


MOTOROLA


TESTING CERT # 2518.05

FCC ID: ABZ99FT5011

DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 3 of 3

Enterprise Mobility Solutions
 EME Test Laboratory
 Motorola Technology 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: 09/18/09
Report Revision: O
Report ID: SAR rpt_PMUF1413A_Rev O
 090918_SR7682

Responsible Engineer: Veeramani Veerapan (EME Engineer) & PeiLoo Tey (Penang EME Lead Engineer)
Report Author: PeiLoo Tey (Penang EME Lead Engineer)
Date/s Tested: 8/14/09~9/6/09
Manufacturer/Location: Penang
Sector/Group/Div.: GTDG
Date submitted for test: 7/29/09
DUT Description: 806-869MHz & 896-941MHz, 12.5k/25k, 1-2.5W, 32CH, PLAIN without GPS
 (Capable of analog FM transmission and digital TDMA transmission.)
Test TX mode(s): CW
Max. Power output: 3.0 Watts
Nominal Power: 2.5 Watts
Tx Frequency Bands: TMO: 806-824, DMO: 851-869 (800 band) & TMO: 896-902, DMO: 935-941 (900 band)
Signaling type: FM and TDMA 2:1
Model(s) Tested: PMUF1413A
Model(s) Certified: PMUF1413A
Serial Number(s): 777TKN0846
Classification: Occupational/Controlled
Rule Part(s): 90

DUT Photo
 (Refer to Exhibit 7B)

Max. Calc. : 1-g Avg. SAR: 4.56 W/kg (Body); 10-g Avg. SAR: 3.15 W/kg (Body)
Max. Calc. : 1-g Avg. SAR: 1.30 W/kg (Face); 10-g Avg. SAR: 0.93 W/kg (Face)

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 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 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.

Signature on file – Deanna Zakharia
 Deanna Zakharia
 EMS EME Lab Senior Resource Manager,
 Laboratory Director

Approval Date: 9/18/09

Certification Date: 9/18/09

Certification No.: L1090942

Appendix F

DUT Scans

Section 1.0
806 – 824MHz Body Assessment
Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 9/3/2009 8:22:13 PM

Robot # / Run #: DASY4-PG-1 / CcC-AB-090903-10
Phantom # / Tissue Temp: ELI4 1050 / 21.6 (C)
Model # / Serial#: PMUF1413A / 777TKN0846
Antenna / TX Freq: PMAF4003A / 815.500 MHz
Battery: PMNN4069A
Carry Acc. / Cable Acc.: RLN4570A / NONE
Start power: 2.90 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 2.34 mW/g (1g); 1.67 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

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

Reference Value = 53.0 V/m; Power Drift = -0.370 dB

Peak SAR (extrapolated) = 3.13 W/kg

SAR(1 g) = 2.34 mW/g; SAR(10 g) = 1.67 mW/g

Maximum value of SAR (measured) = 2.50 mW/g

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

Reference Value = 53.0 V/m; Power Drift = -0.274 dB

Motorola Fast SAR: SAR(1 g) = 2.43 mW/g; SAR(10 g) = 1.7 mW/g

Maximum value of SAR (interpolated) = 2.58 mW/g

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

Reference Value = 53.0 V/m; Power Drift = -0.305 dB

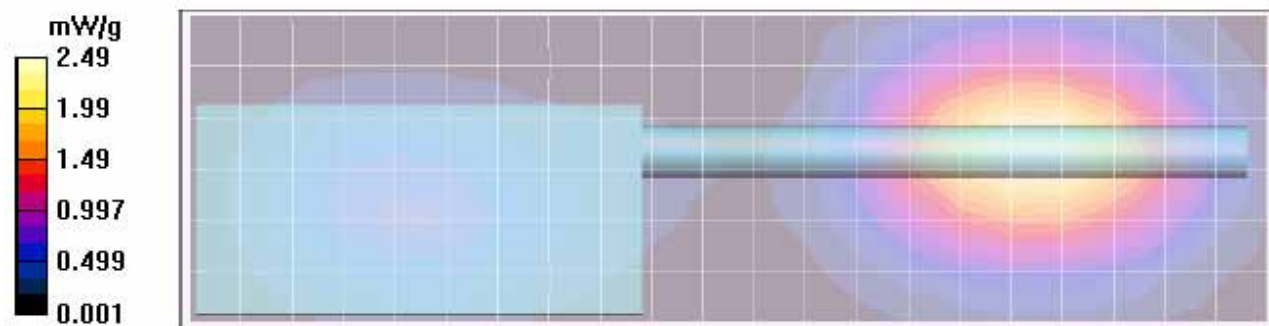
Peak SAR (extrapolated) = 2.53 W/kg

Motorola Fast SAR: SAR(1 g) = 2.4 mW/g; SAR(10 g) = 1.67 mW/g

Maximum value of SAR (interpolated) = 2.53 mW/g

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

Maximum value of SAR (measured) = 2.49 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/3/2009 8:56:39 PM

Robot # / Run #: DASY4-PG-1 / CcC-AB-090903-11
 Phantom # / Tissue Temp: ELI4 1050 / 21.4 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 815.500 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: RLN4570A / NONE
 Start power: 3.12 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 2.54 mW/g (1g); 1.81 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

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

Reference Value = 55.8 V/m; Power Drift = -0.474 dB

Peak SAR (extrapolated) = 3.38 W/kg

SAR(1 g) = 2.54 mW/g; SAR(10 g) = 1.81 mW/g

Maximum value of SAR (measured) = 2.70 mW/g

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

Reference Value = 55.8 V/m; Power Drift = -0.357 dB

Motorola Fast SAR: SAR(1 g) = 2.68 mW/g; SAR(10 g) = 1.87 mW/g

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

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

Reference Value = 55.8 V/m; Power Drift = -0.398 dB

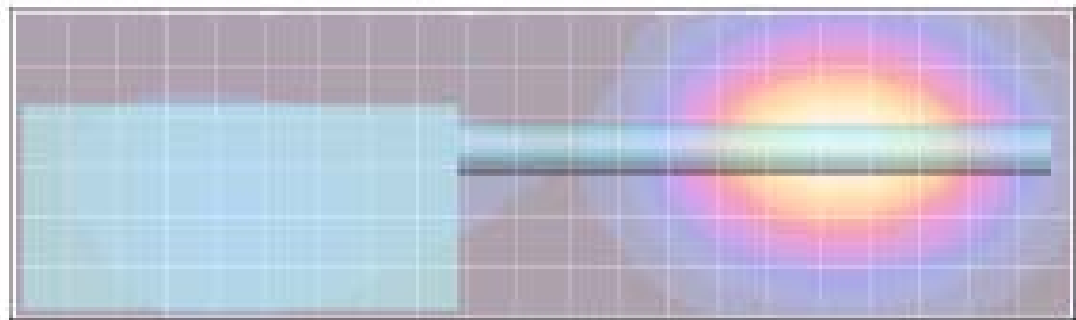
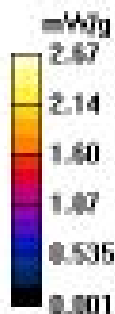
Peak SAR (extrapolated) = 2.73 W/kg

Motorola Fast SAR: SAR(1 g) = 2.59 mW/g; SAR(10 g) = 1.81 mW/g

Maximum value of SAR (interpolated) = 2.73 mW/g

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

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



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/4/2009 11:49:28 AM

Robot # / Run #: DASY4-PG-1 / PS-AB-090904-03
 Phantom # / Tissue Temp: ELI4 1050 / 21.3 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 815.500 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: RLN4570A / PMLN5097A
 Start power: 2.89 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 2.31 mW/g (1g); 1.65 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³

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

Reference Value = 52.5 V/m; Power Drift = -0.397 dB

Peak SAR (extrapolated) = 3.07 W/kg

SAR(1 g) = 2.31 mW/g; SAR(10 g) = 1.65 mW/g

Maximum value of SAR (measured) = 2.45 mW/g

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

Reference Value = 52.5 V/m; Power Drift = -0.303 dB

Motorola Fast SAR: SAR(1 g) = 2.38 mW/g; SAR(10 g) = 1.67 mW/g

Maximum value of SAR (interpolated) = 2.53 mW/g

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

Reference Value = 52.5 V/m; Power Drift = -0.336 dB

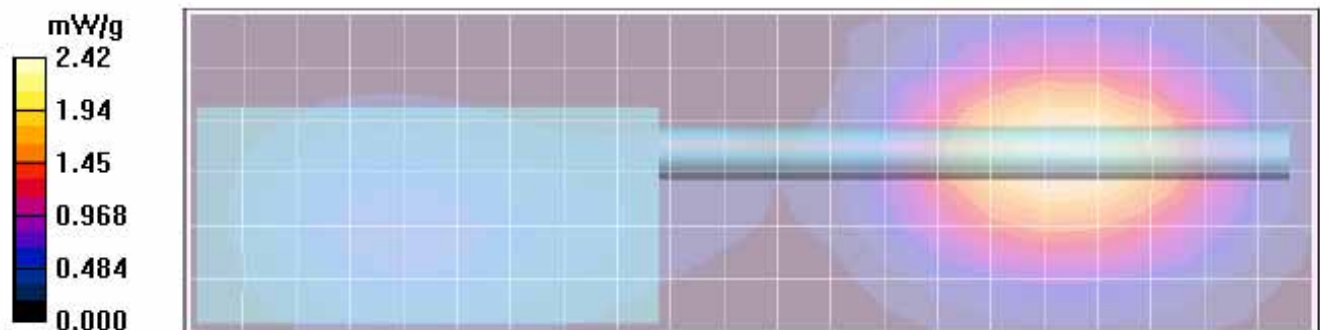
Peak SAR (extrapolated) = 2.48 W/kg

Motorola Fast SAR: SAR(1 g) = 2.35 mW/g; SAR(10 g) = 1.64 mW/g

Maximum value of SAR (interpolated) = 2.48 mW/g

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

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



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/4/2009 1:57:31 PM

Robot # / Run #: DASY4-PG-1 / PS-AB-090904-04
 Phantom # / Tissue Temp: ELI4 1050 / 21.6 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 815.500 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: RLN4570A / PMLN5097A
 Start power: 3.15 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 2.49 mW/g (1g); 1.78 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³

