

 MOTOROLA SOLUTIONS	 ACCREDITED TESTING CERT # 2518.05
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: 09/26/12 Report Revision: O Report ID: SAR rpt_PMUE3750A_Rev.O 120926_SR10749
<p> Responsible Engineer: Tan KaiYan / Tan CheeChin (EME Engineer / Section Manager) Report Author: Tan KaiYan / Tan CheeChin (EME Engineer / Section Manager) Date/s Tested: 7/30/2012-07/31/2012; 08/01/2012-08/02/2012; 09/04/2012-09/05/2012; 09/19/2012 Manufacturer/Location: Motorola, Penang Sector/Group/Div.: PCR Date submitted for test: 7/20/12 DUT Description: Full keypad with GPS & GOB 403 - 470MHz, 1W Test TX mode(s): CW (PTT) Max. Power output: 1.26 W Nominal Power: 1.15 W Tx Frequency Bands: 403-470 MHz Signaling type: FM Model(s) Tested: PMUE3750A Model(s) Certified: PMUE3750A Serial Number(s): 627TNP0126, 627TNP0132 Classification: Occupational/Controlled FCC ID: ABZ99FT4091; Rule Part 90 (406.1-470 MHz) IC: 109AB-99FT4091; (406.1-430 and 450-470 MHz) </p> <p style="text-align: center;">* Refer to section 15 of part 1 for highest SAR summary results.</p> <p> 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. </p> <p> 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. </p>	
 Deanna Zakharia EMS EME Lab Senior Resource Manager, Laboratory Director Approval Date: 9/27/2012	Certification Date: 9/27/2012 Certification No.: L1120803P

Appendix D

Test System Check Scans

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/30/2012 8:04:42 AM

Robot#: DASY5-PG-2 | Run#: PS-SYSP-450B-120730-01
 Dipole Model# D450V3
 Phantom#: ELI4 1037
 Tissue Temp: 21.8 (C)
 Serial#: 1054
 Test Freq: 450 (MHz)
 Start Power: 250 (mW)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 55$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3196, , ConvF(6.99, 6.99, 6.99); Calibrated: 4/27/2012

Electronics: DAE4 Sn688, Calibrated: 4/23/2012

Below 3 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (5x19x1):

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

Maximum value of SAR (measured) = 1.24 mW/g

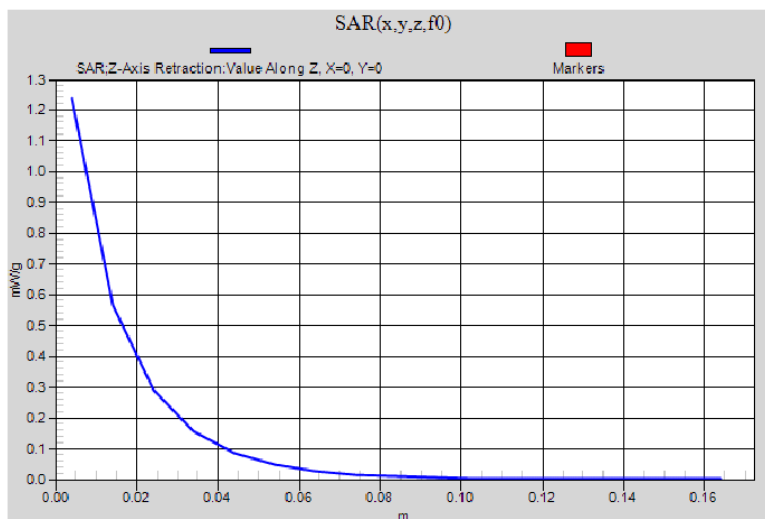
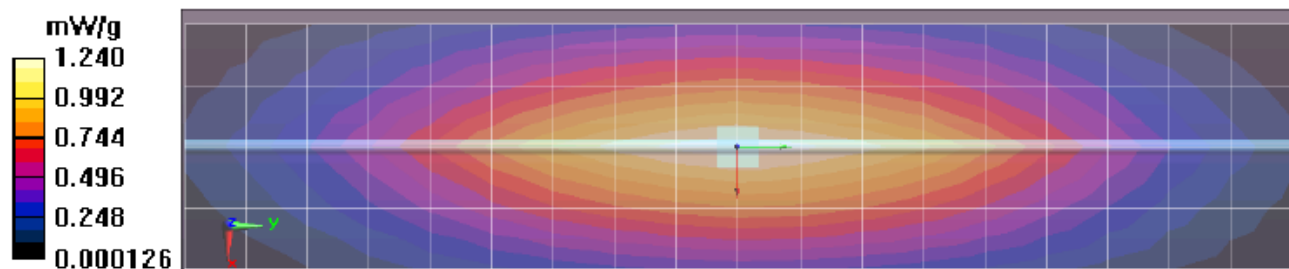
Below 3 GHz-Rev.4/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

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

Reference Value = 36.290 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.802 mW/g

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.764 mW/g (SAR corrected for target medium)

Below 3 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/31/2012 7:08:14 AM

Robot#: DASY5-PG-2 | Run#: PS-SYSP-450B-120731-01
 Dipole Model#: D450V3
 Phantom#: ELI4 1037
 Tissue Temp: 21.4 (C)
 Serial#: 1054
 Test Freq: 450 (MHz)
 Start Power: 250 (mW)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 55$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, , ConvF(6.99, 6.99, 6.99); Calibrated: 4/27/2012
 Electronics: DAE4 Sn688, Calibrated: 4/23/2012

Below 3 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (5x19x1):

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

Maximum value of SAR (measured) = 1.21 mW/g

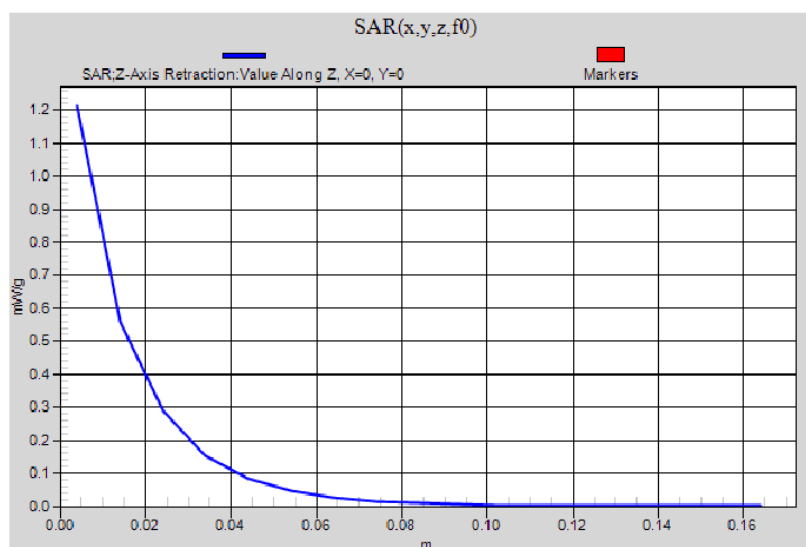
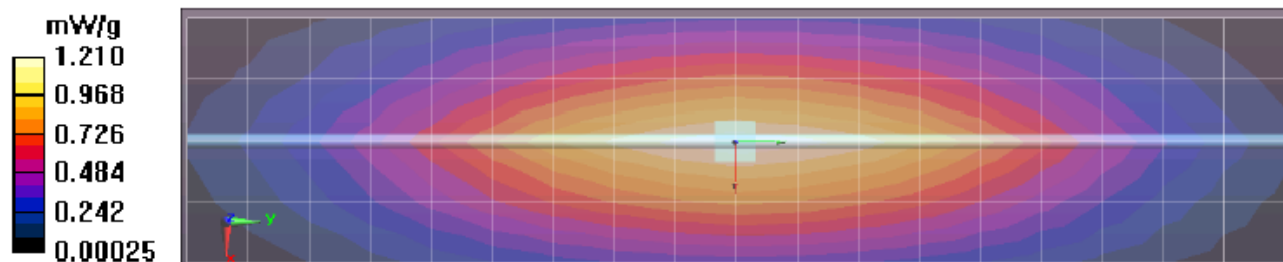
Below 3 GHz-Rev.4/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

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

Reference Value = 36.148 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.757 mW/g

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.757 mW/g (SAR corrected for target medium)

Below 3 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/1/2012 8:10:33 AM

Robot#: DASY5-PG-2 | Run#: PS-SYSP-450H-120801-03
Dipole Model#: D450V3
Phantom#: ELI5 1147
Tissue Temp: 21.2 (C)
Serial#: 1054
Test Freq: 450 (MHz)
Start Power: 250 (mW)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 44$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3196, , ConvF(6.64, 6.64, 6.64); Calibrated: 4/27/2012

Electronics: DAE4 Sn688, Calibrated: 4/23/2012

Below 3 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (5x19x1):

