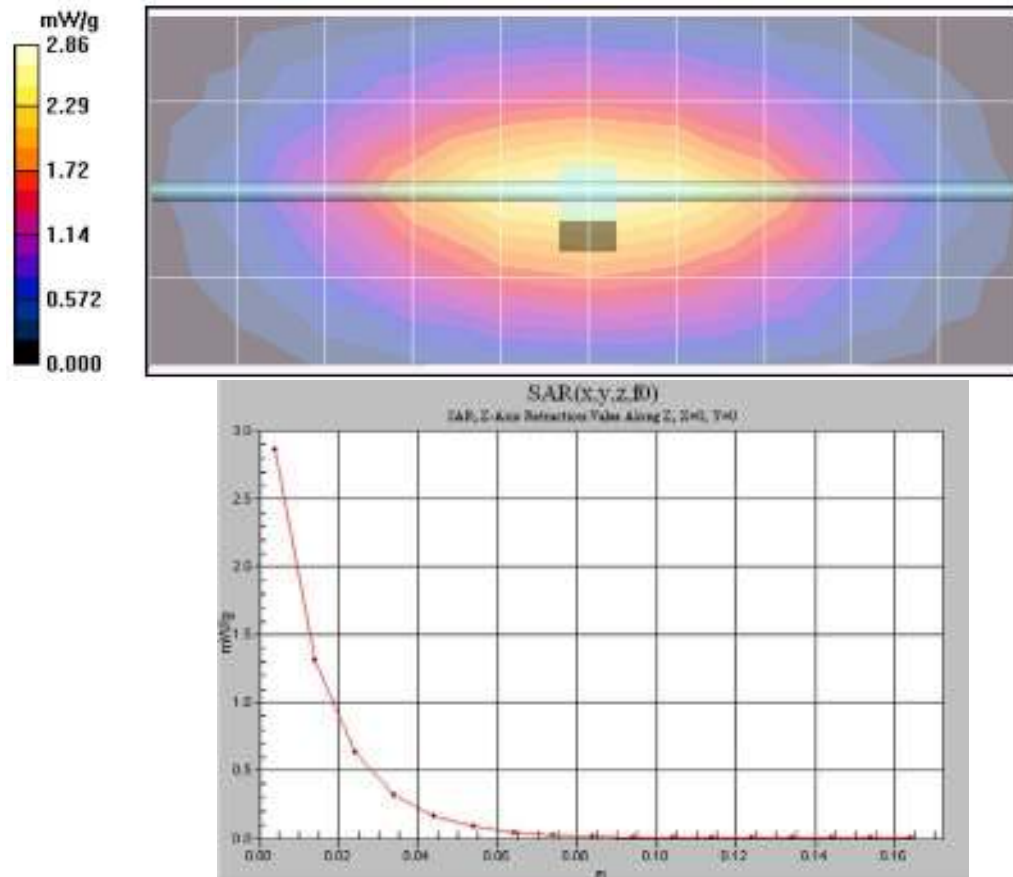
Peak SAR (extrapolated) = 3.93 W/kg

SAR(1 g) = 2.65 mW/g; SAR(10 g) = 1.72 mW/g

Maximum value of SAR (measured) = 2.88 mW/g

System Performance Check/Dipole Area Scan 2 (5x11x1): Measurement grid: dx=15mm, dy=15mm**System Performance Check/Z-Axis Retraction (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 2.86 mW/g



Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/23/2013 3:52:50 PM

Robot#: DASY4-PG-1 | Run#: Lee-SYSP-900H-130123-13
 Dipole Model#: D900V2
 Phantom#: ELL4 1050
 Tissue Temp: 21.0 (C)
 Serial#: 1d025
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.048 dB
 Adjusted SAR (1W): 10.16 mW/g (1g)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.540 mW/g (1g); 1.620 mW/g (10g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.22, 6.22, 6.22)

Electronics: DAE3 Sn374, Calibrated: 4/24/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 53.8 V/m; Power Drift = -0.0161 dB

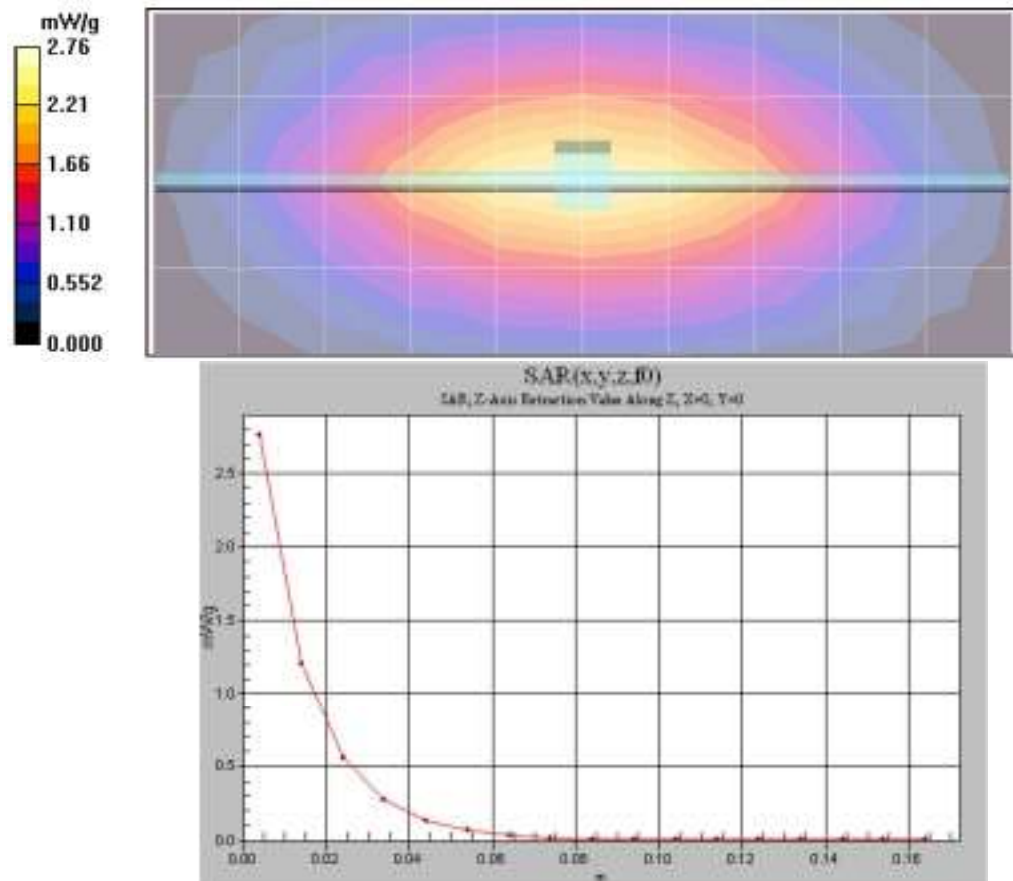
Peak SAR (extrapolated) = 3.80 W/kg

SAR(1 g) = 2.54 mW/g; SAR(10 g) = 1.62 mW/g

Maximum value of SAR (measured) = 2.76 mW/g

System Performance Check/Dipole Area Scan 2 (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.74 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/25/2013 6:51:28 AM

Robot#: DASY4-PG-1 | Run#: CcC-SYSP-900B-130125-01
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 20.8 (C)
 Serial#: 1d025
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.038 dB
 Adjusted SAR (1W): 10.56 mW/g (1g)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.640 mW/g (1g); 1.710 mW/g (10g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.06$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

Electronics: DAE3 Sn374, Calibrated: 4/24/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 52.7 V/m; Power Drift = -0.0136 dB

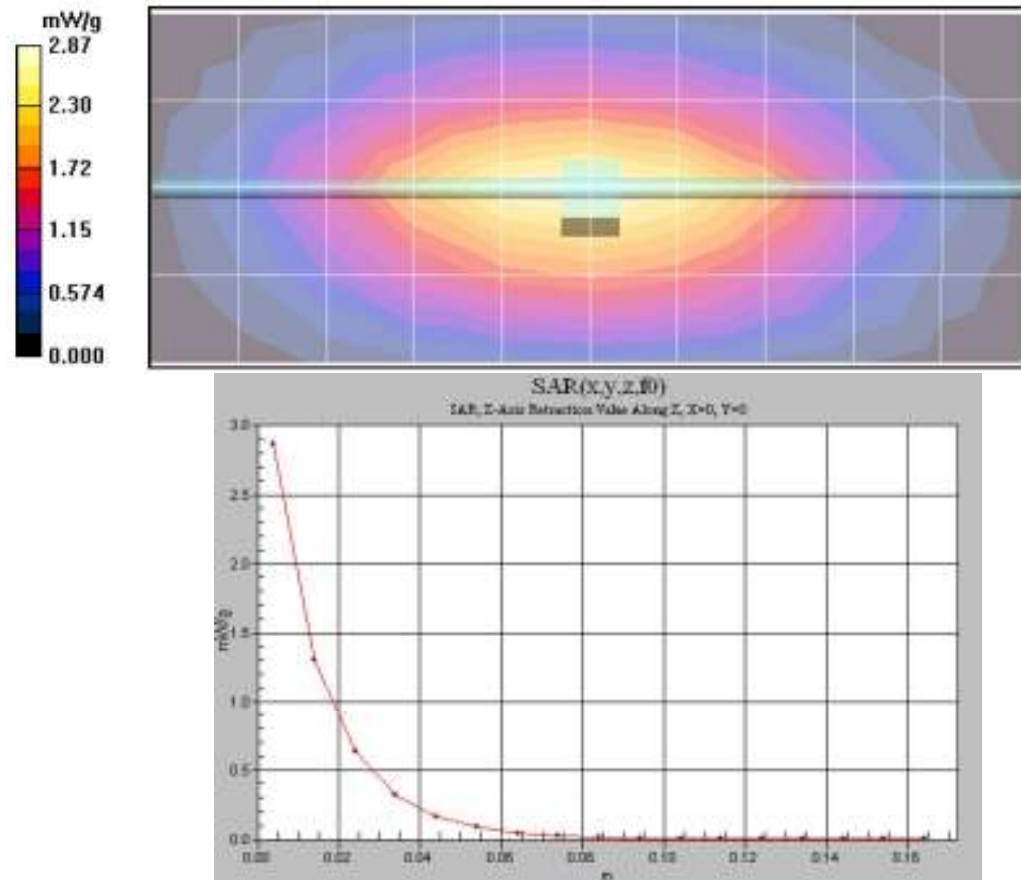
Peak SAR (extrapolated) = 3.91 W/kg

SAR(1 g) = 2.64 mW/g; SAR(10 g) = 1.71 mW/g

Maximum value of SAR (measured) = 2.87 mW/g

System Performance Check/Dipole Area Scan 2 (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.84 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/29/2013 6:49:47 AM

Robot#: DASY4-PG-1 | Run#: PS-SYSP-900B-130129-01
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.6 (C)
 Serial#: 1d025
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (ID): 0.04 dB
 Adjusted SAR (1W): 10.40 mW/g (1g)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.600 mW/g (1g); 1.680 mW/g (10g)

Comments:

Duty Cycle: 1:1. Medium parameters used: $f = 900$ MHz; $\sigma = 1.05$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122. Calibrated: 4/26/2012. ConvF(6.06, 6.06, 6.06)
 Electronics: DAE3 Sa374. Calibrated: 4/24/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 52.3 V/m; Power Drift = 0.0192 dB

Peak SAR (extrapolated) = 3.86 W/kg

SAR(1 g) = 2.6 mW/g; SAR(10 g) = 1.68 mW/g

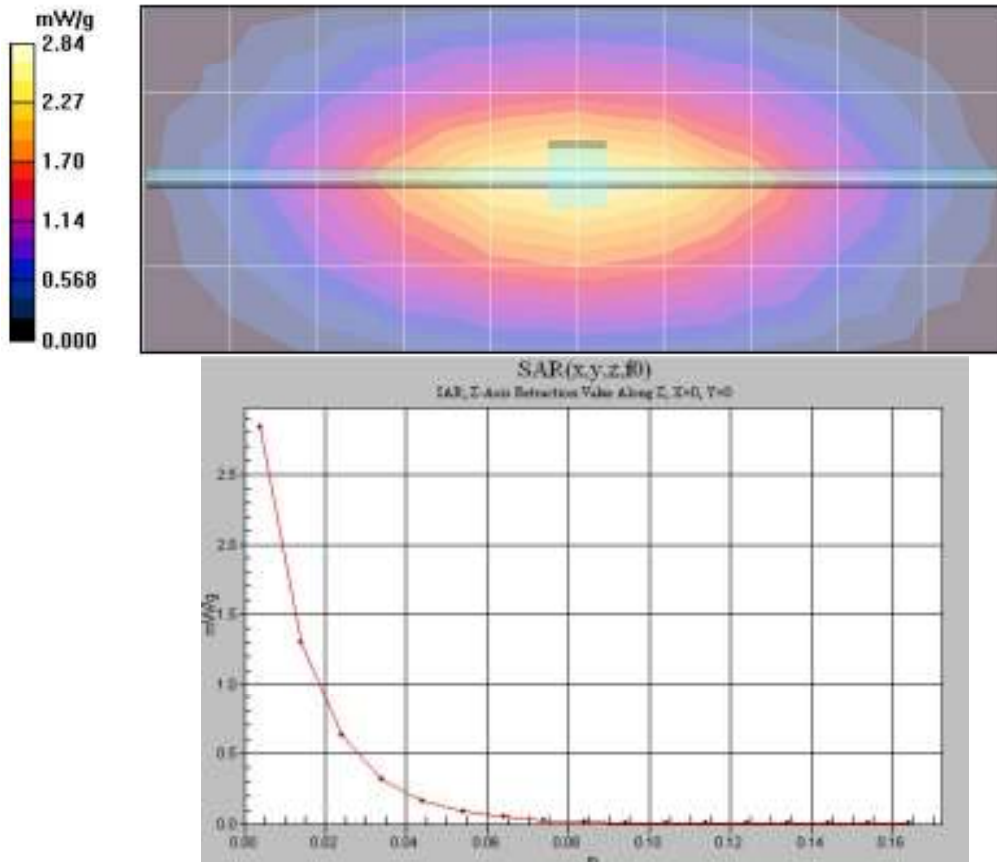
Maximum value of SAR (measured) = 2.83 mW/g