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

Reference Value = 55.6 V/m; Power Drift = -0.583 dB

Peak SAR (extrapolated) = 3.31 W/kg

SAR(1 g) = 2.49 mW/g; SAR(10 g) = 1.78 mW/g

Maximum value of SAR (measured) = 2.65 mW/g

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

Reference Value = 55.6 V/m; Power Drift = -0.449 dB

Motorola Fast SAR: SAR(1 g) = 2.62 mW/g; SAR(10 g) = 1.84 mW/g

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

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

Reference Value = 55.6 V/m; Power Drift = -0.494 dB

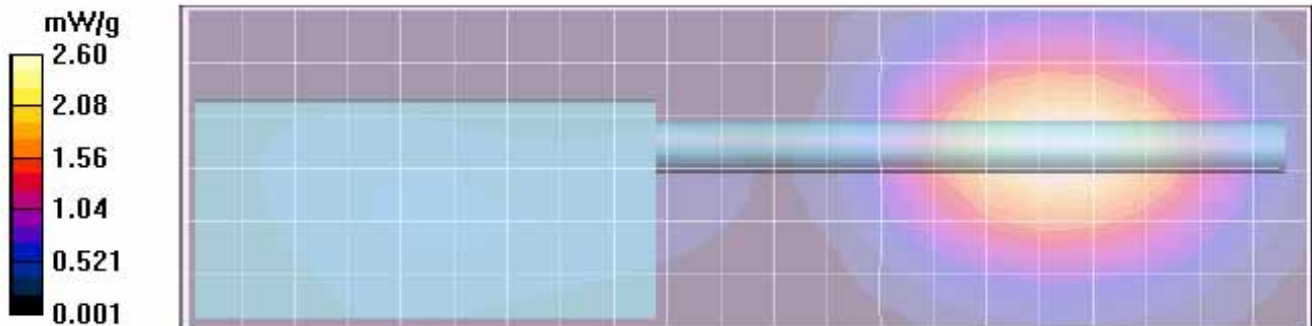
Peak SAR (extrapolated) = 2.68 W/kg

Motorola Fast SAR: SAR(1 g) = 2.54 mW/g; SAR(10 g) = 1.78 mW/g

Maximum value of SAR (interpolated) = 2.68 mW/g

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

Maximum value of SAR (measured) = 2.60 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/4/2009 2:36:49 PM

Robot # / Run #: DASY4-PG-1 / PS-AB-090904-05
 Phantom # / Tissue Temp: ELI4 1050 / 21.5 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 806.0125 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: RLN4570A / PMLN5097A
 Start power: 3.10 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 1.76 mW/g (1g); 1.27 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³

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

Reference Value = 46.5 V/m; Power Drift = -0.572 dB

Peak SAR (extrapolated) = 2.34 W/kg

SAR(1 g) = 1.76 mW/g; SAR(10 g) = 1.27 mW/g

Maximum value of SAR (measured) = 1.87 mW/g

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

Reference Value = 46.5 V/m; Power Drift = -0.414 dB

Motorola Fast SAR: SAR(1 g) = 1.86 mW/g; SAR(10 g) = 1.31 mW/g

Maximum value of SAR (interpolated) = 1.98 mW/g

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

Reference Value = 46.5 V/m; Power Drift = -0.463 dB

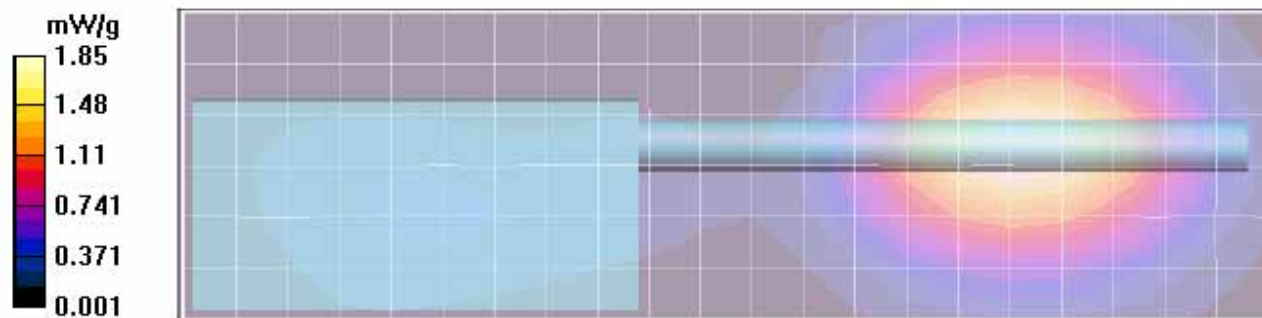
Peak SAR (extrapolated) = 1.91 W/kg

Motorola Fast SAR: SAR(1 g) = 1.82 mW/g; SAR(10 g) = 1.27 mW/g

Maximum value of SAR (interpolated) = 1.91 mW/g

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

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



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/4/2009 3:50:14 PM

Robot # / Run #: DASY4-PG-1 / PS-AB-090904-06
 Phantom # / Tissue Temp: ELI4 1050 / 21.2 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 824.000 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: RLN4570A / PMLN5097A
 Start power: 3.14 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 3.28 mW/g (1g); 2.34 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³

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

Reference Value = 63.6 V/m; Power Drift = -0.498 dB

Peak SAR (extrapolated) = 4.37 W/kg

SAR(1 g) = 3.28 mW/g; SAR(10 g) = 2.34 mW/g

Maximum value of SAR (measured) = 3.49 mW/g

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

Reference Value = 63.6 V/m; Power Drift = -0.371 dB

Motorola Fast SAR: SAR(1 g) = 3.42 mW/g; SAR(10 g) = 2.4 mW/g

Maximum value of SAR (interpolated) = 3.64 mW/g

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

Reference Value = 63.6 V/m; Power Drift = -0.409 dB

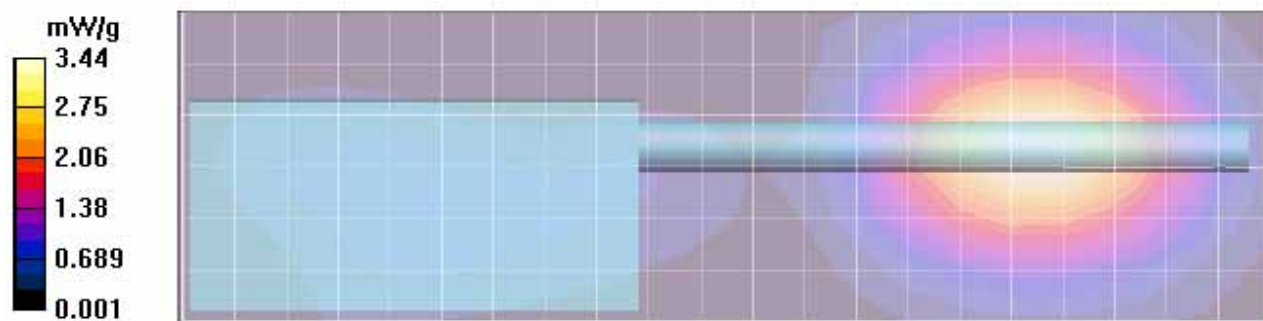
Peak SAR (extrapolated) = 3.54 W/kg

Motorola Fast SAR: SAR(1 g) = 3.35 mW/g; SAR(10 g) = 2.34 mW/g

Maximum value of SAR (interpolated) = 3.54 mW/g

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

Maximum value of SAR (measured) = 3.44 mW/g



Section 2.0

806 – 824MHz Body Assessment at 2.5cm

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/4/2009 4:27:42 PM

Robot # / Run #: DASY4-PG-1 / PS-AB-090904-07
 Phantom # / Tissue Temp: ELI4 1050 / 21.4 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 824.000 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: NONE / PMLN5097A
 Start power: 3.09 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 2.65 mW/g (1g); 1.89 mW/g (10g)

Comments: Full scan. Radio back at ant. 2.5cm.
 Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)
 Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³

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

Reference Value = 56.7 V/m; Power Drift = -0.424 dB

Peak SAR (extrapolated) = 3.52 W/kg

SAR(1 g) = 2.65 mW/g; SAR(10 g) = 1.89 mW/g

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

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

Reference Value = 56.7 V/m; Power Drift = -0.317 dB

Motorola Fast SAR: SAR(1 g) = 2.76 mW/g; SAR(10 g) = 1.93 mW/g

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

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

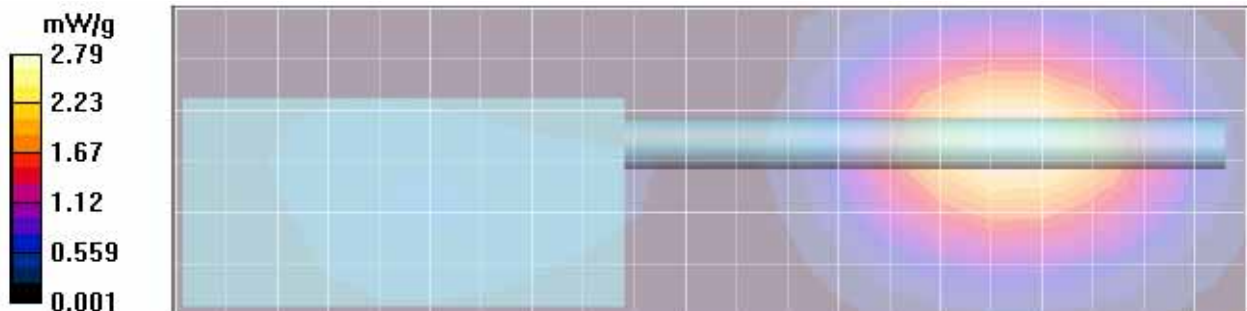
Reference Value = 56.7 V/m; Power Drift = -0.366 dB

Peak SAR (extrapolated) = 2.84 W/kg

Motorola Fast SAR: SAR(1 g) = 2.69 mW/g; SAR(10 g) = 1.88 mW/g

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

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



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/4/2009 5:43:21 PM

Robot # / Run #: DASY4-PG-1 / PS-AB-090904-09
 Phantom # / Tissue Temp: ELI4 1050 / 21.3 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 824.000 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: NONE / PMLN5097A
 Start power: 3.13 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 0.968 mW/g (1g); 0.712 mW/g (10g)

Comments: Full scan. Radio front at 2.5cm.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³

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

Reference Value = 35.1 V/m; Power Drift = -0.641 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.968 mW/g; SAR(10 g) = 0.712 mW/g

Maximum value of SAR (measured) = 1.02 mW/g

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

Reference Value = 35.1 V/m; Power Drift = -0.492 dB

Motorola Fast SAR: SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.738 mW/g