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

Maximum value of SAR (measured) = 1.26 mW/g

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

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

Reference Value = 38.006 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.824 mW/g

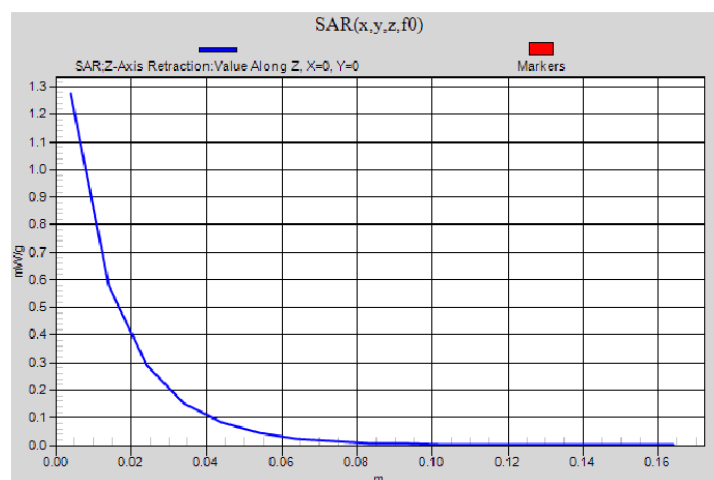
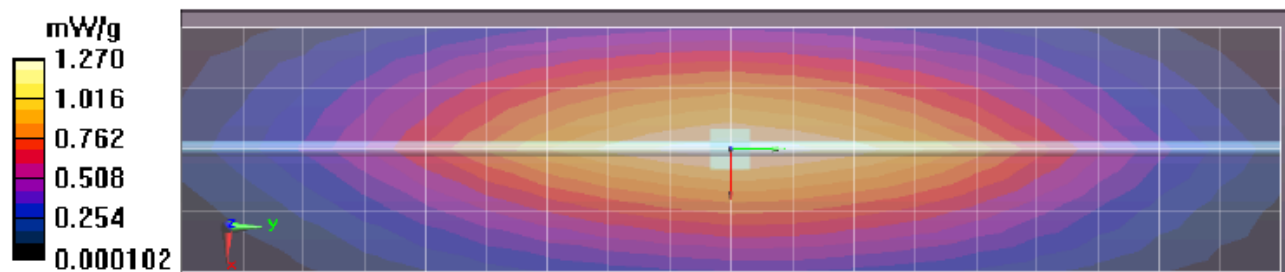
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.773 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.28 mW/g

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

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

Maximum value of SAR (measured) = 1.27 mW/g



Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/2/2012 6:29:09 AM

Robot#: DASY5-PG-2 | Run#: PS-SYSP-450H-120802-01
 Dipole Model# D450V3
 Phantom#: ELI5 1147
 Tissue Temp: 21.9 (C)
 Serial#: 1054
 Test Freq: 450 (MHz)
 Start Power: 250 (mW)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 43.9$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3196, , ConvF(6.64, 6.64, 6.64); Calibrated: 4/27/2012

Electronics: DAE4 Sn688, Calibrated: 4/23/2012

Below 3 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (5x19x1):

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

Maximum value of SAR (measured) = 1.27 mW/g

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

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

Reference Value = 38.214 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.824 mW/g

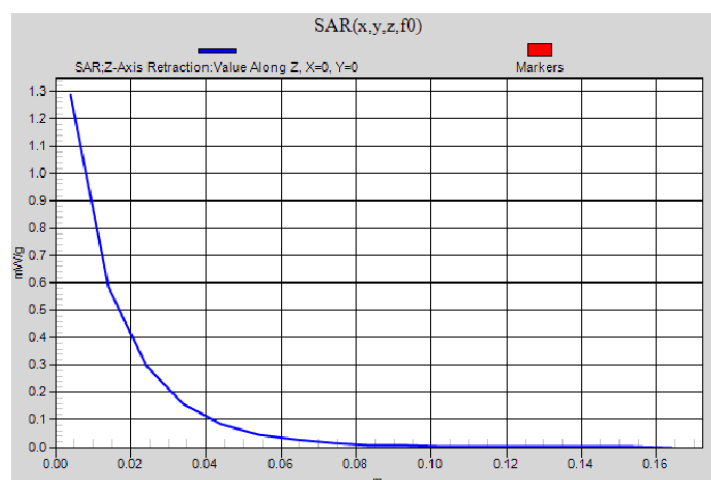
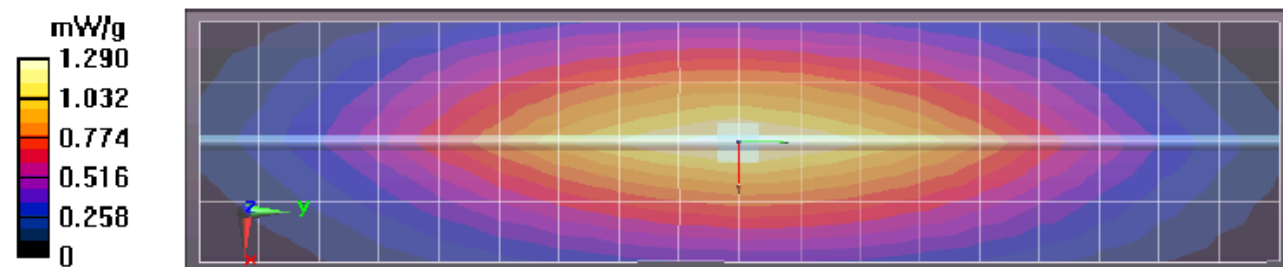
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.779 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.28 mW/g

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

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

Maximum value of SAR (measured) = 1.29 mW/g



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/4/2012 7:02:00 AM

Robot#: DASY4-PG-1 | Run#: PS-SYSP-450B-120904-01
 Dipole Model# D450V3
 Phantom#: ELI4 1103
 Tissue Temp: 21.6 (C)
 Serial#: 1054
 Test Freq: 450 (MHz)
 Start Power: 250 (mW)

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); 0.739 mW/g (10g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 56.5$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.82, 6.82, 6.82)

Electronics: DAE4 Sn688, Calibrated: 4/23/2012

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

Reference Value = 35.5 V/m; Power Drift = 0.00166 dB

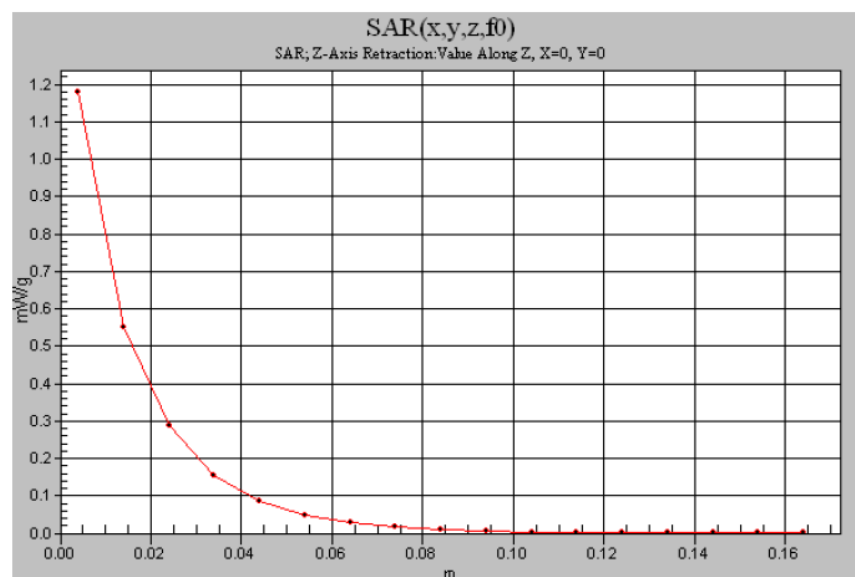
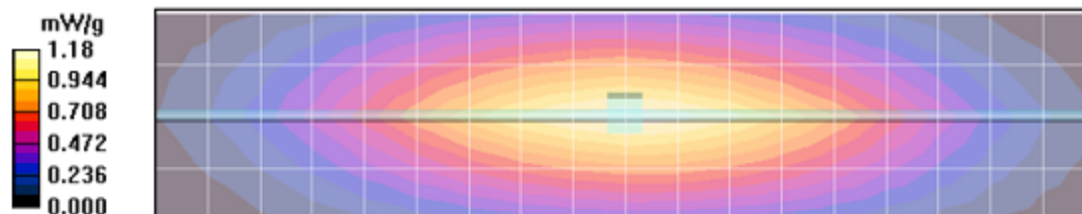
Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.737 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

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/5/2012 6:39:42 AM

Robot#: DASY4-PG-1 | Run#: PS-SYSP-450B-120905-01
 Dipole Model# D450V3
 Phantom#: ELI4 1103
 Tissue Temp: 21.6 (C)
 Serial#: 1054
 Test Freq: 450 (MHz)
 Start Power: 250 (mW)

