



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: 12/20/11
Report Revision: O
Report ID: SAR rpt_PMUE3838A_Rev.O
111220_SR9695

Responsible Engineer: Veeramani Veerapan (Senior EME Engineer)
Report Author: Veeramani Veerapan (Senior EME Engineer)
Date/s Tested: 8/05/11-10/04/11; 12/28/11; 01/20/2012
Manufacturer/Location: Motorola, Penang
Sector/Group/Div.: EMS
Date submitted for test: 7/08/11
DUT Description: 403-527 MHz 4W NKP
Test TX mode(s): CW (PTT)
Max. Power output: 4.8 W
Nominal Power: 4.0 W
Tx Frequency Bands: 403-527 MHz
Signaling type: FM
Model(s) Tested: PMUE3838A
Model(s) Certified: PMUE3838A
Serial Number(s): 446TMM0025, 446TMM0023
Classification: Occupational/Controlled
FCC ID: ABZ99FT4089; Rule part 90 (406.1-512 MHz)
IC: 109AB-99FT4089; (406.1-430 and 450-470 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.

Deanna Zakharia
EMS EME Lab Senior Resource Manager,
Laboratory Director

Approval Date: 1/30/2012

Certification Date: 1/30/2012

Certification No.: L1120112P

Appendix D

Test System Verification Scans

The SAR result indicated on the Manufacture's Calibrated certificates for dipole D450V3 S/N 1053 were not used due to the following:

- The IEEE1528-2003 and the FCC OET-65 Supplement C, System Verification section recommends that the measured 1-g SAR should be within 10% of the expected target values specified for the specific phantom and RF source used in the system verification measurement.
- SPEAG calibration certificate indicates that the allowed tolerance for these dipole are higher than +/- 10% (e.g. up to 4.79 +/-18.1% at k=2 for the D450V3 S/N 1053).
- The allowed tolerances for the probe are also higher than +/- 10% (e.g. 13.4% k=2 at 450 MHz for the probe being used to assess this product).

Due to probe, dipole and system tolerances noted above, the lab averages dipole results across multiple probes to establish a set of averaged targets for each dipole using the following procedure:

- The System Validation was conducted per IEEE1528-2003 and IEC62209-2 Edition 1.0 2010-03 standards using the simulated head tissue and multiple probes that are available and applicable for the dipole under test to verify the System Validation. Results for this dipole are within the measurement system uncertainty of the reference SAR values indicated within IEC62209-2 Edition 1.0 2010-03 when using flat phantom with 2mm thickness is used. These results then are averaged and used as the target for the daily system performance check when the simulated head tissue is used.
- The dipole targets for the body are set immediately following the same process noted above. Since there is no standard referencing the SAR values for the System Validation using the simulated body tissue, the compliant System Validation results using the simulated head tissue are used to justify the use of the System Validation results using the simulated body tissue due to the same setup except for the simulated tissue type.

The targets set in this report were conducted following the above process.

Note that the targets set for the tested dipoles, when using the simulated head tissue, meets the requirement for the system validation per IEEE1528-2003, IEC62209-2 Edition 1.0 2010-03 standards, and the difference between these results and the results from the manufacture's dipole calibration certificate are up to 4.18 % for 450 MHz dipole S/N 1053 dipole which are well within the measurement uncertainty of the measurement system at k=2.

To assess the isotropic characteristics of the measurement probe, a probe rotation was performed using the "Rotation (1D)" function in the DASY software with a measured isotropy tolerance of +/- 0.5dB.

Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/5/2011 10:51:14 AM

Robot# / Run#: DASY4-PG-1 / PS-SYSP-450B-110805-01
Phantom# / Tissue Temp.: ELI4 1050 / 21.2 (C)
Dipole Model# / Serial#: D450V3 / 1053
TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.48 mW/g (1g)
Adjusted SAR (1W): 4.46 mW/g (1g)
Percent from Target (+/-): 0.40 % (1g)
Rotation (1D): 0.037 dB

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: 1.116 mW/g (1g); 0.743 mW/g (10g)

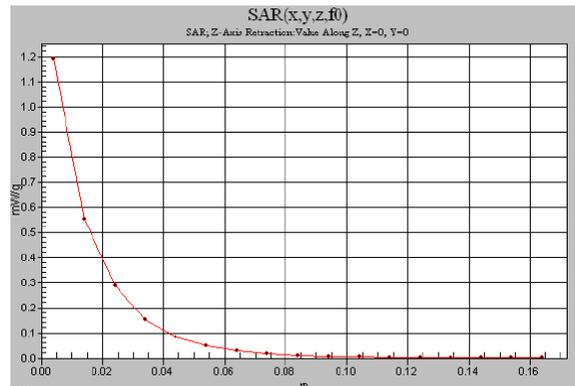
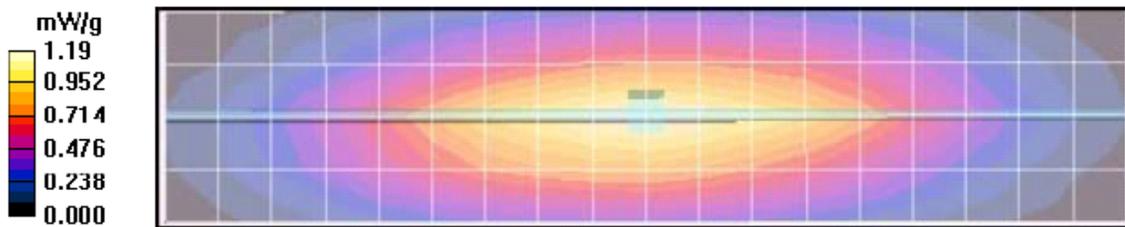
Comments:

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
Electronics: DAE3 Sn374, Calibrated: 2/23/2011
Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 55$; $\rho = 1000$ kg/m³

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 35.8 V/m; Power Drift = -0.00771 dB
Peak SAR (extrapolated) = 1.72 W/kg
SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.741 mW/g
Maximum value of SAR (measured) = 1.19 mW/g

System Performance Check/Dipole Area Scan 2 (5x19x1): 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: 8/7/2011 8:26:36 AM

Robot# / Run#: DASY4-PG-1 / Lee-SYSP-450B-110807-01
 Phantom# / Tissue Temp.: ELI4 1050 / 21.6 (C)
 Dipole Model# / Serial#: D450V3 / 1053
 TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.48 mW/g (1g)
 Adjusted SAR (1W): 4.46 mW/g (1g)
 Percent from Target (+/-): 0.40 % (1g)
 Rotation (1D): 0.046 dB

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: 1.116 mW/g (1g); 0.738 mW/g (10g)

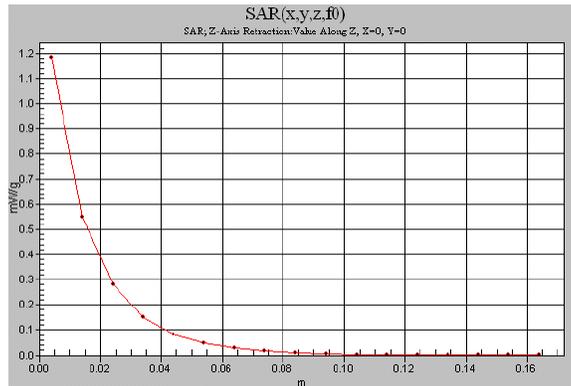
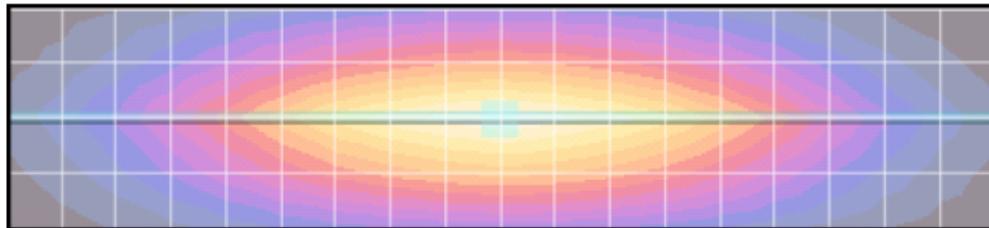
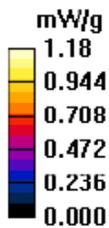
Comments:

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 35.7 V/m; Power Drift = -0.0123 dB
 Peak SAR (extrapolated) = 1.71 W/kg
 SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.736 mW/g
 Maximum value of SAR (measured) = 1.19 mW/g

System Performance Check/Dipole Area Scan 2 (5x19x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.18 mW/g

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



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Date/Time: 8/8/2011 6:56:19 AM

Robot# / Run#: DASY4-PG-1 / CcC-SYSP-450B-110808-01
 Phantom# / Tissue Temp.: ELI4 1050 / 20.9 (C)
 Dipole Model# / Serial#: D450V3 / 1053
 TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.48 mW/g (1g)
 Adjusted SAR (1W): 4.50 mW/g (1g)
 Percent from Target (+/-): 0.50 % (1g)
 Rotation (1D): 0.042 dB

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: 1.126 mW/g (1g); 0.749 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

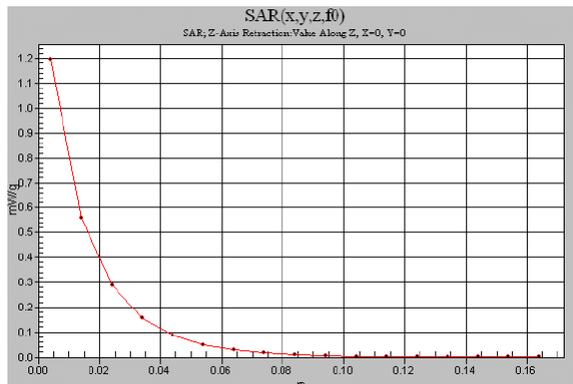
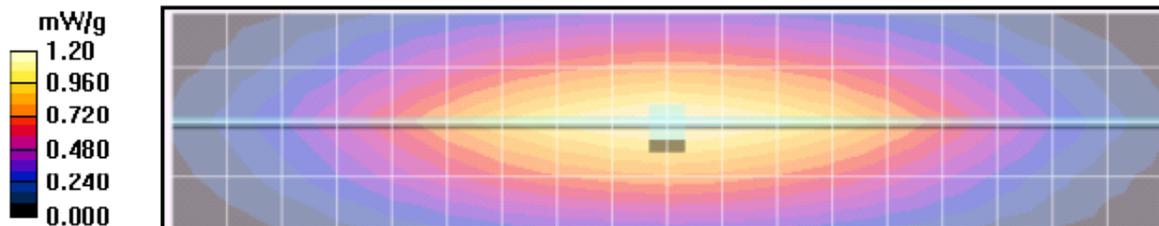
System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 35.7 V/m; Power Drift = 0.0042 dB
 Peak SAR (extrapolated) = 1.72 W/kg
 SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.747 mW/g
 Maximum value of SAR (measured) = 1.20 mW/g

System Performance Check/Dipole Area Scan 2 (5x19x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.19 mW/g

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



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/9/2011 7:10:06 AM

Robot# / Run#: DASY4-PG-1 / CcC-SYSP-450B-110809-01
Phantom# / Tissue Temp.: ELI4 1050 / 21.1 (C)
Dipole Model# / Serial#: D450V3 / 1053
TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.48 mW/g (1g)
Adjusted SAR (1W): 4.45 mW/g (1g)
Percent from Target (+/-): 0.70 % (1g)
Rotation (1D): 0.048 dB

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: 1.112 mW/g (1g); 0.741 mW/g (10g)

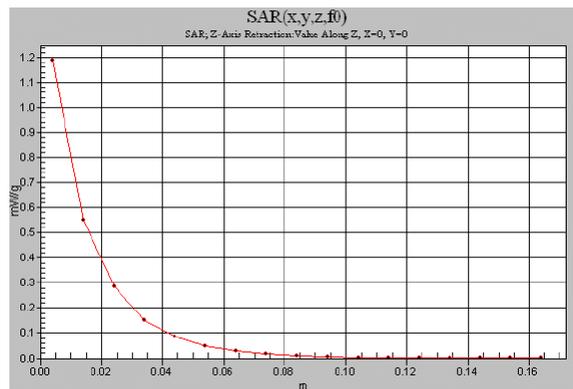
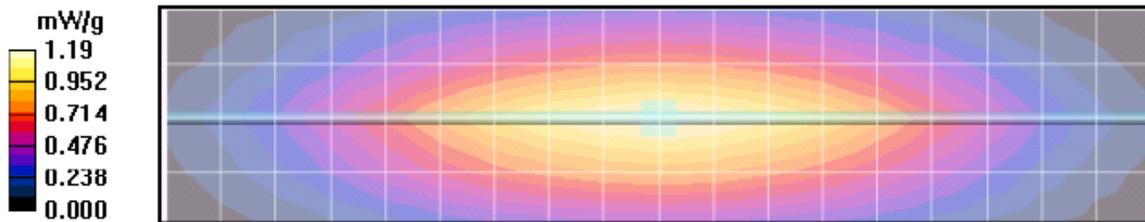
Comments:

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
Electronics: DAE3 Sn374, Calibrated: 2/23/2011
Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 54.9$; $\rho = 1000$ kg/m³

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 35.7 V/m; Power Drift = -0.00253 dB
Peak SAR (extrapolated) = 1.69 W/kg
SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.736 mW/g
Maximum value of SAR (measured) = 1.18 mW/g

System Performance Check/Dipole Area Scan 2 (5x19x1): 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) = 1.19 mW/g



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/10/2011 6:49:43 AM

Robot# / Run#: DASY4-PG-1 / CcC-SYSP-450B-110810-01
Phantom# / Tissue Temp.: ELI4 1050 / 21.1 (C)
Dipole Model# / Serial#: D450V3 / 1053
TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.48 mW/g (1g)
Adjusted SAR (1W): 4.54 mW/g (1g)
Percent from Target (+/-): 1.40 % (1g)
Rotation (1D): 0.05 dB

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: 1.136 mW/g (1g); 0.754 mW/g (10g)

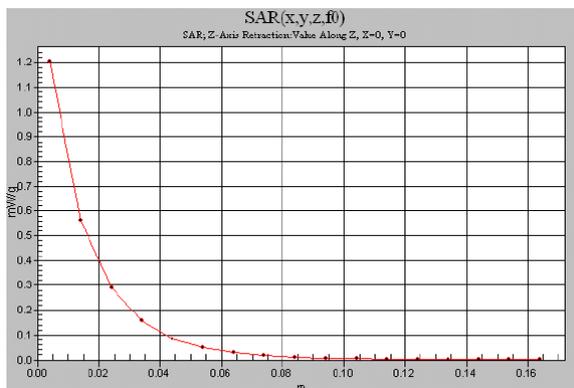
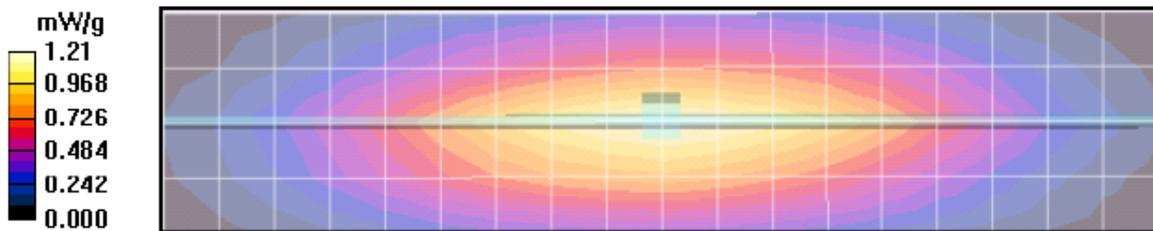
Comments:

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
Electronics: DAE3 Sn374, Calibrated: 2/23/2011
Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 54.9$; $\rho = 1000$ kg/m³

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 35.9 V/m; Power Drift = 0.00592 dB
Peak SAR (extrapolated) = 1.74 W/kg
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.752 mW/g
Maximum value of SAR (measured) = 1.21 mW/g

System Performance Check/Dipole Area Scan 2 (5x19x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.20 mW/g

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



Motorola Solutions, Inc. EME Laboratory
 Date/Time: 8/11/2011 7:00:21 AM

Robot# / Run#: DASY4-PG-1 / CcC-SYSP-450B-110811-01
 Phantom# / Tissue Temp.: ELI4 1050 / 20.9 (C)
 Dipole Model# / Serial#: D450V3 / 1053
 TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.48 mW/g (1g)
 Adjusted SAR (1W): 4.28 mW/g (1g)
 Percent from Target (+/-): 4.40 % (1g)
 Rotation (1D): 0.048 dB

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: 1.071 mW/g (1g); 0.710 mW/g (10g)

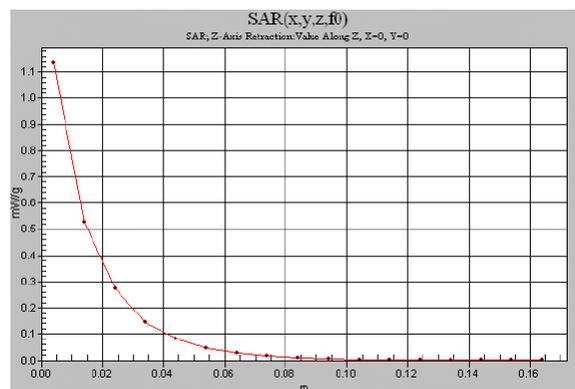
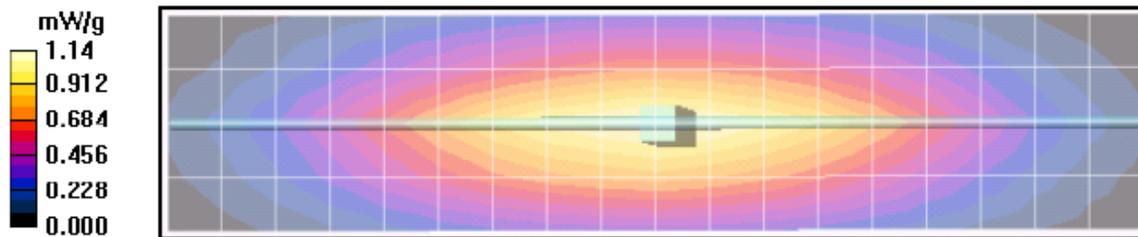
Comments:

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 35.1 V/m; Power Drift = -0.00204 dB
 Peak SAR (extrapolated) = 1.63 W/kg
 SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.706 mW/g
 Maximum value of SAR (measured) = 1.14 mW/g

System Performance Check/Dipole Area Scan 2 (5x19x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.13 mW/g

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



Motorola Solutions, Inc. EME Laboratory
 Date/Time: 8/12/2011 6:19:06 AM

Robot# / Run#: DASY4-PG-1 / CcC-SYSP-450H-110812-01
 Phantom# / Tissue Temp.: ELI4 1037 / 21.4 (C)
 Dipole Model# / Serial#: D450V3 / 1053
 TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.59 mW/g (1g)
 Adjusted SAR (1W): 4.50 mW/g (1g)
 Percent from Target (+/-): 1.90 % (1g)
 Rotation (1D): 0.042 dB

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: 1.126 mW/g (1g); 0.748 mW/g (10g)

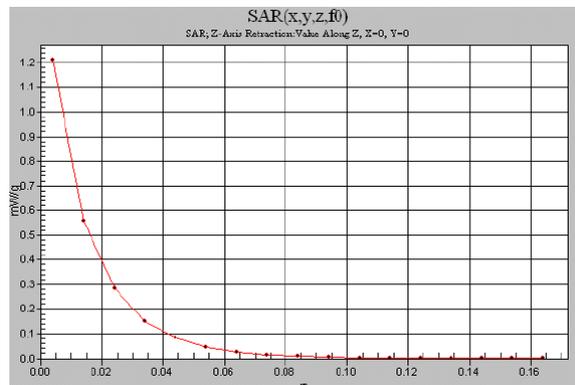
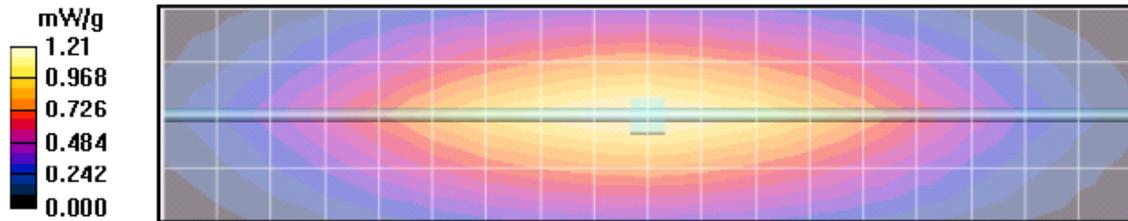
Comments:

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.43, 6.43, 6.43)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.86$ mho/m; $\epsilon_r = 42.9$; $\rho = 1000$ kg/m³

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 37.7 V/m; Power Drift = 0.0194 dB
 Peak SAR (extrapolated) = 1.71 W/kg
 SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.746 mW/g
 Maximum value of SAR (measured) = 1.21 mW/g

System Performance Check/Dipole Area Scan 2 (5x19x1): 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: 8/13/2011 7:58:29 AM

Robot# / Run#: DASY4-PG-1 / Lee-SYSP-450B-110813-01
Phantom# / Tissue Temp.: ELI4 1103 / 21.7 (C)
Dipole Model# / Serial#: D450V3 / 1053
TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.48 mW/g (1g)
Adjusted SAR (1W): 4.20 mW/g (1g)
Percent from Target (+/-): 6.20 % (1g)
Rotation (1D): 0.056 dB

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: 1.051 mW/g (1g); 0.696 mW/g (10g)

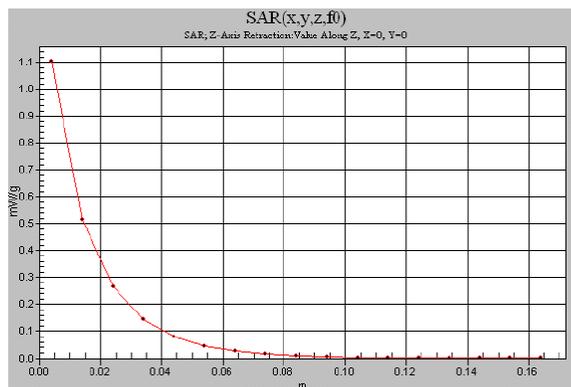
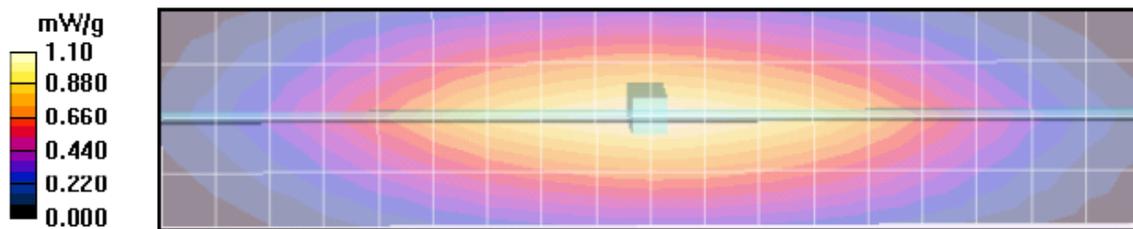
Comments:

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
Electronics: DAE3 Sn374, Calibrated: 2/23/2011
Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 34.7 V/m; Power Drift = 0.0115 dB
Peak SAR (extrapolated) = 1.59 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.692 mW/g
Maximum value of SAR (measured) = 1.11 mW/g

System Performance Check/Dipole Area Scan 2 (5x19x1): 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) = 1.10 mW/g



Motorola Solutions, Inc. EME Laboratory
Date/Time: 9/30/2011 10:38:14 AM

Robot# / Run#: DASY4-PG-1 / Lee-SYSP-450B-110930-01
Phantom# / Tissue Temp.: ELI4 1103 / 21.2 (C)
Dipole Model# / Serial#: D450V3 / 1053
TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.48 mW/g (1g)
Adjusted SAR (1W): 4.26 mW/g (1g)
Percent from Target (+/-): 4.80 % (1g)
Rotation (1D): 0.043 dB

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: 1.066 mW/g (1g); 0.708 mW/g (10g)

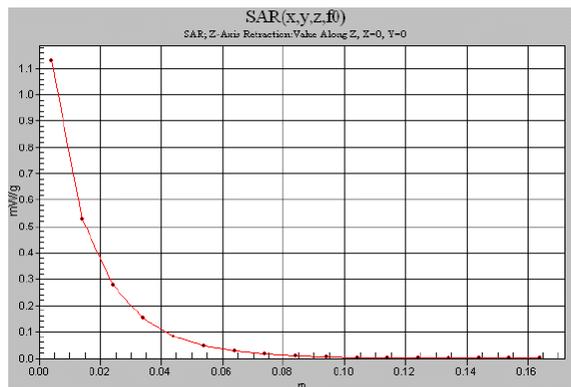
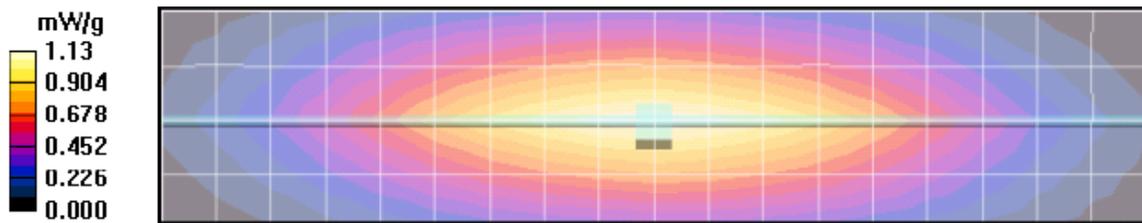
Comments:

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
Electronics: DAE3 Sn374, Calibrated: 2/23/2011
Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 34.8 V/m; Power Drift = 0.00752 dB
Peak SAR (extrapolated) = 1.62 W/kg
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.706 mW/g
Maximum value of SAR (measured) = 1.13 mW/g

System Performance Check/Dipole Area Scan 2 (5x19x1): 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: 10/3/2011 7:04:43 AM

Robot# / Run#: DASY4-PG-1 / CcC-SYSP-450B-111003-01
Phantom# / Tissue Temp.: ELI4 1103 / 20.8 (C)
Dipole Model# / Serial#: D450V3 / 1053
TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.48 mW/g (1g)
Adjusted SAR (1W): 4.32 mW/g (1g)
Percent from Target (+/-): 3.60 % (1g)
Rotation (1D): 0.038 dB

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: 1.080 mW/g (1g); 0.724 mW/g (10g)

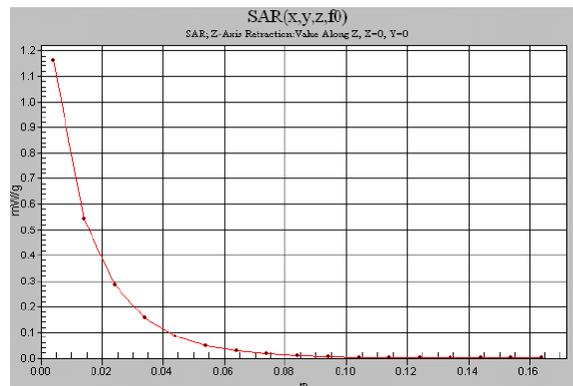
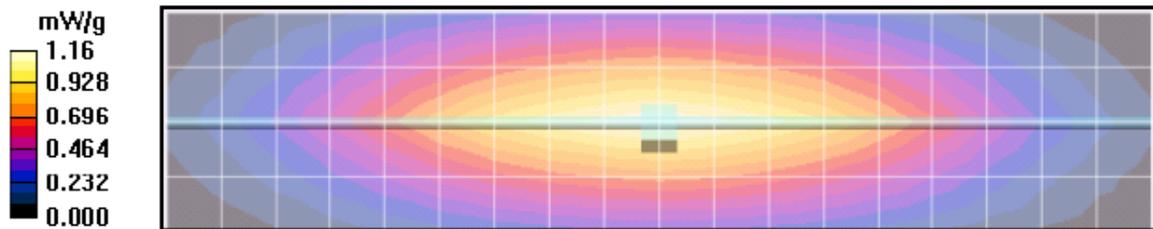
Comments:

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
Electronics: DAE3 Sn374, Calibrated: 2/23/2011
Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 55.5$; $\rho = 1000$ kg/m³

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 35.1 V/m; Power Drift = -0.00581 dB
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.724 mW/g
Maximum value of SAR (measured) = 1.15 mW/g

System Performance Check/Dipole Area Scan 2 (5x19x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.16 mW/g

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



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/4/2011 9:56:49 AM

Robot# / Run#: DASY4-PG-1 / Lee-SYSP-450H-111004-01
 Phantom# / Tissue Temp.: ELI4 1028 / 21.3 (C)
 Dipole Model# / Serial#: D450V3 / 1053
 TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.58 mW/g (1g)
 Adjusted SAR (1W): 4.48 mW/g (1g)
 Percent from Target (+/-): 2.20 % (1g)
 Rotation (1D): 0.038 dB

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: 1.120 mW/g (1g); 0.744 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.43, 6.43, 6.43)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.87$ mho/m; $\epsilon_r = 43.5$; $\rho = 1000$ kg/m³

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

Reference Value = 37.3 V/m; Power Drift = 0.0137 dB

Peak SAR (extrapolated) = 1.69 W/kg

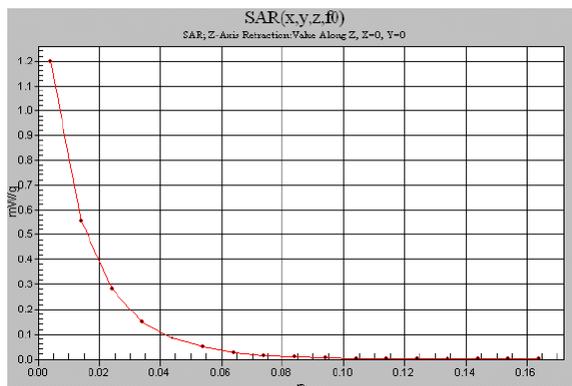
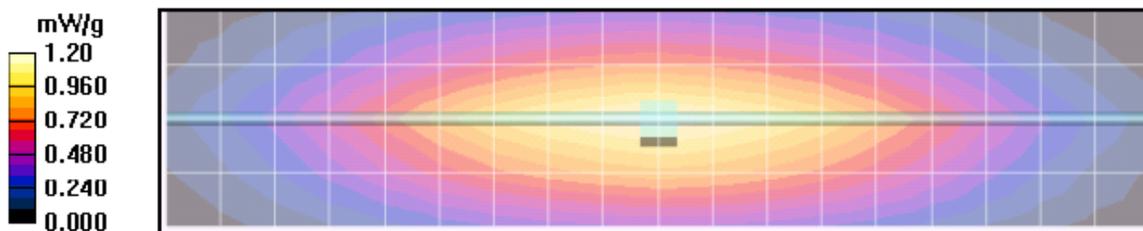
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.744 mW/g

Maximum value of SAR (measured) = 1.20 mW/g

System Performance Check/Dipole Area Scan 2 (5x19x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.19 mW/g

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



Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/28/2011 8:03:03 AM

Robot# / Run#: DASY4-PG-1 / CcC-SYSP-450B-111228-01
Phantom# / Tissue Temp.: ELI4 1050 / 20.9 (C)
Dipole Model# / Serial#: D450V3 / 1053
TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.40 mW/g (1g)
Adjusted SAR (1W): 4.46 mW/g (1g)
Percent from Target (+/-): 1.50 % (1g)
Rotation (1D): 0.049 dB

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: 1.116 mW/g (1g); 0.741 mW/g (10g)

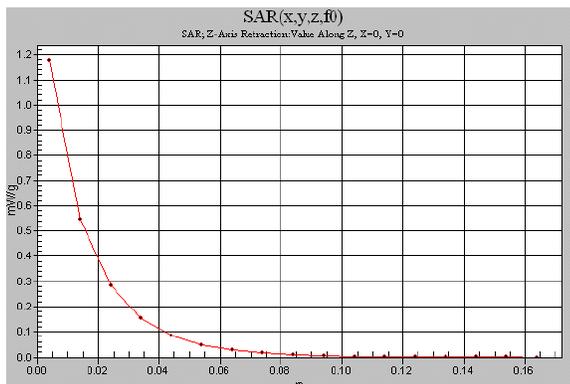
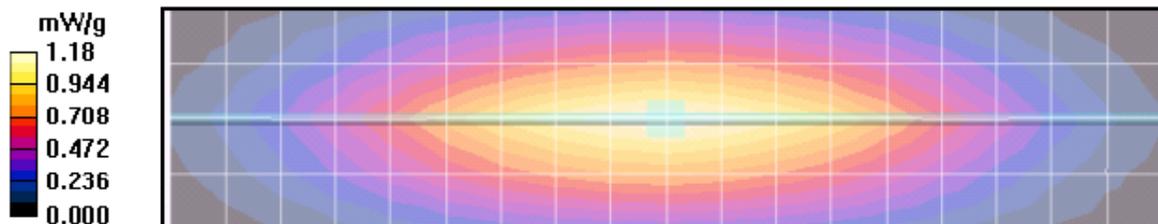
Comments:

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
Electronics: DAE3 Sn374, Calibrated: 2/23/2011
Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 35.7 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 1.72 W/kg
SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.739 mW/g
Maximum value of SAR (measured) = 1.19 mW/g

System Performance Check/Dipole Area Scan 2 (5x19x1): 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) = 1.18 mW/g



Motorola Solutions, Inc. EME Laboratory
 Date/Time: 1/20/2012 3:33:44 PM

Robot# / Run#: DASY4-PG-1 / CcC-SYSP-450B-120120-01
 Phantom# / Tissue Temp.: ELI4 1050 / 21.8 (C)
 Dipole Model# / Serial#: D450V3 / 1053
 TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.40 mW/g (1g)
 Adjusted SAR (1W): 4.43 mW/g (1g)
 Percent from Target (+/-): 0.60 % (1g)
 Rotation (1D): 0.047 dB

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: 1.107 mW/g (1g); 0.738 mW/g (10g)

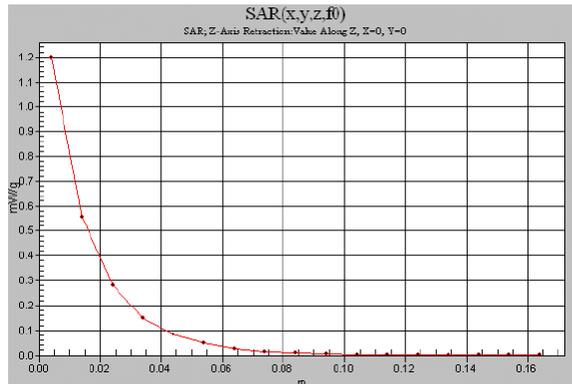
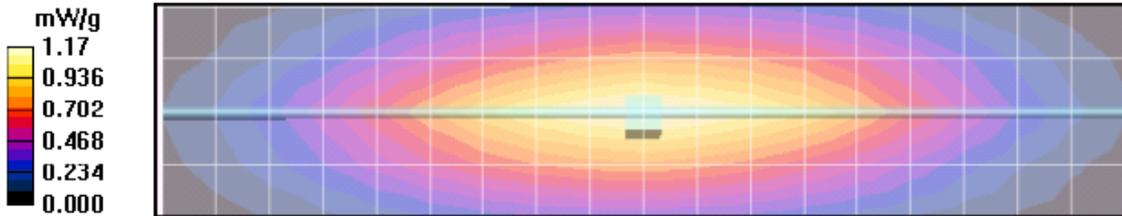
Comments:

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 55$; $\rho = 1000$ kg/m³

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 35.8 V/m; Power Drift = -0.00415 dB
 Peak SAR (extrapolated) = 1.67 W/kg
 SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.731 mW/g
 Maximum value of SAR (measured) = 1.17 mW/g

System Performance Check/Dipole Area Scan 2 (5x19x1): Measurement grid: dx=15mm, dy=15mm

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



DIPOLE SAR TARGET - HEAD

Date: 05/09/11 Frequency (MHz): 450
 Lab Location: PG-EMS Mixture Type: IEEE Head
 DAE Serial #: 374 Ambient Temp.(°C): 21.5

Tissue Characteristics
 Permittivity: 43.6 Phantom Type/SN: ELI4 1050
 Conductivity: 0.84 Distance (mm): 15
 Tissue Temp.(°C): 21.5