Maximum value of SAR (interpolated) = 1.10 mW/g

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

Reference Value = 35.1 V/m; Power Drift = -0.538 dB

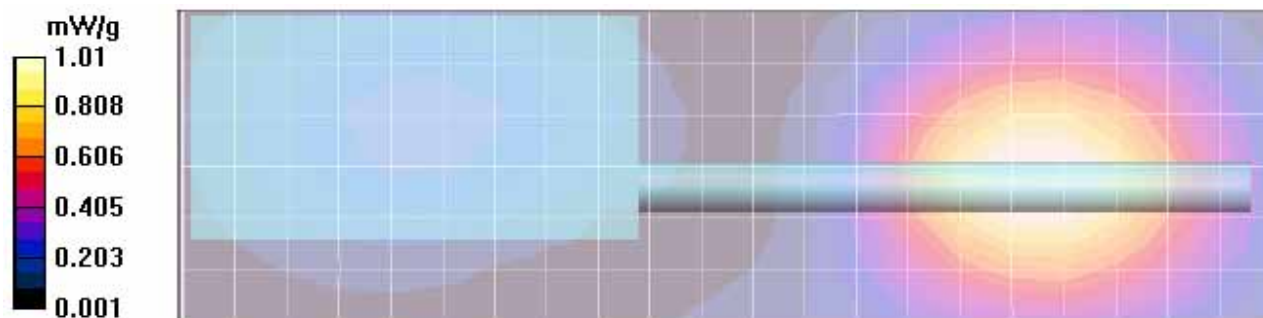
Peak SAR (extrapolated) = 1.05 W/kg

Motorola Fast SAR: SAR(1 g) = 0.991 mW/g; SAR(10 g) = 0.703 mW/g

Maximum value of SAR (interpolated) = 1.05 mW/g

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

Maximum value of SAR (measured) = 1.01 mW/g



Section 3.0

806 – 824MHz Face Assessment

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/21/2009 4:53:34 PM

Robot # / Run #: DASY4-PG-1 / PS-FACE-090821-12
 Phantom # / Tissue Temp: ELI4 1037 / 20.5 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 815.500 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: NONE / NONE
 Start power: 2.92 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 0.882 mW/g (1g); 0.642 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 42.1$; $\rho = 1000$ kg/m³

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

Reference Value = 34.0 V/m; Power Drift = -0.526 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.876 mW/g; SAR(10 g) = 0.639 mW/g

Maximum value of SAR (measured) = 0.928 mW/g

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

Reference Value = 34.0 V/m; Power Drift = -0.400 dB

Motorola Fast SAR: SAR(1 g) = 0.921 mW/g; SAR(10 g) = 0.658 mW/g

Maximum value of SAR (interpolated) = 0.974 mW/g

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

Reference Value = 34.0 V/m; Power Drift = -0.429 dB

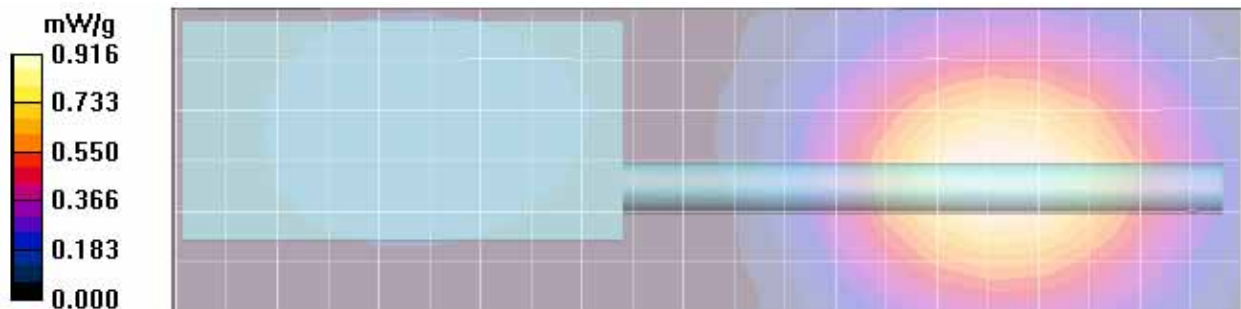
Peak SAR (extrapolated) = 0.934 W/kg

Motorola Fast SAR: SAR(1 g) = 0.890 mW/g; SAR(10 g) = 0.636 mW/g

Maximum value of SAR (interpolated) = 0.934 mW/g

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

Maximum value of SAR (measured) = 0.916 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/21/2009 4:17:33 PM

Robot # / Run #: DASY4-PG-1 / PS-FACE-090821-11
 Phantom # / Tissue Temp: ELI4 1037 / 20.4 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 815.500 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: NONE / NONE
 Start power: 3.14 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 0.943 mW/g (1g); 0.688 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 42.1$; $\rho = 1000$ kg/m³

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

Reference Value = 35.6 V/m; Power Drift = -0.621 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.937 mW/g; SAR(10 g) = 0.684 mW/g

Maximum value of SAR (measured) = 0.991 mW/g

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

Reference Value = 35.6 V/m; Power Drift = -0.486 dB

Motorola Fast SAR: SAR(1 g) = 1 mW/g; SAR(10 g) = 0.717 mW/g

Maximum value of SAR (interpolated) = 1.06 mW/g

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

Reference Value = 35.6 V/m; Power Drift = -0.535 dB

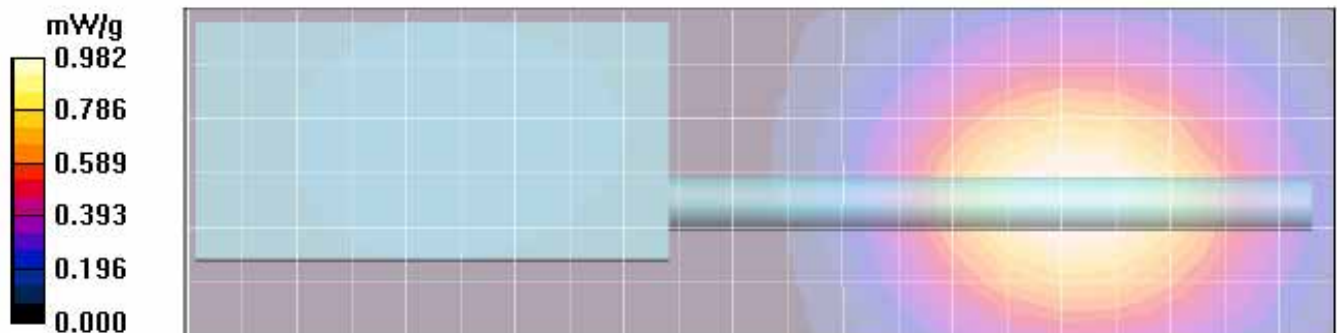
Peak SAR (extrapolated) = 1.01 W/kg

Motorola Fast SAR: SAR(1 g) = 0.957 mW/g; SAR(10 g) = 0.682 mW/g

Maximum value of SAR (interpolated) = 1.01 mW/g

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

Maximum value of SAR (measured) = 0.982 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/3/2009 1:53:22 PM

Robot # / Run #: DASY4-PG-1 / CcC-FACE-090903-03
 Phantom # / Tissue Temp: ELI4 1037 / 20.8 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 815.500 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: NONE / RLN5878A
 Start power: 2.92 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 0.799 mW/g (1g); 0.583 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 41.7$; $\rho = 1000$ kg/m³

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

Reference Value = 33.3 V/m; Power Drift = -0.736 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.798 mW/g; SAR(10 g) = 0.582 mW/g

Maximum value of SAR (measured) = 0.845 mW/g

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

Reference Value = 33.3 V/m; Power Drift = -0.573 dB

Motorola Fast SAR: SAR(1 g) = 0.862 mW/g; SAR(10 g) = 0.615 mW/g

Maximum value of SAR (interpolated) = 0.910 mW/g

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

Reference Value = 33.3 V/m; Power Drift = -0.633 dB

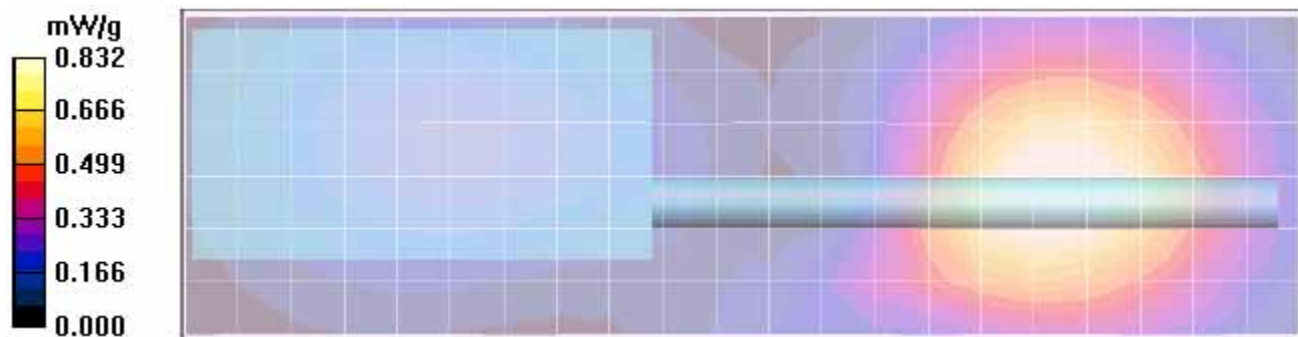
Peak SAR (extrapolated) = 0.858 W/kg

Motorola Fast SAR: SAR(1 g) = 0.814 mW/g; SAR(10 g) = 0.582 mW/g

Maximum value of SAR (interpolated) = 0.858 mW/g

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

Maximum value of SAR (measured) = 0.832 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/21/2009 5:30:43 PM

Robot # / Run #: DASY4-PG-1 / PS-FACE-090821-13
 Phantom # / Tissue Temp: ELI4 1037 / 20.8 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 815.500 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: NONE / RLN5878A
 Start power: 3.14 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 0.954 mW/g (1g); 0.694 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 42.1$; $\rho = 1000$ kg/m³

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

Reference Value = 35.7 V/m; Power Drift = -0.578 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.948 mW/g; SAR(10 g) = 0.690 mW/g

Maximum value of SAR (measured) = 1.00 mW/g

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

Reference Value = 35.7 V/m; Power Drift = -0.441 dB

Motorola Fast SAR: SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.721 mW/g