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); 0.739 mW/g (10g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 56.4$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.82, 6.82, 6.82)

Electronics: DAE4 Sn688, Calibrated: 4/23/2012

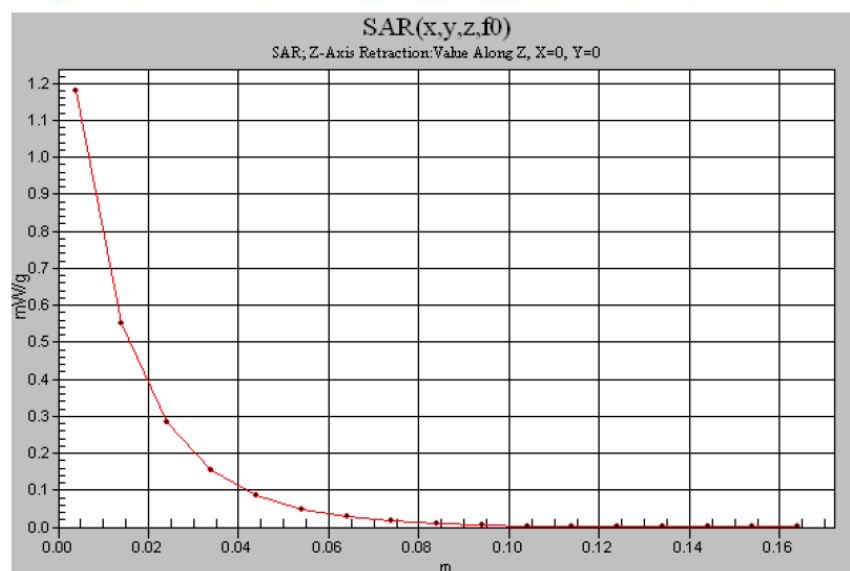
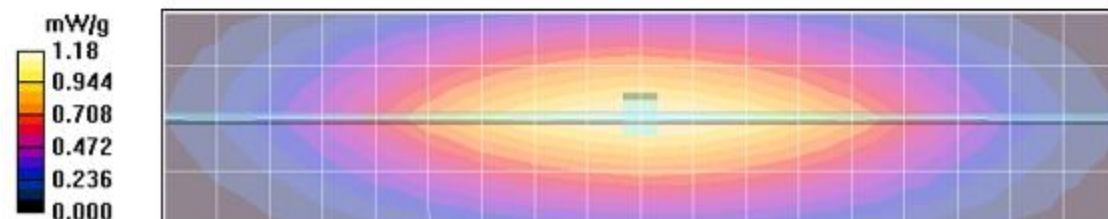
System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 35.6 V/m; Power Drift = 0.0139 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.737 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

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/19/2012 1:21:32 PM

Robot#: DASY4-PG-1 | Run#: CcC-SYSP-450B-120919-01
 Dipole Model# D450V3
 Phantom#: ELI4 1103
 Tissue Temp: 20.7 (C)
 Serial#: 1054
 Test Freq: 450 (MHz)
 Start Power: 250 (mW)

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

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 57.2$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.82, 6.82, 6.82)

Electronics: DAE4 Sn688, Calibrated: 4/23/2012

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

Reference Value = 35.6 V/m; Power Drift = 0.000738 dB

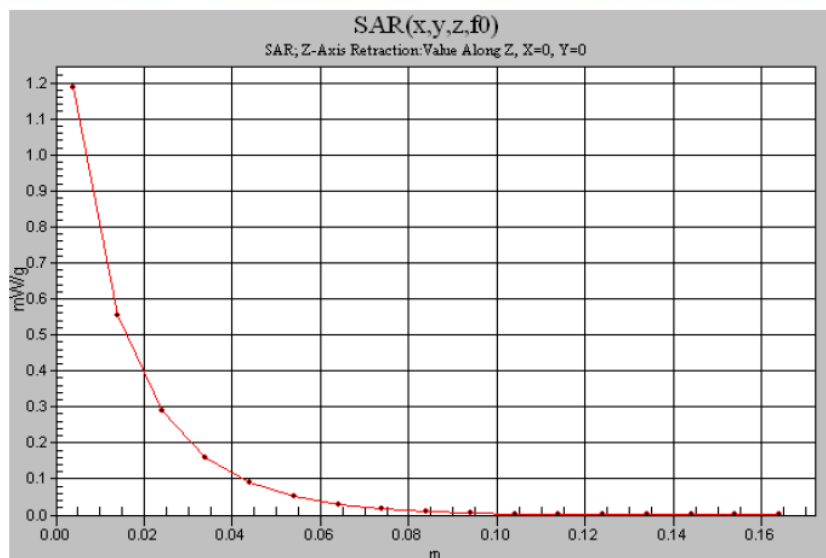
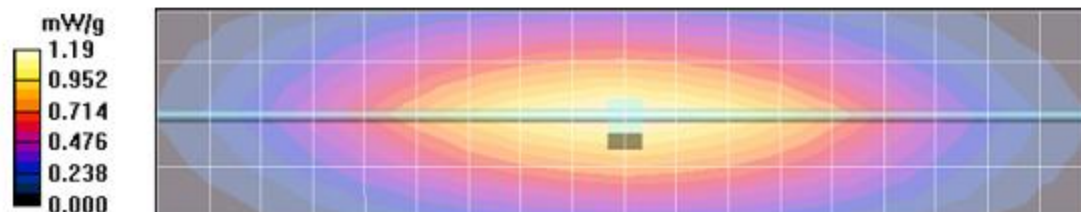
Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.745 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: 9/19/2012 6:45:39 AM

Robot#: DASY5-PG-2 | Run#: CcC-SYSP-450H-120919-01
 Dipole Model#: D450V3
 Phantom#: ELI5 1147
 Tissue Temp: 20.7 (C)
 Serial#: 1054
 Test Freq: 450 (MHz)
 Start Power: 250 (mW)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.86$ mho/m; $\epsilon_r = 43.2$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3196, , ConvF(6.64, 6.64, 6.64); Calibrated: 4/27/2012

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

Below 3 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (5x19x1):

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

Maximum value of SAR (measured) = 1.23 W/kg

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

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

Reference Value = 38.164 V/m; Power Drift = -0.03 dB

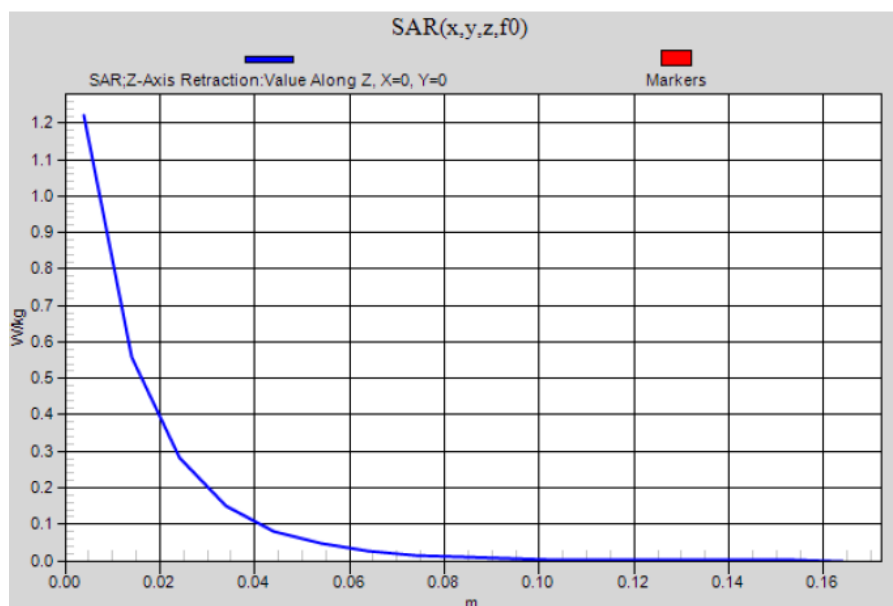
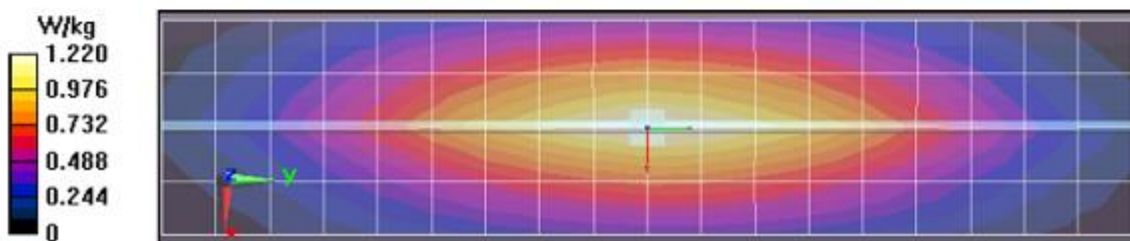
Peak SAR (extrapolated) = 1.744 mW/g