System Performance Check/Dipole Area Scan 2 (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.80 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 2.84 mW/g



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Date/Time: 1/30/2013 6:43:37 AM

Robot#: DASY4-PG-1 | Run#: PS-SYSP-900B-130130-01
 Dipole Model#: D900V2
 Phantom#: ELL14 1028
 Tissue Temp: 21.4 (C)
 Serial#: 1d025
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.044 dB
 Adjusted SAR (1W): 10.64 mW/g (1g)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.660 mW/g (1g); 1.710 mW/g (10g)

Comments:

Duty Cycle: 1:1. Medium parameters used: $f = 900$ MHz; $\sigma = 1.05$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)
 Electronics: DAE3 Sn374, Calibrated: 4/24/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 52.9 V/m; Power Drift = -0.00542 dB

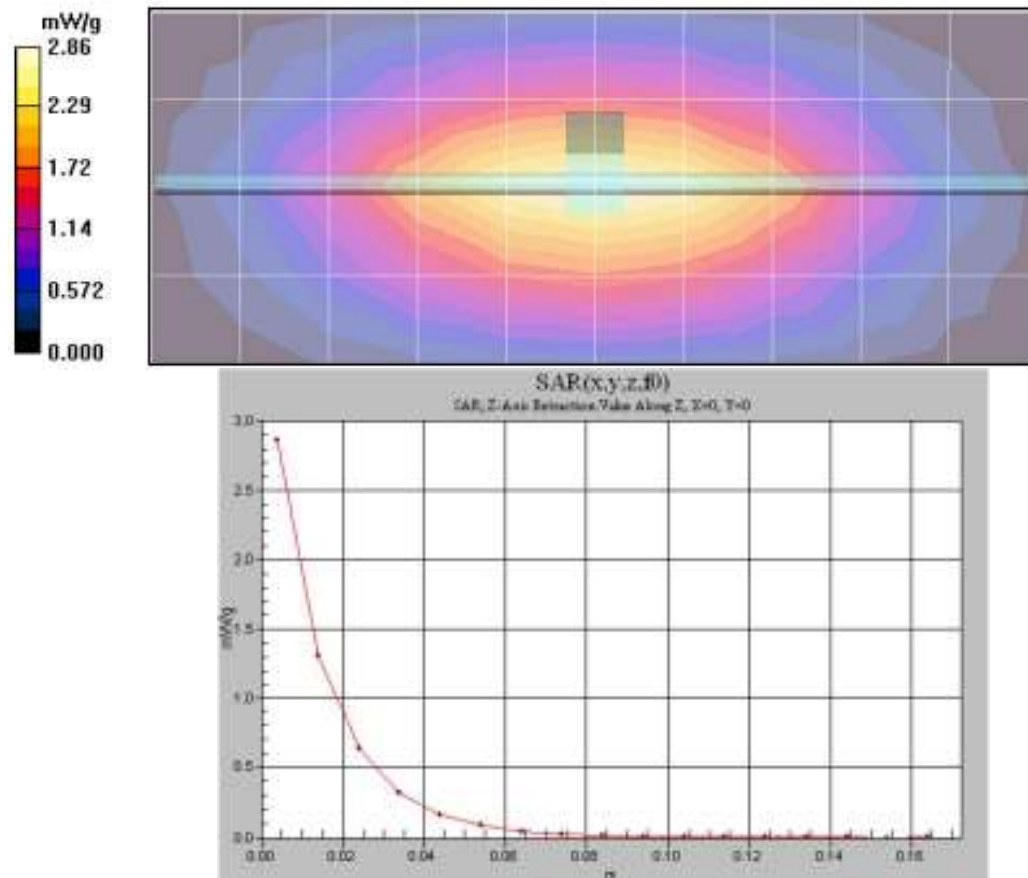
Peak SAR (extrapolated) = 3.95 W/kg

SAR(1 g) = 2.66 mW/g; SAR(10 g) = 1.71 mW/g

Maximum value of SAR (measured) = 2.89 mW/g

System Performance Check/Dipole Area Scan 2 (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.86 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/31/2013 7:06:20 AM

Robot#: DASY4-PG-1 | Run#: PS-SYSP-900B-130131-01
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.3 (C)
 Serial#: 1d025
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.042 dB
 Adjusted SAR (1W): 10.52 mW/g (1g)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.630 mW/g (1g); 1.700 mW/g (10g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.05$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)
 Electronics: DAE3 Sn374, Calibrated: 4/24/2012

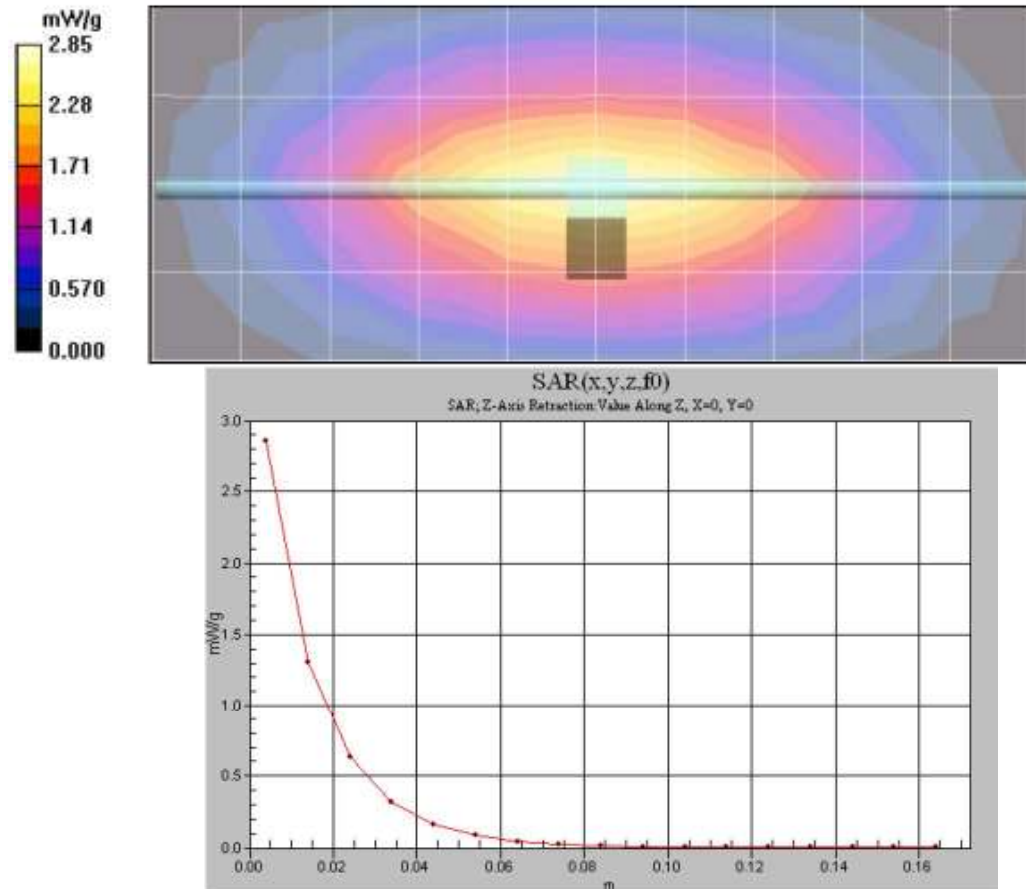
System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 52.5 V/m; Power Drift = -0.00774 dB

Peak SAR (extrapolated) = 3.89 W/kg

SAR(1 g) = 2.63 mW/g; SAR(10 g) = 1.7 mW/g

Maximum value of SAR (measured) = 2.85 mW/g

System Performance Check/Dipole Area Scan 2 (5x11x1): Measurement grid: dx=15mm, dy=15mm**System Performance Check/Z-Axis Retraction (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/1/2013 6:30:41 AM

Robot#: DASY4-PG-1 | Run#: PS-SYSP-900B-130201-01
 Dipole Model#: D900V2
 Phantom#: EL14 1028
 Tissue Temp: 21.3 (C)
 Serial#: 1d025
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.038 dB
 Adjusted SAR (1W): 10.52 mW/g (1g)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.630 mW/g (1g); 1.700 mW/g (10g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.05$ mho/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

Electronics: DAE3 Sn374, Calibrated: 4/24/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 52.7 V/m; Power Drift = -0.00474 dB

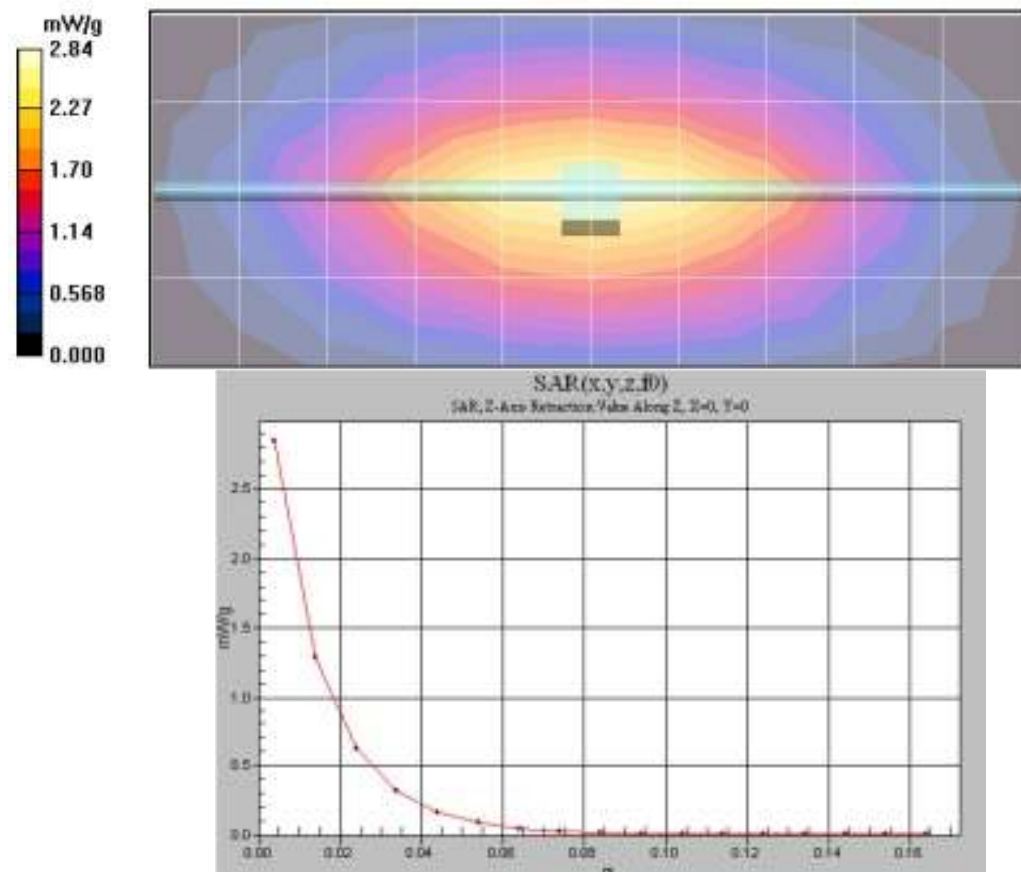
Peak SAR (extrapolated) = 3.90 W/kg

SAR(1 g) = 2.63 mW/g; SAR(10 g) = 1.7 mW/g

Maximum value of SAR (measured) = 2.84 mW/g

System Performance Check/Dipole Area Scan 2 (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.83 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/4/2013 7:05:29 AM

Robot#: DASY4-PG-1 | Run#: CcC-SYSP-900H-130204-01
 Dipole Model#: D900V2
 Phantom#: ELI4 1050
 Tissue Temp: 20.8 (C)
 Serial#: 1d025
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.015 dB
 Adjusted SAR (1W): 10.56 mW/g (1g)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.640 mW/g (1g); 1.680 mW/g (10g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(5.9, 5.9, 5.9)
 Electronics: DAE4 Sn684, Calibrated: 12/17/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 54.5 V/m; Power Drift = 0.0136 dB

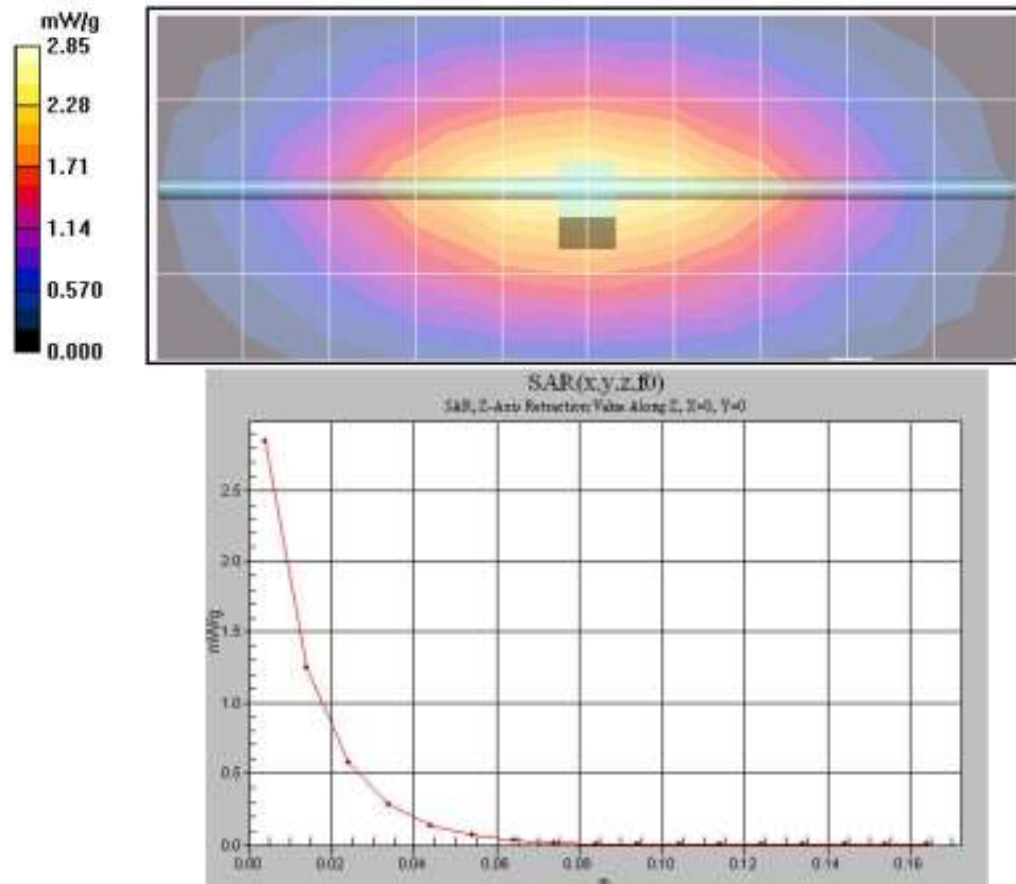
Peak SAR (extrapolated) = 3.98 W/kg

SAR(1 g) = 2.64 mW/g; SAR(10 g) = 1.68 mW/g

Maximum value of SAR (measured) = 2.86 mW/g

System Performance Check/Dipole Area Scan 2 (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.85 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/4/2013 12:09:18 PM