Maximum value of SAR (interpolated) = 1.07 mW/g

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

Reference Value = 35.7 V/m; Power Drift = -0.496 dB

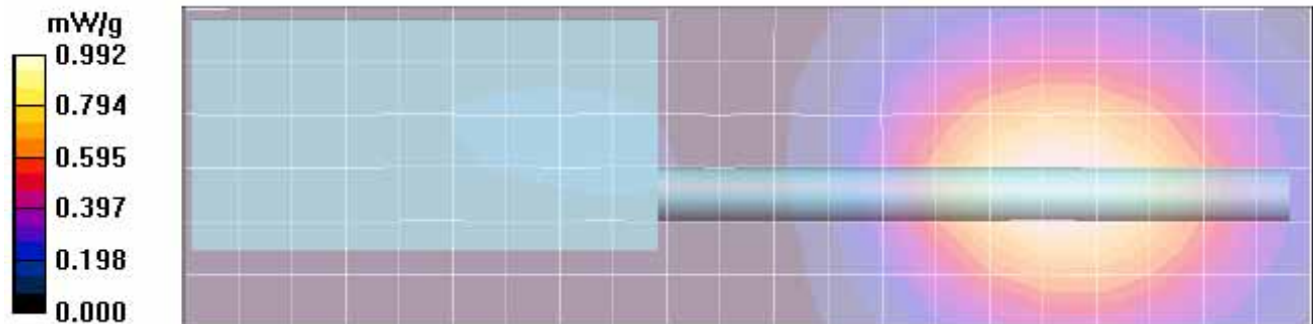
Peak SAR (extrapolated) = 1.02 W/kg

Motorola Fast SAR: SAR(1 g) = 0.969 mW/g; SAR(10 g) = 0.689 mW/g

Maximum value of SAR (interpolated) = 1.02 mW/g

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

Maximum value of SAR (measured) = 0.992 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/21/2009 6:07:21 PM

Robot # / Run #: DASY4-PG-1 / PS-FACE-090821-14
 Phantom # / Tissue Temp: ELI4 1037 / 20.5 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 806.0125 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: NONE / RLN5878A
 Start power: 3.14 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 0.711 mW/g (1g); 0.518 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 42.1$; $\rho = 1000$ kg/m³

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

Reference Value = 31.1 V/m; Power Drift = -0.679 dB

Peak SAR (extrapolated) = 0.922 W/kg

SAR(1 g) = 0.706 mW/g; SAR(10 g) = 0.515 mW/g

Maximum value of SAR (measured) = 0.746 mW/g

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

Reference Value = 31.1 V/m; Power Drift = -0.492 dB

Motorola Fast SAR: SAR(1 g) = 0.754 mW/g; SAR(10 g) = 0.539 mW/g

Maximum value of SAR (interpolated) = 0.797 mW/g

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

Reference Value = 31.1 V/m; Power Drift = -0.559 dB

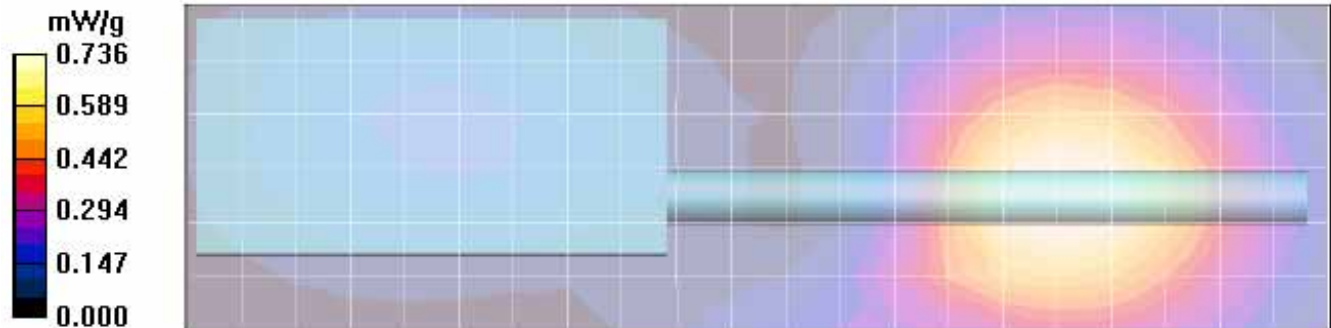
Peak SAR (extrapolated) = 0.763 W/kg

Motorola Fast SAR: SAR(1 g) = 0.722 mW/g; SAR(10 g) = 0.515 mW/g

Maximum value of SAR (interpolated) = 0.763 mW/g

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

Maximum value of SAR (measured) = 0.736 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/3/2009 5:23:35 PM

Robot # / Run #: DASY4-PG-1 / CcC-FACE-090903-06
 Phantom # / Tissue Temp: ELI4 1037 / 20.9 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 824.000 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: NONE / RLN5878A
 Start power: 3.13 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 1.081 mW/g (1g); 0.783 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 41.7$; $\rho = 1000$ kg/m³

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

Reference Value = 38.5 V/m; Power Drift = -0.751 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.782 mW/g

Maximum value of SAR (measured) = 1.14 mW/g

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

Reference Value = 38.5 V/m; Power Drift = -0.605 dB

Motorola Fast SAR: SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.815 mW/g

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

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

Reference Value = 38.5 V/m; Power Drift = -0.652 dB

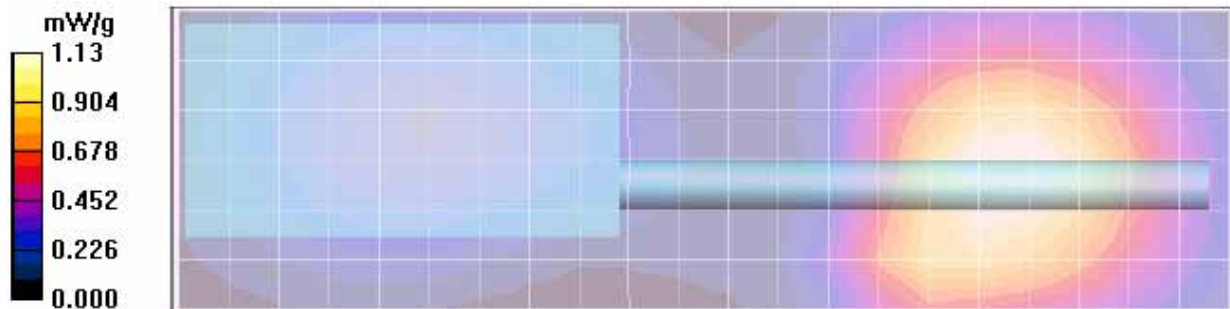
Peak SAR (extrapolated) = 1.15 W/kg

Motorola Fast SAR: SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.784 mW/g

Maximum value of SAR (interpolated) = 1.15 mW/g

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

Maximum value of SAR (measured) = 1.13 mW/g



Section 4.0

851 – 869MHz Body Assessment

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/14/2009 10:28:28 AM

Robot # / Run #: DASY4-PG-1 / PS-AB-090814-06
 Phantom # / Tissue Temp: ELI4 1050 / 21.0 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 860.500 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: RLN4570A / NONE
 Start power: 2.91 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 5.05 mW/g (1g); 3.58 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 860.5$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

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

Reference Value = 69.8 V/m; Power Drift = -0.698 dB

Peak SAR (extrapolated) = 6.71 W/kg

SAR(1 g) = 5.05 mW/g; SAR(10 g) = 3.58 mW/g

Maximum value of SAR (measured) = 5.39 mW/g

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

Reference Value = 69.8 V/m; Power Drift = -0.513 dB

Motorola Fast SAR: SAR(1 g) = 5.39 mW/g; SAR(10 g) = 3.74 mW/g

Maximum value of SAR (interpolated) = 5.75 mW/g

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

Reference Value = 69.8 V/m; Power Drift = -0.566 dB

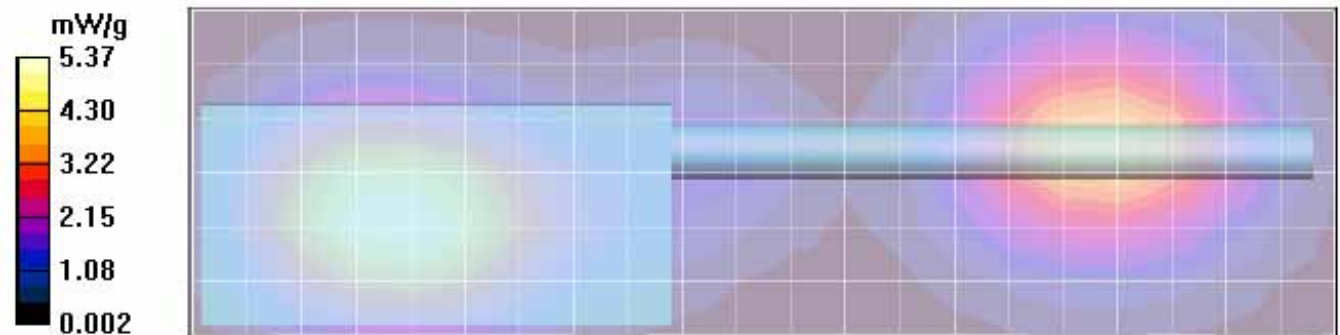
Peak SAR (extrapolated) = 5.44 W/kg

Motorola Fast SAR: SAR(1 g) = 5.15 mW/g; SAR(10 g) = 3.56 mW/g

Maximum value of SAR (interpolated) = 5.44 mW/g

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

Maximum value of SAR (measured) = 5.37 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/4/2009 11:04:19 AM

Robot # / Run #: DASY4-PG-1 / PS-AB-090904-02
 Phantom # / Tissue Temp: ELI4 1050 / 21.5 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 860.500 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: RLN4570A / NONE
 Start power: 3.09 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 4.62 mW/g (1g); 3.26 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 860.5$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

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

Reference Value = 76.6 V/m; Power Drift = -0.828 dB

Peak SAR (extrapolated) = 6.23 W/kg

SAR(1 g) = 4.62 mW/g; SAR(10 g) = 3.26 mW/g

Maximum value of SAR (measured) = 4.92 mW/g

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

Reference Value = 76.6 V/m; Power Drift = -0.628 dB

Motorola Fast SAR: SAR(1 g) = 4.99 mW/g; SAR(10 g) = 3.48 mW/g

Maximum value of SAR (interpolated) = 5.32 mW/g

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

Reference Value = 76.6 V/m; Power Drift = -0.700 dB

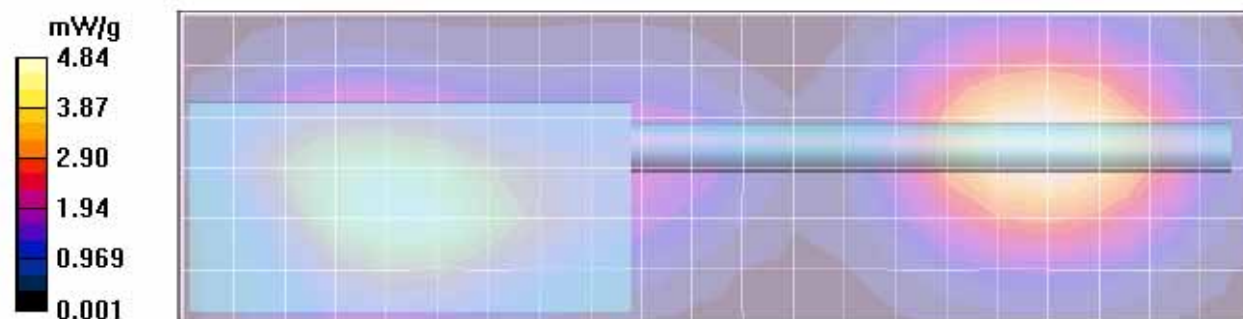
Peak SAR (extrapolated) = 5.04 W/kg

Motorola Fast SAR: SAR(1 g) = 4.76 mW/g; SAR(10 g) = 3.3 mW/g

Maximum value of SAR (interpolated) = 5.04 mW/g

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

Maximum value of SAR (measured) = 4.84 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/14/2009 4:35:54 PM