Reference Source: Dipole Power to Dipole: 250 mW
 Reference SN: 1053

Target 1g-SAR Value (mW/g, normalized to 1.0 W):

4.58

Difference from Target

0.22% (1g-SAR)

New Target:

Average 1g-SAR Value (mW/g): **4.59**

Passes K=2

Percent Difference From Target (MUST be within k=2 Uncertainty):

Probe SN #s	1g-SAR (Cube)	Diff from Ave	Robot
3096	4.63	0.9%	R2
3122	4.55	-0.9%	R2
Average	4.5900	New Measured SAR Value	

(normalized to 1.0 W)

Test performed by: Lee Soon Hock Initial: llh 05.09.11

DIPOLE SAR TARGET - BODY

Date: 05/09/11 Frequency (MHz): 450
 Lab Location: PG-EMS Mixture Type: Body
 DAE Serial #: 374 Ambient Temp.(°C): 21.6

Tissue Characteristics
 Permittivity: 55.7 Phantom Type/SN: ELI4 1103
 Conductivity: 0.93 Distance (mm): 15
 Tissue Temp.(°C): 21.2

Reference Source: Dipole Power to Dipole: 250 mW
 Reference SN: 1053

New Target:

Average Measured SAR Value: 4.48 mW/g(1g avg.),

Probe SN #s	1-G Cube	Diff from Ave	Robot
3096	4.58	2.2%	R2
3122	4.38	-2.2%	R2
Average		New Measured SAR Value	

(normalized to 1.0 W)

Test performed by: Patrick Saw Initial: *AS* 05.09.11

DIPOLE SAR TARGET - HEAD

Date: 09/08/11 Frequency (MHz): 450
 Lab Location: PG-EMS Mixture Type: IEEE Head
 DAE Serial #: 374 Ambient Temp.(°C): 21.5

Tissue Characteristics
 Permittivity: 43.6 Phantom Type/SN: ELI4 1037
 Conductivity: 0.87 Distance (mm): 15
 Tissue Temp.(°C): 21.1

Reference Source: Dipole Power to Dipole: 250 mW
 Reference SN: 1053

Target 1g-SAR Value (mW/g, normalized to 1.0 W):

4.58

Difference from Target

-2.18% (1g-SAR)

New Target:

Average 1g-SAR Value (mW/g): **4.48**

Passes K=2

Percent Difference From Target (MUST be within k=2 Uncertainty):

Probe SN #s	1g-SAR (Cube)	Diff from Ave	Robot
3196	4.48	0.0%	R1
3122	4.48	0.0%	R1
Average	4.4800	New Measured SAR Value	

(normalized to 1.0 W)

Test performed by: **CC Chang, Lee Soon Hock** Initial: ll 09/08/2011 *C.C. 09-08-11*

DIPOLE SAR TARGET - BODY

Date: 09/09/11 Frequency (MHz): 450
 Lab Location: PG-EMS Mixture Type: Body
 DAE Serial #: 374 Ambient Temp.(°C): 21.6

Tissue Characteristics
 Permittivity: 55.2 Phantom Type/SN: ELI4 1103
 Conductivity: 0.94 Distance (mm): 15
 Tissue Temp.(°C): 21.3

Reference Source: Dipole Power to Dipole: 250 mW
 Reference SN: 1053

New Target:
 Average Measured SAR Value: 4.40 mW/g(1g avg.),

Probe SN #s	1-G Cube	Diff from Ave	Robot
3196	4.40	0.0%	R1
3122	4.40	0.0%	R1
Average		New Measured SAR Value	

(normalized to 1.0 W)

Test performed by: CC Chang Initial: C.C. 09-09-11

Appendix E
FCC Part 90 (406.1 – 512 MHz)
DUT Scans (Shortened Scan and Highest SAR configurations)

Shortened Scan Result
Section 13.19, Table 44
Motorola Solutions, Inc. EME Laboratory
 Date/Time: 8/13/2011 9:20:10 AM

Robot# / Run#: DASY4-PG-1 / Lee-AB-110813-03
 Phantom# / Tissue Temp.: ELI4 1103/ 20.8 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0025
 Antenna / TX Freq.: PMAE4071A / 496.000 (MHz)
 Battery: PMNN4417A
 Carry Acc. / Cable Acc.: HLN6602A / PMLN5727A
 Start Power: 4.75 (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: 6.470 mW/g (1g); 4.720 mW/g (10g)

Comments: Shorten scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: f = 496 MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 54.1$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 86.4 V/m; Power Drift = -0.371 dB
Motorola Fast SAR: SAR(1 g) = 6.78 mW/g; SAR(10 g) = 4.97 mW/g
 Maximum value of SAR (interpolated) = 7.15 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 86.4 V/m; Power Drift = -0.429 dB
 Peak SAR (extrapolated) = 6.89 W/kg
Motorola Fast SAR: SAR(1 g) = 6.58 mW/g; SAR(10 g) = 4.81 mW/g
 Maximum value of SAR (interpolated) = 6.89 mW/g

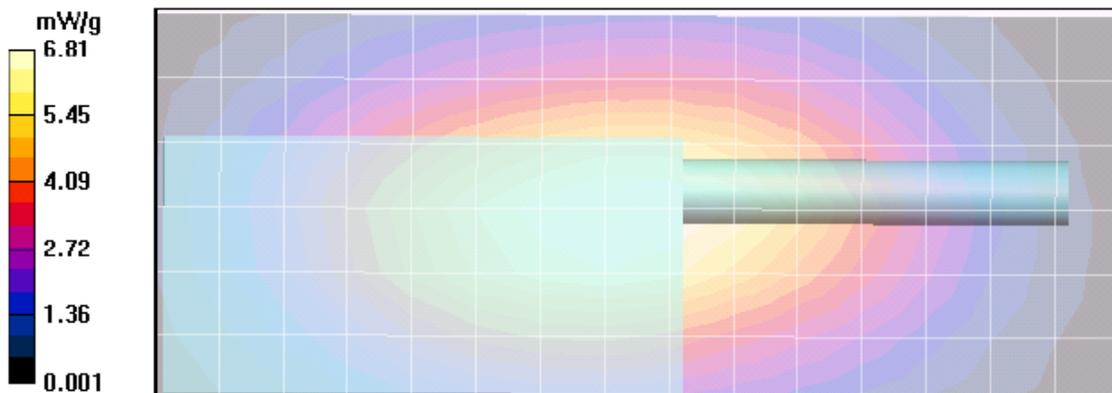
Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 86.1 V/m; Power Drift = -0.239 dB
 Peak SAR (extrapolated) = 8.87 W/kg
SAR(1 g) = 6.47 mW/g; SAR(10 g) = 4.72 mW/g
 Maximum value of SAR (measured) = 6.81 mW/g

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

Shortened scan reflect highest SAR producing configuration; approximate run time is 6 minutes.
 Representative full scan run time was 20 minutes.

“Shortened” scan max calculated SAR using SAR drift: 1-g Avg. = 3.45 mW/g; 10-g Avg. = 2.52 mW/g.

Zoom scan max calculated SAR using SAR drift (see part 1 section 13.8): 1-g Avg. = 3.90 mW/g; 10-g Avg. = 2.84 mW/g. (Run# PS-AB-110809-15, Table 26)



Shortened Scan Result
Section 13.19, Table 44
Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/20/2012 4:52:24 PM

Robot# / Run#: DASY4-PG-1 / CcC-AB-120120-03
Phantom# / Tissue Temp.: ELI4 1103/ 21.0 (C)
DUT Model# / Serial#: PMUE3838A / 446TMM0023
Antenna / TX Freq.: PMAE4070A / 450.000 (MHz)
Battery: PMNN4417A
Carry Acc. / Cable Acc.: HLN6602A / PMLN5727A
Start Power: 4.72 (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: 8.890 mW/g (1g); 6.469 mW/g (10g)

Comments: Shorten scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)

Electronics: DAE3 Sn374, Calibrated: 2/23/2011

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 55$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 93.2 V/m; Power Drift = -0.274 dB

Motorola Fast SAR: SAR(1 g) = 7.96 mW/g; SAR(10 g) = 5.84 mW/g

Maximum value of SAR (interpolated) = 8.40 mW/g

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

Reference Value = 93.2 V/m; Power Drift = -0.334 dB

Peak SAR (extrapolated) = 8.09 W/kg

Motorola Fast SAR: SAR(1 g) = 7.72 mW/g; SAR(10 g) = 5.66 mW/g

Maximum value of SAR (interpolated) = 8.09 mW/g

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

Reference Value = 101.9 V/m; Power Drift = -0.189 dB

Peak SAR (extrapolated) = 12.0 W/kg

SAR(1 g) = 8.75 mW/g; SAR(10 g) = 6.41 mW/g

Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.

Maximum value of SAR (measured) = 9.19 mW/g

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

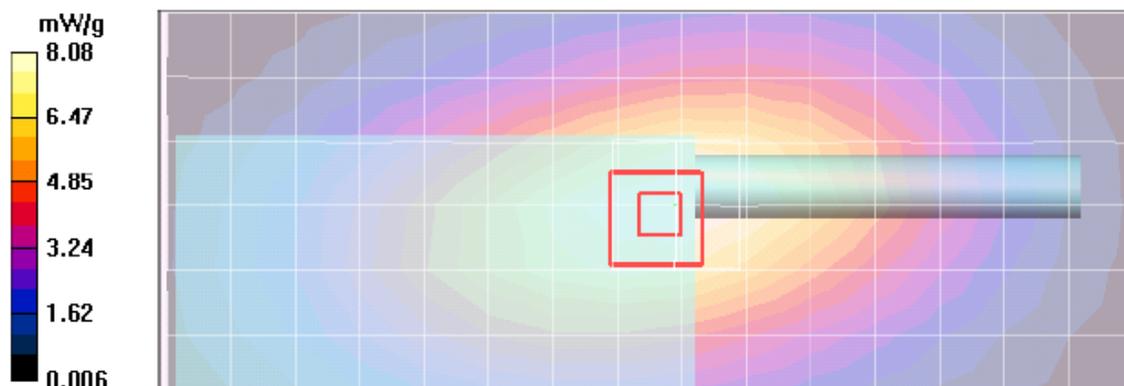
Maximum value of SAR (measured) = 8.08 mW/g

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

Representative full scan run time was 20 minutes.

“Shortened” scan max calculated SAR using SAR drift: 1-g Avg. = 4.72 mW/g; 10-g Avg. = 3.44 mW/g.

Zoom scan max calculated SAR using SAR drift (see part 1 section 13.18): 1-g Avg. = 4.70 mW/g; 10-g Avg. = 3.41 mW/g. (Run# CcC-AB-111003-02, Table 42)



Body - Highest SAR Configuration Result Section 13.18, Table 42

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/3/2011 7:34:33 AM

Robot# / Run#: DASY4-PG-1 / CcC-AB-111003-02
Phantom# / Tissue Temp.: ELI4 1103/ 21.0 (C)
DUT Model# / Serial#: PMUE3838A / 446TMM0023
Antenna / TX Freq.: PMAE4070A / 450.000 (MHz)
Battery: PMNN4417A
Carry Acc. / Cable Acc.: HLN6602A / PMLN5727A
Start Power: 4.73 (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: 8.370 mW/g (1g); 6.080 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)

Electronics: DAE3 Sn374, Calibrated: 2/23/2011

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 55.5$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 97.5 V/m; Power Drift = -0.289 dB

Motorola Fast SAR: SAR(1 g) = 8.75 mW/g; SAR(10 g) = 6.41 mW/g

Maximum value of SAR (interpolated) = 9.24 mW/g

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

Reference Value = 97.5 V/m; Power Drift = -0.346 dB

Peak SAR (extrapolated) = 8.95 W/kg

Motorola Fast SAR: SAR(1 g) = 8.54 mW/g; SAR(10 g) = 6.24 mW/g

Maximum value of SAR (interpolated) = 8.95 mW/g

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

Reference Value = 97.5 V/m; Power Drift = -0.438 dB

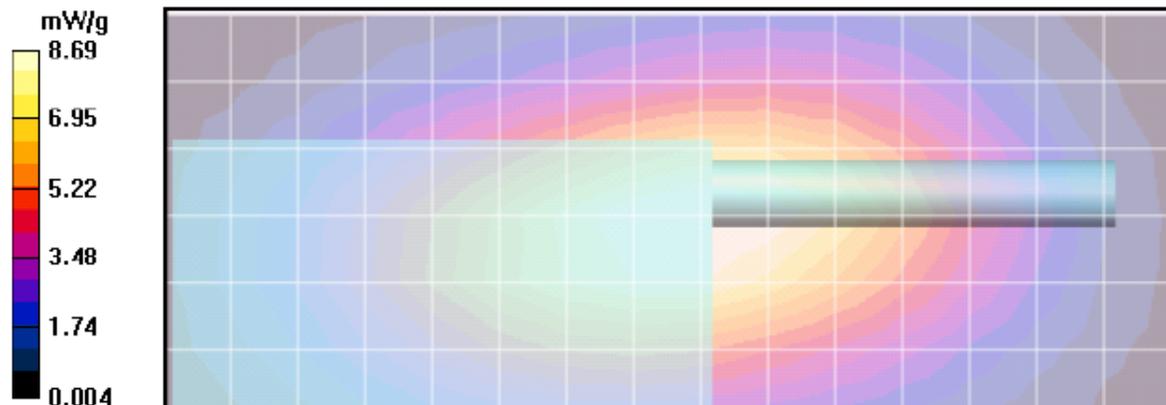
Peak SAR (extrapolated) = 11.6 W/kg

SAR(1 g) = 8.37 mW/g; SAR(10 g) = 6.08 mW/g

Maximum value of SAR (measured) = 8.82 mW/g

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

Maximum value of SAR (measured) = 8.69 mW/g



**Face - Highest SAR Configuration Result
Section 13.18, Table 43**

**Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/20/2012 8:44:36 PM**

Robot# / Run#: DASY4-PG-1 / CcC-FACE-120120-06
Phantom# / Tissue Temp.: ELI4 1028 / 20.1 (C)
DUT Model# / Serial#: PMUE3838A / 446TMM0026
Antenna / TX Freq.: PMAE4070A / 460.000 (MHz)
Battery: PMNN4418A
Carry Acc. / Cable Acc.: NONE / NONE
Start Power: 4.82 (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: 7.838 mW/g (1g); 5.777 mW/g (10g)

Comments: Full scan.

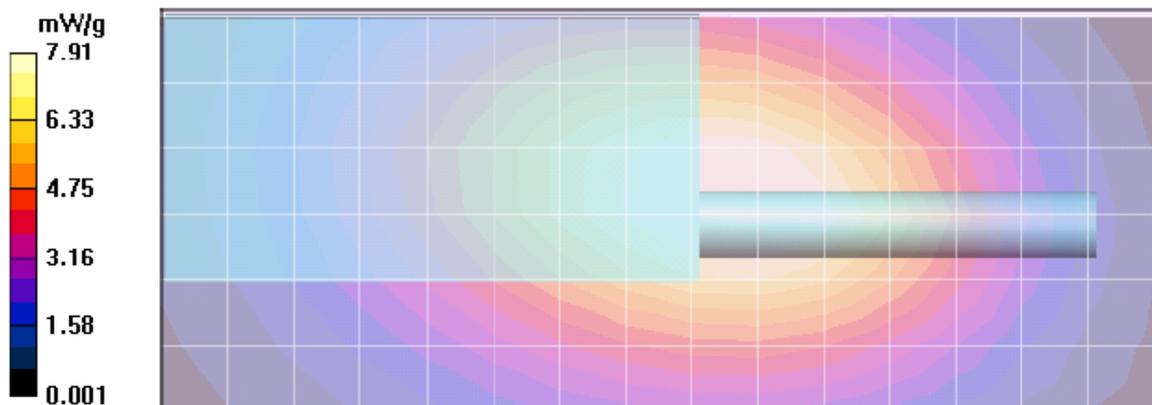
Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.43, 6.43, 6.43)
Electronics: DAE3 Sn374, Calibrated: 2/23/2011
Duty Cycle: 1:1, Medium parameters used: $f = 460$ MHz; $\sigma = 0.85$ mho/m; $\epsilon_r = 44.4$; $\rho = 1000$ kg/m³

Face Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 102.1 V/m; Power Drift = -0.360 dB
Motorola Fast SAR: SAR(1 g) = 8.07 mW/g; SAR(10 g) = 5.97 mW/g
Maximum value of SAR (interpolated) = 8.50 mW/g

Face Scan/2-Volume Scan 2D (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 102.1 V/m; Power Drift = -0.422 dB
Peak SAR (extrapolated) = 8.20 W/kg
Motorola Fast SAR: SAR(1 g) = 7.84 mW/g; SAR(10 g) = 5.8 mW/g
Maximum value of SAR (interpolated) = 8.20 mW/g

Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 102.1 V/m; Power Drift = -0.533 dB
Peak SAR (extrapolated) = 10.2 W/kg
SAR(1 g) = 7.68 mW/g; SAR(10 g) = 5.7 mW/g
Maximum value of SAR (measured) = 8.07 mW/g

Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 7.91 mW/g



APPENDIX F
DUT Scans - FCC Part 90 (406.1 – 512 MHz)

Section 13.2, Table 13
Assessments at the Body with Body worn PMLN4651A
Motorola Solutions, Inc. EME Laboratory
 Date/Time: 8/5/2011 5:21:07 PM

Robot# / Run#: DASY4-PG-1 / CcC-AB-110805-04
 Phantom# / Tissue Temp.: ELI4 1050 / 21.2 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0025
 Antenna / TX Freq.: PMAE4069A / 406.100 (MHz)
 Battery: PMNN4416A
 Carry Acc. / Cable Acc.: PMLN4651A / PMLN5727A
 Start Power: 4.86 (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: 4.007 mW/g (1g); 2.877 mW/g (10g)

Comments: Full scan.