Robot#: DASY4-PG-1 | Run#: Lee-SYSP-900B-130204-10
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 20.9 (C)
 Serial#: 1d025
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.026 dB
 Adjusted SAR (1W): 10.66 mW/g (1g)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.666 mW/g (1g); 1.706 mW/g (10g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.04$ mho/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(5.82, 5.82, 5.82)
 Electronics: DAE4 Sn684, Calibrated: 12/17/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 53.1 V/m; Power Drift = -0.00397 dB

Peak SAR (extrapolated) = 3.97 W/kg

SAR(1 g) = 2.65 mW/g; SAR(10 g) = 1.7 mW/g

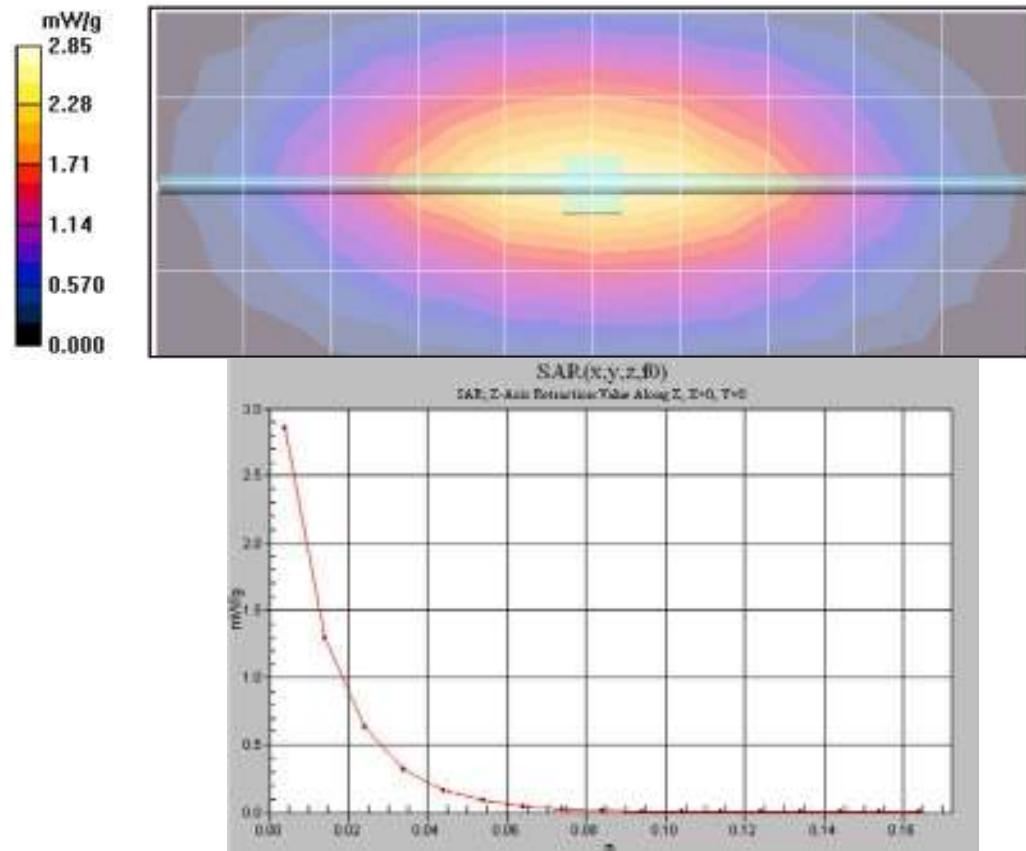
Maximum value of SAR (measured) = 2.87 mW/g

System Performance Check/Dipole Area Scan 2 (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.83 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 2.85 mW/g



Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/5/2013 6:59:53 AM

Robot#: DASY4-PG-1 | Run#: CeC-SYSP-900B-130205-01
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.3 (C)
 Serial#: 1d025
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.031 dB
 Adjusted SAR (1W): 10.50 mW/g (1g)

Note:
 Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.625 mW/g (1g); 1.686 mW/g (10g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.04$ mho/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(5.82, 5.82, 5.82)
 Electronics: DAE4 Sn684, Calibrated: 12/17/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 52.6 V/m; Power Drift = 0.0083 dB

Peak SAR (extrapolated) = 3.90 W/kg

SAR(1 g) = 2.61 mW/g; SAR(10 g) = 1.68 mW/g

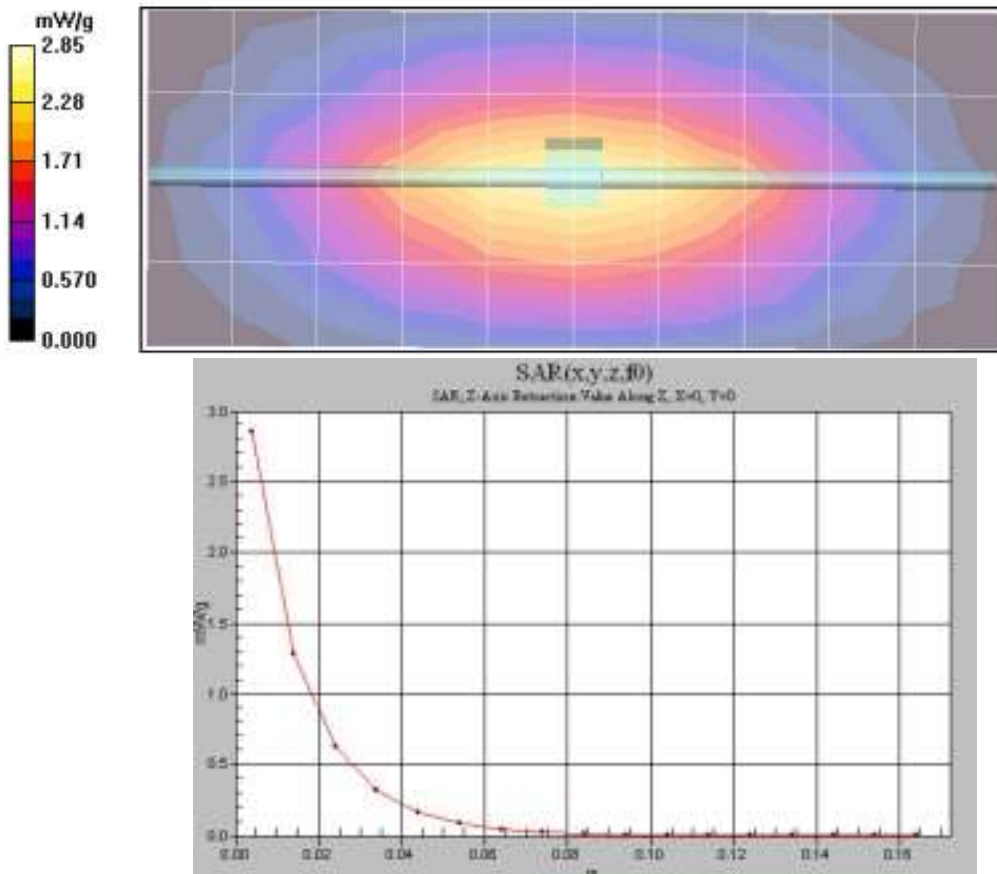
Maximum value of SAR (measured) = 2.83 mW/g

System Performance Check/Dipole Area Scan 2 (5x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.79 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 2.85 mW/g



Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/22/2013 1:46:53 PM

Robot#: DASY5-PG-2 | Run#: Lee-SYSP-900B-130222-04
 Dipole Model#: D900V2
 Phantom#: ELL4 1028
 Tissue Temp: 20.5 (C)
 Serial#: 1d026
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.040 dB
 Adjusted SAR (1W): 10.48 mW/g (1g)

Comments:

Duty Cycle: 1:1. Medium parameters used: $f = 900$ MHz; $\sigma = 1.07$ mho/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3274, ConvF(5.98, 5.98, 5.98); Calibrated: 11/13/2012
 Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Below 3 GHz-Rev.4a/System Performance Check/Dipole Area Scan 2 (5x11x1):

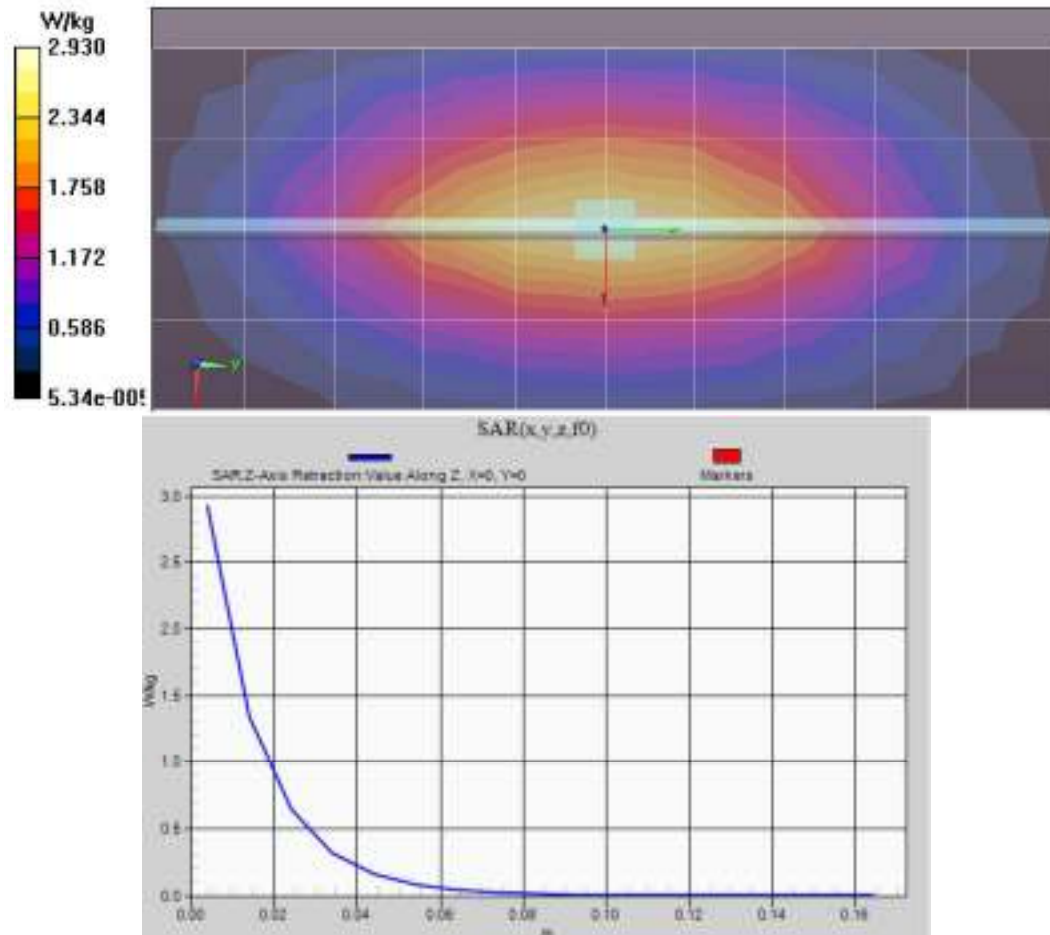
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.91 W/kg

Below 3 GHz-Rev.4a/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 53.028 V/m; Power Drift = -0.00 dB
 Peak SAR (extrapolated) = 3.918 mW/g
 SAR(1 g) = 2.62 mW/g; SAR(10 g) = 1.71 mW/g (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.93 W/kg

Below 3 GHz-Rev.4a/System Performance Check/Z-Axis Retraction (1x1x17):

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



Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/25/2013 6:41:35 AM

Robot#: DASY5-PG-2 | Run#: PS-SYSP-900B-130225-01
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.2 (C)
 Serial#: 1d026
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.039 dB
 Adjusted SAR (1W): 10.44 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.06$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3274, . ConvF(5.98, 5.98, 5.98); Calibrated: 11/13/2012
 Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Below 3 GHz-Rev.4a/System Performance Check/Dipole Area Scan 2 (5x11x1):