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.765 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.22 W/kg

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

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



Appendix E
Worst Case for Band 406.1 – 470 MHz
DUT Scans (Shortened Scan and Highest SAR configurations)

Shortened Scan Result Table 23

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/5/2012 4:38:05 PM

Robot#: DASY4-PG-1 | Run#: PS-AB-120905-16
 Model#: PMUE3750A
 Phantom#: ELI4 1103
 Tissue Temp: 21.0 (C)
 Serial#: 627TNP0132
 Antenna: PMAE4082A
 Test Freq: 430.000 (MHz)
 Battery: NNTN8359A
 Carry Acc: PMLN6086A
 Audio Acc: PMMN4067B
 Start Power: 1.27 (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: 2.657 mW/g (1g); 1.754 mW/g (10g)

Comments: Shorten Scan

Duty Cycle: 1:1, Medium parameters used: $f = 430$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 56.7$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.82, 6.82, 6.82)
 Electronics: DAE4 Sn688, Calibrated: 4/23/2012

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

Reference Value = 45.3 V/m; Power Drift = -0.177 dB

Motorola Fast SAR: SAR(1 g) = 2.48 mW/g; SAR(10 g) = 1.75 mW/g

Maximum value of SAR (interpolated) = 2.67 mW/g

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

Reference Value = 45.3 V/m; Power Drift = -0.196 dB

Peak SAR (extrapolated) = 2.83 W/kg

Motorola Fast SAR: SAR(1 g) = 2.58 mW/g; SAR(10 g) = 1.76 mW/g

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

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

Reference Value = 56.4 V/m; Power Drift = -0.116 dB

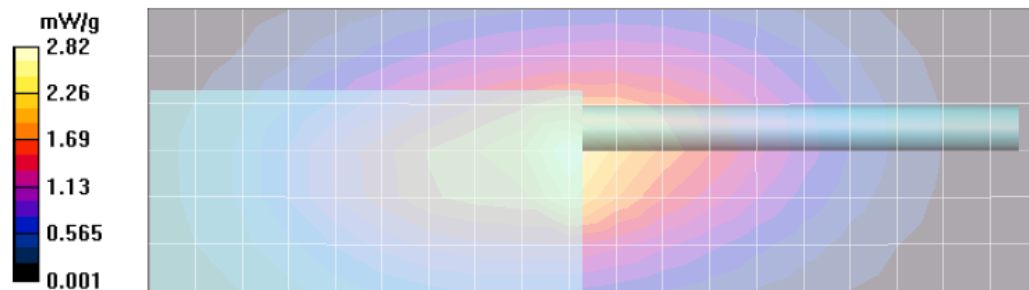
Peak SAR (extrapolated) = 4.21 W/kg

SAR(1 g) = 2.62 mW/g; SAR(10 g) = 1.74 mW/g

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

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

Maximum value of SAR (measured) = 2.82 mW/g



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

Representative full scan run time was 24 minutes.

“Shortened” scan max calculated SAR using SAR drift: 1-g Avg. = 1.36 mW/g; 10-g Avg. = 0.90 mW/g.

Zoom scan max calculated SAR using SAR drift (see part 1 section 13.9): 1-g Avg. = 1.36 mW/g; 10-g Avg. = 0.90 mW/g. (Run# PS-AB-120905-15, Table 21)

Body - Highest SAR Configuration Result Table 23

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/5/2012 4:06:05 PM

Robot#: DASY4-PG-1 | Run#: PS-AB-120905-15
 Model#: PMUE3750A
 Phantom#: ELI4 1103
 Tissue Temp: 21.1 (C)
 Serial#: 627TNP0132
 Antenna: PMAE4082A
 Test Freq: 430.000 (MHz)
 Battery: NNTN8359A
 Carry Acc: PMLN6086A
 Audio Acc: PMMN4067B
 Start Power: 1.27 (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: 2.576 mW/g (1g); 1.704 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 430$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 56.7$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.82, 6.82, 6.82)

Electronics: DAE4 Sn688, Calibrated: 4/23/2012

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

Reference Value = 45.0 V/m; Power Drift = -0.147 dB

Motorola Fast SAR: SAR(1 g) = 2.5 mW/g; SAR(10 g) = 1.77 mW/g

Maximum value of SAR (interpolated) = 2.69 mW/g

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

Reference Value = 45.0 V/m; Power Drift = -0.165 dB

Peak SAR (extrapolated) = 2.84 W/kg

Motorola Fast SAR: SAR(1 g) = 2.6 mW/g; SAR(10 g) = 1.77 mW/g

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

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

Reference Value = 45.0 V/m; Power Drift = -0.221 dB

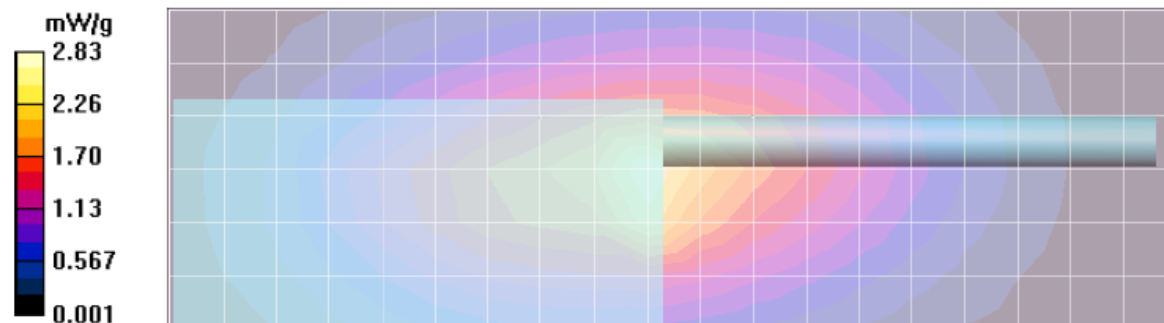
Peak SAR (extrapolated) = 4.06 W/kg

SAR(1 g) = 2.54 mW/g; SAR(10 g) = 1.69 mW/g

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

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

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



Face - Highest SAR Configuration Result Table 22

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/1/2012 7:47:54 PM

Robot#: DASY5-PG-2 | Run#: CcC-FACE-120801-15
 Model#: PMUE3750A
 Phantom#: ELI5 1147
 Tissue Temp: 21.3 (C)
 Serial#: 627TNP0126
 Antenna: PMAE4082A
 Test Freq: 430.000(MHz)
 Battery: NNTN8359A
 Carry Acc: NONE
 Audio Acc: NONE
 Start Power: 1.29 (W)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.87 \text{ mho/m}$; $\epsilon_r = 44.4$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3196, , ConvF(6.64, 6.64, 6.64); Calibrated: 4/27/2012
 Electronics: DAE4 Sn688, Calibrated: 4/23/2012

Below 3 GHz-Rev.5/Face Scan/1-Area Scan (61x191x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 45.926 V/m; Power Drift = -0.21 dB

Fast SAR: SAR(1 g) = 1.77 mW/g; SAR(10 g) = 1.32 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.85 mW/g

Below 3 GHz-Rev.5/Face Scan/2-Volume Scan 2D (41x41x1): Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=1\text{mm}$

Reference Value = 45.926 V/m; Power Drift = -0.23 dB

Peak SAR (extrapolated) = **Not Specified** mW/g

Fast SAR: SAR(1 g) = 1.74 mW/g; SAR(10 g) = 1.29 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.81 mW/g

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

Reference Value = 45.926 V/m; Power Drift = -0.29 dB

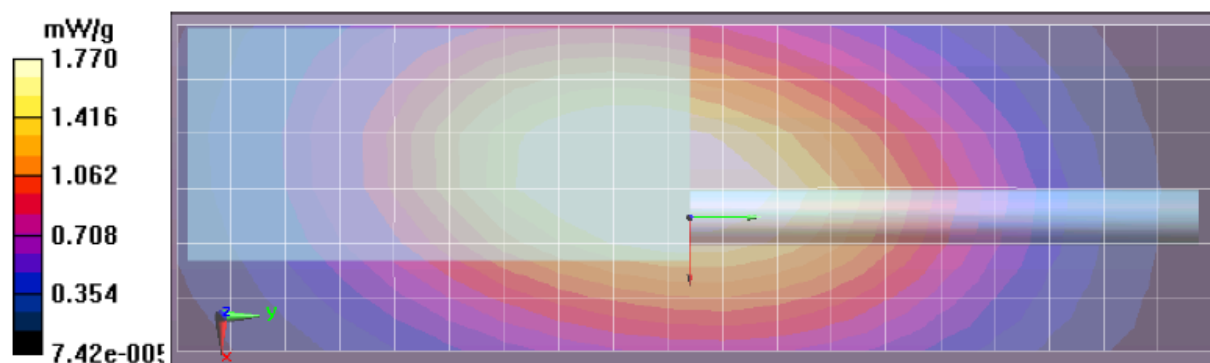
Peak SAR (extrapolated) = 2.232 mW/g

SAR(1 g) = 1.72 mW/g; SAR(10 g) = 1.3 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.79 mW/g

Below 3 GHz-Rev.5/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$

Maximum value of SAR (measured) = 1.77 mW/g



APPENDIX F
DUT Scans - FCC Part 90 (406.1 – 470 MHz) per KDB 643646

Assessments at the Body with Body worn PMLN6086A

Table 14

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/30/2012 3:26:17 PM

Robot#: DASY5-PG-2 | Run#: Lee-AB-120730-05
 Model#: PMUE3750A
 Phantom#: ELI4 1037
 Tissue Temp: 20.9 (C)
 Serial#: 627TNP0126
 Antenna: PMAE4081A
 Test Freq: 419.600 (MHz)
 Battery: NNTN8359A
 Carry Acc: PMLN6086A
 Audio Acc: PMMN4067B
 Start Power: 1.28 (W)

Comments: Full Scan.