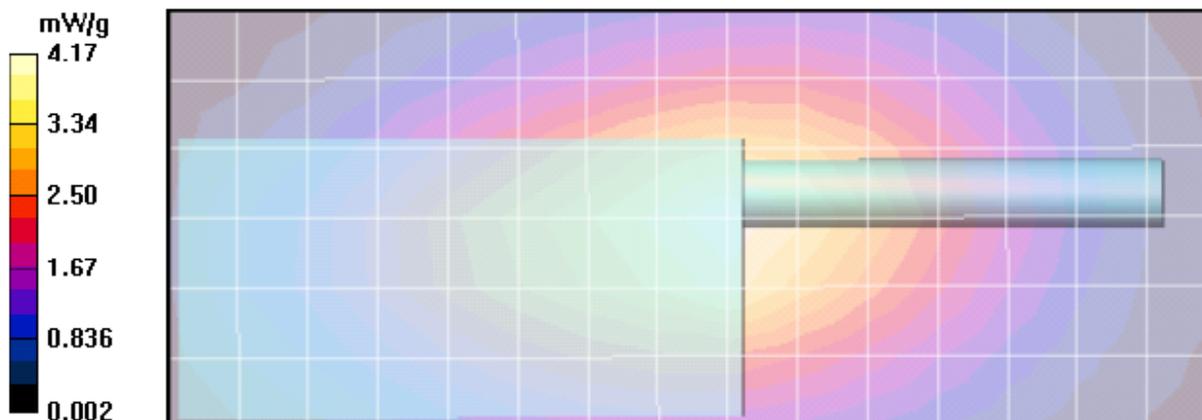
Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: $f = 406.1$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 55.7$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 62.8 V/m; Power Drift = -0.061 dB
Motorola Fast SAR: SAR(1 g) = 3.95 mW/g; SAR(10 g) = 2.88 mW/g
 Maximum value of SAR (interpolated) = 4.18 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 62.8 V/m; Power Drift = -0.078 dB
 Peak SAR (extrapolated) = 4.20 W/kg
Motorola Fast SAR: SAR(1 g) = 3.98 mW/g; SAR(10 g) = 2.88 mW/g
 Maximum value of SAR (interpolated) = 4.20 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 62.8 V/m; Power Drift = -0.114 dB
 Peak SAR (extrapolated) = 5.51 W/kg
SAR(1 g) = 3.94 mW/g; SAR(10 g) = 2.85 mW/g
 Maximum value of SAR (measured) = 4.18 mW/g

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



Section 13.2, Table 14
Assessments at the Body with Body worn PMLN4651A (additional batteries)
Motorola Solutions, Inc. EME Laboratory
 Date/Time: 8/5/2011 7:19:58 PM

Robot# / Run#: DASY4-PG-1 / CcC-AB-110805-07
 Phantom# / Tissue Temp.: ELI4 1050 / 21.2 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0025
 Antenna / TX Freq.: PMAE4069A / 406.100 (MHz)
 Battery: PMNN4417A
 Carry Acc. / Cable Acc.: PMLN4651A / PMLN5727A
 Start Power: 4.84 (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: 4.098 mW/g (1g); 2.967 mW/g (10g)

Comments: Full scan.

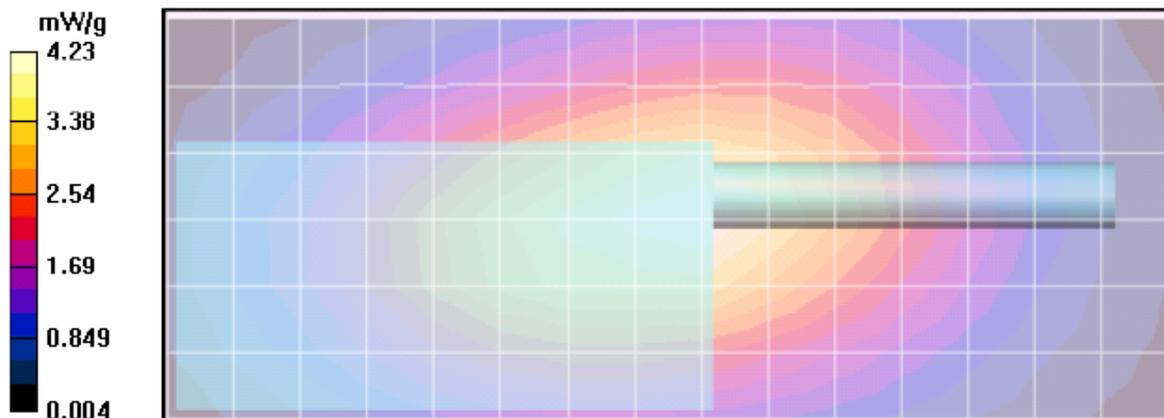
Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: $f = 406.1$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 55.7$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 67.6 V/m; Power Drift = -0.0774 dB
Motorola Fast SAR: SAR(1 g) = 4.07 mW/g; SAR(10 g) = 2.98 mW/g
 Maximum value of SAR (interpolated) = 4.30 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 67.6 V/m; Power Drift = -0.0988 dB
 Peak SAR (extrapolated) = 4.30 W/kg
Motorola Fast SAR: SAR(1 g) = 4.09 mW/g; SAR(10 g) = 2.98 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 67.6 V/m; Power Drift = -0.152 dB
 Peak SAR (extrapolated) = 5.60 W/kg
SAR(1 g) = 4.03 mW/g; SAR(10 g) = 2.94 mW/g
 Maximum value of SAR (measured) = 4.26 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 4.23 mW/g



Section 13.3, Table 15 Assessments at the Body with Body worn PMLN7008A

Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/5/2011 8:30:48 PM

Robot# / Run#: DASY4-PG-1 / CcC-AB-110805-09
Phantom# / Tissue Temp.: ELI4 1050 / 21.1 (C)
DUT Model# / Serial#: PMUE3838A / 446TMM0025
Antenna / TX Freq.: PMAE4071A / 496.000 (MHz)
Battery: PMNN4416A
Carry Acc. / Cable Acc.: PMLN7008A / PMLN5727A
Start Power: 4.98 (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: 3.770 mW/g (1g); 2.770 mW/g (10g)

Comments: Full scan.

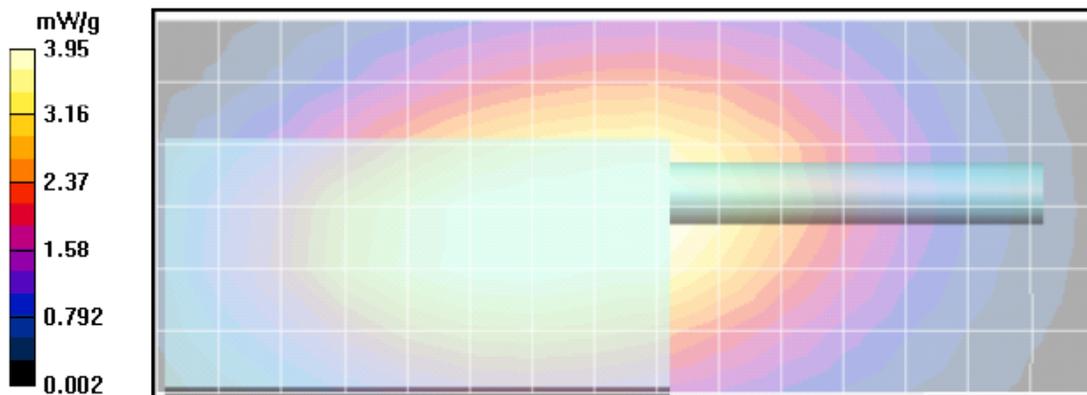
Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
Electronics: DAE3 Sn374, Calibrated: 2/23/2011
Duty Cycle: 1:1, Medium parameters used: $f = 496$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 65.7 V/m; Power Drift = -0.350 dB
Motorola Fast SAR: SAR(1 g) = 3.99 mW/g; SAR(10 g) = 2.93 mW/g
Maximum value of SAR (interpolated) = 4.23 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 65.7 V/m; Power Drift = -0.399 dB
Peak SAR (extrapolated) = 4.05 W/kg
Motorola Fast SAR: SAR(1 g) = 3.86 mW/g; SAR(10 g) = 2.82 mW/g
Maximum value of SAR (interpolated) = 4.05 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 65.7 V/m; Power Drift = -0.480 dB
Peak SAR (extrapolated) = 5.23 W/kg
SAR(1 g) = 3.77 mW/g; SAR(10 g) = 2.77 mW/g
Maximum value of SAR (measured) = 3.97 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.95 mW/g



Section 13.3, Table 16
Assessments at the Body with Body worn PMLN7008A (additional batteries)
Motorola Solutions, Inc. EME Laboratory
 Date/Time: 8/7/2011 1:00:53 PM

Robot# / Run#: DASY4-PG-1 / Lee-AB-110807-08
 Phantom# / Tissue Temp.: ELI4 1050 / 20.6 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0025
 Antenna / TX Freq.: PMAE4071A / 496.000 (MHz)
 Battery: PMNN4417A
 Carry Acc. / Cable Acc.: PMLN7008A / PMLN5727A
 Start Power: 4.81 (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: 5.150 mW/g (1g); 3.750 mW/g (10g)

Comments: Full scan.

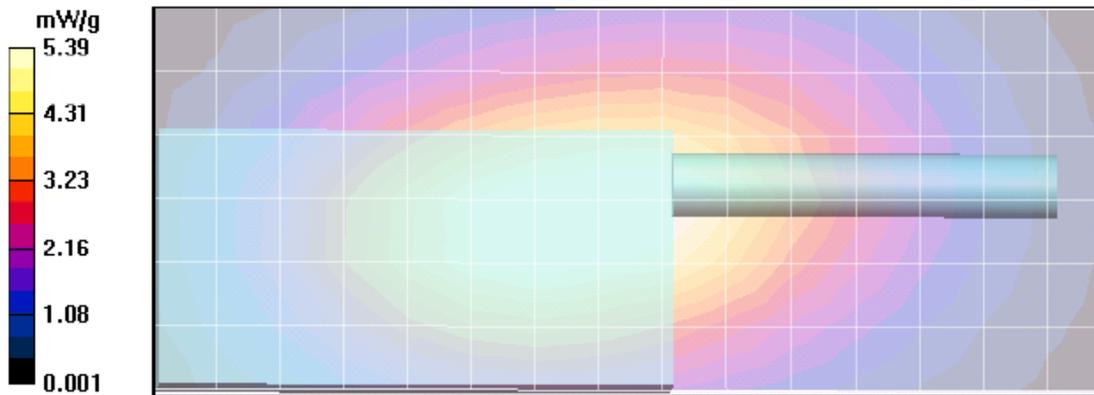
Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: f = 496 MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54.1$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 76.3 V/m; Power Drift = -0.324 dB
Motorola Fast SAR: SAR(1 g) = 5.42 mW/g; SAR(10 g) = 3.97 mW/g
 Maximum value of SAR (interpolated) = 5.75 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 76.3 V/m; Power Drift = -0.370 dB
 Peak SAR (extrapolated) = 5.61 W/kg
Motorola Fast SAR: SAR(1 g) = 5.29 mW/g; SAR(10 g) = 3.83 mW/g
 Maximum value of SAR (interpolated) = 5.61 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 76.3 V/m; Power Drift = -0.463 dB
 Peak SAR (extrapolated) = 7.45 W/kg
SAR(1 g) = 5.15 mW/g; SAR(10 g) = 3.75 mW/g
 Maximum value of SAR (measured) = 5.45 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 5.39 mW/g



**Section 13.4, Table 17
Assessments at the body with Body worn PMLN5864A**

**Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/8/2011 7:26:24 AM**

Robot# / Run#: DASY4-PG-1 / CcC-AB-110808-02
Phantom# / Tissue Temp.: ELI4 1050 / 21.1 (C)
DUT Model# / Serial#: PMUE3838A / 446TMM0025
Antenna / TX Freq.: PMAE4071A / 496.000 (MHz)
Battery: PMNN4416A
Carry Acc. / Cable Acc.: PMLN5864A / PMLN5727A
Start Power: 4.93 (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: 2.430 mW/g (1g); 1.800 mW/g (10g)

Comments: Full scan.

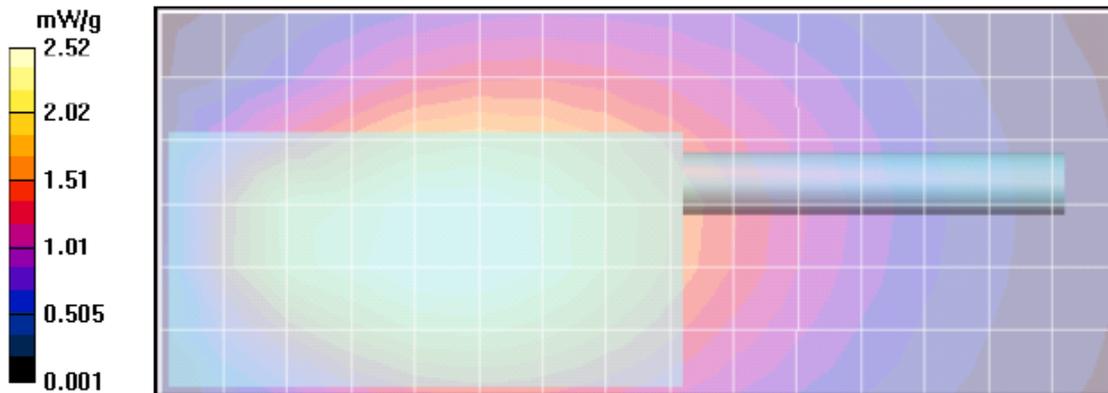
Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
Electronics: DAE3 Sn374, Calibrated: 2/23/2011
Duty Cycle: 1:1, Medium parameters used: f = 496 MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 47.1 V/m; Power Drift = -0.250 dB
Motorola Fast SAR: SAR(1 g) = 2.51 mW/g; SAR(10 g) = 1.85 mW/g
Maximum value of SAR (interpolated) = 2.64 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 47.1 V/m; Power Drift = -0.286 dB
Peak SAR (extrapolated) = 2.58 W/kg
Motorola Fast SAR: SAR(1 g) = 2.46 mW/g; SAR(10 g) = 1.82 mW/g
Maximum value of SAR (interpolated) = 2.58 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 47.1 V/m; Power Drift = -0.369 dB
Peak SAR (extrapolated) = 3.30 W/kg
SAR(1 g) = 2.43 mW/g; SAR(10 g) = 1.8 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.52 mW/g



Section 13.4, Table 18
Assessment at the Body with Body worn PMLN5864A (additional batteries)
Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/8/2011 10:20:58 AM

Robot# / Run#: DASY4-PG-1 / CcC-AB-110808-07
 Phantom# / Tissue Temp.: ELI4 1050 / 20.8 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0025
 Antenna / TX Freq.: PMAE4071A / 496.000 (MHz)
 Battery: PMNN4417A
 Carry Acc. / Cable Acc.: PMLN5864A / PMLN5727A
 Start Power: 4.96 (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: 2.780 mW/g (1g); 2.070 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)

Electronics: DAE3 Sn374, Calibrated: 2/23/2011

Duty Cycle: 1:1, Medium parameters used: $f = 496$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 52.2 V/m; Power Drift = -0.331 dB

Motorola Fast SAR: SAR(1 g) = 2.92 mW/g; SAR(10 g) = 2.16 mW/g

Maximum value of SAR (interpolated) = 3.07 mW/g

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

Reference Value = 52.2 V/m; Power Drift = -0.374 dB

Peak SAR (extrapolated) = 2.97 W/kg

Motorola Fast SAR: SAR(1 g) = 2.83 mW/g; SAR(10 g) = 2.09 mW/g

Maximum value of SAR (interpolated) = 2.97 mW/g

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

Reference Value = 52.2 V/m; Power Drift = -0.455 dB

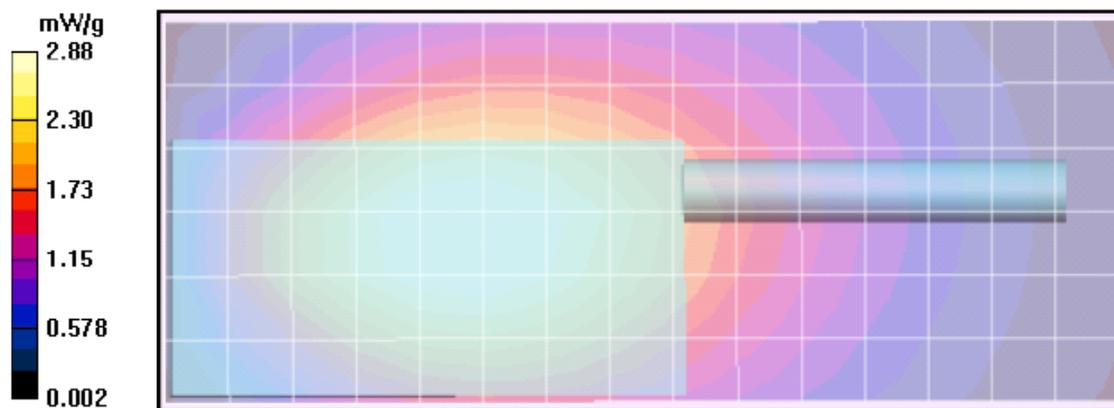
Peak SAR (extrapolated) = 3.73 W/kg

SAR(1 g) = 2.78 mW/g; SAR(10 g) = 2.07 mW/g

Maximum value of SAR (measured) = 2.91 mW/g

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

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



Section 13.5, Table 19
Assessment at the Body with Body worn PMLN5866A
Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/8/2011 12:25:29 PM

Robot# / Run#: DASY4-PG-1 / CcC-AB-110808-09
 Phantom# / Tissue Temp.: ELI4 1050 / 20.9 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0025
 Antenna / TX Freq.: PMAE4071A / 496.000 (MHz)
 Battery: PMNN4416A
 Carry Acc. / Cable Acc.: PMLN5866A / PMLN5727A
 Start Power: 4.98 (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: 1.550 mW/g (1g); 1.170 mW/g (10g)

Comments: Full scan.