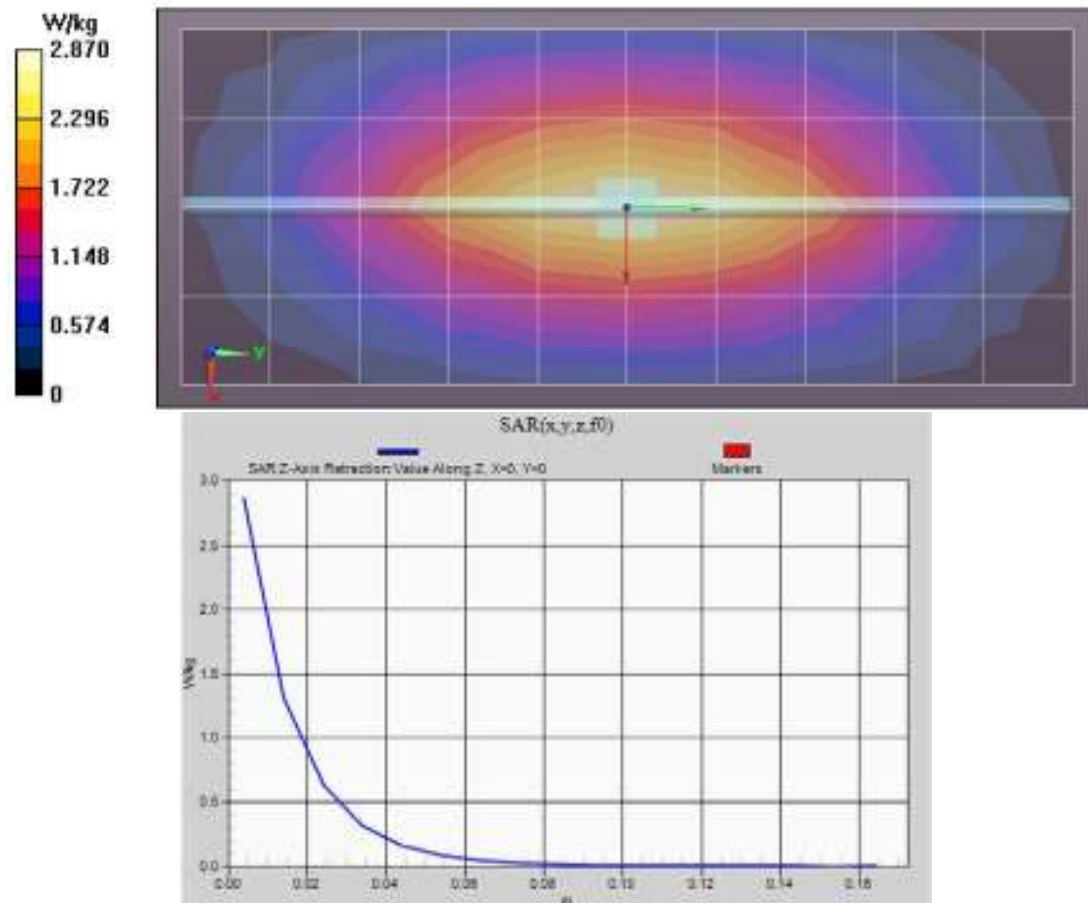
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.86 W/kg

Below 3 GHz-Rev.4a/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 52.868 V/m; Power Drift = 0.00 dB
 Peak SAR (extrapolated) = 3.862 mW/g
SAR(1 g) = 2.61 mW/g; SAR(10 g) = 1.7 mW/g (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.87 W/kg

Below 3 GHz-Rev.4a/System Performance Check/Z-Axis Retraction (1x1x17):

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



Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/26/2013 6:44:03 AM

Robot#: DASY5-PG-2 | Run#: PS-SYSP-900B-130226-01
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 20.9 (C)
 Serial#: 1d026
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.042 dB
 Adjusted SAR (1W): 10.40 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.05$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 + SN3274, ConvF(5.98, 5.98, 5.98); Calibrated: 11/13/2012
 Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Below 3 GHz-Rev.4a/System Performance Check/Dipole Area Scan 2 (5x11x1):

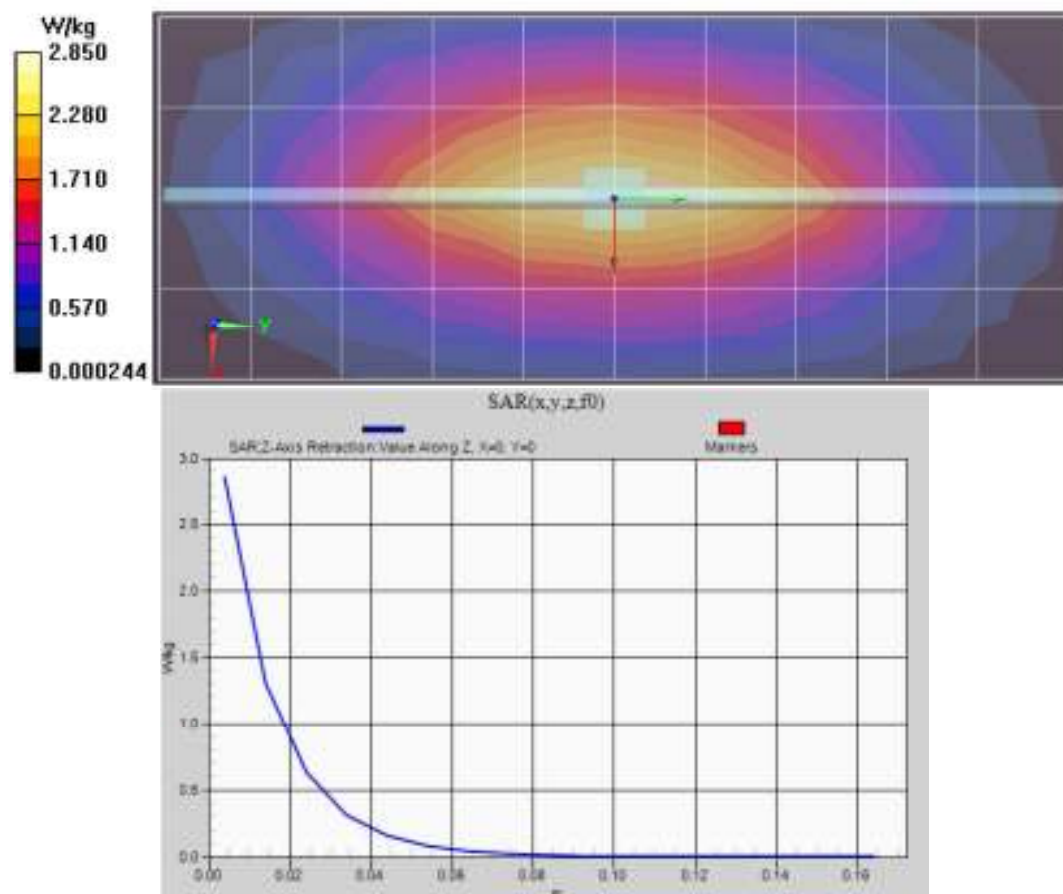
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.83 W/kg

Below 3 GHz-Rev.4a/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 52.632 V/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 3.827 mW/g
SAR(1 g) = 2.6 mW/g; SAR(10 g) = 1.69 mW/g (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.86 W/kg

Below 3 GHz-Rev.4a/System Performance Check/Z-Axis Retraction (1x1x17):

Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 2.85 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/26/2013 5:37:45 PM

Robot#: DASY5-PG-2 | Run#: CoC-SYSP-2450B-130226-16
 Dipole Model#: D2450V2
 Phantom#: ELI5 1150
 Tissue Temp: 20.9 (C)
 Serial#: 782
 Test Freq: 2450 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.042 dB
 Adjusted SAR (1W): 53.20 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 47.5$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3274, ConvF(4.27, 4.27, 4.27); Calibrated: 11/13/2012

Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Below 3 GHz-Rev.4a/System Performance Check/Dipole Area Scan 2 (5x5x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 15.0 W/kg

Below 3 GHz-Rev.4a/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

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

Reference Value = 88.828 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 29.705 mW/g

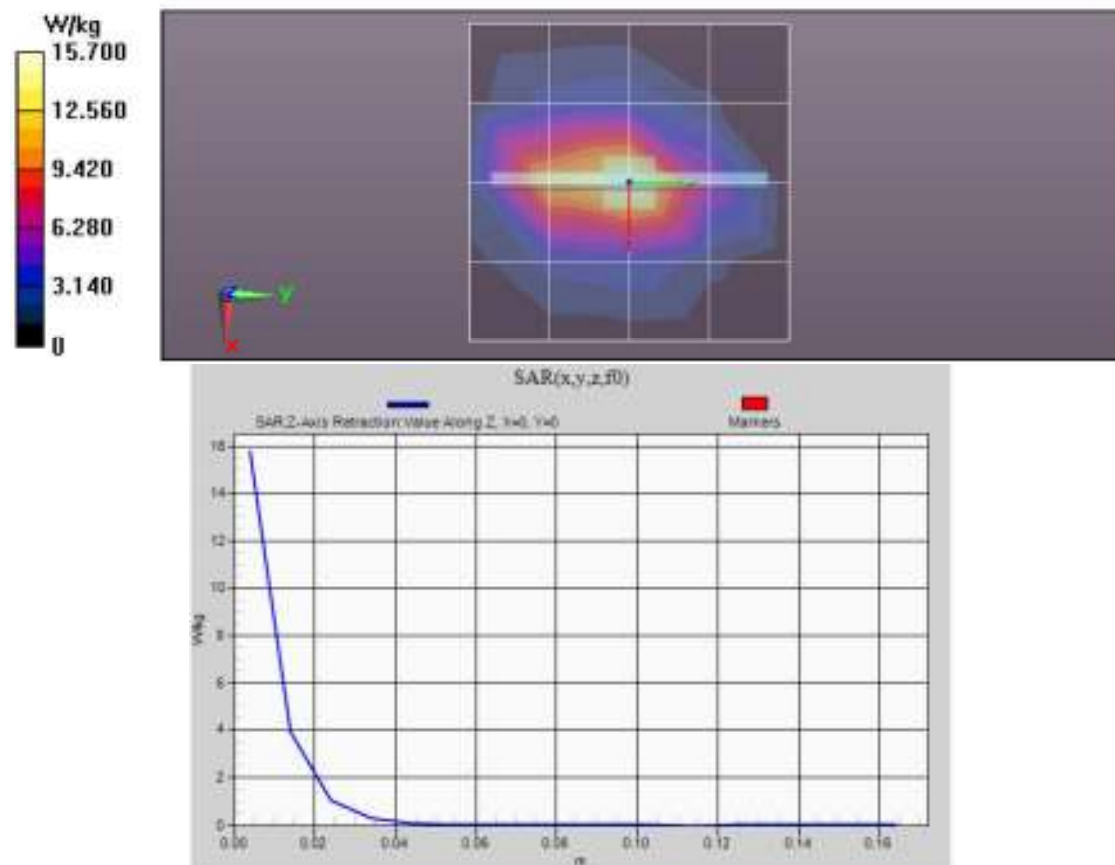
SAR(1 g) = 13.3 mW/g; SAR(10 g) = 6.19 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 15.6 W/kg

Below 3 GHz-Rev.4a/System Performance Check/Z-Axis Retraction (1x1x17):

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

Maximum value of SAR (measured) = 15.7 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/26/2013 3:32:48 PM

Robot#: DASY5-PG-2 | Run#: CcC-SYSP-2450B-130326-01
 Dipole Model#: D2450V2
 Phantom#: ELI5 1147
 Tissue Temp: 21.6 (C)
 Serial#: 782
 Test Freq: 2450 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.053 dB
 Adjusted SAR (1W): 54.00 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 47.6$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3274, . ConvF(4.27, 4.27, 4.27); Calibrated: 11/13/2012
 Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Below 3 GHz-Rev.4a/System Performance Check/Dipole Area Scan 2 (5x5x1):

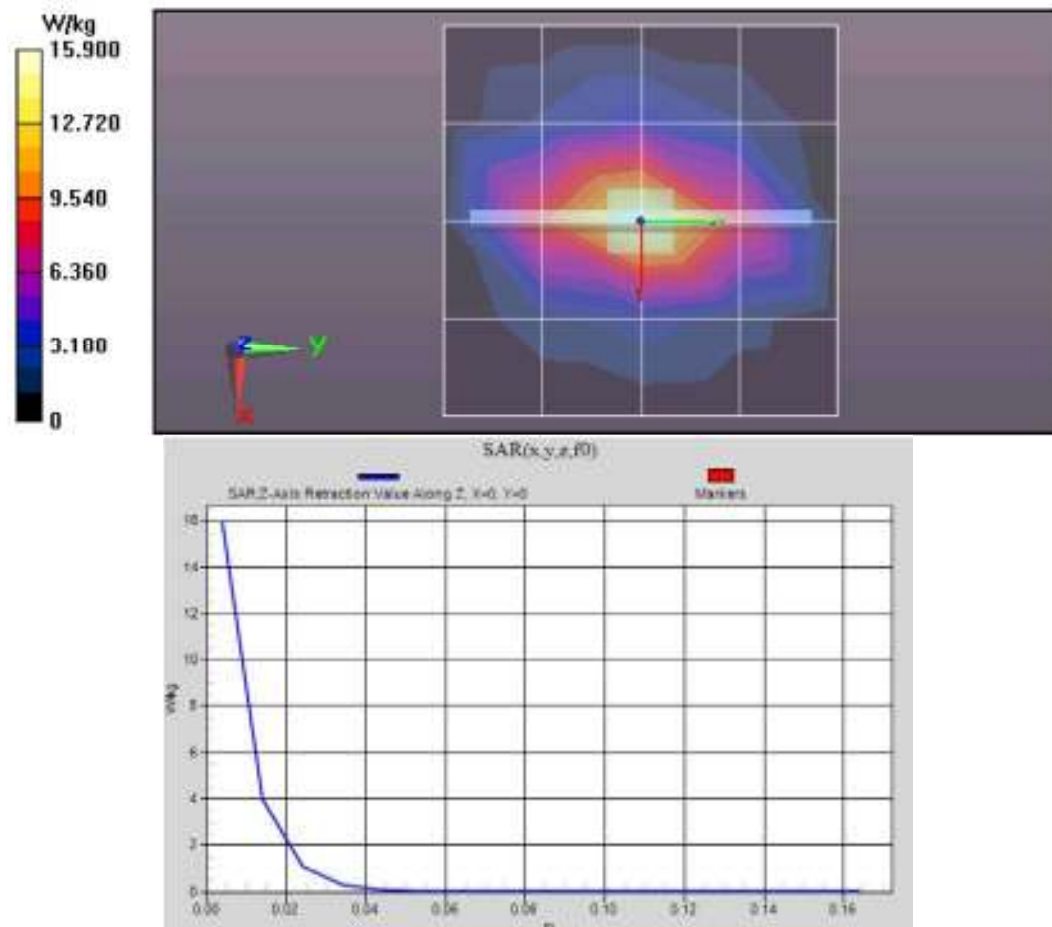
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 15.6 W/kg