Duty Cycle: 1:1, Medium parameters used: $f = 420$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3196, , ConvF(6.99, 6.99, 6.99); Calibrated: 4/27/2012

Electronics: DAE4 Sn688, Calibrated: 4/23/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (61x191x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 46.297 V/m; Power Drift = -0.17 dB

Fast SAR: SAR(1 g) = 2.22 mW/g; SAR(10 g) = 1.58 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.36 mW/g

Below 3 GHz-Rev.5/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 46.297 V/m; Power Drift = -0.21 dB

Peak SAR (extrapolated) = **Not Specified** mW/g

Fast SAR: SAR(1 g) = 2.3 mW/g; SAR(10 g) = 1.58 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.47 mW/g

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

Reference Value = 46.297 V/m; Power Drift = -0.26 dB

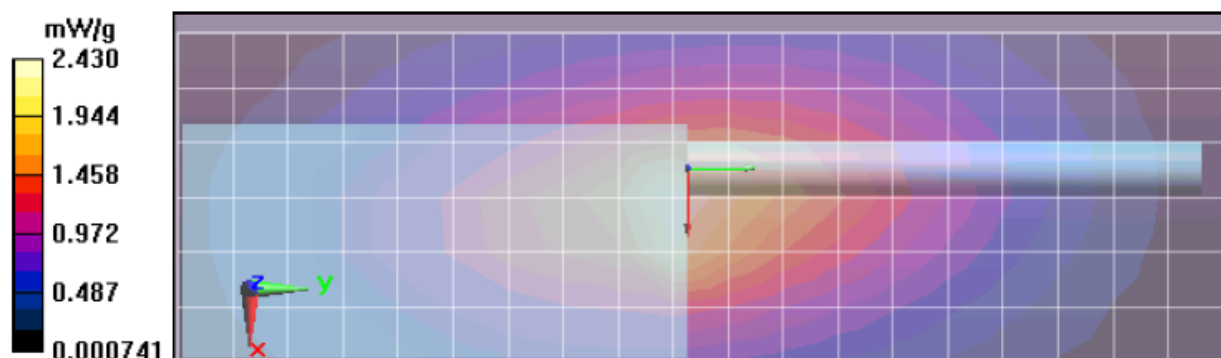
Peak SAR (extrapolated) = 3.500 mW/g

SAR(1 g) = 2.24 mW/g; SAR(10 g) = 1.49 mW/g (SAR corrected for target medium)

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

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

Maximum value of SAR (measured) = 2.43 mW/g



Assessments at the Body with Body worn PMLN6097A

Table 15

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/31/2012 10:05:09 AM

Robot#: DASY5-PG-2 | Run#: Lee-AB-120731-03
 Model#: PMUE3750A
 Phantom#: ELI4 1037
 Tissue Temp: 20.9 (C)
 Serial#: 627TNP0126
 Antenna: PMAE4081A
 Test Freq: 419.600 (MHz)
 Battery: NNTN8359A
 Carry Acc: PMLN6097A
 Audio Acc: PMMN4067B
 Start Power: 1.29 (W)

Comments: Full Scan.

Duty Cycle: 1:1, Medium parameters used: $f = 420$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3196, , ConvF(6.99, 6.99, 6.99); Calibrated: 4/27/2012

Electronics: DAE4 Sn688, Calibrated: 4/23/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (61x191x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 24.353 V/m; Power Drift = -0.19 dB

Fast SAR: SAR(1 g) = 0.536 mW/g; SAR(10 g) = 0.401 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.545 mW/g

Below 3 GHz-Rev.5/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 24.353 V/m; Power Drift = -0.21 dB

Peak SAR (extrapolated) = **Not Specified** mW/g

Fast SAR: SAR(1 g) = 0.526 mW/g; SAR(10 g) = 0.392 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.534 mW/g

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

Reference Value = 24.353 V/m; Power Drift = -0.26 dB

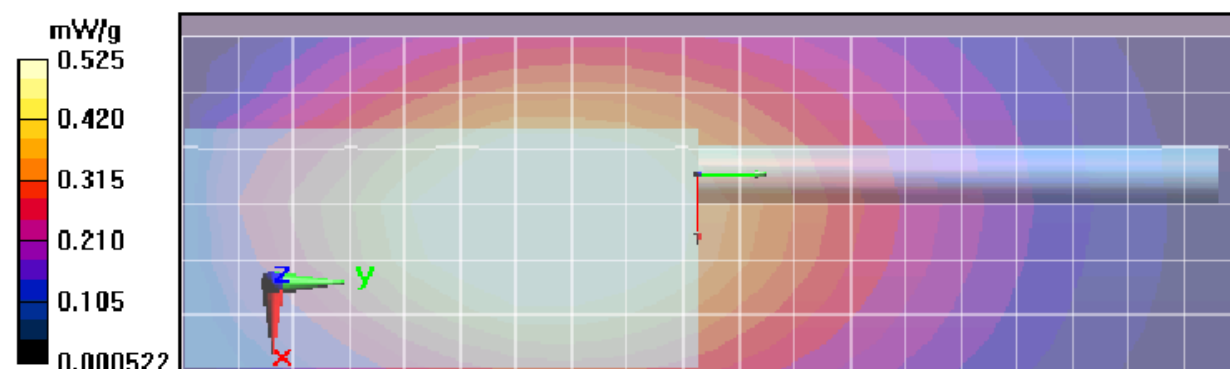
Peak SAR (extrapolated) = 0.661 mW/g

SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.400 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.528 mW/g

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

Maximum value of SAR (measured) = 0.525 mW/g



Assessments at the Body with Body worn PMLN6099A

Table 16

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/31/2012 2:34:02 PM

Robot#: DASY5-PG-2 | Run#: Lee-AB-120731-08
 Model#: PMUE3750A
 Phantom#: ELI4 1037
 Tissue Temp: 20.8 (C)
 Serial#: 627TNP0126
 Antenna: PMAE4081A
 Test Freq: 419.600 (MHz)
 Battery: NNTN8359A
 Carry Acc: PMLN6099A
 Audio Acc: PMMN4067B
 Start Power: 1.27 (W)

Comments: Full Scan.

Duty Cycle: 1:1, Medium parameters used: $f = 420 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

Probe: ES3DV3 - SN3196, , ConvF(6.99, 6.99, 6.99); Calibrated: 4/27/2012

Electronics: DAE4 Sn688, Calibrated: 4/23/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (61x191x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 26.118 V/m; Power Drift = -0.20 dB

Fast SAR: SAR(1 g) = 0.622 mW/g; SAR(10 g) = 0.465 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.632 mW/g

Below 3 GHz-Rev.5/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=1\text{mm}$

Reference Value = 26.118 V/m; Power Drift = -0.23 dB

Peak SAR (extrapolated) = **Not Specified** mW/g

Fast SAR: SAR(1 g) = 0.609 mW/g; SAR(10 g) = 0.454 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.621 mW/g

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

Reference Value = 26.118 V/m; Power Drift = -0.28 dB

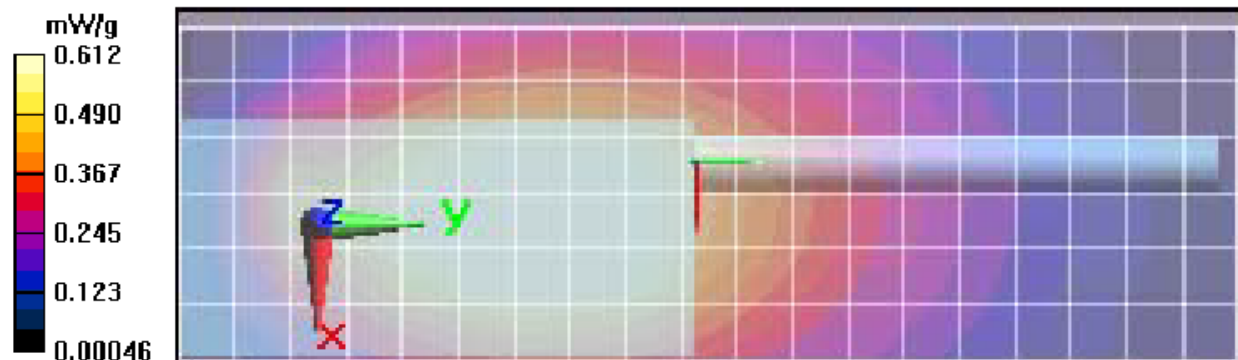
Peak SAR (extrapolated) = 0.769 mW/g

SAR(1 g) = 0.605 mW/g; SAR(10 g) = 0.463 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.615 mW/g

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

Maximum value of SAR (measured) = 0.612 mW/g



Assessments at the Body with other audio accessories

Assessment per KDB 643646 D01 Body SAR Test Considerations for Audio Accessories without Built-in Antenna; Sec 1, A. when overall < 4.0 W/kg, SAR tests for that audio accessory is not necessary. This was applicable to all remaining accessories.