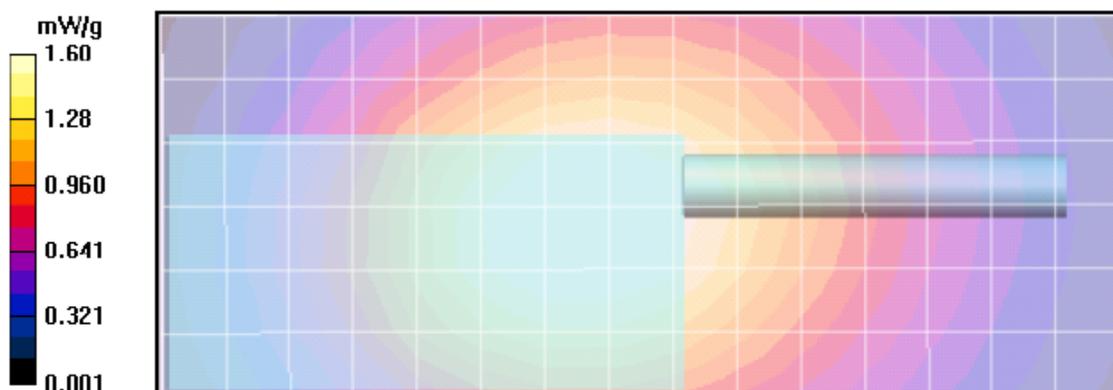
Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: $f = 496$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 42.3 V/m; Power Drift = -0.351 dB
Motorola Fast SAR: SAR(1 g) = 1.62 mW/g; SAR(10 g) = 1.21 mW/g
 Maximum value of SAR (interpolated) = 1.70 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 42.3 V/m; Power Drift = -0.408 dB
 Peak SAR (extrapolated) = 1.64 W/kg
Motorola Fast SAR: SAR(1 g) = 1.57 mW/g; SAR(10 g) = 1.17 mW/g
 Maximum value of SAR (interpolated) = 1.64 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 42.3 V/m; Power Drift = -0.489 dB
 Peak SAR (extrapolated) = 2.04 W/kg
SAR(1 g) = 1.55 mW/g; SAR(10 g) = 1.17 mW/g
 Maximum value of SAR (measured) = 1.62 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 1.60 mW/g



Section 13.5, Table 20
Assessment at the Body with Body worn PMLN5866A (additional batteries)
Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/8/2011 4:12:08 PM

Robot# / Run#: DASY4-PG-1 / PS-AB-110808-14
 Phantom# / Tissue Temp.: ELI4 1050 / 20.6 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0025
 Antenna / TX Freq.: PMAE4071A / 496.000 (MHz)
 Battery: PMNN4417A
 Carry Acc. / Cable Acc.: PMLN5866A / PMLN5727A
 Start Power: 4.88 (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: 1.690 mW/g (1g); 1.280 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)

Electronics: DAE3 Sn374, Calibrated: 2/23/2011

Duty Cycle: 1:1, Medium parameters used: $f = 496$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 43.3 V/m; Power Drift = -0.387 dB

Motorola Fast SAR: SAR(1 g) = 1.79 mW/g; SAR(10 g) = 1.33 mW/g

Maximum value of SAR (interpolated) = 1.88 mW/g

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

Reference Value = 43.3 V/m; Power Drift = -0.433 dB

Peak SAR (extrapolated) = 1.80 W/kg

Motorola Fast SAR: SAR(1 g) = 1.72 mW/g; SAR(10 g) = 1.27 mW/g

Maximum value of SAR (interpolated) = 1.80 mW/g

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

Reference Value = 43.3 V/m; Power Drift = -0.548 dB

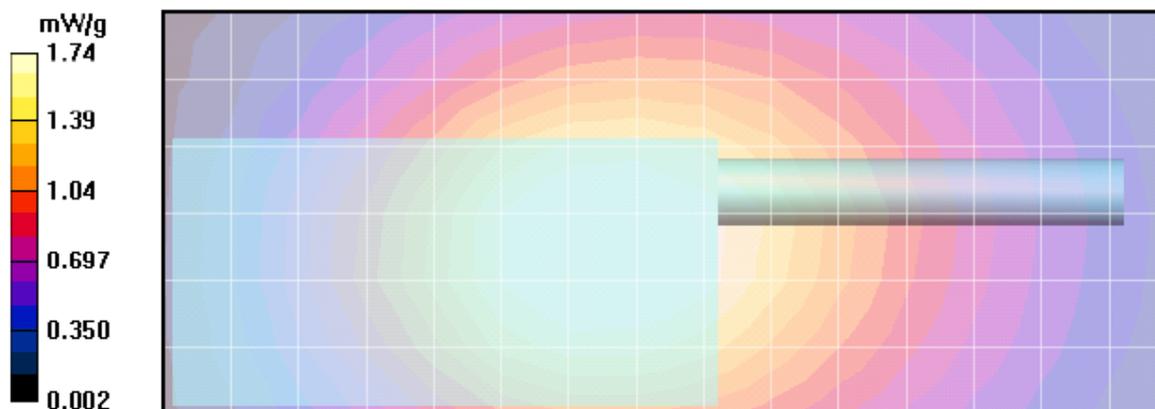
Peak SAR (extrapolated) = 2.23 W/kg

SAR(1 g) = 1.69 mW/g; SAR(10 g) = 1.28 mW/g

Maximum value of SAR (measured) = 1.76 mW/g

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

Maximum value of SAR (measured) = 1.74 mW/g



Section 13.6, Table 21
Assessment at the Body with Body worn PMLN5868A
Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/8/2011 5:22:31 PM

Robot# / Run#: DASY4-PG-1 / PS-AB-110808-16
 Phantom# / Tissue Temp.: ELI4 1050 / 20.4 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0025
 Antenna / TX Freq.: PMAE4071A / 496.000 (MHz)
 Battery: PMNN4416A
 Carry Acc. / Cable Acc.: PMLN5868A / PMLN5727A
 Start Power: 4.92 (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: 1.290 mW/g (1g); 0.981 mW/g (10g)

Comments: Full scan.

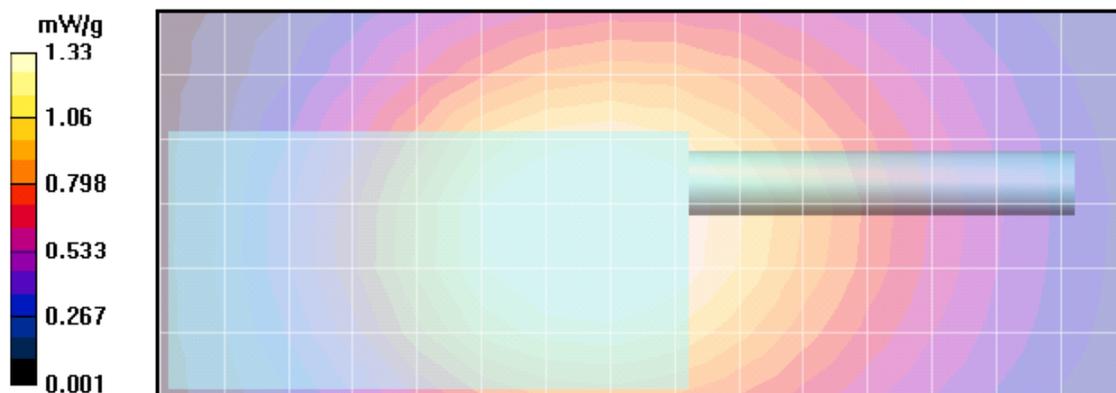
Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: $f = 496$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 37.9 V/m; Power Drift = -0.340 dB
Motorola Fast SAR: SAR(1 g) = 1.37 mW/g; SAR(10 g) = 1.02 mW/g
 Maximum value of SAR (interpolated) = 1.44 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 37.9 V/m; Power Drift = -0.399 dB
 Peak SAR (extrapolated) = 1.38 W/kg
Motorola Fast SAR: SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.979 mW/g
 Maximum value of SAR (interpolated) = 1.38 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 37.9 V/m; Power Drift = -0.519 dB
 Peak SAR (extrapolated) = 1.71 W/kg
SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.981 mW/g
 Maximum value of SAR (measured) = 1.35 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 1.33 mW/g



Section 13.6, Table 22
Assessment at the Body with Body worn PMLN5868A (additional batteries)
Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/8/2011 8:25:02 PM

Robot# / Run#: DASY4-PG-1 / PS-AB-110808-21
 Phantom# / Tissue Temp.: ELI4 1050 / 20.6 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0025
 Antenna / TX Freq.: PMAE4071A / 496.000 (MHz)
 Battery: PMNN4417A
 Carry Acc. / Cable Acc.: PMLN5868A / PMLN5727A
 Start Power: 4.89 (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: 1.290 mW/g (1g); 0.974 mW/g (10g)

Comments: Full scan.

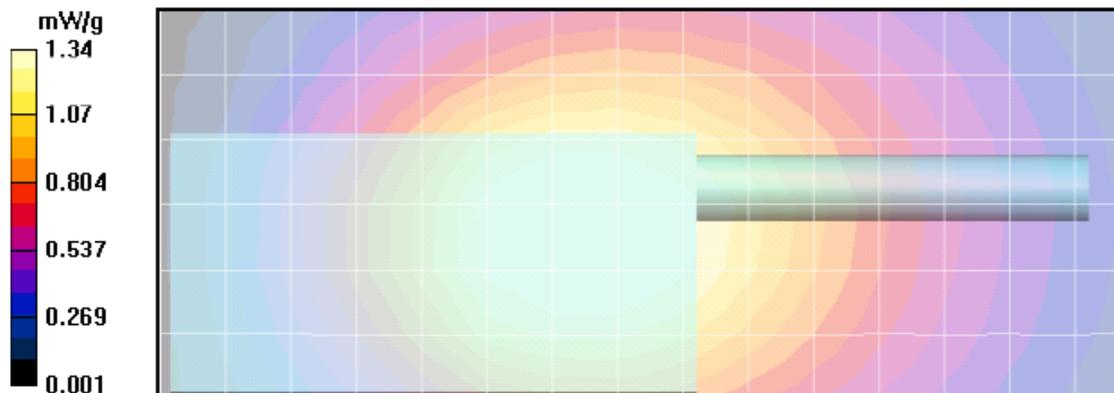
Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: $f = 496$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 38.3 V/m; Power Drift = -0.429 dB
Motorola Fast SAR: SAR(1 g) = 1.38 mW/g; SAR(10 g) = 1.02 mW/g
 Maximum value of SAR (interpolated) = 1.44 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 38.3 V/m; Power Drift = -0.494 dB
 Peak SAR (extrapolated) = 1.38 W/kg
Motorola Fast SAR: SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.976 mW/g
 Maximum value of SAR (interpolated) = 1.38 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 38.3 V/m; Power Drift = -0.595 dB
 Peak SAR (extrapolated) = 1.70 W/kg
SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.974 mW/g
 Maximum value of SAR (measured) = 1.35 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 1.34 mW/g



Section 13.7, Table 23
Assessment at the Body with Body worn PMLN5870A
Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/9/2011 8:10:29 AM

Robot# / Run#: DASY4-PG-1 / CcC-AB-110809-03
Phantom# / Tissue Temp.: ELI4 1050 / 21.1 (C)
DUT Model# / Serial#: PMUE3838A / 446TMM0025
Antenna / TX Freq.: PMAE4071A / 496.000 (MHz)
Battery: PMNN4416A
Carry Acc. / Cable Acc.: PMLN5870A / PMLN5727A
Start Power: 4.96 (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: 4.020 mW/g (1g); 2.990 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
Electronics: DAE3 Sn374, Calibrated: 2/23/2011

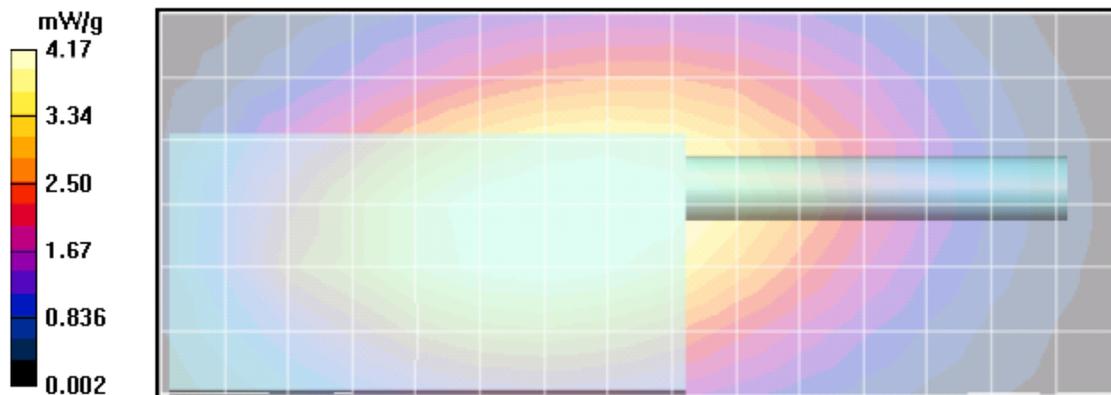
Duty Cycle: 1:1, Medium parameters used: $f = 496$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 67.8 V/m; Power Drift = -0.334 dB
Motorola Fast SAR: SAR(1 g) = 4.23 mW/g; SAR(10 g) = 3.13 mW/g
Maximum value of SAR (interpolated) = 4.44 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 67.8 V/m; Power Drift = -0.395 dB
Peak SAR (extrapolated) = 4.30 W/kg
Motorola Fast SAR: SAR(1 g) = 4.1 mW/g; SAR(10 g) = 3.03 mW/g
Maximum value of SAR (interpolated) = 4.30 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 67.8 V/m; Power Drift = -0.496 dB
Peak SAR (extrapolated) = 5.35 W/kg
SAR(1 g) = 4.02 mW/g; SAR(10 g) = 2.99 mW/g
Maximum value of SAR (measured) = 4.21 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 4.17 mW/g



Section 13.7, Table 24
Assessment at the Body with Body worn PMLN5870A (additional batteries)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/9/2011 12:16:56 PM

Robot# / Run#: DASY4-PG-1 / CcC-AB-110809-08
 Phantom# / Tissue Temp.: ELI4 1050 / 20.9 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0025
 Antenna / TX Freq.: PMAE4071A / 496.000 (MHz)
 Battery: PMNN4417A
 Carry Acc. / Cable Acc.: PMLN5870A / PMLN5727A
 Start Power: 4.90 (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: 5.030 mW/g (1g); 3.720 mW/g (10g)

Comments: Full scan.

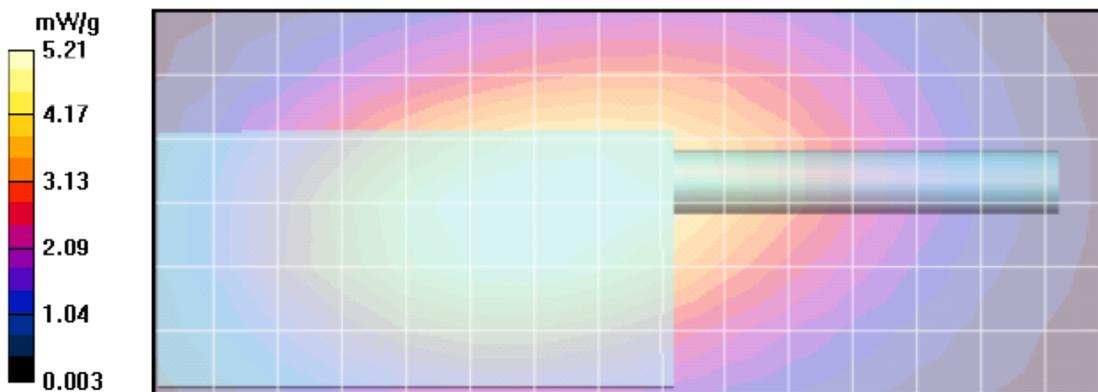
Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: $f = 496$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 74.3 V/m; Power Drift = -0.298 dB
Motorola Fast SAR: SAR(1 g) = 5.21 mW/g; SAR(10 g) = 3.85 mW/g
 Maximum value of SAR (interpolated) = 5.47 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 74.3 V/m; Power Drift = -0.339 dB
 Peak SAR (extrapolated) = 5.37 W/kg
Motorola Fast SAR: SAR(1 g) = 5.12 mW/g; SAR(10 g) = 3.77 mW/g
 Maximum value of SAR (interpolated) = 5.37 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 74.3 V/m; Power Drift = -0.432 dB
 Peak SAR (extrapolated) = 6.76 W/kg
SAR(1 g) = 5.03 mW/g; SAR(10 g) = 3.72 mW/g
 Maximum value of SAR (measured) = 5.27 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 5.21 mW/g



Section 13.8, Table 25
Assessment at the Body with Body worn HLN6602A
Motorola Solutions, Inc. EME Laboratory
 Date/Time: 8/9/2011 1:25:28 PM

Robot# / Run#: DASY4-PG-1 / PS-AB-110809-10
 Phantom# / Tissue Temp.: ELI4 1050 / 20.9 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0025
 Antenna / TX Freq.: PMAE4071A / 496.000 (MHz)
 Battery: PMNN4416A
 Carry Acc. / Cable Acc.: HLN6602A / PMLN5727A
 Start Power: 4.90 (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: 5.000 mW/g (1g); 3.680 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: $f = 496$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³

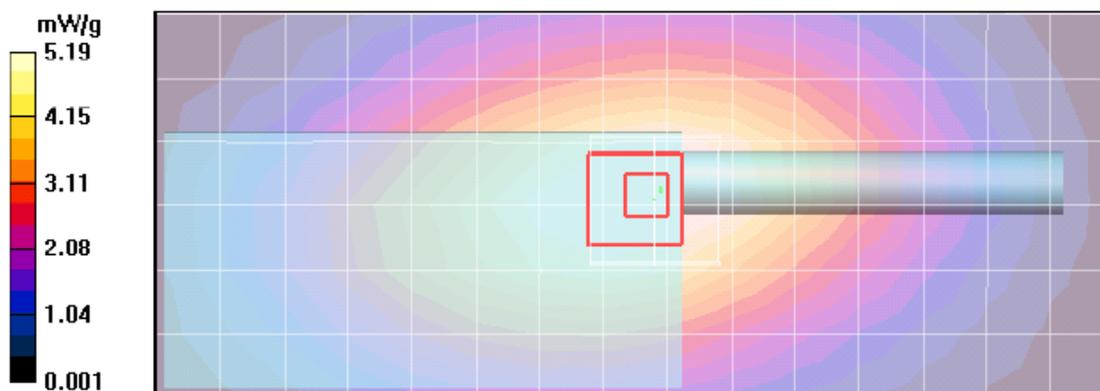
Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 77.6 V/m; Power Drift = -0.346 dB
Motorola Fast SAR: SAR(1 g) = 5.32 mW/g; SAR(10 g) = 3.91 mW/g
 Maximum value of SAR (interpolated) = 5.61 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 77.6 V/m; Power Drift = -0.407 dB
 Peak SAR (extrapolated) = 5.37 W/kg
Motorola Fast SAR: SAR(1 g) = 5.12 mW/g; SAR(10 g) = 3.76 mW/g
 Maximum value of SAR (interpolated) = 5.37 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 77.6 V/m; Power Drift = -0.547 dB
 Peak SAR (extrapolated) = 6.81 W/kg
SAR(1 g) = 5 mW/g; SAR(10 g) = 3.68 mW/g

Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.
 Maximum value of SAR (measured) = 5.25 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 5.19 mW/g



**Section 13.8, Table 26
Assessment at the Body with Body worn HLN6602A (additional batteries)**

**Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/9/2011 4:33:34 PM**

Robot# / Run#: DASY4-PG-1 / PS-AB-110809-15
Phantom# / Tissue Temp.: ELI4 1050 / 20.8 (C)
DUT Model# / Serial#: PMUE3838A / 446TMM0025
Antenna / TX Freq.: PMAE4071A / 496.000 (MHz)
Battery: PMNN4417A
Carry Acc. / Cable Acc.: HLN6602A / PMLN5727A
Start Power: 4.84 (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: 6.890 mW/g (1g); 5.010 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
Electronics: DAE3 Sn374, Calibrated: 2/23/2011
Duty Cycle: 1:1, Medium parameters used: $f = 496$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³

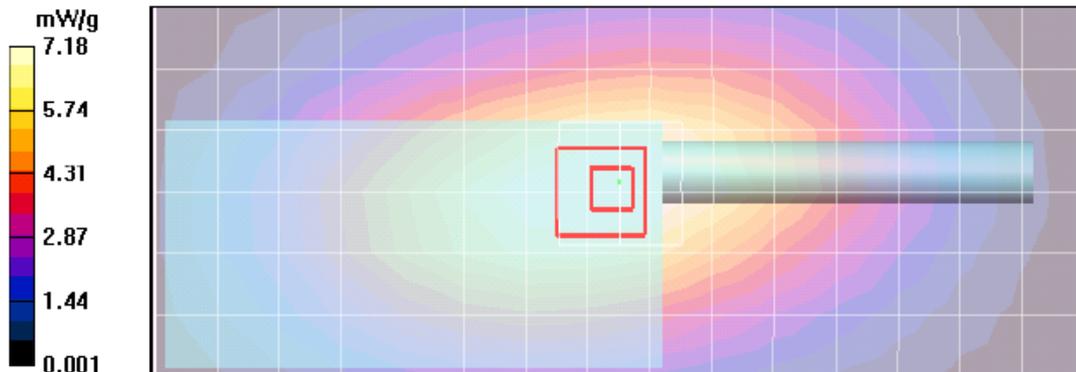
Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 88.3 V/m; Power Drift = -0.369 dB
Motorola Fast SAR: SAR(1 g) = 7.23 mW/g; SAR(10 g) = 5.31 mW/g
Maximum value of SAR (interpolated) = 7.61 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 88.3 V/m; Power Drift = -0.413 dB
Peak SAR (extrapolated) = 7.40 W/kg
Motorola Fast SAR: SAR(1 g) = 7.05 mW/g; SAR(10 g) = 5.16 mW/g
Maximum value of SAR (interpolated) = 7.40 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 88.3 V/m; Power Drift = -0.538 dB
Peak SAR (extrapolated) = 9.53 W/kg
SAR(1 g) = 6.89 mW/g; SAR(10 g) = 5.01 mW/g

Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.
Maximum value of SAR (measured) = 7.26 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 7.18 mW/g



Section 13.9, Table 27
Assessment at the Body with Body worn RLN4570A
Motorola Solutions, Inc. EME Laboratory
 Date/Time: 8/9/2011 7:10:11 PM

Robot# / Run#: DASY4-PG-1 / PS-AB-110809-19
 Phantom# / Tissue Temp.: ELI4 1050 / 21.0 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0025
 Antenna / TX Freq.: PMAE4069A / 406.100 (MHz)
 Battery: PMNN4416A
 Carry Acc. / Cable Acc.: RLN4570A / PMLN5727A
 Start Power: 4.77 (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: 5.967 mW/g (1g); 4.352 mW/g (10g)

Comments: Full scan.

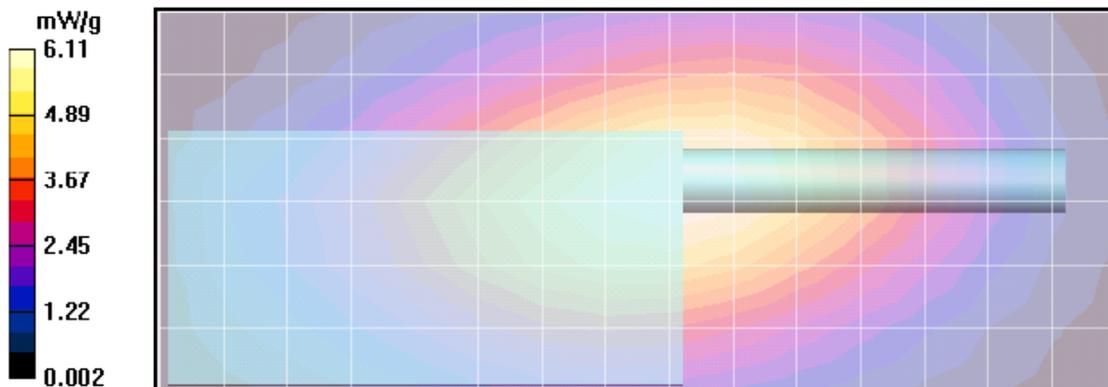
Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: $f = 406.1$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 55.5$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 84.5 V/m; Power Drift = -0.147 dB
Motorola Fast SAR: SAR(1 g) = 5.95 mW/g; SAR(10 g) = 4.39 mW/g
 Maximum value of SAR (interpolated) = 6.26 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 84.5 V/m; Power Drift = -0.166 dB
 Peak SAR (extrapolated) = 6.19 W/kg
Motorola Fast SAR: SAR(1 g) = 5.91 mW/g; SAR(10 g) = 4.35 mW/g
 Maximum value of SAR (interpolated) = 6.19 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 84.5 V/m; Power Drift = -0.220 dB
 Peak SAR (extrapolated) = 8.00 W/kg
SAR(1 g) = 5.84 mW/g; SAR(10 g) = 4.3 mW/g
 Maximum value of SAR (measured) = 6.14 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 6.11 mW/g



Section 13.9, Table 28
Assessment at the Body with Body worn RLN4570A (additional batteries)
Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/10/2011 7:11:49 AM

Robot# / Run#: DASY4-PG-1 / CcC-AB-110810-02
 Phantom# / Tissue Temp.: ELI4 1050 / 21.0 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0025
 Antenna / TX Freq.: PMAE4069A / 406.100 (MHz)
 Battery: PMNN4417A
 Carry Acc. / Cable Acc.: RLN4570A / PMLN5727A
 Start Power: 4.76 (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: 5.837 mW/g (1g); 4.219 mW/g (10g)

Comments: Full scan.

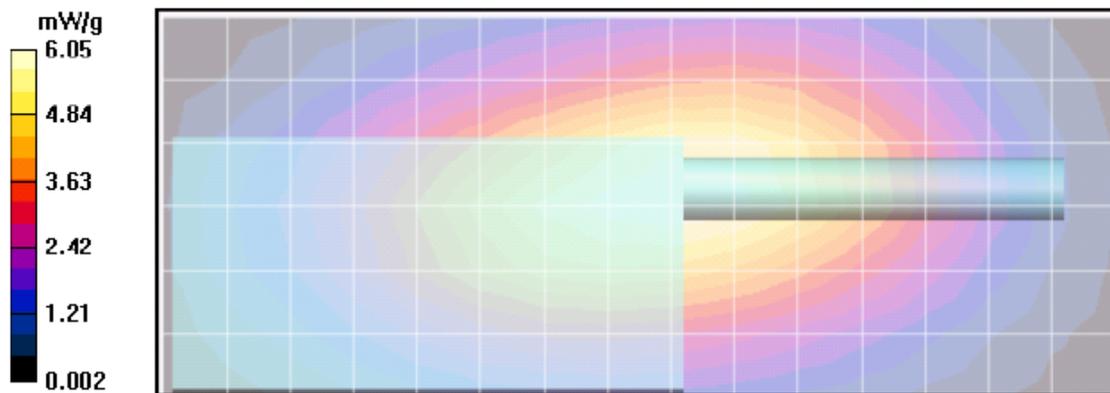
Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: f = 406.1 MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 83.1 V/m; Power Drift = -0.140 dB
Motorola Fast SAR: SAR(1 g) = 5.88 mW/g; SAR(10 g) = 4.34 mW/g
 Maximum value of SAR (interpolated) = 6.19 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 83.1 V/m; Power Drift = -0.171 dB
 Peak SAR (extrapolated) = 6.12 W/kg
Motorola Fast SAR: SAR(1 g) = 5.83 mW/g; SAR(10 g) = 4.29 mW/g
 Maximum value of SAR (interpolated) = 6.12 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 83.1 V/m; Power Drift = -0.214 dB
 Peak SAR (extrapolated) = 7.98 W/kg
SAR(1 g) = 5.74 mW/g; SAR(10 g) = 4.18 mW/g
 Maximum value of SAR (measured) = 6.06 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 6.05 mW/g



Section 13.10, Table 29
Assessment at the Body with Body worn RLN4815A
Motorola Solutions, Inc. EME Laboratory
 Date/Time: 8/10/2011 8:20:45 AM

Robot# / Run#: DASY4-PG-1 / CcC-AB-110810-04
 Phantom# / Tissue Temp.: ELI4 1050 / 21.2 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0025
 Antenna / TX Freq.: PMAE4071A / 496.000 (MHz)
 Battery: PMNN4416A
 Carry Acc. / Cable Acc.: RLN4815A / PMLN5727A
 Start Power: 4.93 (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: 2.960 mW/g (1g); 2.220 mW/g (10g)

Comments: Full scan.

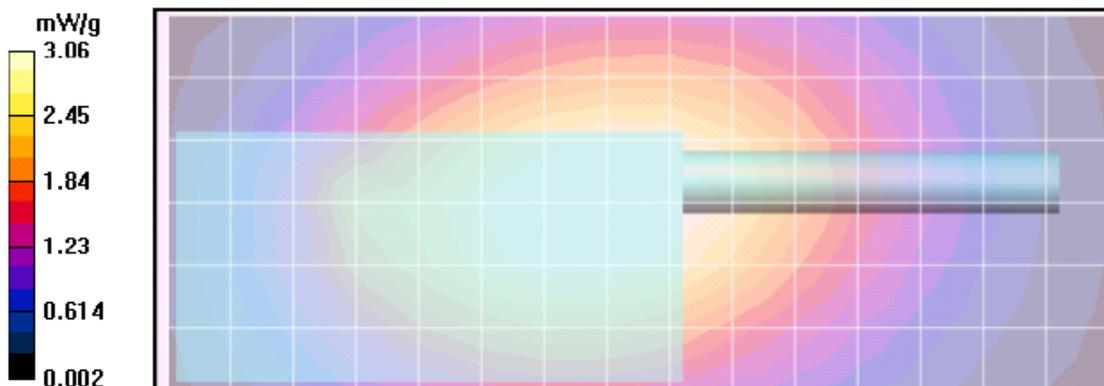
Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: f = 496 MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 56.9 V/m; Power Drift = -0.334 dB
Motorola Fast SAR: SAR(1 g) = 3.1 mW/g; SAR(10 g) = 2.31 mW/g
 Maximum value of SAR (interpolated) = 3.25 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 56.9 V/m; Power Drift = -0.395 dB
 Peak SAR (extrapolated) = 3.15 W/kg
Motorola Fast SAR: SAR(1 g) = 3.01 mW/g; SAR(10 g) = 2.24 mW/g
 Maximum value of SAR (interpolated) = 3.15 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 56.9 V/m; Power Drift = -0.501 dB
 Peak SAR (extrapolated) = 3.94 W/kg
SAR(1 g) = 2.96 mW/g; SAR(10 g) = 2.22 mW/g
 Maximum value of SAR (measured) = 3.10 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 3.06 mW/g



Section 13.10, Table 30
Assessment at the Body with Body worn RLN4815A (additional batteries)
Motorola Solutions, Inc. EME Laboratory
 Date/Time: 8/10/2011 1:36:59 PM

Robot# / Run#: DASY4-PG-1 / CcC-AB-110810-11
 Phantom# / Tissue Temp.: ELI4 1050 / 20.6 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0025
 Antenna / TX Freq.: PMAE4071A / 496.000 (MHz)
 Battery: PMNN4417A
 Carry Acc. / Cable Acc.: RLN4815A / PMLN5727A
 Start Power: 4.92 (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: 3.730 mW/g (1g); 2.790 mW/g (10g)

Comments: Full scan.

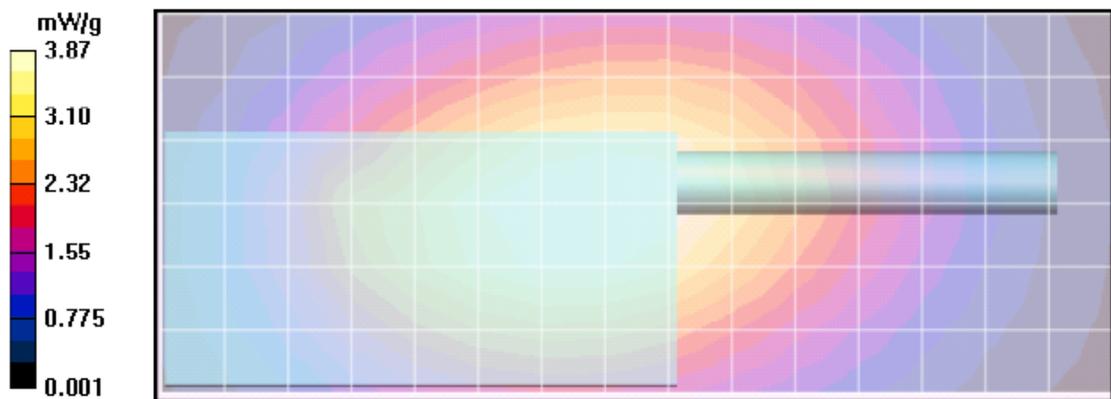
Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: $f = 496$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 65.5 V/m; Power Drift = -0.380 dB
Motorola Fast SAR: SAR(1 g) = 3.84 mW/g; SAR(10 g) = 2.85 mW/g
 Maximum value of SAR (interpolated) = 4.04 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 65.5 V/m; Power Drift = -0.429 dB
 Peak SAR (extrapolated) = 3.98 W/kg
Motorola Fast SAR: SAR(1 g) = 3.8 mW/g; SAR(10 g) = 2.81 mW/g
 Maximum value of SAR (interpolated) = 3.98 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 65.5 V/m; Power Drift = -0.530 dB
 Peak SAR (extrapolated) = 5.00 W/kg
SAR(1 g) = 3.73 mW/g; SAR(10 g) = 2.79 mW/g
 Maximum value of SAR (measured) = 3.91 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 3.87 mW/g



Section 13.11, Table 31
Assessment of accessory PMLN5864A with carry strap NTN5243A
Motorola Solutions, Inc. EME Laboratory
 Date/Time: 8/10/2011 5:31:55 PM

Robot# / Run#: DASY4-PG-1 / PS-AB-110810-13
 Phantom# / Tissue Temp.: ELI4 1050 / 20.8 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0025
 Antenna / TX Freq.: PMAE4071A / 496.000 (MHz)
 Battery: PMNN4416A
 Carry Acc. / Cable Acc.: PMLN5864A / NTN5243A / PMLN5727A
 Start Power: 4.94 (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: 2.600 mW/g (1g); 1.940 mW/g (10g)

Comments: Full scan.

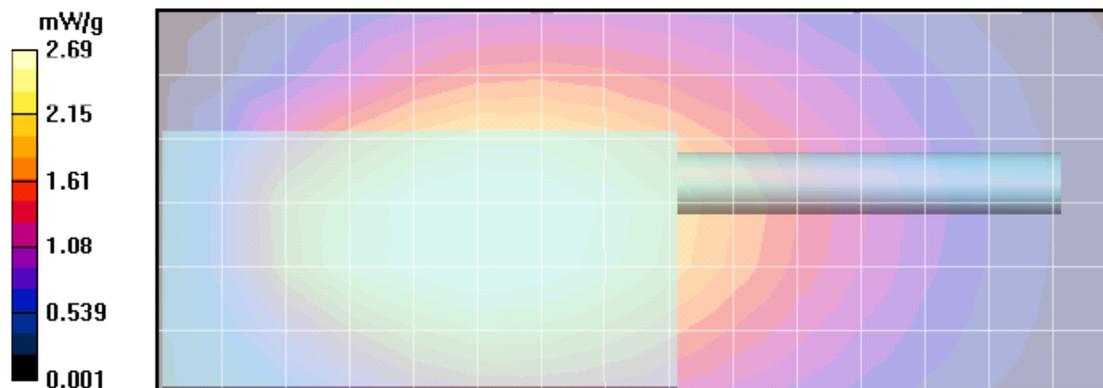
Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: $f = 496$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 53.0 V/m; Power Drift = -0.328 dB
Motorola Fast SAR: SAR(1 g) = 2.75 mW/g; SAR(10 g) = 2.03 mW/g
 Maximum value of SAR (interpolated) = 2.89 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 53.0 V/m; Power Drift = -0.390 dB
 Peak SAR (extrapolated) = 2.78 W/kg
Motorola Fast SAR: SAR(1 g) = 2.66 mW/g; SAR(10 g) = 1.96 mW/g
 Maximum value of SAR (interpolated) = 2.78 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 53.0 V/m; Power Drift = -0.506 dB
 Peak SAR (extrapolated) = 3.49 W/kg
SAR(1 g) = 2.6 mW/g; SAR(10 g) = 1.94 mW/g
 Maximum value of SAR (measured) = 2.72 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 2.69 mW/g



Section 13.11, Table 32
Assessment of accessory PMLN5864A with carry strap NTN5243A (additional batteries)
Motorola Solutions, Inc. EME Laboratory
 Date/Time: 8/10/2011 8:40:00 PM

Robot# / Run#: DASY4-PG-1 / PS-AB-110810-18
 Phantom# / Tissue Temp.: ELI4 1050 / 20.6 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0025
 Antenna / TX Freq.: PMAE4071A / 496.000 (MHz)
 Battery: PMNN4417A
 Carry Acc. / Cable Acc.: PMLN5864A / NTN5243A / PMLN5727A
 Start Power: 4.89 (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: 2.740 mW/g (1g); 2.040 mW/g (10g)

Comments: Full scan.