Robot # / Run #: DASY4-PG-1 / CcC-AB-090814-13
 Phantom # / Tissue Temp: ELI4 1050 / 21.3 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 860.500 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: RLN4570A / PMLN5097A
 Start power: 2.94 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 4.76 mW/g (1g); 3.38 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 860.5$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

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

Reference Value = 70.6 V/m; Power Drift = -0.740 dB

Peak SAR (extrapolated) = 6.33 W/kg

SAR(1 g) = 4.76 mW/g; SAR(10 g) = 3.38 mW/g

Maximum value of SAR (measured) = 5.08 mW/g

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

Reference Value = 70.6 V/m; Power Drift = -0.556 dB

Motorola Fast SAR: SAR(1 g) = 5.19 mW/g; SAR(10 g) = 3.58 mW/g

Maximum value of SAR (interpolated) = 5.53 mW/g

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

Reference Value = 70.6 V/m; Power Drift = -0.618 dB

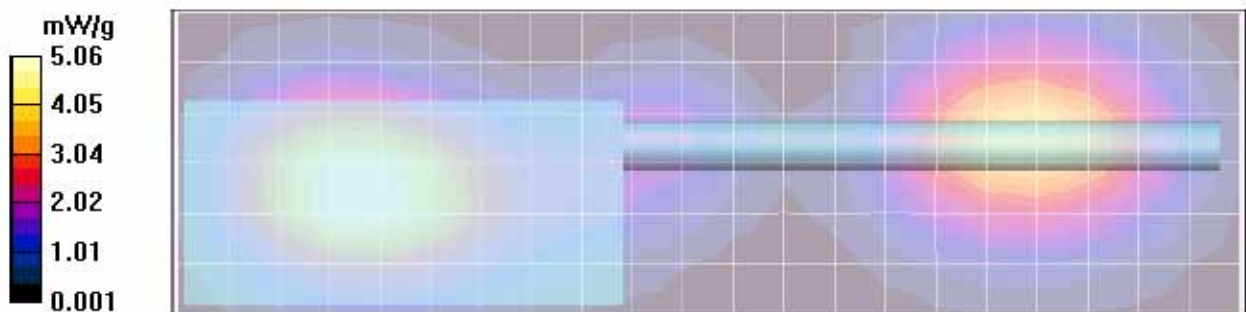
Peak SAR (extrapolated) = 5.23 W/kg

Motorola Fast SAR: SAR(1 g) = 4.94 mW/g; SAR(10 g) = 3.42 mW/g

Maximum value of SAR (interpolated) = 5.23 mW/g

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

Maximum value of SAR (measured) = 5.06 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/5/2009 7:18:49 AM

Robot # / Run #: DASY4-PG-1 / PS-AB-090905-02
 Phantom # / Tissue Temp: ELI4 1050 / 21.4 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 860.500 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: RLN4570A / PMLN5097A
 Start power: 3.11 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 4.10 mW/g (1g); 2.91 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 860.5$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

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

Reference Value = 72.8 V/m; Power Drift = -0.916 dB

Peak SAR (extrapolated) = 5.51 W/kg

SAR(1 g) = 4.1 mW/g; SAR(10 g) = 2.91 mW/g

Maximum value of SAR (measured) = 4.37 mW/g

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

Reference Value = 72.8 V/m; Power Drift = -0.686 dB

Motorola Fast SAR: SAR(1 g) = 4.48 mW/g; SAR(10 g) = 3.12 mW/g

Maximum value of SAR (interpolated) = 4.76 mW/g

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

Reference Value = 72.8 V/m; Power Drift = -0.782 dB

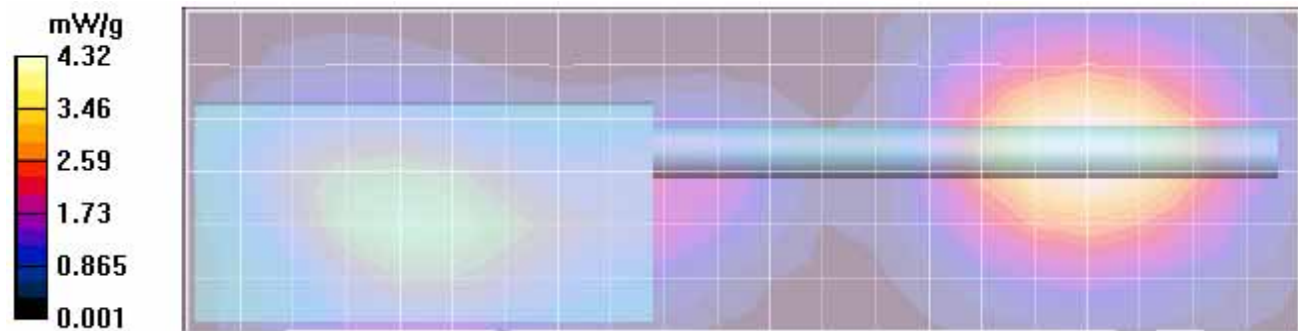
Peak SAR (extrapolated) = 4.48 W/kg

Motorola Fast SAR: SAR(1 g) = 4.24 mW/g; SAR(10 g) = 2.94 mW/g

Maximum value of SAR (interpolated) = 4.48 mW/g

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

Maximum value of SAR (measured) = 4.32 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/5/2009 7:56:57 AM

Robot # / Run #: DASY4-PG-1 / PS-AB-090905-03
 Phantom # / Tissue Temp: ELI4 1050 / 21.5 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 851.0125 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: RLN4570A / NONE
 Start power: 2.84 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 4.62 mW/g (1g); 3.29 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 860.5$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

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

Reference Value = 70.7 V/m; Power Drift = -0.687 dB

Peak SAR (extrapolated) = 6.13 W/kg

SAR(1 g) = 4.62 mW/g; SAR(10 g) = 3.29 mW/g

Maximum value of SAR (measured) = 4.91 mW/g

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

Reference Value = 70.7 V/m; Power Drift = -0.533 dB

Motorola Fast SAR: SAR(1 g) = 4.87 mW/g; SAR(10 g) = 3.39 mW/g

Maximum value of SAR (interpolated) = 5.17 mW/g

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

Reference Value = 70.7 V/m; Power Drift = -0.581 dB

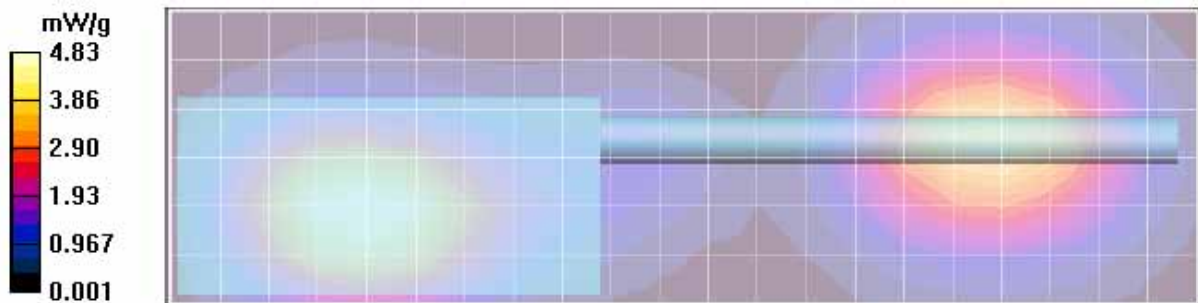
Peak SAR (extrapolated) = 4.96 W/kg

Motorola Fast SAR: SAR(1 g) = 4.7 mW/g; SAR(10 g) = 3.25 mW/g

Maximum value of SAR (interpolated) = 4.96 mW/g

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

Maximum value of SAR (measured) = 4.83 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/5/2009 8:32:34 AM

Robot # / Run #: DASY4-PG-1 / PS-AB-090905-04
 Phantom # / Tissue Temp: ELI4 1050 / 21.3 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 869.000 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: RLN4570A / NONE
 Start power: 2.80 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 5.61 mW/g (1g); 3.98 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 860.5$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

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

Reference Value = 66.6 V/m; Power Drift = -0.687 dB

Peak SAR (extrapolated) = 7.44 W/kg

SAR(1 g) = 5.61 mW/g; SAR(10 g) = 3.98 mW/g

Maximum value of SAR (measured) = 5.95 mW/g

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

Reference Value = 66.6 V/m; Power Drift = -0.558 dB

Motorola Fast SAR: SAR(1 g) = 6.2 mW/g; SAR(10 g) = 4.29 mW/g

Maximum value of SAR (interpolated) = 6.58 mW/g

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

Reference Value = 66.6 V/m; Power Drift = -0.607 dB

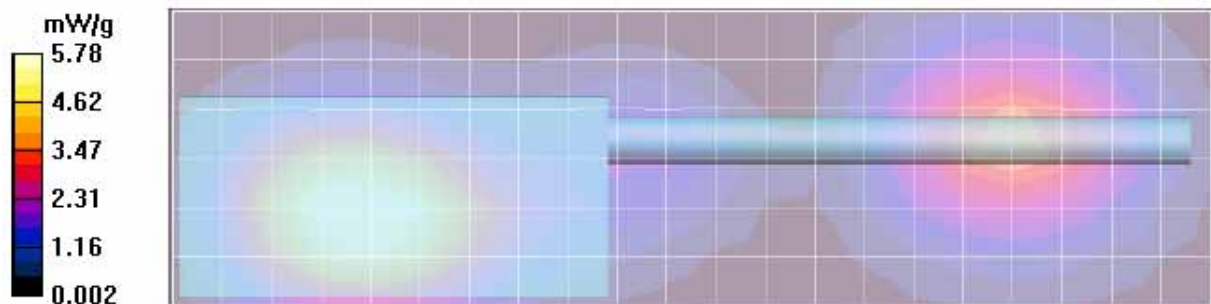
Peak SAR (extrapolated) = 6.18 W/kg

Motorola Fast SAR: SAR(1 g) = 5.85 mW/g; SAR(10 g) = 4.02 mW/g

Maximum value of SAR (interpolated) = 6.18 mW/g

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

Maximum value of SAR (measured) = 5.78 mW/g



Section 5.0
851 – 869MHz Body Assessment at 2.5cm
Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 9/5/2009 9:09:26 AM