Assessments at the Face

Table 19

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/1/2012 9:47:40 AM

Robot#: DASY5-PG-2 | Run#: Lee-FACE-120801-04
 Model#: PMUE3750A
 Phantom#: ELI5 1147
 Tissue Temp: 21.0 (C)
 Serial#: 627TNP0126
 Antenna: PMAE4081A
 Test Freq: 419.600(MHz)
 Battery: NNTN8359A
 Carry Acc: NONE
 Audio Acc: NONE
 Start Power: 1.28 (W)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 420$ MHz; $\sigma = 0.86$ mho/m; $\epsilon_r = 44.6$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, , ConvF(6.64, 6.64, 6.64); Calibrated: 4/27/2012
 Electronics: DAE4 Sn688, Calibrated: 4/23/2012

Below 3 GHz-Rev.5/Face Scan/1-Area Scan (61x201x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 45.543 V/m; Power Drift = -0.21 dB

Fast SAR: SAR(1 g) = 1.72 mW/g; SAR(10 g) = 1.28 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.78 mW/g

Below 3 GHz-Rev.5/Face Scan/2-Volume Scan 2D (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 45.543 V/m; Power Drift = -0.24 dB

Peak SAR (extrapolated) = **Not Specified** mW/g

Fast SAR: SAR(1 g) = 1.69 mW/g; SAR(10 g) = 1.26 mW/g (SAR corrected for target medium)

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

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

Reference Value = 45.543 V/m; Power Drift = -0.29 dB

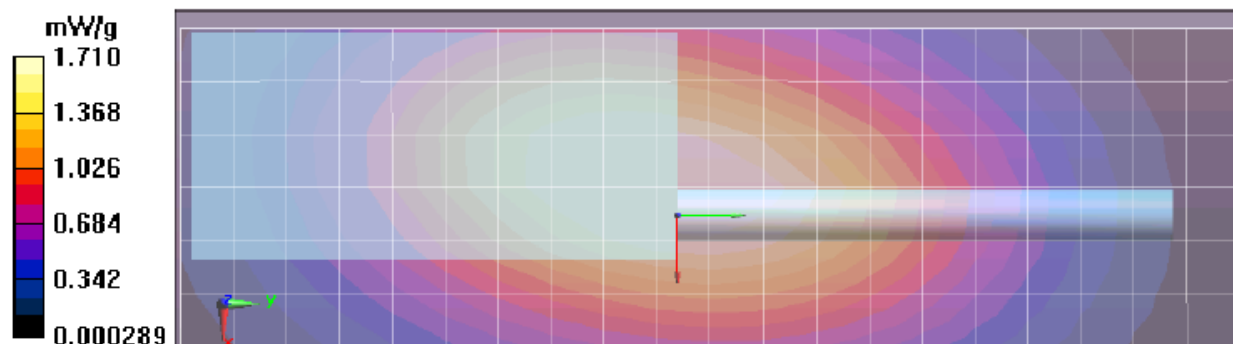
Peak SAR (extrapolated) = 2.162 mW/g

SAR(1 g) = 1.67 mW/g; SAR(10 g) = 1.25 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.73 mW/g

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

Maximum value of SAR (measured) = 1.71 mW/g



APPENDIX G

DUT Scans Outside Part 90 (403 – 470 MHz) & Industry Canada Frequency Range (406.1-430 MHz) and (450-470 MHz) within Part 90

Data from 403-406 MHz enclosed for this Appendix is not applicable for FCC Part 90

**Additional frequencies ran within the FCC band to satisfy Industry Canada frequencies are applicable for
FCC Part 90**

Assessments outside FCC Part 90 at the Body

Table 17

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/4/2012 10:51:12 AM

Robot#: DASY4-PG-1 | Run#: PS-AB-120904-07
 Model#: PMUE3750A
 Phantom#: ELI4 1103
 Tissue Temp: 21.4 (C)
 Serial#: 627TNP0126
 Antenna: PMAE4081A
 Test Freq: 403.000 (MHz)
 Battery: NNTN8359A
 Carry Acc: PMLN6086A
 Audio Acc: PMMN4067B
 Start Power: 1.28 (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: 2.074 mW/g (1g); 1.383 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 403$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 57.2$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.82, 6.82, 6.82)

Electronics: DAE4 Sn688, Calibrated: 4/23/2012

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

Reference Value = 42.0 V/m; Power Drift = -0.214 dB

Motorola Fast SAR: SAR(1 g) = 2.04 mW/g; SAR(10 g) = 1.44 mW/g

Maximum value of SAR (interpolated) = 2.20 mW/g

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

Reference Value = 42.0 V/m; Power Drift = -0.244 dB

Peak SAR (extrapolated) = 2.28 W/kg

Motorola Fast SAR: SAR(1 g) = 2.09 mW/g; SAR(10 g) = 1.43 mW/g

Maximum value of SAR (interpolated) = 2.28 mW/g

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

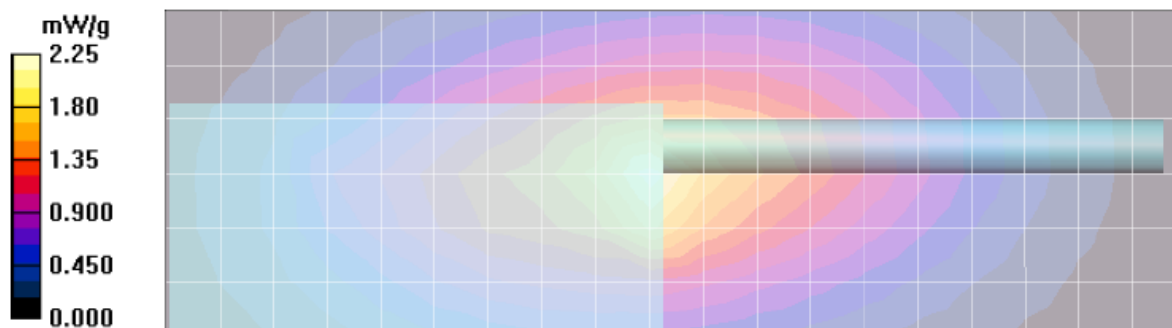
Reference Value = 42.0 V/m; Power Drift = -0.299 dB

Peak SAR (extrapolated) = 3.22 W/kg

SAR(1 g) = 2.04 mW/g; SAR(10 g) = 1.37 mW/g

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

Maximum value of SAR (measured) = 2.25 mW/g



Assessments outside FCC Part 90 at the Face

Table 20

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/1/2012 4:13:17 PM

Robot#: DASY5-PG-2 | Run#: Lee-FACE-120801-10
 Model#: PMUE3750A
 Phantom#: ELI5 1147
 Tissue Temp: 20.6 (C)
 Serial#: 627TNP0126
 Antenna: PMAE4081A
 Test Freq: 403.000(MHz)
 Battery: NNTN8359A
 Carry Acc: NONE
 Audio Acc: NONE
 Start Power: 1.28 (W)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 403 \text{ MHz}$; $\sigma = 0.84 \text{ mho/m}$; $\epsilon_r = 45$; $\rho = 1000 \text{ kg/m}^3$

Probe: ES3DV3 - SN3196, , ConvF(6.64, 6.64, 6.64); Calibrated: 4/27/2012

Electronics: DAE4 Sn688, Calibrated: 4/23/2012

Below 3 GHz-Rev.5/Face Scan/1-Area Scan (61x191x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 42.981 V/m; Power Drift = -0.22 dB

Fast SAR: SAR(1 g) = 1.52 mW/g; SAR(10 g) = 1.13 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.54 mW/g