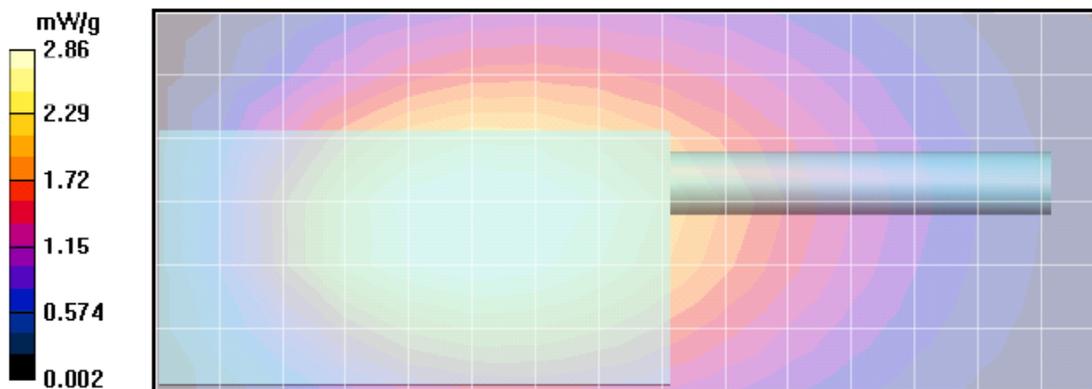
Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: f = 496 MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 55.1 V/m; Power Drift = -0.316 dB
Motorola Fast SAR: SAR(1 g) = 2.87 mW/g; SAR(10 g) = 2.11 mW/g
 Maximum value of SAR (interpolated) = 3.01 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 55.1 V/m; Power Drift = -0.365 dB
 Peak SAR (extrapolated) = 2.92 W/kg
Motorola Fast SAR: SAR(1 g) = 2.79 mW/g; SAR(10 g) = 2.05 mW/g
 Maximum value of SAR (interpolated) = 2.92 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 55.1 V/m; Power Drift = -0.445 dB
 Peak SAR (extrapolated) = 3.68 W/kg
SAR(1 g) = 2.74 mW/g; SAR(10 g) = 2.04 mW/g
 Maximum value of SAR (measured) = 2.87 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 2.86 mW/g



Section 13.12, Table 33
Assessment of accessory PMLN5866A with carry strap NTN5243A
Motorola Solutions, Inc. EME Laboratory
 Date/Time: 8/11/2011 8:00:35 AM

Robot# / Run#: DASY4-PG-1 / CcC-AB-110811-03
 Phantom# / Tissue Temp.: ELI4 1050 / 21.0 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0025
 Antenna / TX Freq.: PMAE4071A / 496.000 (MHz)
 Battery: PMNN4416A
 Carry Acc. / Cable Acc.: PMLN5866A / NTN5243A / PMLN5727A
 Start Power: 4.92 (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: 3.010 mW/g (1g); 2.230 mW/g (10g)

Comments: Full scan.

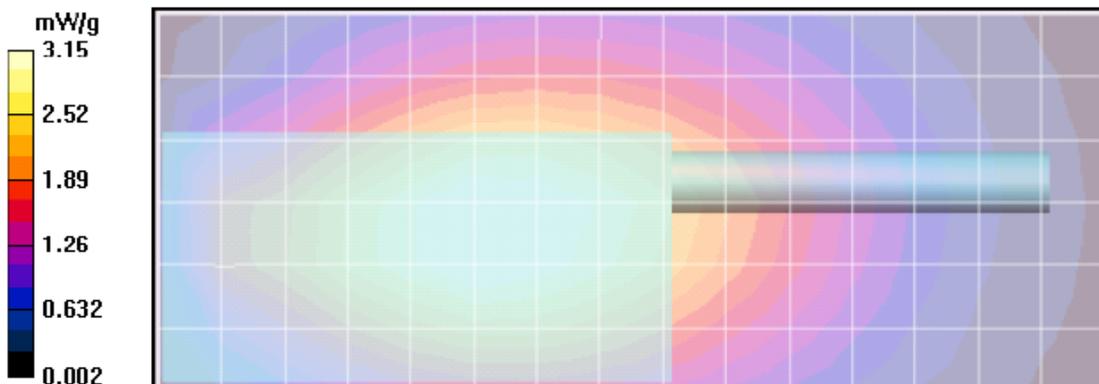
Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: $f = 496$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 57.9 V/m; Power Drift = -0.348 dB
Motorola Fast SAR: SAR(1 g) = 3.16 mW/g; SAR(10 g) = 2.33 mW/g
 Maximum value of SAR (interpolated) = 3.33 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 57.9 V/m; Power Drift = -0.418 dB
 Peak SAR (extrapolated) = 3.21 W/kg
Motorola Fast SAR: SAR(1 g) = 3.05 mW/g; SAR(10 g) = 2.24 mW/g
 Maximum value of SAR (interpolated) = 3.21 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 57.9 V/m; Power Drift = -0.512 dB
 Peak SAR (extrapolated) = 4.04 W/kg
SAR(1 g) = 3.01 mW/g; SAR(10 g) = 2.23 mW/g
 Maximum value of SAR (measured) = 3.16 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 3.15 mW/g



Section 13.12, Table 34
Assessment of accessory PMLN5866A with carry strap NTN5243A (additional batteries)
Motorola Solutions, Inc. EME Laboratory
 Date/Time: 8/11/2011 10:56:10 AM

Robot# / Run#: DASY4-PG-1 / CcC-AB-110811-08
 Phantom# / Tissue Temp.: ELI4 1050 / 21.1 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0025
 Antenna / TX Freq.: PMAE4071A / 496.000 (MHz)
 Battery: PMNN4417A
 Carry Acc. / Cable Acc.: PMLN5866A / NTN5243A / PMLN5727A
 Start Power: 4.89 (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: 4.040 mW/g (1g); 2.980 mW/g (10g)

Comments: Full scan.

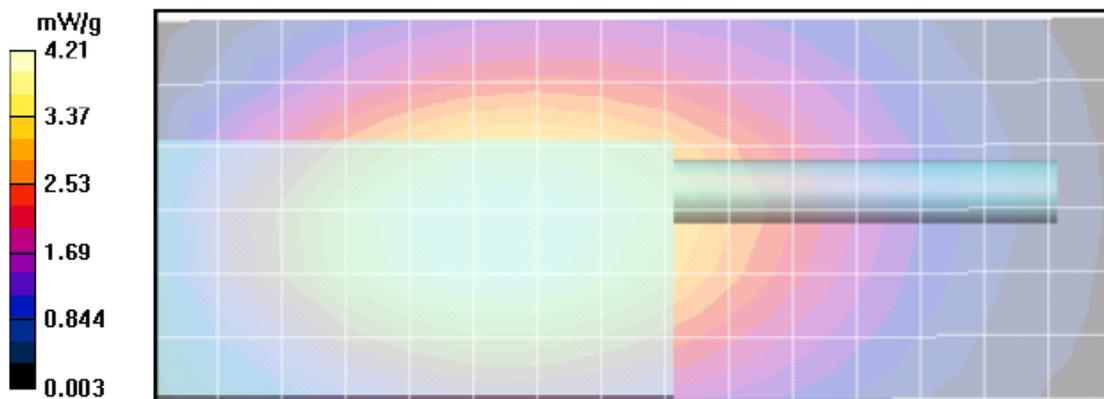
Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: f = 496 MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 67.3 V/m; Power Drift = -0.309 dB
Motorola Fast SAR: SAR(1 g) = 4.19 mW/g; SAR(10 g) = 3.09 mW/g
 Maximum value of SAR (interpolated) = 4.41 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 67.3 V/m; Power Drift = -0.362 dB
 Peak SAR (extrapolated) = 4.31 W/kg
Motorola Fast SAR: SAR(1 g) = 4.1 mW/g; SAR(10 g) = 3.01 mW/g
 Maximum value of SAR (interpolated) = 4.31 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 67.3 V/m; Power Drift = -0.452 dB
 Peak SAR (extrapolated) = 5.47 W/kg
SAR(1 g) = 4.04 mW/g; SAR(10 g) = 2.98 mW/g
 Maximum value of SAR (measured) = 4.25 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 4.21 mW/g



Section 13.13, Table 35
Assessment of accessory PMLN5870A with carry strap NTN5243A
Motorola Solutions, Inc. EME Laboratory
 Date/Time: 8/11/2011 12:00:18 PM

Robot# / Run#: DASY4-PG-1 / CcC-AB-110811-10
 Phantom# / Tissue Temp.: ELI4 1050 / 21.1 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0025
 Antenna / TX Freq.: PMAE4071A / 496.000 (MHz)
 Battery: PMNN4416A
 Carry Acc. / Cable Acc.: PMLN5870A / NTN5243A / PMLN5727A
 Start Power: 4.90 (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: 4.690 mW/g (1g); 3.380 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: f = 496 MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

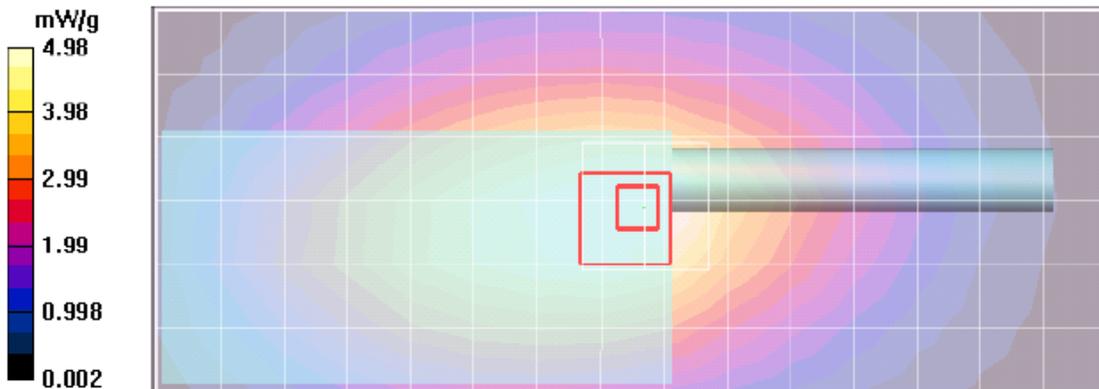
Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 69.4 V/m; Power Drift = -0.334 dB
Motorola Fast SAR: SAR(1 g) = 5.06 mW/g; SAR(10 g) = 3.66 mW/g
 Maximum value of SAR (interpolated) = 5.44 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 69.4 V/m; Power Drift = -0.392 dB
 Peak SAR (extrapolated) = 5.13 W/kg
Motorola Fast SAR: SAR(1 g) = 4.81 mW/g; SAR(10 g) = 3.48 mW/g
 Maximum value of SAR (interpolated) = 5.13 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 69.4 V/m; Power Drift = -0.499 dB
 Peak SAR (extrapolated) = 6.77 W/kg
SAR(1 g) = 4.69 mW/g; SAR(10 g) = 3.38 mW/g

Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.
 Maximum value of SAR (measured) = 5.01 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 4.98 mW/g



Section 13.13, Table 36
Assessment of accessory PMLN5870A with carry strap NTN5243A (additional batteries)
Motorola Solutions, Inc. EME Laboratory
 Date/Time: 8/11/2011 4:38:55 PM

Robot# / Run#: DASY4-PG-1 / PS-AB-110811-17
 Phantom# / Tissue Temp.: ELI4 1050 / 20.7 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0025
 Antenna / TX Freq.: PMAE4071A / 496.000 (MHz)
 Battery: PMNN4417A
 Carry Acc. / Cable Acc.: PMLN5870A / NTN5243A / PMLN5727A
 Start Power: 4.87 (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: 6.120 mW/g (1g); 4.440 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: $f = 496$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 82.1 V/m; Power Drift = -0.381 dB
 Motorola Fast SAR: SAR(1 g) = 6.58 mW/g; SAR(10 g) = 4.78 mW/g
 Maximum value of SAR (interpolated) = 7.02 mW/g

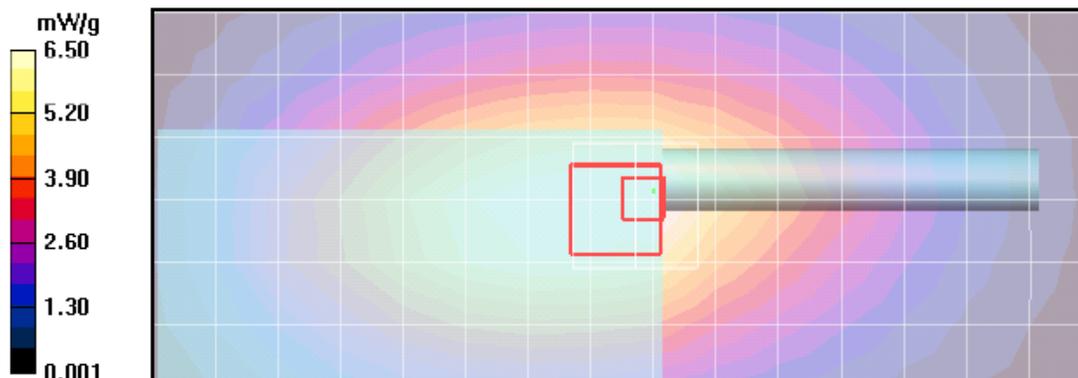
Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 82.1 V/m; Power Drift = -0.435 dB
 Peak SAR (extrapolated) = 6.64 W/kg
 Motorola Fast SAR: SAR(1 g) = 6.27 mW/g; SAR(10 g) = 4.57 mW/g

Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.
 Maximum value of SAR (interpolated) = 6.64 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 82.1 V/m; Power Drift = -0.546 dB
 Peak SAR (extrapolated) = 8.89 W/kg
 SAR(1 g) = 6.12 mW/g; SAR(10 g) = 4.44 mW/g

Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.
 Maximum value of SAR (measured) = 6.44 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 6.50 mW/g



Section 13.16, Table 39
Assessment at the Face
Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/11/2011 6:51:07 PM

Robot# / Run#: DASY4-PG-1 / PS-FACE-110811-20
Phantom# / Tissue Temp.: ELI4 1037 / 20.9 (C)
DUT Model# / Serial#: PMUE3838A / 446TMM0025
Antenna / TX Freq.: PMAE4071A / 512.000 (MHz)
Battery: PMNN4418A
Carry Acc. / Cable Acc.: NONE / NONE
Start Power: 4.87 (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: 6.070 mW/g (1g); 4.410 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.43, 6.43, 6.43)

Electronics: DAE3 Sn374, Calibrated: 2/23/2011

Duty Cycle: 1:1, Medium parameters used: $f = 512$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 41.8$; $\rho = 1000$ kg/m³

Face Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 87.4 V/m; Power Drift = -0.310 dB

Motorola Fast SAR: SAR(1 g) = 6.32 mW/g; SAR(10 g) = 4.66 mW/g

Maximum value of SAR (interpolated) = 6.64 mW/g

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

Reference Value = 87.4 V/m; Power Drift = -0.347 dB

Peak SAR (extrapolated) = 6.46 W/kg

Motorola Fast SAR: SAR(1 g) = 6.17 mW/g; SAR(10 g) = 4.54 mW/g

Maximum value of SAR (interpolated) = 6.46 mW/g

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

Reference Value = 87.4 V/m; Power Drift = -0.412 dB

Peak SAR (extrapolated) = 8.28 W/kg

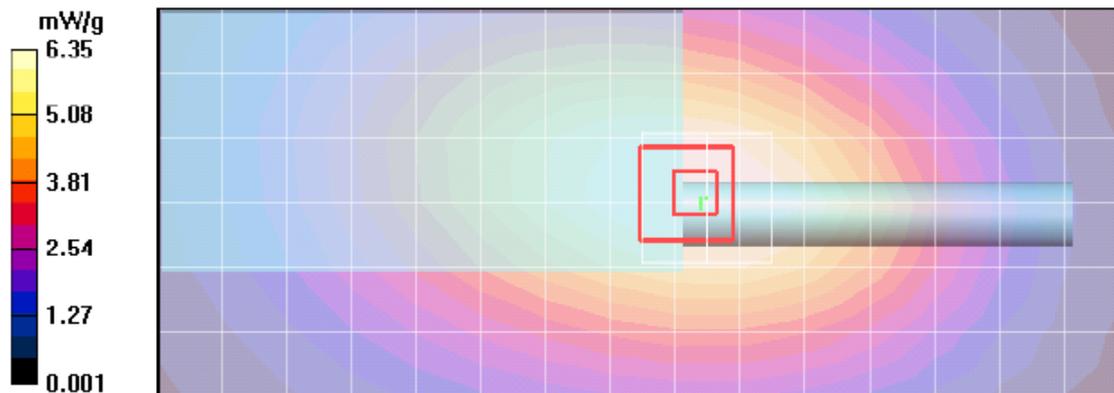
SAR(1 g) = 6.07 mW/g; SAR(10 g) = 4.41 mW/g

Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.

Maximum value of SAR (measured) = 6.40 mW/g

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

Maximum value of SAR (measured) = 6.35 mW/g



Section 13.16, Table 40
Assessment at the Face (additional batteries)
Motorola Solutions, Inc. EME Laboratory
 Date/Time: 8/12/2011 7:20:37 AM

Robot# / Run#: DASY4-PG-1 / CcC-FACE-110812-03
 Phantom# / Tissue Temp.: ELI4 1037 / 21.1 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0025
 Antenna / TX Freq.: PMAE4071A / 512.000 (MHz)
 Battery: PMNN4417A
 Carry Acc. / Cable Acc.: NONE / NONE
 Start Power: 4.92 (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: 5.880 mW/g (1g); 4.280 mW/g (10g)

Comments: Full scan.