Robot # / Run #: DASY4-PG-1 / PS-AB-090905-05
 Phantom # / Tissue Temp: ELI4 1050 / 21.5 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 869.000 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: RLN4570A / PMLN5097A
 Start power: 2.83 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 2.76 mW/g (1g); 1.94 mW/g (10g)

Comments: Full scan. Radio back at ant. 2.5cm.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 860.5$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

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

Reference Value = 57.7 V/m; Power Drift = -0.612 dB

Peak SAR (extrapolated) = 3.72 W/kg

SAR(1 g) = 2.76 mW/g; SAR(10 g) = 1.94 mW/g

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

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

Reference Value = 57.7 V/m; Power Drift = -0.431 dB

Motorola Fast SAR: SAR(1 g) = 2.88 mW/g; SAR(10 g) = 2 mW/g

Maximum value of SAR (interpolated) = 3.06 mW/g

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

Reference Value = 57.7 V/m; Power Drift = -0.509 dB

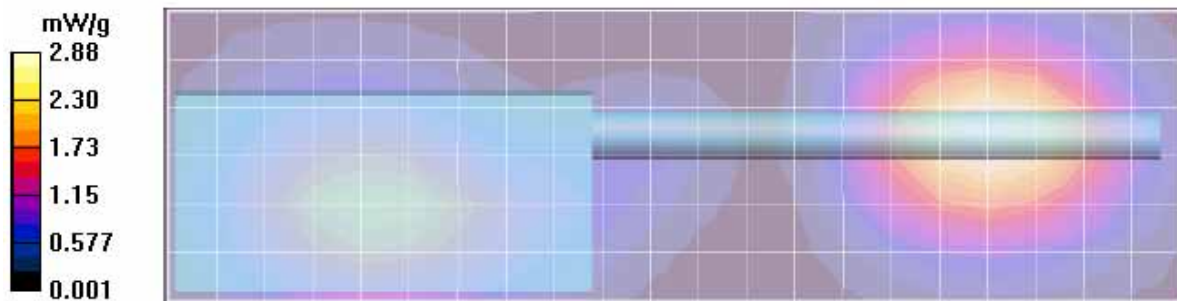
Peak SAR (extrapolated) = 2.99 W/kg

Motorola Fast SAR: SAR(1 g) = 2.83 mW/g; SAR(10 g) = 1.96 mW/g

Maximum value of SAR (interpolated) = 2.99 mW/g

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

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



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/5/2009 9:45:41 AM

Robot # / Run #: DASY4-PG-1 / PS-AB-090905-06
 Phantom # / Tissue Temp: ELI4 1050 / 21.4 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 869.000 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: RLN4570A / PMLN5097A
 Start power: 2.80 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 0.865 mW/g (1g); 0.637 mW/g (10g)

Comments: Full scan. Radio back at 2.5cm.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 860.5$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

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

Reference Value = 29.3 V/m; Power Drift = -0.545 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.865 mW/g; SAR(10 g) = 0.637 mW/g

Maximum value of SAR (measured) = 0.909 mW/g

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

Reference Value = 29.3 V/m; Power Drift = -0.402 dB

Motorola Fast SAR: SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.730 mW/g

Maximum value of SAR (interpolated) = 1.08 mW/g

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

Reference Value = 29.3 V/m; Power Drift = -0.651 dB

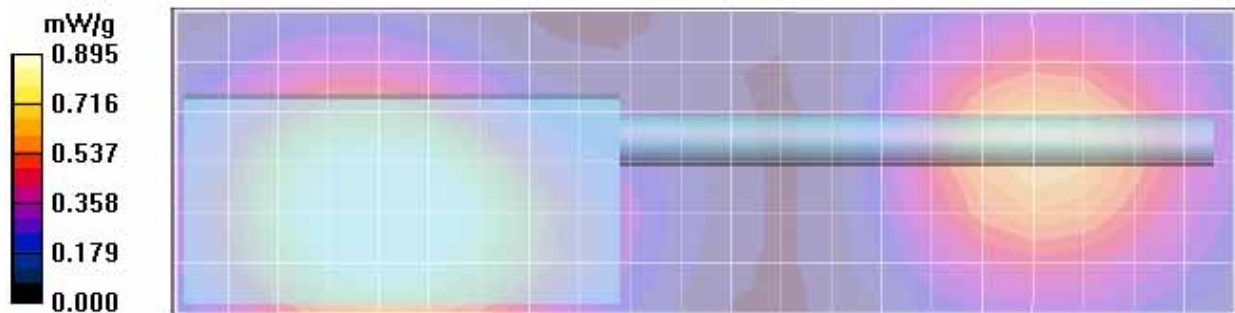
Peak SAR (extrapolated) = 0.931 W/kg

Motorola Fast SAR: SAR(1 g) = 0.883 mW/g; SAR(10 g) = 0.626 mW/g

Maximum value of SAR (interpolated) = 0.931 mW/g

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

Maximum value of SAR (measured) = 0.895 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/5/2009 10:24:27 AM

Robot # / Run #: DASY4-PG-1 / PS-AB-090905-07
 Phantom # / Tissue Temp: ELI4 1050 / 21.3 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 869.000 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: RLN4570A / PMLN5097A
 Start power: 2.85 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 1.05 mW/g (1g); 0.76 mW/g (10g)

Comments: Full scan. Radio front at 2.5cm.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 860.5$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

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

Reference Value = 36.2 V/m; Power Drift = -0.802 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.760 mW/g

Maximum value of SAR (measured) = 1.10 mW/g

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

Reference Value = 36.2 V/m; Power Drift = -0.553 dB

Motorola Fast SAR: SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.819 mW/g

Maximum value of SAR (interpolated) = 1.23 mW/g

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

Reference Value = 36.2 V/m; Power Drift = -0.649 dB

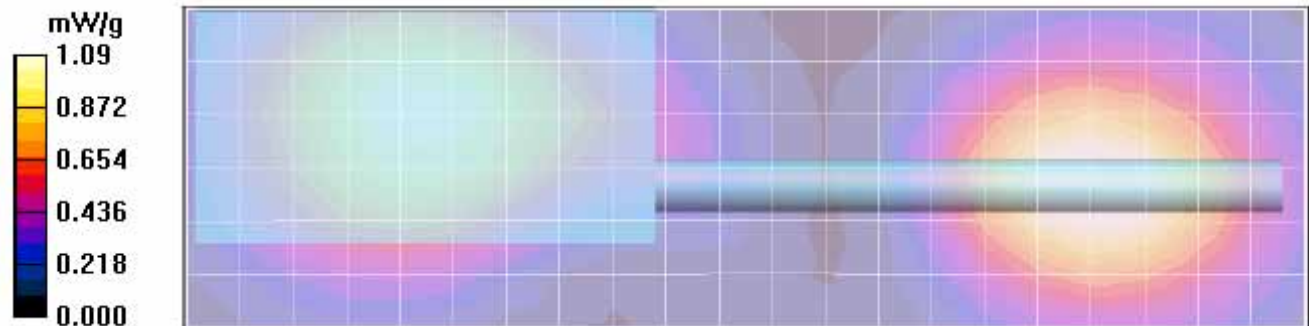
Peak SAR (extrapolated) = 1.13 W/kg

Motorola Fast SAR: SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.762 mW/g

Maximum value of SAR (interpolated) = 1.13 mW/g

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

Maximum value of SAR (measured) = 1.09 mW/g



Section 6.0

851 – 869MHz Face Assessment

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/21/2009 7:59:24 PM

Robot # / Run #: DASY4-PG-1 / PS-FACE-090821-17
 Phantom # / Tissue Temp: ELI4 1037 / 21.0 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 860.500 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: NONE / NONE
 Start power: 2.93 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 1.272 mW/g (1g); 0.913 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 860.5$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 41.6$; $\rho = 1000$ kg/m³

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

Reference Value = 41.5 V/m; Power Drift = -0.878 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.912 mW/g

Maximum value of SAR (measured) = 1.34 mW/g

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

Reference Value = 41.5 V/m; Power Drift = -0.674 dB

Motorola Fast SAR: SAR(1 g) = 1.39 mW/g; SAR(10 g) = 0.988 mW/g

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

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

Reference Value = 41.5 V/m; Power Drift = -0.767 dB

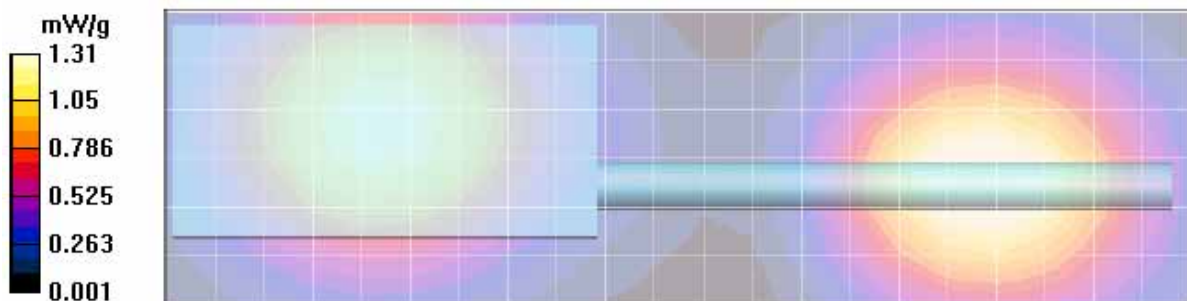
Peak SAR (extrapolated) = 1.36 W/kg

Motorola Fast SAR: SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.915 mW/g

Maximum value of SAR (interpolated) = 1.36 mW/g

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

Maximum value of SAR (measured) = 1.31 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/21/2009 7:24:19 PM

Robot # / Run #: DASY4-PG-1 / PS-FACE-090821-16
 Phantom # / Tissue Temp: ELI4 1037 / 21.0 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 860.500 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: NONE / NONE
 Start power: 3.14 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 1.522 mW/g (1g); 1.101 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 860.5$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 41.6$; $\rho = 1000$ kg/m³