Below 3 GHz-Rev.5/Face Scan/2-Volume Scan 2D (41x41x1): Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=1\text{mm}$

Reference Value = 42.981 V/m; Power Drift = -0.26 dB

Peak SAR (extrapolated) = **Not Specified** mW/g

Fast SAR: SAR(1 g) = 1.49 mW/g; SAR(10 g) = 1.1 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.50 mW/g

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

Reference Value = 42.981 V/m; Power Drift = -0.29 dB

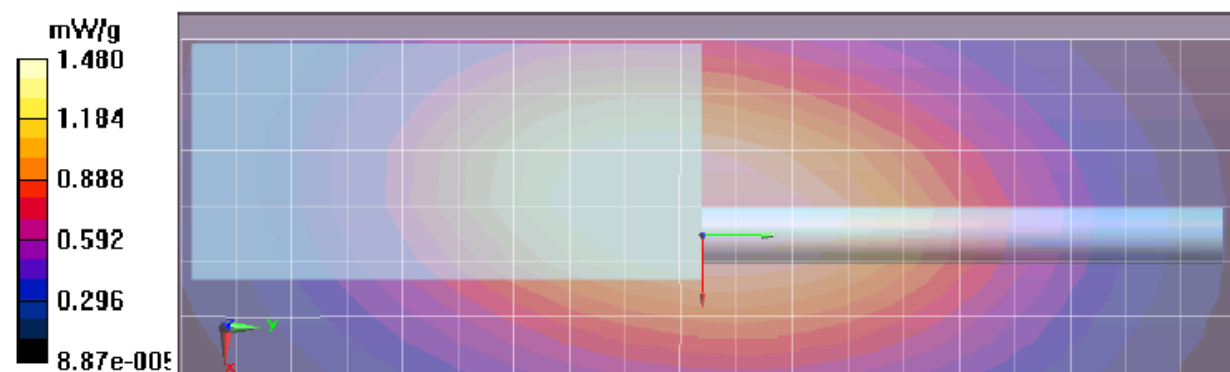
Peak SAR (extrapolated) = 1.861 mW/g

SAR(1 g) = 1.48 mW/g; SAR(10 g) = 1.11 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.49 mW/g

Below 3 GHz-Rev.5/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$

Maximum value of SAR (measured) = 1.48 mW/g



Assessment for Industry Canada frequency range - Body

Table 21

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/5/2012 4:06:05 PM

Robot#: DASY4-PG-1 | Run#: PS-AB-120905-15
 Model#: PMUE3750A
 Phantom#: ELI4 1103
 Tissue Temp: 21.1 (C)
 Serial#: 627TNP0132
 Antenna: PMAE4082A
 Test Freq: 430.000 (MHz)
 Battery: NNTN8359A
 Carry Acc: PMLN6086A
 Audio Acc: PMMN4067B
 Start Power: 1.27 (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: 2.576 mW/g (1g); 1.704 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 430$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 56.7$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.82, 6.82, 6.82)

Electronics: DAE4 Sn688, Calibrated: 4/23/2012

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

Reference Value = 45.0 V/m; Power Drift = -0.147 dB

Motorola Fast SAR: SAR(1 g) = 2.5 mW/g; SAR(10 g) = 1.77 mW/g

Maximum value of SAR (interpolated) = 2.69 mW/g

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

Reference Value = 45.0 V/m; Power Drift = -0.165 dB

Peak SAR (extrapolated) = 2.84 W/kg

Motorola Fast SAR: SAR(1 g) = 2.6 mW/g; SAR(10 g) = 1.77 mW/g

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

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

Reference Value = 45.0 V/m; Power Drift = -0.221 dB

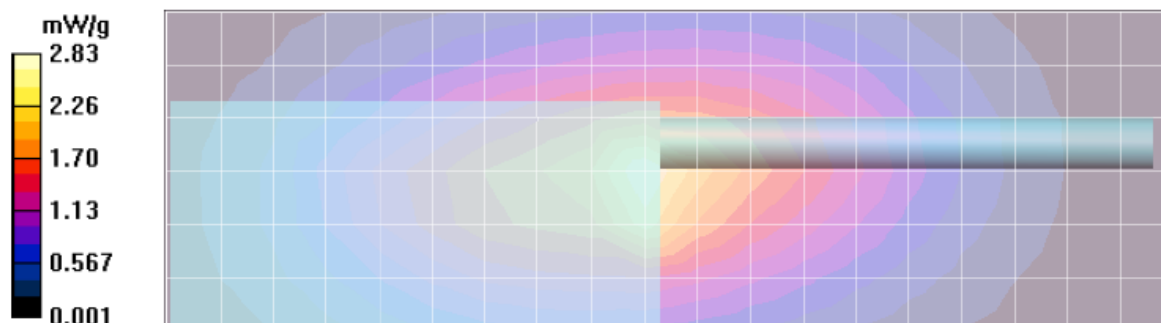
Peak SAR (extrapolated) = 4.06 W/kg

SAR(1 g) = 2.54 mW/g; SAR(10 g) = 1.69 mW/g

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

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

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



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/5/2012 12:13:13 PM

Robot#: DASY4-PG-1 | Run#: PS-AB-120905-08
 Model#: PMUE3750A
 Phantom#: ELI4 1103
 Tissue Temp: 21.2 (C)
 Serial#: 627TNP0126
 Antenna: PMAE4082A
 Test Freq: 470.000 (MHz)
 Battery: NNTN8359A
 Carry Acc: PMLN6086A
 Audio Acc: PMMN4067B
 Start Power: 1.30 (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: 1.910 mW/g (1g); 1.240 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 470$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 56.1$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.82, 6.82, 6.82)

Electronics: DAE4 Sn688, Calibrated: 4/23/2012

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

Reference Value = 38.6 V/m; Power Drift = -0.263 dB

Motorola Fast SAR: SAR(1 g) = 1.88 mW/g; SAR(10 g) = 1.33 mW/g

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

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

Reference Value = 38.6 V/m; Power Drift = -0.298 dB

Peak SAR (extrapolated) = 2.15 W/kg

Motorola Fast SAR: SAR(1 g) = 1.95 mW/g; SAR(10 g) = 1.31 mW/g

Maximum value of SAR (interpolated) = 2.15 mW/g

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

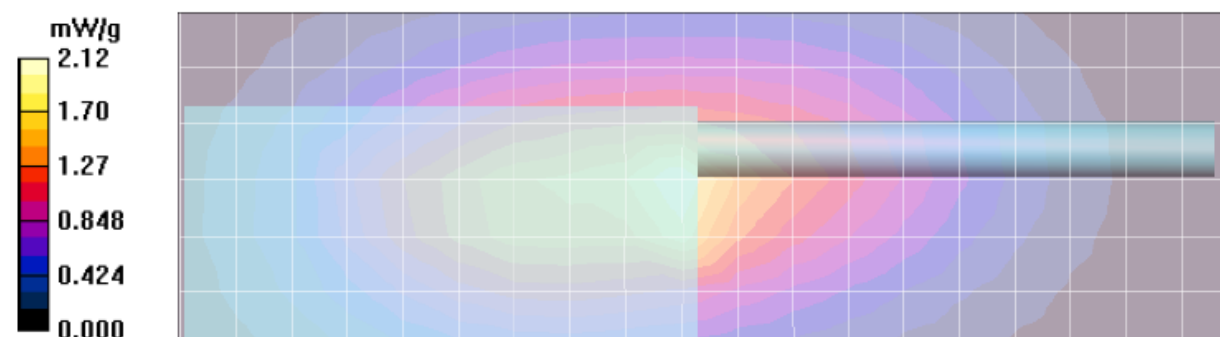
Reference Value = 38.6 V/m; Power Drift = -0.377 dB

Peak SAR (extrapolated) = 3.21 W/kg

SAR(1 g) = 1.91 mW/g; SAR(10 g) = 1.24 mW/g

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

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



Assessment for Industry Canada frequency range - Face
Table 22

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/1/2012 7:47:54 PM

Robot#: DASY5-PG-2 | Run#: CcC-FACE-120801-15
 Model#: PMUE3750A
 Phantom#: ELI5 1147
 Tissue Temp: 21.3 (C)
 Serial#: 627TNP0126
 Antenna: PMAE4082A
 Test Freq: 430.000(MHz)
 Battery: NNTN8359A
 Carry Acc: NONE
 Audio Acc: NONE
 Start Power: 1.29 (W)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.87 \text{ mho/m}$; $\epsilon_r = 44.4$; $\rho = 1000 \text{ kg/m}^3$

Probe: ES3DV3 - SN3196, , ConvF(6.64, 6.64, 6.64); Calibrated: 4/27/2012

Electronics: DAE4 Sn688, Calibrated: 4/23/2012

Below 3 GHz-Rev.5/Face Scan/1-Area Scan (61x191x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 45.926 V/m; Power Drift = -0.21 dB