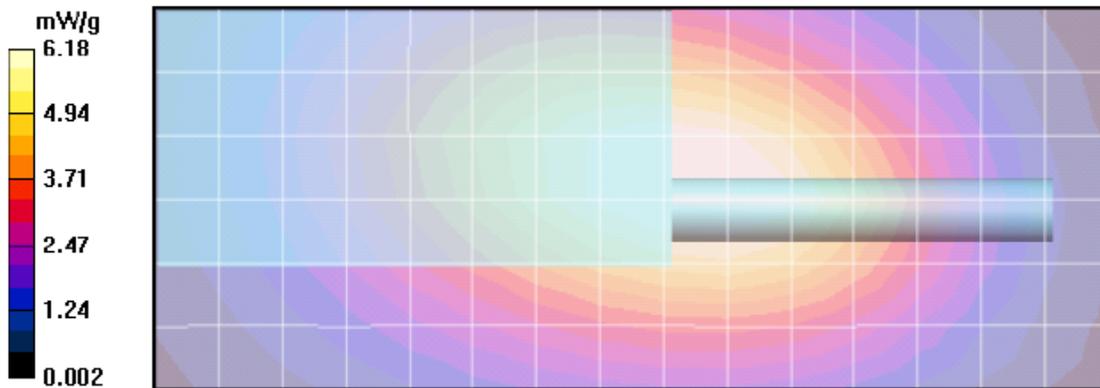
Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.43, 6.43, 6.43)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: $f = 512$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 41.7$; $\rho = 1000$ kg/m³

Face Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 81.5 V/m; Power Drift = -0.361 dB
Motorola Fast SAR: SAR(1 g) = 6.22 mW/g; SAR(10 g) = 4.58 mW/g
 Maximum value of SAR (interpolated) = 6.54 mW/g

Face Scan/2-Volume Scan 2D (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 81.5 V/m; Power Drift = -0.388 dB
 Peak SAR (extrapolated) = 6.24 W/kg
Motorola Fast SAR: SAR(1 g) = 5.97 mW/g; SAR(10 g) = 4.4 mW/g
 Maximum value of SAR (interpolated) = 6.24 mW/g

Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 81.5 V/m; Power Drift = -0.462 dB
 Peak SAR (extrapolated) = 8.00 W/kg
SAR(1 g) = 5.88 mW/g; SAR(10 g) = 4.28 mW/g
 Maximum value of SAR (measured) = 6.20 mW/g

Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 6.18 mW/g



APPENDIX G
DUT Scans Outside Part 90 (403 – 527 MHz) &
Industry Canada freq range (406.1-430 MHz) and (450-470 MHz) within Part 90
Data enclosed for this Appendix for Outside of Part 90 is not applicable for FCC Part 90

Section 13.15, Table 37
Outside FCC Part 90 at the body
Motorola Solutions, Inc. EME Laboratory
 Date/Time: 8/12/2011 8:32:24 PM

Robot# / Run#: DASY4-PG-1 / PS-AB-110812-12
 Phantom# / Tissue Temp.: ELI4 1103 / 21.6 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0023
 Antenna / TX Freq.: PMAE4071A / 527.000 (MHz)
 Battery: PMNN4417A
 Carry Acc. / Cable Acc.: HLN6602A / PMLN5727A
 Start Power: 4.79 (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: 7.080 mW/g (1g); 5.160 mW/g (10g)

Comments: Full scan.

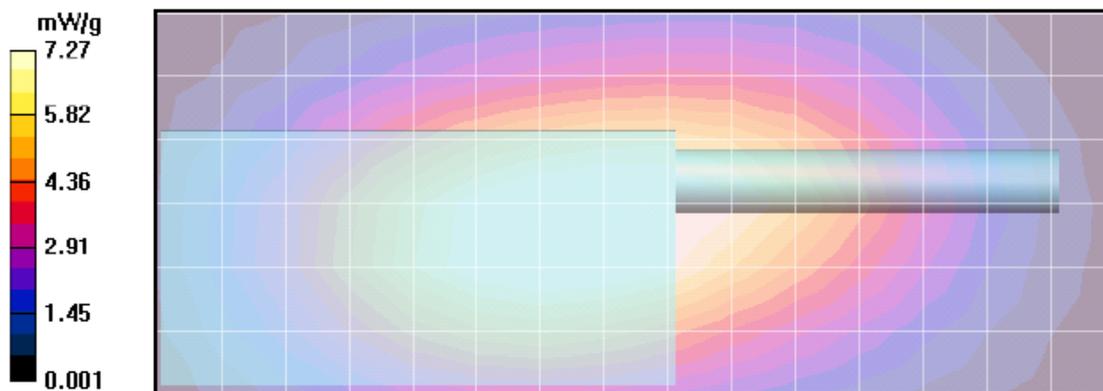
Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: $f = 527$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 89.2 V/m; Power Drift = -0.629 dB
Motorola Fast SAR: SAR(1 g) = 7.77 mW/g; SAR(10 g) = 5.7 mW/g
 Maximum value of SAR (interpolated) = 8.17 mW/g

Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 89.2 V/m; Power Drift = -0.735 dB
 Peak SAR (extrapolated) = 7.62 W/kg
Motorola Fast SAR: SAR(1 g) = 7.28 mW/g; SAR(10 g) = 5.34 mW/g
 Maximum value of SAR (interpolated) = 7.62 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 89.2 V/m; Power Drift = -0.888 dB
 Peak SAR (extrapolated) = 9.76 W/kg
SAR(1 g) = 7.08 mW/g; SAR(10 g) = 5.16 mW/g
 Maximum value of SAR (measured) = 7.45 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 7.27 mW/g



Section 13.17, Table 41
Outside FCC Part 90 at the face
Motorola Solutions, Inc. EME Laboratory
 Date/Time: 8/12/2011 5:48:41 PM

Robot# / Run#: DASY4-PG-1 / PS-FACE-110812-08
 Phantom# / Tissue Temp.: ELI4 1028 / 21.2 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0023
 Antenna / TX Freq.: PMAE4071A / 527.000 (MHz)
 Battery: PMNN4418A
 Carry Acc. / Cable Acc.: NONE / NONE
 Start Power: 4.69 (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: 5.070 mW/g (1g); 3.710 mW/g (10g)

Comments: Full scan.

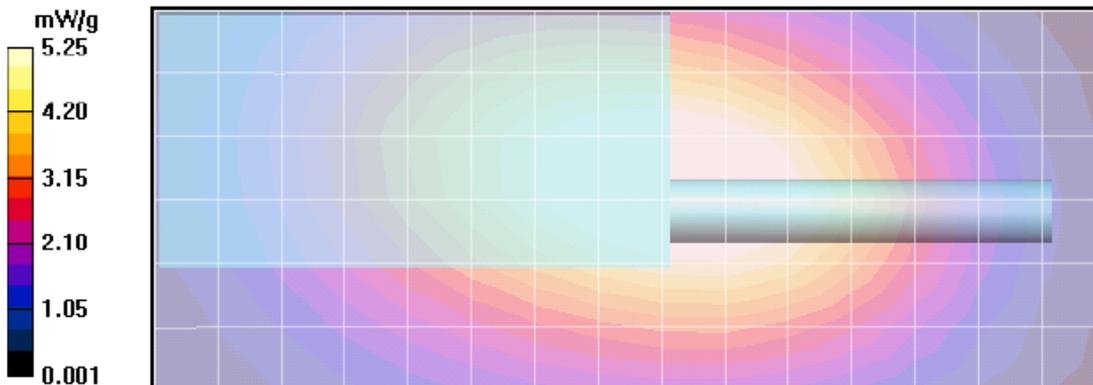
Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.43, 6.43, 6.43)
 Electronics: DAE3 Sn374, Calibrated: 2/23/2011
 Duty Cycle: 1:1, Medium parameters used: f = 527 MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³

Face Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 84.6 V/m; Power Drift = -0.748 dB
Motorola Fast SAR: SAR(1 g) = 5.65 mW/g; SAR(10 g) = 4.16 mW/g
 Maximum value of SAR (interpolated) = 5.94 mW/g

Face Scan/2-Volume Scan 2D (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 84.6 V/m; Power Drift = -0.828 dB
 Peak SAR (extrapolated) = 5.45 W/kg
Motorola Fast SAR: SAR(1 g) = 5.21 mW/g; SAR(10 g) = 3.84 mW/g
 Maximum value of SAR (interpolated) = 5.45 mW/g

Face 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 = -0.961 dB
 Peak SAR (extrapolated) = 6.83 W/kg
SAR(1 g) = 5.07 mW/g; SAR(10 g) = 3.71 mW/g
 Maximum value of SAR (measured) = 5.34 mW/g

Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 5.25 mW/g



Section 13.18, Table 42
Assessment of Industry Canada frequency range - Body

Motorola Solutions, Inc. EME Laboratory
 Date/Time: 10/3/2011 7:34:33 AM

Robot# / Run#: DASY4-PG-1 / CcC-AB-111003-02
 Phantom# / Tissue Temp.: ELI4 1103/ 21.0 (C)
 DUT Model# / Serial#: PMUE3838A / 446TMM0023
 Antenna / TX Freq.: PMAE4070A / 450.000 (MHz)
 Battery: PMNN4417A
 Carry Acc. / Cable Acc.: HLN6602A / PMLN5727A
 Start Power: 4.73 (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: 8.370 mW/g (1g); 6.080 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.91, 6.91, 6.91)

Electronics: DAE3 Sn374, Calibrated: 2/23/2011

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 55.5$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 97.5 V/m; Power Drift = -0.289 dB

Motorola Fast SAR: SAR(1 g) = 8.75 mW/g; SAR(10 g) = 6.41 mW/g

Maximum value of SAR (interpolated) = 9.24 mW/g

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

Reference Value = 97.5 V/m; Power Drift = -0.346 dB

Peak SAR (extrapolated) = 8.95 W/kg

Motorola Fast SAR: SAR(1 g) = 8.54 mW/g; SAR(10 g) = 6.24 mW/g

Maximum value of SAR (interpolated) = 8.95 mW/g

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

Reference Value = 97.5 V/m; Power Drift = -0.438 dB

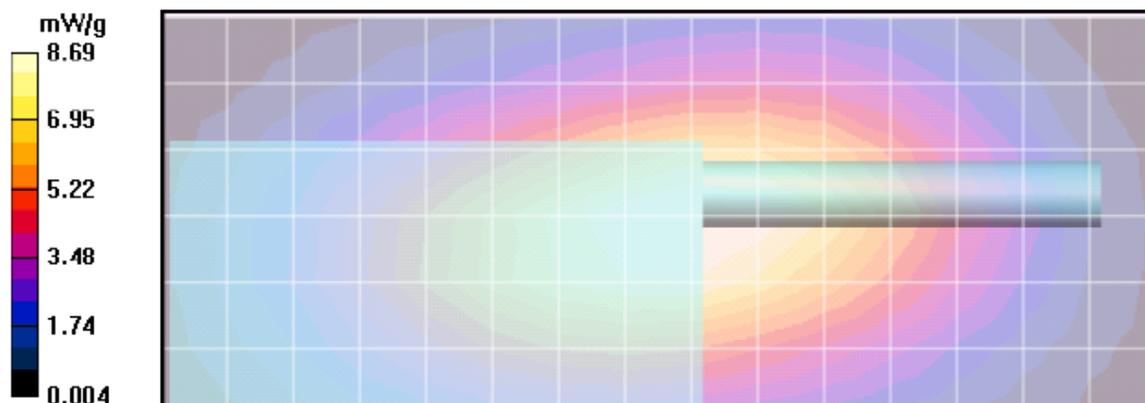
Peak SAR (extrapolated) = 11.6 W/kg

SAR(1 g) = 8.37 mW/g; SAR(10 g) = 6.08 mW/g

Maximum value of SAR (measured) = 8.82 mW/g

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

Maximum value of SAR (measured) = 8.69 mW/g



**Section 13.18, Table 43
Assessment of Industry Canada frequency range - Face**

**Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/20/2012 8:44:36 PM**

Robot# / Run#: DASY4-PG-1 / CcC-FACE-120120-06
Phantom# / Tissue Temp.: ELI4 1028 / 20.1 (C)
DUT Model# / Serial#: PMUE3838A / 446TMM0026
Antenna / TX Freq.: PMAE4070A / 460.000 (MHz)
Battery: PMNN4418A
Carry Acc. / Cable Acc.: NONE / NONE
Start Power: 4.82 (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: 7.838 mW/g (1g); 5.777 mW/g (10g)

Comments: Full scan.

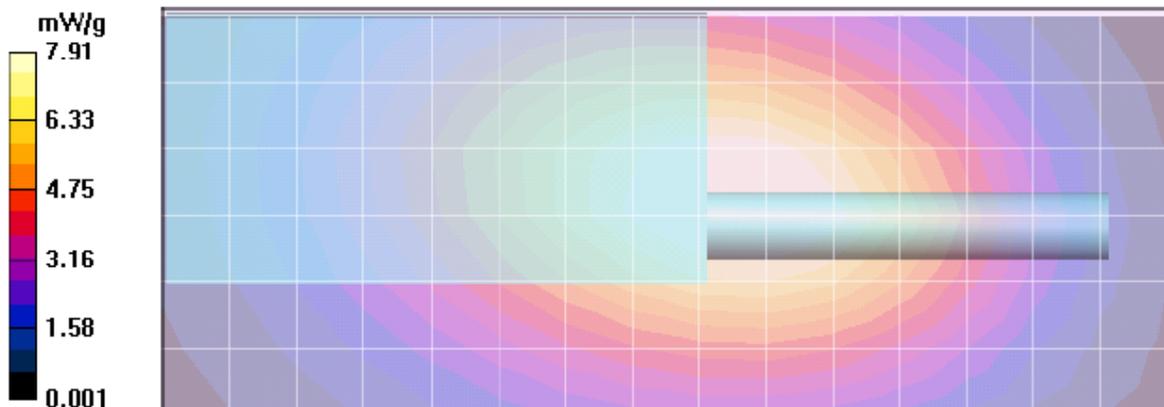
Probe: ES3DV3 - SN3122, Calibrated: 4/14/2011, ConvF(6.43, 6.43, 6.43)
Electronics: DAE3 Sn374, Calibrated: 2/23/2011
Duty Cycle: 1:1, Medium parameters used: $f = 460$ MHz; $\sigma = 0.85$ mho/m; $\epsilon_r = 44.4$; $\rho = 1000$ kg/m³

Face Scan/1-Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 102.1 V/m; Power Drift = -0.360 dB
Motorola Fast SAR: SAR(1 g) = 8.07 mW/g; SAR(10 g) = 5.97 mW/g
Maximum value of SAR (interpolated) = 8.50 mW/g

Face Scan/2-Volume Scan 2D (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 102.1 V/m; Power Drift = -0.422 dB
Peak SAR (extrapolated) = 8.20 W/kg
Motorola Fast SAR: SAR(1 g) = 7.84 mW/g; SAR(10 g) = 5.8 mW/g
Maximum value of SAR (interpolated) = 8.20 mW/g

Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 102.1 V/m; Power Drift = -0.533 dB
Peak SAR (extrapolated) = 10.2 W/kg
SAR(1 g) = 7.68 mW/g; SAR(10 g) = 5.7 mW/g
Maximum value of SAR (measured) = 8.07 mW/g

Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 7.91 mW/g

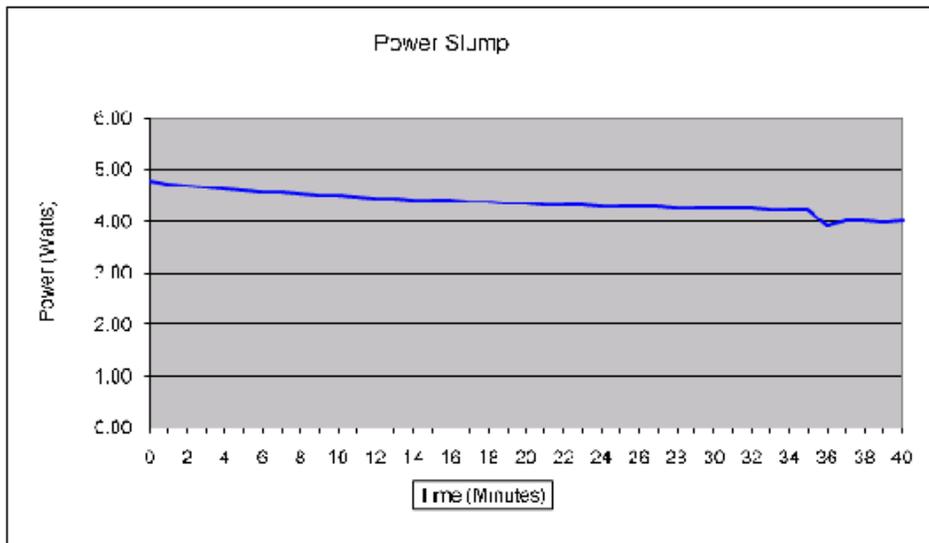


APPENDIX H DUT Supplementary Data (Power slump)

Power Slump Model # : PMUE3838A
Serial # : 446TMM0025

Battery: PMNN4417A **Transmit Mode:** CW
Frequency: 496 MHz **Audio Accessory:** PMLN5727A
Date: 8/22/2011

Tx Time (Minutes)	Measure Power (Watts)
0.0	4.78
1.0	4.71
2.0	4.68
3.0	4.64
4.0	4.62
5.0	4.60
6.0	4.57
7.0	4.55
8.0	4.53
9.0	4.51
10.0	4.49
11.0	4.47
12.0	4.45
13.0	4.44
14.0	4.43
15.0	4.41
16.0	4.40
17.0	4.38
18.0	4.37
19.0	4.36
20.0	4.35
21.0	4.34
22.0	4.33
23.0	4.31
24.0	4.30
25.0	4.30
26.0	4.29
27.0	4.28
28.0	4.27
29.0	4.26
30.0	4.26
31.0	4.25
32.0	4.25
33.0	4.24
34.0	4.24
35.0	4.23
36.0	3.92
37.0	4.02
38.0	4.01
39.0	4.00
40.0	4.01



APPENDIX I
DUT Test Position Photos

Photos available in Exhibit 7B

APPENDIX J
DUT, Body worn and Audio Accessory Photos

Photos available in Exhibit 7B