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

Reference Value = 45.8 V/m; Power Drift = -0.900 dB

Peak SAR (extrapolated) = 2.02 W/kg

SAR(1 g) = 1.52 mW/g; SAR(10 g) = 1.1 mW/g

Maximum value of SAR (measured) = 1.62 mW/g

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

Reference Value = 45.8 V/m; Power Drift = -0.684 dB

Motorola Fast SAR: SAR(1 g) = 1.7 mW/g; SAR(10 g) = 1.2 mW/g

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

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

Reference Value = 45.8 V/m; Power Drift = -0.766 dB

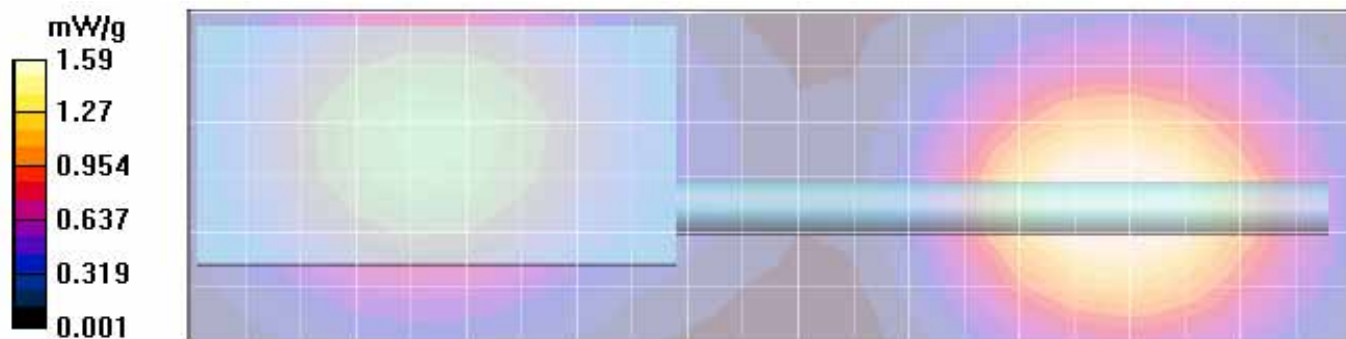
Peak SAR (extrapolated) = 1.66 W/kg

Motorola Fast SAR: SAR(1 g) = 1.57 mW/g; SAR(10 g) = 1.11 mW/g

Maximum value of SAR (interpolated) = 1.66 mW/g

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

Maximum value of SAR (measured) = 1.59 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/3/2009 4:41:56 PM

Robot # / Run #: DASY4-PG-1 / CcC-FACE-090903-05
 Phantom # / Tissue Temp: ELI4 1037 / 21.4 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 860.500 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: NONE / RLN5878A
 Start power: 2.86 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 1.45 mW/g (1g); 1.06 mW/g (10g)

Comments: Full Scan with Volume 2D and Zoom Extents=45mm; Offsets=-22.5mm

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 860.5$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 41.2$; $\rho = 1000$ kg/m³

Face Scan/5x5x7 Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 37.2 V/m; Power Drift = -0.847 dB

Peak SAR (extrapolated) = 1.90 W/kg

SAR(1 g) = 1.45 mW/g; SAR(10 g) = 1.06 mW/g

Maximum value of SAR (measured) = 1.52 mW/g

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

Reference Value = 37.2 V/m; Power Drift = -0.564 dB

Motorola Fast SAR: SAR(1 g) = 1.49 mW/g; SAR(10 g) = 1.07 mW/g

Maximum value of SAR (interpolated) = 1.58 mW/g

Face Scan/Volume Scan 2D (61x61x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 37.2 V/m; Power Drift = -0.645 dB

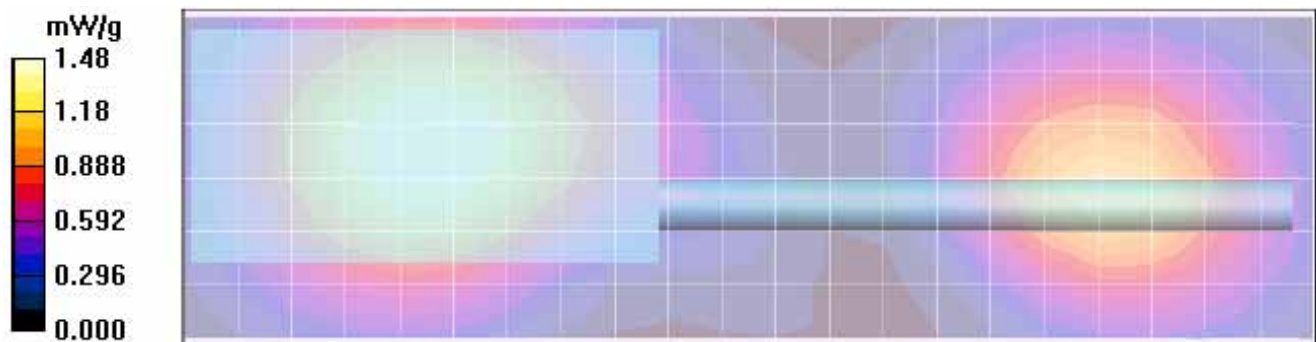
Peak SAR (extrapolated) = 1.56 W/kg

Motorola Fast SAR: SAR(1 g) = 1.48 mW/g; SAR(10 g) = 1.06 mW/g

Maximum value of SAR (interpolated) = 1.56 mW/g

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

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



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/21/2009 8:34:24 PM

Robot # / Run #: DASY4-PG-1 / PS-FACE-090821-18
 Phantom # / Tissue Temp: ELI4 1037 / 20.9 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 860.500 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: NONE / RLN5878A
 Start power: 3.14 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 1.122 mW/g (1g); 0.817 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 860.5$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 41.6$; $\rho = 1000$ kg/m³

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

Reference Value = 35.3 V/m; Power Drift = -0.781 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.816 mW/g

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

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

Reference Value = 35.3 V/m; Power Drift = -0.607 dB

Motorola Fast SAR: SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.854 mW/g

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

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

Reference Value = 35.3 V/m; Power Drift = -0.675 dB

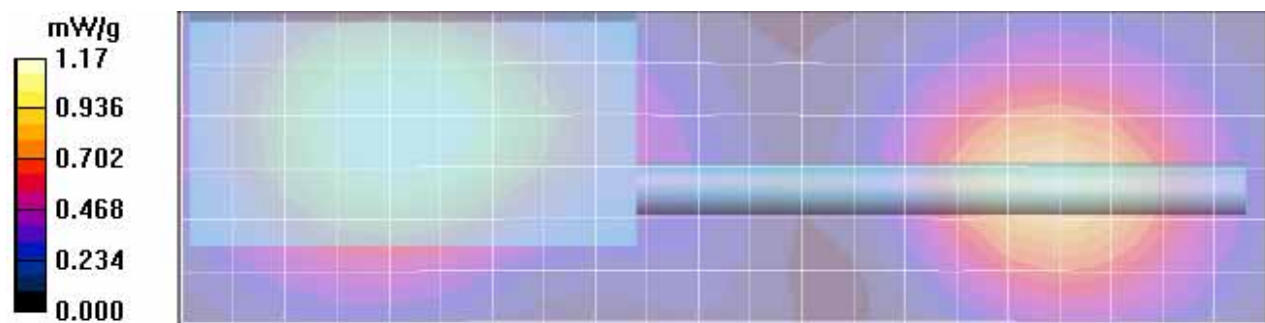
Peak SAR (extrapolated) = 1.21 W/kg

Motorola Fast SAR: SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.824 mW/g

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

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

Maximum value of SAR (measured) = 1.17 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/21/2009 9:08:46 PM

Robot # / Run #: DASY4-PG-1 / PS-FACE-090821-19
 Phantom # / Tissue Temp: ELI4 1037 / 20.7 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 851.0125 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: NONE / NONE
 Start power: 3.15 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 1.632 mW/g (1g); 1.171 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 860.5$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 41.6$; $\rho = 1000$ kg/m³

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

Reference Value = 46.8 V/m; Power Drift = -0.792 dB

Peak SAR (extrapolated) = 2.15 W/kg

SAR(1 g) = 1.63 mW/g; SAR(10 g) = 1.17 mW/g

Maximum value of SAR (measured) = 1.72 mW/g

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

Reference Value = 46.8 V/m; Power Drift = -0.547 dB

Motorola Fast SAR: SAR(1 g) = 1.79 mW/g; SAR(10 g) = 1.27 mW/g

Maximum value of SAR (interpolated) = 1.89 mW/g

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

Reference Value = 46.8 V/m; Power Drift = -0.661 dB

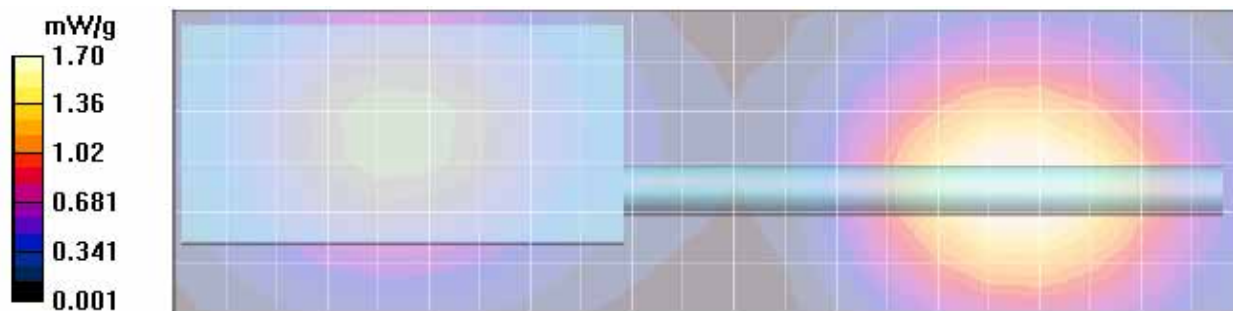
Peak SAR (extrapolated) = 1.79 W/kg

Motorola Fast SAR: SAR(1 g) = 1.69 mW/g; SAR(10 g) = 1.2 mW/g

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

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

Maximum value of SAR (measured) = 1.70 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/3/2009 6:06:24 PM

Robot # / Run #: DASY4-PG-1 / CcC-FACE-090903-07
 Phantom # / Tissue Temp: ELI4 1037 / 21.4 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 869.000 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: NONE / NONE
 Start power: 3.10 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 1.47 mW/g (1g); 1.08 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 860.5$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 41.2$; $\rho = 1000$ kg/m³