Fast SAR: SAR(1 g) = 1.77 mW/g; SAR(10 g) = 1.32 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.85 mW/g

Below 3 GHz-Rev.5/Face Scan/2-Volume Scan 2D (41x41x1): Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=1\text{mm}$

Reference Value = 45.926 V/m; Power Drift = -0.23 dB

Peak SAR (extrapolated) = **Not Specified** mW/g

Fast SAR: SAR(1 g) = 1.74 mW/g; SAR(10 g) = 1.29 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.81 mW/g

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

Reference Value = 45.926 V/m; Power Drift = -0.29 dB

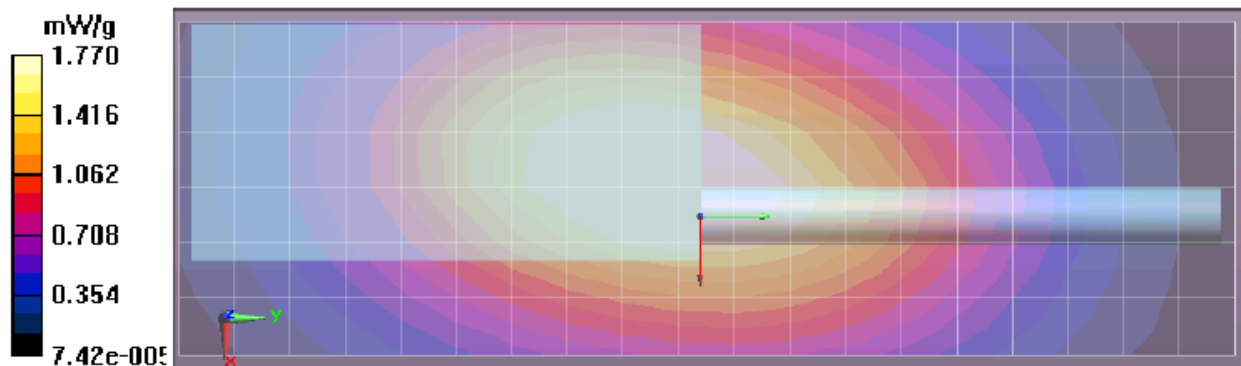
Peak SAR (extrapolated) = 2.232 mW/g

SAR(1 g) = 1.72 mW/g; SAR(10 g) = 1.3 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.79 mW/g

Below 3 GHz-Rev.5/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$

Maximum value of SAR (measured) = 1.77 mW/g



Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/2/2012 7:44:13 AM

Robot#: DASY5-PG-2 | Run#: PS-FACE-120802-03
 Model#: PMUE3750A
 Phantom#: ELI5 1147
 Tissue Temp: 21.8 (C)
 Serial#: 627TNP0126
 Antenna: PMAE4082A
 Test Freq: 470.000(MHz)
 Battery: NNTN8359A
 Carry Acc: NONE
 Audio Acc: NONE
 Start Power: 1.31 (W)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 470$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 43.5$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, , ConvF(6.64, 6.64, 6.64); Calibrated: 4/27/2012
 Electronics: DAE4 Sn688, Calibrated: 4/23/2012

Below 3 GHz-Rev.5/Face Scan/1-Area Scan (61x191x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 39.751 V/m; Power Drift = -0.27 dB

Fast SAR: SAR(1 g) = 1.4 mW/g; SAR(10 g) = 1.04 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.47 mW/g

Below 3 GHz-Rev.5/Face Scan/2-Volume Scan 2D (41x41x1): Measurement grid: dx=7.5mm,

dy=7.5mm, dz=1mm

Reference Value = 39.751 V/m; Power Drift = -0.31 dB

Peak SAR (extrapolated) = **Not Specified** mW/g

Fast SAR: SAR(1 g) = 1.37 mW/g; SAR(10 g) = 1.02 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.43 mW/g

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

dy=7.5mm, dz=5mm

Reference Value = 39.751 V/m; Power Drift = -0.39 dB

Peak SAR (extrapolated) = 1.771 mW/g

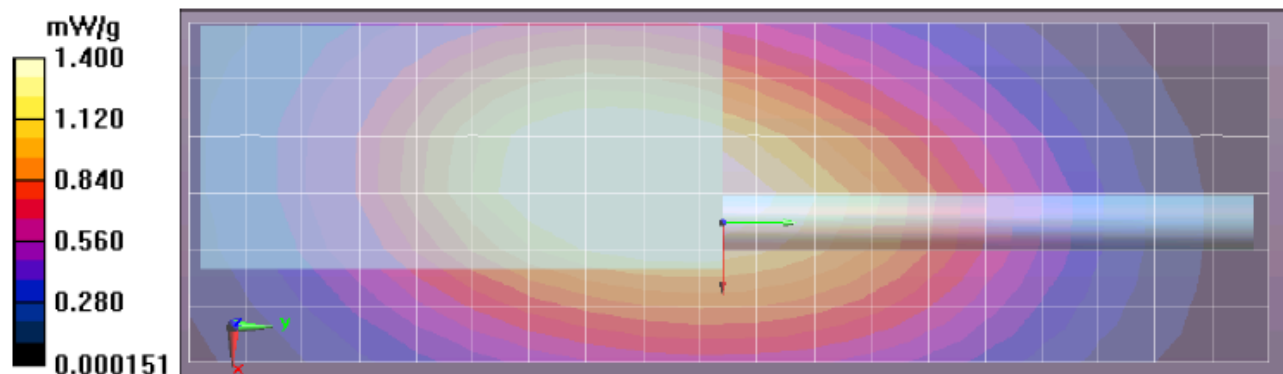
SAR(1 g) = 1.35 mW/g; SAR(10 g) = 1.01 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.42 mW/g

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

dz=10mm

Maximum value of SAR (measured) = 1.40 mW/g



APPENDIX H

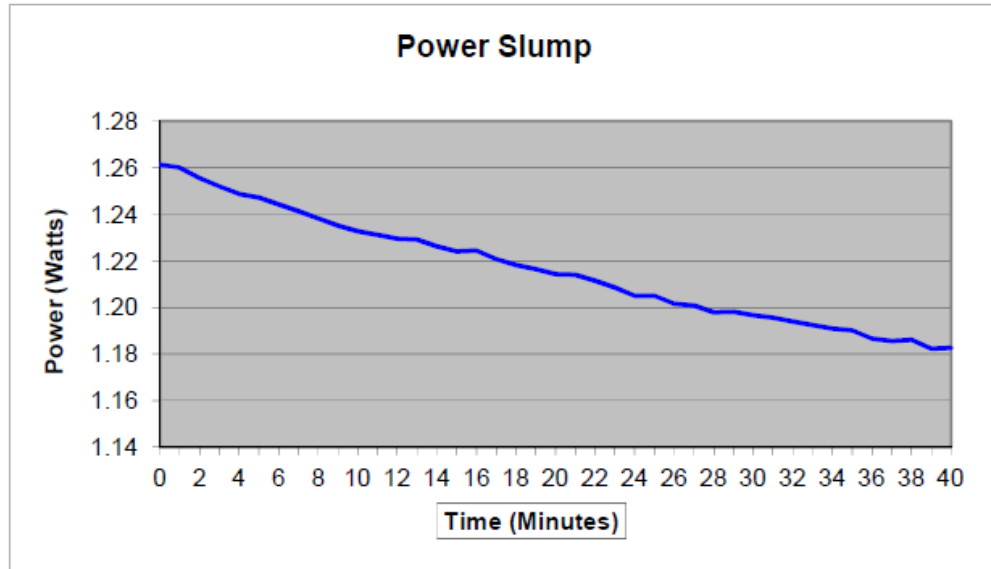
DUT Supplementary Data (Power slump)

Power Slump Model # : PMUE3750A
Serial # : 627TNP0132

Battery: NNTN8359A **Transmit Mode:** CW
Frequency: 430 MHz **Audio Accessory:** PMMN4067B
Date: 9/6/2012

Tx Time (Minutes)	Measure Power (Watts)
----------------------	--------------------------

0.0	1.26
1.0	1.26
2.0	1.26
3.0	1.25
4.0	1.25
5.0	1.25
6.0	1.24
7.0	1.24
8.0	1.24
9.0	1.24
10.0	1.23
11.0	1.23
12.0	1.23
13.0	1.23
14.0	1.23
15.0	1.22
16.0	1.22
17.0	1.22
18.0	1.22
19.0	1.22
20.0	1.21
21.0	1.21
22.0	1.21
23.0	1.21
24.0	1.21
25.0	1.20
26.0	1.20
27.0	1.20
28.0	1.20
29.0	1.20
30.0	1.20
31.0	1.20
32.0	1.19
33.0	1.19
34.0	1.19
35.0	1.19
36.0	1.19
37.0	1.19
38.0	1.19
39.0	1.18
40.0	1.18



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