Below 3 GHz-Rev.4a/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 89.553 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 30.077 mW/g
SAR(1 g) = 13.5 mW/g; SAR(10 g) = 6.21 mW/g (SAR corrected for target medium)
 Maximum value of SAR (measured) = 15.9 W/kg

Below 3 GHz-Rev.4a/System Performance Check/Z-Axis Retraction (1x1x17):

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



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/28/2013 2:22:04 PM

Robot#: DASY5-PG-2 | Run#: CeC-SYSP-900B-130328-01
 Dipole Model# D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.3 (C)
 Serial#: 1d026
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.048 dB
 Adjusted SAR (1W): 10.52 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.06$ mho/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3274, , ConvF(5.98, 5.98, 5.98); Calibrated: 11/13/2012

Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Below 3 GHz-Rev.4a/System Performance Check/Dipole Area Scan 2 (5x11x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.84 W/kg

Below 3 GHz-Rev.4a/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

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

Reference Value = 53.054 V/m; Power Drift = -0.01 dB

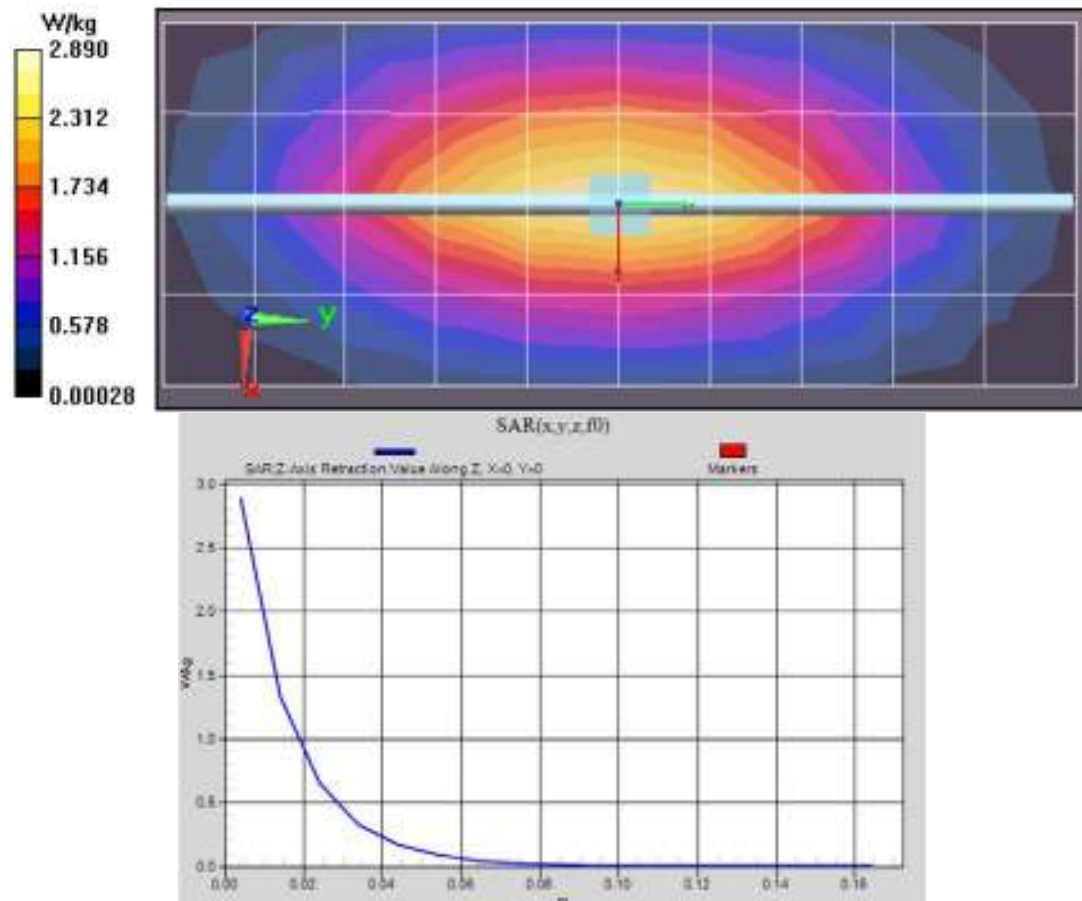
Peak SAR (extrapolated) = 3.872 mW/g

SAR(1 g) = 2.63 mW/g; SAR(10 g) = 1.72 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.89 W/kg

Below 3 GHz-Rev.4a/System Performance Check/Z-Axis Retraction (1x1x17):

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



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/29/2013 6:34:16 AM

Robot#: DASY5-PG-2 | Run#: PS-SYSP-900B-130329-01
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.2 (C)
 Serial#: 1d026
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.047 dB
 Adjusted SAR (1W): 10.40 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.05$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3274, . ConvF(5.98, 5.98, 5.98); Calibrated: 11/13/2012
 Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Below 3 GHz-Rev.4a/System Performance Check/Dipole Area Scan 2 (5x11x1):

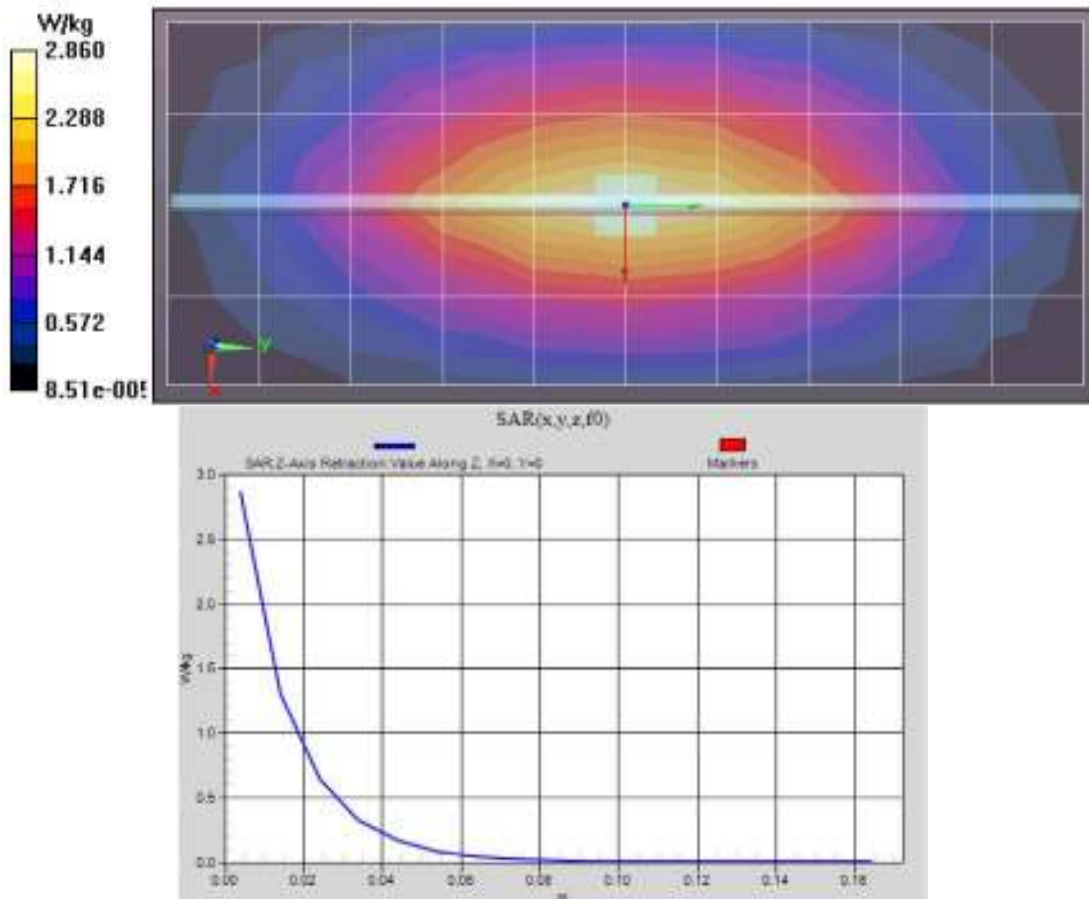
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.82 W/kg

Below 3 GHz-Rev.4a/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 52.965 V/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 3.818 mW/g
SAR(1 g) = 2.6 mW/g; SAR(10 g) = 1.7 mW/g (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.86 W/kg

Below 3 GHz-Rev.4a/System Performance Check/Z-Axis Retraction (1x1x17):

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



Appendix E

DUT Scans (Highest SAR configurations)

Body - Highest SAR Configuration Result

Table 55

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/30/2013 10:14:46 AM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130130-07
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.7 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 899.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: RLN4570A
 Audio Acc: PMMN4040A
 Start Power: 2.96 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 9.260 mW/g (1g); 6.400 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 899$ MHz; $\sigma = 1.05$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

Electronics: DAE3 Sn374, Calibrated: 4/24/2012

Ab Scan/1-Area Scan (61x191x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 106.1 V/m; Power Drift = -0.616 dB

Motorola Fast SAR: SAR(1 g) = 10.1 mW/g; SAR(10 g) = 6.92 mW/g

Maximum value of SAR (interpolated) = 10.8 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 106.1 V/m; Power Drift = -0.682 dB

Peak SAR (extrapolated) = 10.2 W/kg

Motorola Fast SAR: SAR(1 g) = 9.64 mW/g; SAR(10 g) = 6.59 mW/g

Maximum value of SAR (interpolated) = 10.2 mW/g

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

Reference Value = 106.1 V/m; Power Drift = -0.839 dB

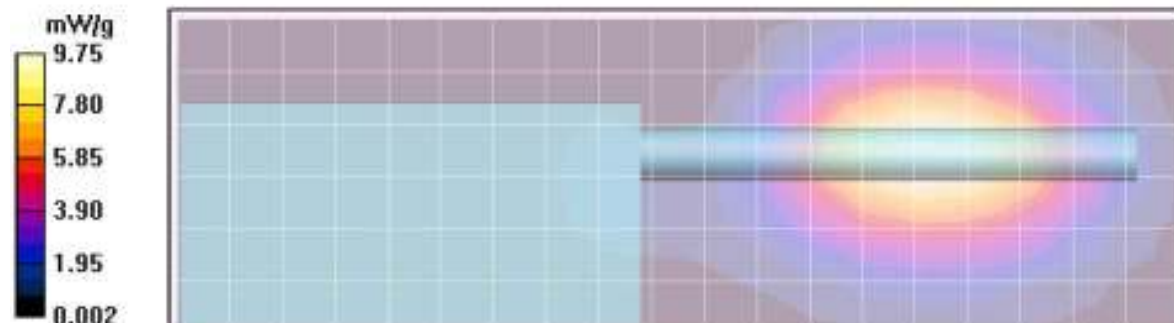
Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 9.26 mW/g; SAR(10 g) = 6.4 mW/g

Maximum value of SAR (measured) = 9.92 mW/g

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

Maximum value of SAR (measured) = 9.75 mW/g



Face - Highest SAR Configuration Result Table 76

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/4/2013 9:08:05 AM

Robot#: DASY4-PG-1 | Run#: CcC-FACE-130204-05
 Model#: PMUF1615A
 Phantom#: ELI4 1050
 Tissue Temp: 21.3 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 896.000 (MHz)
 Battery: PMNN4406A
 Carry Acc: NONE
 Audio Acc: NONE
 Start Power: 2.96 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.900 mW/g (1g); 2.070 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 896$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(5.9, 5.9, 5.9)

Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Face Scan/1-Area Scan (61x191x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 60.4 V/m; Power Drift = -0.476 dB

Motorola Fast SAR: SAR(1 g) = 3.09 mW/g; SAR(10 g) = 2.19 mW/g

Maximum value of SAR (interpolated) = 3.27 mW/g

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

Reference Value = 60.4 V/m; Power Drift = -0.593 dB

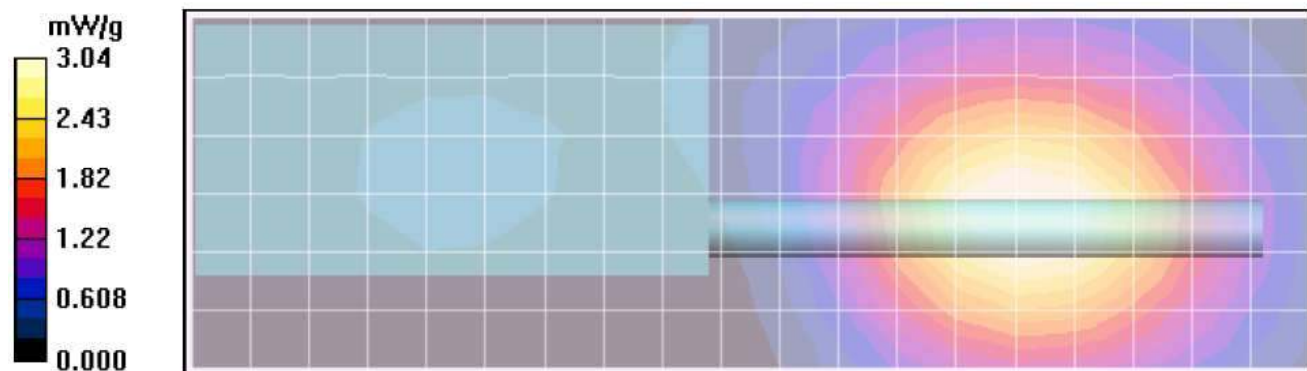
Peak SAR (extrapolated) = 3.86 W/kg

SAR(1 g) = 2.9 mW/g; SAR(10 g) = 2.07 mW/g

Maximum value of SAR (measured) = 3.08 mW/g

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

Maximum value of SAR (measured) = 3.04 mW/g



Appendix F

DUT Scans (Shorten scan and Variability scan)

Shortened Scan and Variability scan Result Table 80

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/5/2013 4:19:08 PM

Robot#: DASY4-PG-1 | Run#: PS-AB-130205-13
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.7 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 899.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: RLN4570A
 Audio Acc: PMMN4040A
 Start Power: 2.97 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 10.755 mW/g (1g); 7.403 mW/g (10g)

Comments: Shorten Scan

Duty Cycle: 1:1, Medium parameters used: $f = 899$ MHz; $\sigma = 1.04$ mho/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(5.82, 5.82, 5.82)

Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Ab Scan/1-Area Scan (61x191x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 109.1 V/m; Power Drift = -0.652 dB

Motorola Fast SAR: SAR(1 g) = 10.4 mW/g; SAR(10 g) = 7.15 mW/g

Maximum value of SAR (interpolated) = 11.1 mW/g

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

Reference Value = 109.7 V/m; Power Drift = -0.467 dB

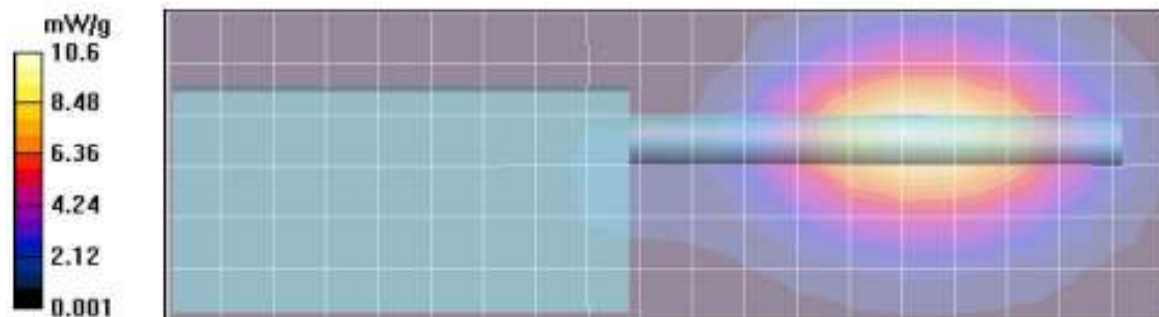
Peak SAR (extrapolated) = 14.8 W/kg

SAR(1 g) = 10.7 mW/g; SAR(10 g) = 7.38 mW/g

Maximum value of SAR (measured) = 11.4 mW/g

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

Maximum value of SAR (measured) = 10.6 mW/g



Shortened scan reflect highest SAR producing configuration; approximate run time is 7 minutes.

Representative full scan run time was 23 minutes.

“Shortened” scan adjusted SAR using SAR drift (see part 1 section 13.11):

1-g Avg. = 5.99 mW/g; 10-g Avg. = 4.12mW/g.

Zoom scan adjusted SAR using SAR drift (see part 1 section 13.11):

1-g Avg. = 5.62 mW/g; 10-g Avg. = 3.88 mW/g. (Run# Lee-AB-130130-07, Table 80)

APPENDIX G

DUT Scans - FCC Part 90 (806-824 MHz, 851-869 MHz, 896-901 MHz, and 935-940 MHz) and Rule Part 15 (2402-2480 MHz)

***All scans are applicable for overall band and Industry Canada**

806-824 MHz Bands
Assessments at the Body with Body worn PMLN5846A
Table 14

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/26/2012 3:29:23 PM

Robot#: DASY4-PG-1 | Run#: Lee-AB-121226-02
 Model#: PMUF1615A
 Phantom#: ELI4 1050
 Tissue Temp: 21.5 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 815.500 (MHz)
 Battery: PMNN4407A
 Carry Acc: PMLN5846A
 Audio Acc: PMMN4024A
 Start Power: 2.94 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.236 mW/g (1g); 0.181 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 816$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

Electronics: DAE3 Sn374, Calibrated: 4/24/2012

Ab Scan/1-Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 16.9 V/m; Power Drift = -0.370 dB

Motorola Fast SAR: SAR(1 g) = 0.251 mW/g; SAR(10 g) = 0.183 mW/g

Maximum value of SAR (interpolated) = 0.264 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 16.9 V/m; Power Drift = -0.425 dB

Peak SAR (extrapolated) = 0.252 W/kg

Motorola Fast SAR: SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.175 mW/g

Maximum value of SAR (interpolated) = 0.252 mW/g

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

Reference Value = 16.9 V/m; Power Drift = -0.523 dB

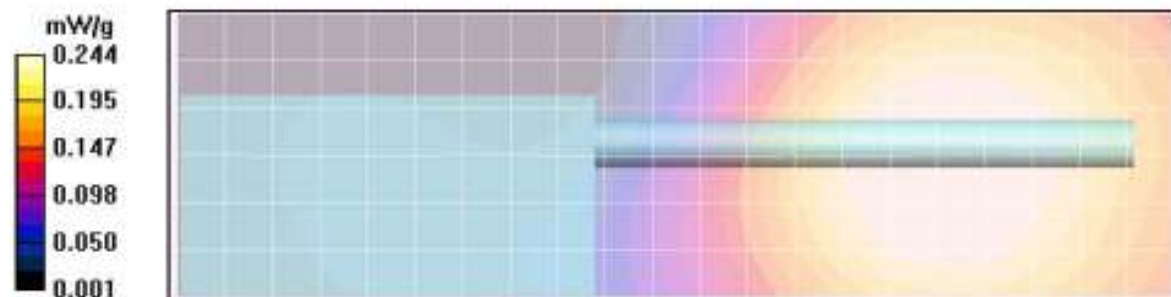
Peak SAR (extrapolated) = 0.298 W/kg

SAR(1 g) = 0.236 mW/g; SAR(10 g) = 0.181 mW/g

Maximum value of SAR (measured) = 0.247 mW/g

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

Maximum value of SAR (measured) = 0.244 mW/g



Assessments at the Body with Body worn PMLN5843A

Table 15

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/26/2012 7:03:11 PM

Robot#: DASY4-PG-1 | Ran#: PS-AB-121226-07
 Model#: PMUF1615A
 Phantom#: ELI4 1050
 Tissue Temp: 21.1 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 815.500 (MHz)
 Battery: PMNN4406A
 Carry Acc: PMLN5843A
 Audio Acc: PMMN4024A
 Start Power: 2.93 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.237 mW/g (1g); 0.181 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1. Medium parameters used: $f = 816$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

Electronics: DAE3 Sn374, Calibrated: 4/24/2012

Ab Scan/1-Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 16.9 V/m; Power Drift = -0.380 dB

Motorola Fast SAR: SAR(1 g) = 0.251 mW/g; SAR(10 g) = 0.183 mW/g

Maximum value of SAR (interpolated) = 0.264 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 16.9 V/m; Power Drift = -0.424 dB

Peak SAR (extrapolated) = 0.252 W/kg

Motorola Fast SAR: SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.175 mW/g

Maximum value of SAR (interpolated) = 0.252 mW/g

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

Reference Value = 16.9 V/m; Power Drift = -0.526 dB

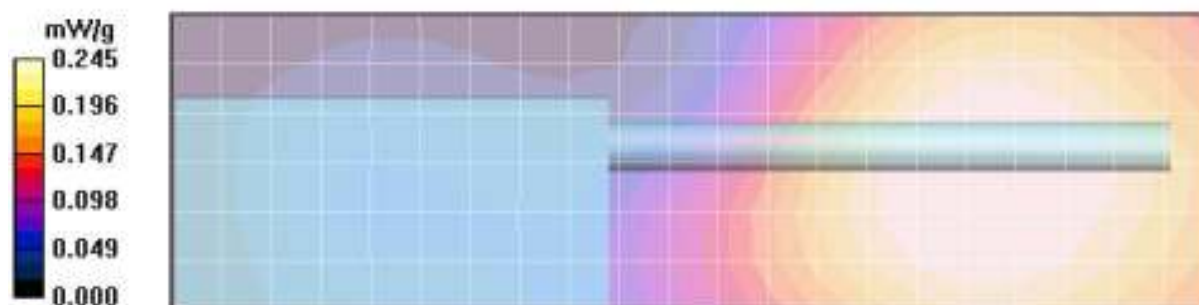
Peak SAR (extrapolated) = 0.300 W/kg

SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.181 mW/g

Maximum value of SAR (measured) = 0.248 mW/g

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

Maximum value of SAR (measured) = 0.245 mW/g



Assessments at the Body with Body worn PMLN5845A

Table 16

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/27/2012 9:18:14 AM

Robot#: DASY4-PG-1 | Run#: CcC-AB-121227-03
 Model#: PMUF1615A
 Phantom#: ELI4 1050
 Tissue Temp: 21.4 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 815.500 (MHz)
 Battery: PMNN4406A
 Carry Acc: PMLN5845A
 Audio Acc: PMMN4024A
 Start Power: 2.95 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 1.970 mW/g (1g); 1.450 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 816$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

Electronics: DAE3 Su374, Calibrated: 4/24/2012

Ab Scan/1-Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 48.5 V/m; Power Drift = -0.442 dB

Motorola Fast SAR: SAR(1 g) = 2.08 mW/g; SAR(10 g) = 1.48 mW/g

Maximum value of SAR (interpolated) = 2.19 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 48.5 V/m; Power Drift = -0.487 dB

Peak SAR (extrapolated) = 2.12 W/kg

Motorola Fast SAR: SAR(1 g) = 2.01 mW/g; SAR(10 g) = 1.43 mW/g

Maximum value of SAR (interpolated) = 2.12 mW/g

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

Reference Value = 48.5 V/m; Power Drift = -0.588 dB

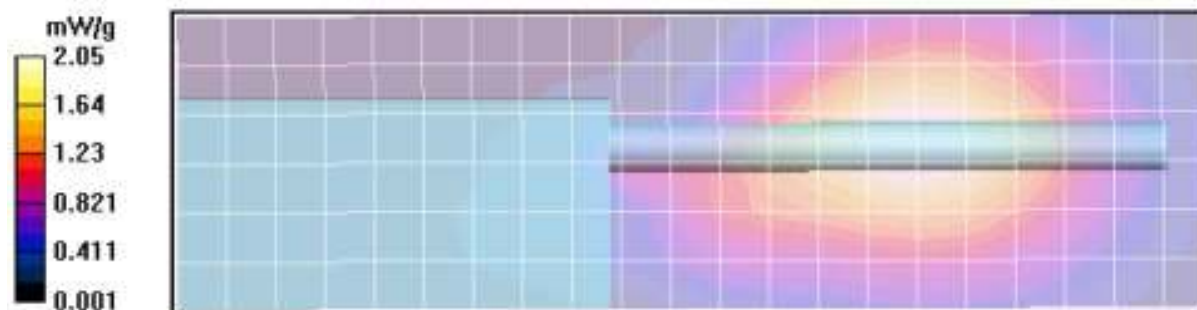
Peak SAR (extrapolated) = 2.55 W/kg

SAR(1 g) = 1.97 mW/g; SAR(10 g) = 1.45 mW/g

Maximum value of SAR (measured) = 2.08 mW/g

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

Maximum value of SAR (measured) = 2.05 mW/g



Assessments at the Body with Body worn PMLN5839A

Table 17

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/27/2012 1:20:38 PM

Robot#: DASY4-PG-1 | Run#: Lee-AB-121227-07
 Model#: PMLF1615A
 Phantom#: ELI4 1050
 Tissue Temp: 21.1 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 815.500 (MHz)
 Battery: PMNN4406A
 Carry Acc: PMLN5839A
 Audio Acc: PMMN4024A
 Start Power: 2.96 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.636 mW/g (1g); 0.482 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 816$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

Electronics: DAE3 Sn374, Calibrated: 4/24/2012

Ab Scan/1-Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 27.4 V/m; Power Drift = -0.441 dB

Motorola Fast SAR: SAR(1 g) = 0.681 mW/g; SAR(10 g) = 0.492 mW/g

Maximum value of SAR (interpolated) = 0.718 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 27.4 V/m; Power Drift = -0.503 dB

Peak SAR (extrapolated) = 0.685 W/kg

Motorola Fast SAR: SAR(1 g) = 0.651 mW/g; SAR(10 g) = 0.471 mW/g

Maximum value of SAR (interpolated) = 0.685 mW/g

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

Reference Value = 27.4 V/m; Power Drift = -0.610 dB

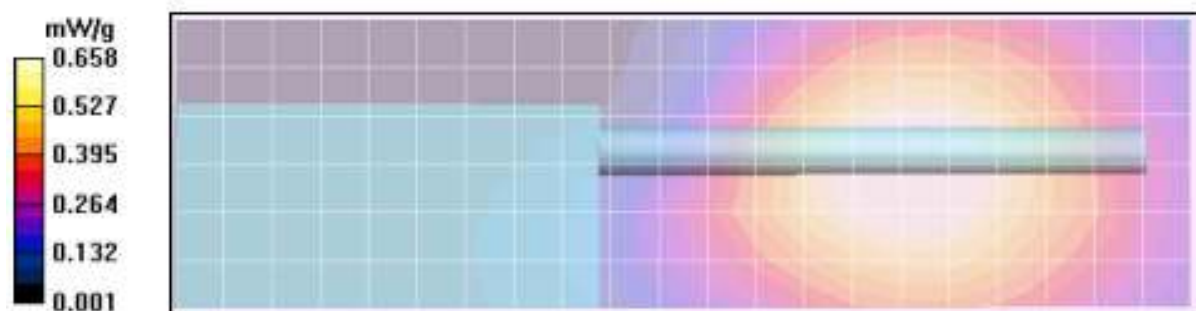
Peak SAR (extrapolated) = 0.811 W/kg

SAR(1 g) = 0.636 mW/g; SAR(10 g) = 0.482 mW/g

Maximum value of SAR (measured) = 0.668 mW/g

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

Maximum value of SAR (measured) = 0.658 mW/g



Assessments at the Body with Body worn PMLN7008A

Table 18

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/27/2012 3:35:01 PM

Robot#: DASY4-PG-1 | Run#: Lee-AB-121227-10
 Model#: PMUF1615A
 Phantom#: ELI4 1050
 Tissue Temp: 21.0 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 815.500 (MHz)
 Battery: PMNN4407A
 Carry Acc: PMLN7008A
 Audio Acc: PMMN4024A
 Start Power: 2.95 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 1.930 mW/g (1g); 1.430 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 816$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

Electronics: DAE3 Sn374, Calibrated: 4/24/2012

Ab Scan/1-Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 48.6 V/m; Power Drift = -0.465 dB

Motorola Fast SAR: SAR(1 g) = 2.05 mW/g; SAR(10 g) = 1.46 mW/g

Maximum value of SAR (interpolated) = 2.17 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 48.6 V/m; Power Drift = -0.522 dB

Peak SAR (extrapolated) = 2.07 W/kg

Motorola Fast SAR: SAR(1 g) = 1.97 mW/g; SAR(10 g) = 1.4 mW/g

Maximum value of SAR (interpolated) = 2.07 mW/g

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

Reference Value = 48.6 V/m; Power Drift = -0.623 dB

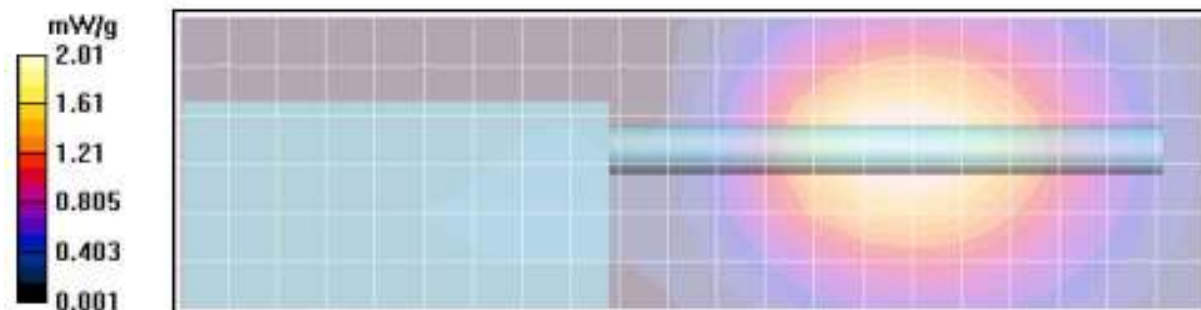
Peak SAR (extrapolated) = 2.48 W/kg

SAR(1 g) = 1.93 mW/g; SAR(10 g) = 1.43 mW/g

Maximum value of SAR (measured) = 2.03 mW/g

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

Maximum value of SAR (measured) = 2.01 mW/g



Assessments at the Body with Body worn PMLN4651A

Table 19

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/15/2013 9:48:56 AM

Robot#: DASY4-PG-1 | Run#: PS-AB-130115-03
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.9 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 815.500 (MHz)
 Battery: PMNN4407A
 Carry Acc: PMLN4651A
 Audio Acc: PMMN4024A
 Start Power: 2.94 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 1.919 mW/g (1g); 1.425 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 816$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 55.7$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

Electronics: DAE3 Sn374, Calibrated: 4/24/2012

Ab Scan/1-Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 46.7 V/m; Power Drift = -0.506 dB

Motorola Fast SAR: SAR(1 g) = 2.04 mW/g; SAR(10 g) = 1.46 mW/g

Maximum value of SAR (interpolated) = 2.16 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 46.7 V/m; Power Drift = -0.564 dB

Peak SAR (extrapolated) = 2.06 W/kg

Motorola Fast SAR: SAR(1 g) = 1.96 mW/g; SAR(10 g) = 1.39 mW/g

Maximum value of SAR (interpolated) = 2.06 mW/g

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

Reference Value = 46.7 V/m; Power Drift = -0.672 dB

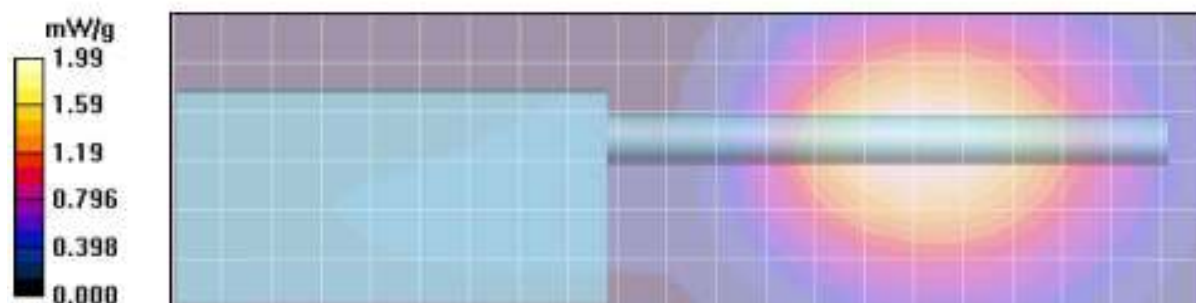
Peak SAR (extrapolated) = 2.46 W/kg

SAR(1 g) = 1.91 mW/g; SAR(10 g) = 1.42 mW/g

Maximum value of SAR (measured) = 2.03 mW/g

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

Maximum value of SAR (measured) = 1.99 mW/g



Assessments at the Body with Body worn RLN4570A

Table 20

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/15/2013 1:33:05 PM

Robot#: DASY4-PG-1 | Run#: PS-AB-130115-07
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.8 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 815.500 (MHz)
 Battery: PMNN4407A
 Carry Acc: RLN4570A
 Audio Acc: PMMN4024A
 Start Power: 2.96 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 6.399 mW/g (1g); 4.527 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 816$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 55.7$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

Electronics: DAE3 Sn374, Calibrated: 4/24/2012

Ab Scan/1-Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 84.6 V/m; Power Drift = -0.505 dB

Motorola Fast SAR: SAR(1 g) = 6.8 mW/g; SAR(10 g) = 4.74 mW/g

Maximum value of SAR (interpolated) = 7.25 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 84.6 V/m; Power Drift = -0.570 dB

Peak SAR (extrapolated) = 6.89 W/kg

Motorola Fast SAR: SAR(1 g) = 6.54 mW/g; SAR(10 g) = 4.54 mW/g

Maximum value of SAR (interpolated) = 6.89 mW/g

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

Reference Value = 84.6 V/m; Power Drift = -0.664 dB

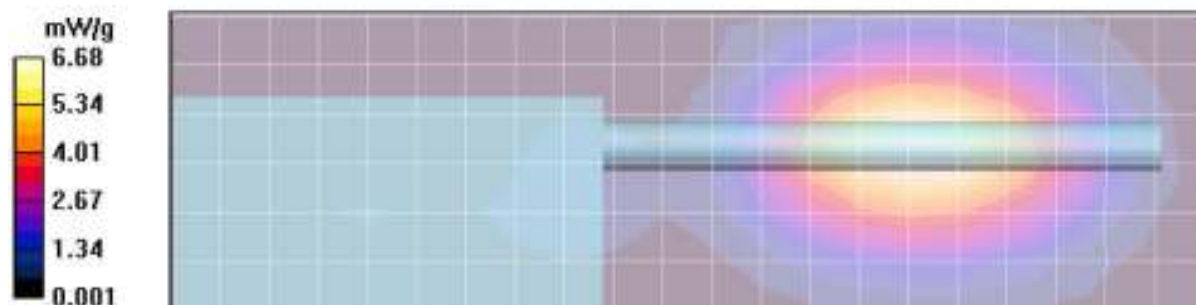
Peak SAR (extrapolated) = 8.52 W/kg

SAR(1 g) = 6.37 mW/g; SAR(10 g) = 4.51 mW/g

Maximum value of SAR (measured) = 6.82 mW/g

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

Maximum value of SAR (measured) = 6.68 mW/g



Assessments at the Body with Body worn RLN4815A

Table 21

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/16/2013 9:05:29 AM

Robot#: DASY4-PG-1 | Run#: PS-AB-130116-05
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.9 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 815.500 (MHz)
 Battery: PMNN4406A
 Carry Acc: RLN4815A
 Audio Acc: PMMN4024A
 Start Power: 2.96 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.072 mW/g (1g); 1.537 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 816$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 55.8$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

Electronics: DAE3 Sn374, Calibrated: 4/24/2012

Ab Scan/1-Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 48.8 V/m; Power Drift = -0.564 dB

Motorola Fast SAR: SAR(1 g) = 2.2 mW/g; SAR(10 g) = 1.57 mW/g

Maximum value of SAR (interpolated) = 2.32 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 48.8 V/m; Power Drift = -0.621 dB

Peak SAR (extrapolated) = 2.21 W/kg

Motorola Fast SAR: SAR(1 g) = 2.1 mW/g; SAR(10 g) = 1.5 mW/g

Maximum value of SAR (interpolated) = 2.21 mW/g

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

Reference Value = 48.8 V/m; Power Drift = -0.723 dB

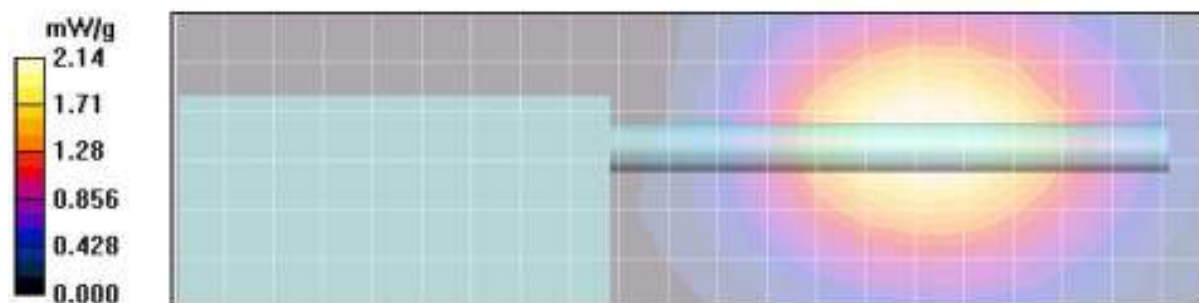
Peak SAR (extrapolated) = 2.66 W/kg

SAR(1 g) = 2.06 mW/g; SAR(10 g) = 1.53 mW/g

Maximum value of SAR (measured) = 2.19 mW/g

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

Maximum value of SAR (measured) = 2.14 mW/g



Assessments at the Body with Body worn HLN6602A

Table 22

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/17/2013 7:11:21 AM

Robot#: DASY4-PG-1 | Run#: PS-AB-130117-02
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 21.3 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 815.500 (MHz)
 Battery: PMNN4406A
 Carry Acc: HLN6602A
 Audio Acc: PMMN4024A
 Start Power: 2.94 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 7.045 mW/g (1g); 4.954 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 816$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

Electronics: DAE3 Sn374, Calibrated: 4/24/2012

Ab Scan/1-Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 87.8 V/m; Power Drift = -0.449 dB

Motorola Fast SAR: SAR(1 g) = 7.43 mW/g; SAR(10 g) = 5.16 mW/g

Maximum value of SAR (interpolated) = 7.91 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 87.8 V/m; Power Drift = -0.502 dB

Peak SAR (extrapolated) = 7.65 W/kg

Motorola Fast SAR: SAR(1 g) = 7.24 mW/g; SAR(10 g) = 5 mW/g

Maximum value of SAR (interpolated) = 7.65 mW/g

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

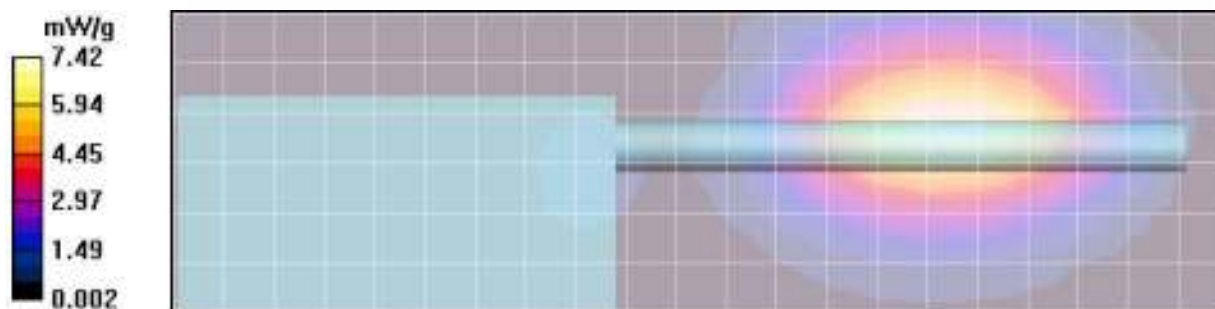
Reference Value = 87.8 V/m; Power Drift = -0.599 dB

Peak SAR (extrapolated) = 9.41 W/kg

SAR(1 g) = 7.02 mW/g; SAR(10 g) = 4.94 mW/g

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

Maximum value of SAR (measured) = 7.42 mW/g



Assessments at the Body with Body worn PMLN5843A (no belt-loop) with Carry Strap NTN5243A
Table 23

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/22/2013 2:47:56 PM

Robot#: DASY5-PG-2 | Run#: Lee-AB-130222-05
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.9 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 815.500 (MHz)
 Battery: PMNN4407A
 Carry Acc: PMLN5843A w/ NTN5243A
 Audio Acc: PMMN4024A
 Start Power: 2.96 (W)

Comments: Full Scan. PMLN5843A w/o belt loop

Duty Cycle: 1:1, Medium parameters used: $f = 816$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3274, , ConvF(5.98, 5.98, 5.98); Calibrated: 11/13/2012
 Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (61x211x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 28.895 V/m; Power Drift = -0.48 dB

Fast SAR: SAR(1 g) = 0.786 mW/g; SAR(10 g) = 0.567 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.829 W/kg

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

Reference Value = 28.895 V/m; Power Drift = -0.60 dB

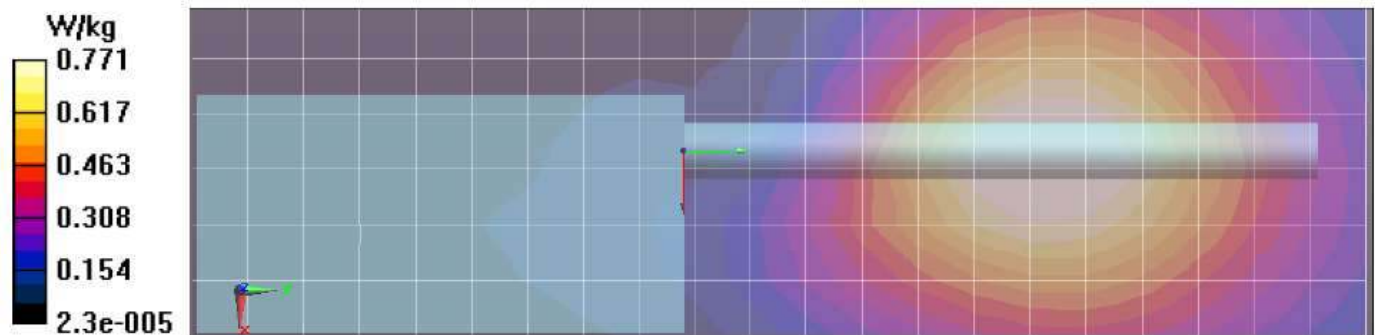
Peak SAR (extrapolated) = 0.938 mW/g

SAR(1 g) = 0.746 mW/g; SAR(10 g) = 0.564 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.785 W/kg

Below 3 GHz-Rev.5/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.771 W/kg



Assessments at the Body with Body worn PMLN5845A (fixed belt-loop) with Carry Strap NTN5243A

Table 24

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/5/2013 2:40:01 PM

Robot#: DASY4-PG-1 | Run#: PS-AB-130205-10
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.4 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 815.500 (MHz)
 Battery: PMNN4406A
 Carry Acc: PMLN5845A w/ NTN5243A
 Audio Acc: PMMN4024A
 Start Power: 2.94 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.181 mW/g (1g); 1.605 mW/g (10g)

Comments: Full Scan. Back of radio w/ fixed belt loop.

Duty Cycle: 1:1, Medium parameters used: $f = 816$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 53.6$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(5.82, 5.82, 5.82)

Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Ab Scan/1-Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 51.3 V/m; Power Drift = -0.503 dB

Motorola Fast SAR: SAR(1 g) = 2.28 mW/g; SAR(10 g) = 1.63 mW/g

Maximum value of SAR (interpolated) = 2.42 mW/g

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

Reference Value = 51.3 V/m; Power Drift = -0.643 dB

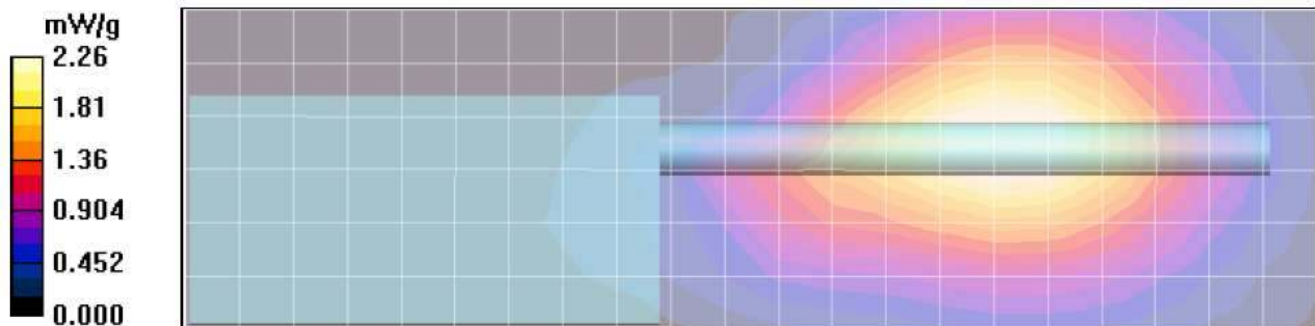
Peak SAR (extrapolated) = 2.82 W/kg

SAR(1 g) = 2.17 mW/g; SAR(10 g) = 1.6 mW/g

Maximum value of SAR (measured) = 2.30 mW/g

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

Maximum value of SAR (measured) = 2.26 mW/g



Assessments at the Body with Body worn PMLN5839A (fixed belt-loop) with Carry Strap NTN5243A

Table 25

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/22/2013 6:30:52 PM

Robot#: DASY5-PG-2 | Run#: PS-AB-130222-11
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.5 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 815.500 (MHz)
 Battery: PMNN4407A
 Carry Acc: PMLN5839A w/ NTN5243A
 Audio Acc: PMMN4024A
 Start Power: 2.95 (W)

Comments: Full Scan. Back of radio w/ fixed belt loop.

Duty Cycle: 1:1, Medium parameters used: $f = 816 \text{ MHz}$; $\sigma = 0.98 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$

Probe: ES3DV3 - SN3274, , ConvF(5.98, 5.98, 5.98); Calibrated: 11/13/2012

Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (61x211x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 25.034 V/m; Power Drift = -0.45 dB

Fast SAR: SAR(1 g) = 0.574 mW/g; SAR(10 g) = 0.416 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.605 W/kg

Below 3 GHz-Rev.5/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 = 25.034 V/m; Power Drift = -0.66 dB

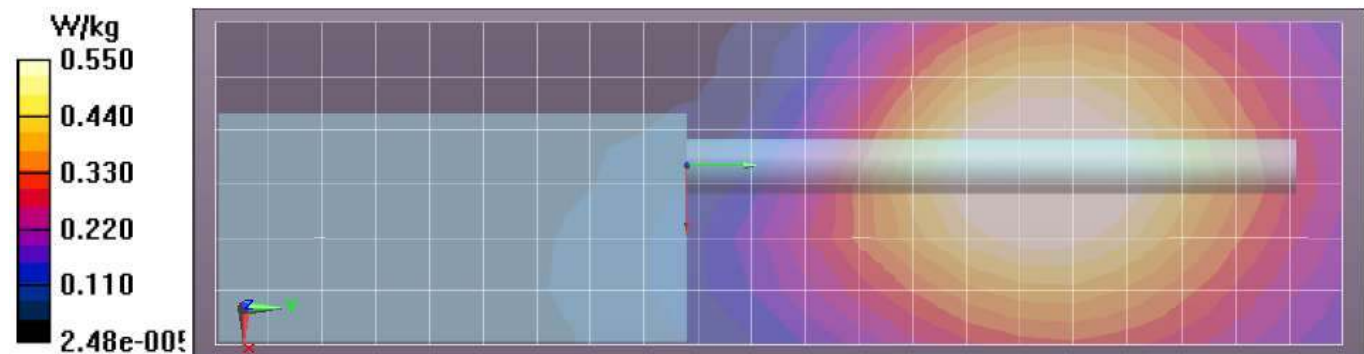
Peak SAR (extrapolated) = 0.672 mW/g

SAR(1 g) = 0.535 mW/g; SAR(10 g) = 0.407 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.564 W/kg

Below 3 GHz-Rev.5/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) = 0.550 W/kg



Assessments at the Body with other audio accessories

Table 26

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/17/2013 9:50:07 AM

Robot#: DASY4-PG-1 | Run#: PS-AB-130117-06
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.6 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 815.500 (MHz)
 Battery: PMNN4406A
 Carry Acc: HLN6602A
 Audio Acc: PMMN4050A w/ AARLN4885B
 Start Power: 2.93 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 6.814 mW/g (1g); 4.814 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 816$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_t = 55.6$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

Electronics: DAE3 Sn374, Calibrated: 4/24/2012

Ab Scan/1-Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 88.5 V/m; Power Drift = -0.488 dB

Motorola Fast SAR: SAR(1 g) = 7.17 mW/g; SAR(10 g) = 4.99 mW/g

Maximum value of SAR (interpolated) = 7.64 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 88.5 V/m; Power Drift = -0.533 dB

Peak SAR (extrapolated) = 7.36 W/kg

Motorola Fast SAR: SAR(1 g) = 6.99 mW/g; SAR(10 g) = 4.83 mW/g

Maximum value of SAR (interpolated) = 7.36 mW/g

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

Reference Value = 88.5 V/m; Power Drift = -0.642 dB

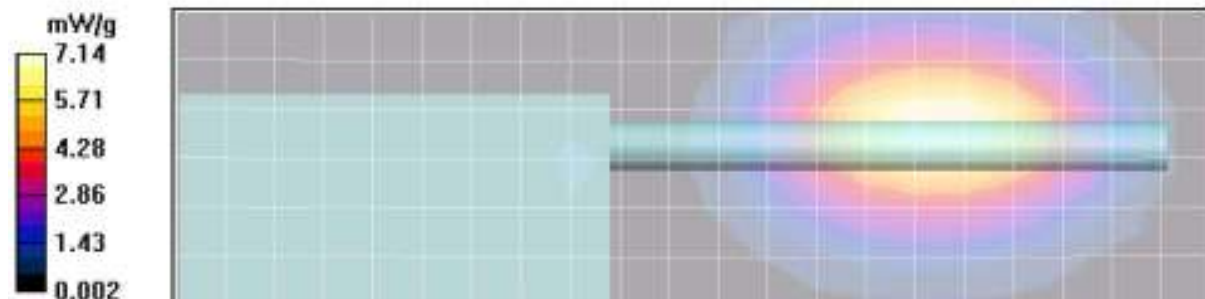
Peak SAR (extrapolated) = 9.07 W/kg

SAR(1 g) = 6.79 mW/g; SAR(10 g) = 4.8 mW/g

Maximum value of SAR (measured) = 7.24 mW/g

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

Maximum value of SAR (measured) = 7.14 mW/g



Assessments of wireless BT configuration at the Body

Table 27

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/28/2013 2:50:57 PM

Robot#: DASY5-PG-2 | Run#: CcC-AB-130328-02
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.9 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 815.500 (MHz)
 Battery: PMNN4406A
 Carry Acc: HLN6602A
 Audio Acc: NONE
 Start Power: 2.99 (W)

Comments: Full Scan.

Duty Cycle: 1:1, Medium parameters used: $f = 816 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3274, , ConvF(5.98, 5.98, 5.98); Calibrated: 11/13/2012
 Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (61x211x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 84.550 V/m ; Power Drift = -0.42 dB

Fast SAR: SAR(1 g) = 7.29 mW/g ; SAR(10 g) = 5.08 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 7.76 W/kg

Below 3 GHz-Rev.5/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 = 84.550 V/m ; Power Drift = -0.51 dB

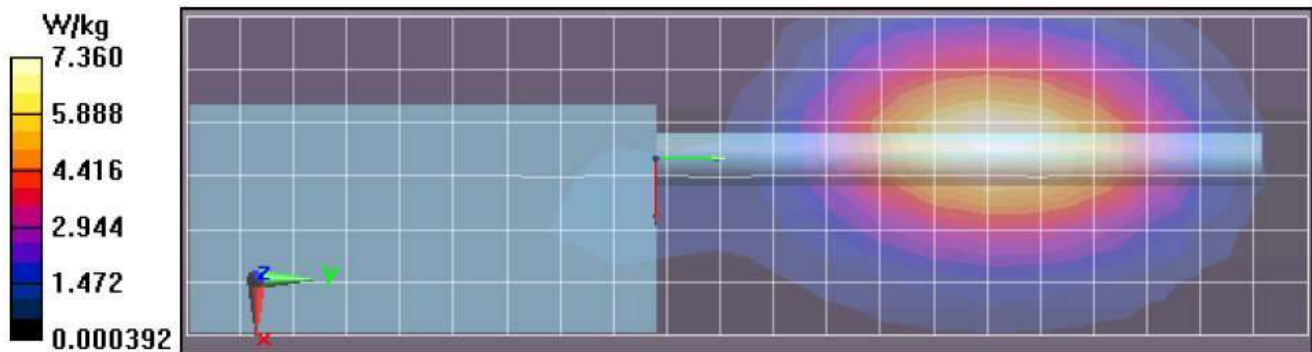
Peak SAR (extrapolated) = 9.212 mW/g

SAR(1 g) = 6.99 mW/g ; SAR(10 g) = 4.97 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.44 W/kg

Below 3 GHz-Rev.5/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) = 7.36 W/kg



851-869 MHz Bands
Assessments at the Body with Body worn PMLN5846A
Table 29

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/21/2013 11:25:33 AM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130121-03
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 21.1 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 851.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: PMLN5846A
 Audio Acc: PMNN4024A
 Start Power: 2.97 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.211 mW/g (1g); 0.161 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 851$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 55.2$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

Electronics: DAE3 Sn374, Calibrated: 4/24/2012

Ab Scan/1-Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 15.9 V/m; Power Drift = -0.466 dB

Motorola Fast SAR: SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.164 mW/g

Maximum value of SAR (interpolated) = 0.237 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 15.9 V/m; Power Drift = -0.514 dB

Peak SAR (extrapolated) = 0.226 W/kg

Motorola Fast SAR: SAR(1 g) = 0.215 mW/g; SAR(10 g) = 0.157 mW/g

Maximum value of SAR (interpolated) = 0.226 mW/g

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

Reference Value = 15.9 V/m; Power Drift = -0.666 dB

Peak SAR (extrapolated) = 0.269 W/kg

SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.161 mW/g

Maximum value of SAR (measured) = 0.221 mW/g

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

Maximum value of SAR (measured) = 0.217 mW/g