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

Reference Value = 42.1 V/m; Power Drift = -0.804 dB

Peak SAR (extrapolated) = 1.91 W/kg

SAR(1 g) = 1.47 mW/g; SAR(10 g) = 1.08 mW/g

Maximum value of SAR (measured) = 1.55 mW/g

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

Reference Value = 42.1 V/m; Power Drift = -0.611 dB

Motorola Fast SAR: SAR(1 g) = 1.56 mW/g; SAR(10 g) = 1.11 mW/g

Maximum value of SAR (interpolated) = 1.65 mW/g

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

Reference Value = 42.1 V/m; Power Drift = -0.682 dB

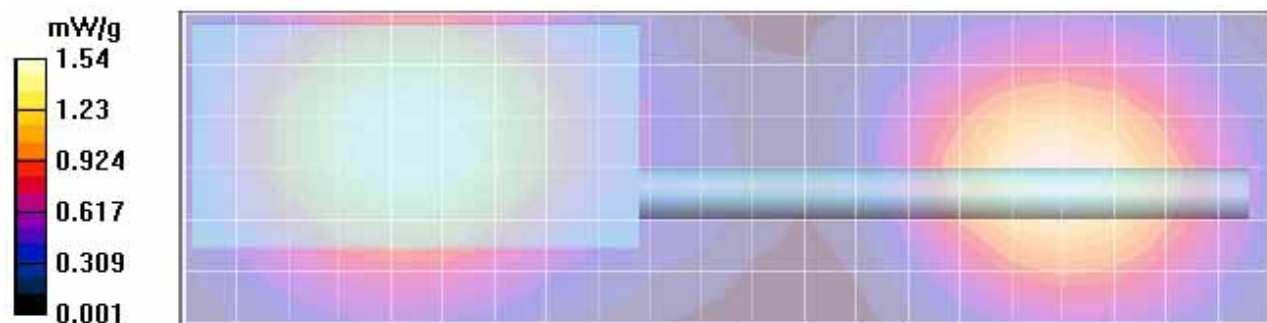
Peak SAR (extrapolated) = 1.58 W/kg

Motorola Fast SAR: SAR(1 g) = 1.5 mW/g; SAR(10 g) = 1.07 mW/g

Maximum value of SAR (interpolated) = 1.58 mW/g

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

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



Section 7.0
896 – 902MHz Body Assessment
Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 8/17/2009 9:44:44 AM

Robot # / Run #: DASY4-PG-1 / CcC-AB-090817-04
Phantom # / Tissue Temp: ELI4 1050 / 21.3 (C)
Model # / Serial#: PMUF1413A / 777TKN0846
Antenna / TX Freq: PMAF4003A / 899.000 MHz
Battery: PMNN4069A
Carry Acc. / Cable Acc.: RLN4570A / NONE
Start power: 2.90 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 7.27 mW/g (1g); 5.03 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 899$ MHz; $\sigma = 1.08$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

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

Reference Value = 60.1 V/m; Power Drift = -0.833 dB

Peak SAR (extrapolated) = 9.89 W/kg

SAR(1 g) = 7.27 mW/g; SAR(10 g) = 5.03 mW/g

Maximum value of SAR (measured) = 7.79 mW/g

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

Reference Value = 60.1 V/m; Power Drift = -0.651 dB

Motorola Fast SAR: SAR(1 g) = 8.02 mW/g; SAR(10 g) = 5.47 mW/g

Maximum value of SAR (interpolated) = 8.59 mW/g

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

Reference Value = 60.1 V/m; Power Drift = -0.709 dB

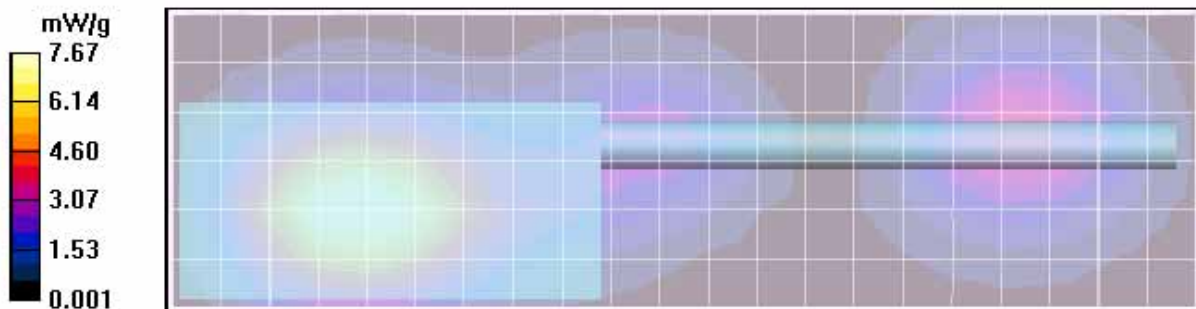
Peak SAR (extrapolated) = 7.95 W/kg

Motorola Fast SAR: SAR(1 g) = 7.52 mW/g; SAR(10 g) = 5.12 mW/g

Maximum value of SAR (interpolated) = 7.95 mW/g

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

Maximum value of SAR (measured) = 7.67 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/17/2009 6:55:19 PM

Robot # / Run #: DASY4-PG-1 / PS-AB-090817-18
 Phantom # / Tissue Temp: ELI4 1050 / 21.2 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 896.000 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: RLN4570A / NONE
 Start power: 2.92 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 7.18 mW/g (1g); 5.00 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 899$ MHz; $\sigma = 1.08$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

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

Reference Value = 62.0 V/m; Power Drift = -0.706 dB

Peak SAR (extrapolated) = 9.70 W/kg

SAR(1 g) = 7.18 mW/g; SAR(10 g) = 5 mW/g

Maximum value of SAR (measured) = 7.69 mW/g

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

Reference Value = 62.0 V/m; Power Drift = -0.658 dB

Motorola Fast SAR: SAR(1 g) = 7.76 mW/g; SAR(10 g) = 5.31 mW/g

Maximum value of SAR (interpolated) = 8.28 mW/g

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

Reference Value = 62.0 V/m; Power Drift = -0.607 dB

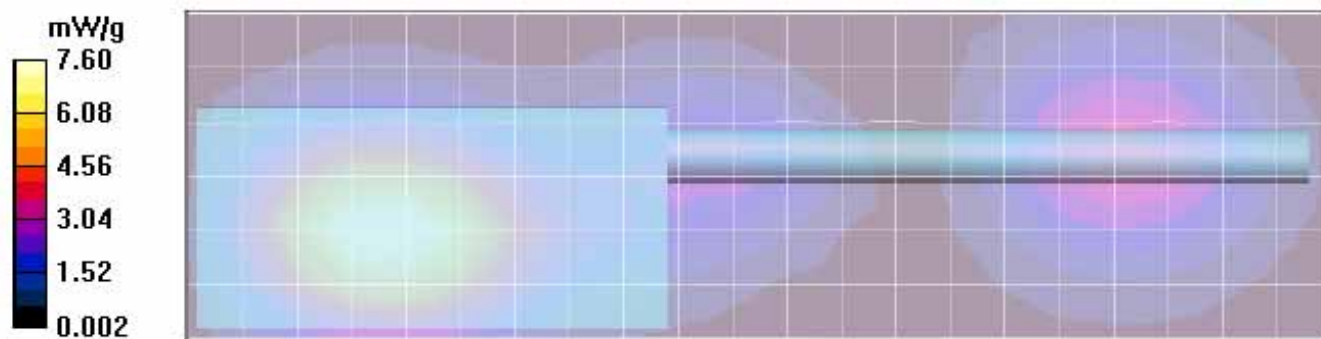
Peak SAR (extrapolated) = 7.78 W/kg

Motorola Fast SAR: SAR(1 g) = 7.35 mW/g; SAR(10 g) = 5.01 mW/g

Maximum value of SAR (interpolated) = 7.78 mW/g

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

Maximum value of SAR (measured) = 7.60 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/17/2009 7:30:04 PM

Robot # / Run #: DASY4-PG-1 / PS-AB-090817-19
 Phantom # / Tissue Temp: ELI4 1050 / 21.4 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 902.000 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: RLN4570A / NONE
 Start power: 2.89 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 7.10 mW/g (1g); 4.92 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 899$ MHz; $\sigma = 1.08$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

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

Reference Value = 60.1 V/m; Power Drift = -0.833 dB

Peak SAR (extrapolated) = 9.68 W/kg

SAR(1 g) = 7.1 mW/g; SAR(10 g) = 4.92 mW/g

Maximum value of SAR (measured) = 7.62 mW/g

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

Reference Value = 60.1 V/m; Power Drift = -0.617 dB

Motorola Fast SAR: SAR(1 g) = 7.82 mW/g; SAR(10 g) = 5.34 mW/g

Maximum value of SAR (interpolated) = 8.35 mW/g

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

Reference Value = 60.1 V/m; Power Drift = -0.685 dB

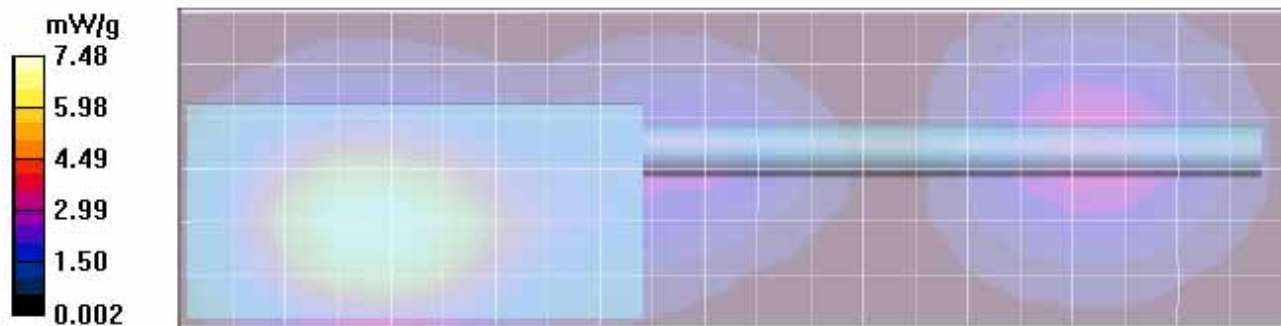
Peak SAR (extrapolated) = 7.79 W/kg

Motorola Fast SAR: SAR(1 g) = 7.36 mW/g; SAR(10 g) = 5 mW/g

Maximum value of SAR (interpolated) = 7.79 mW/g

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

Maximum value of SAR (measured) = 7.48 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/5/2009 11:04:16 AM

Robot # / Run #: DASY4-PG-1 / PS-AB-090905-08
 Phantom # / Tissue Temp: ELI4 1050 / 21.4 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 899.000 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: RLN4570A / NONE
 Start power: 3.03 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 4.98 mW/g (1g); 3.54 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 899$ MHz; $\sigma = 1.06$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

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

Reference Value = 65.3 V/m; Power Drift = -0.814 dB

Peak SAR (extrapolated) = 6.59 W/kg

SAR(1 g) = 4.98 mW/g; SAR(10 g) = 3.54 mW/g

Maximum value of SAR (measured) = 5.29 mW/g

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

Reference Value = 65.3 V/m; Power Drift = -0.592 dB

Motorola Fast SAR: SAR(1 g) = 5.45 mW/g; SAR(10 g) = 3.78 mW/g

Maximum value of SAR (interpolated) = 5.81 mW/g

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

Reference Value = 65.3 V/m; Power Drift = -0.661 dB

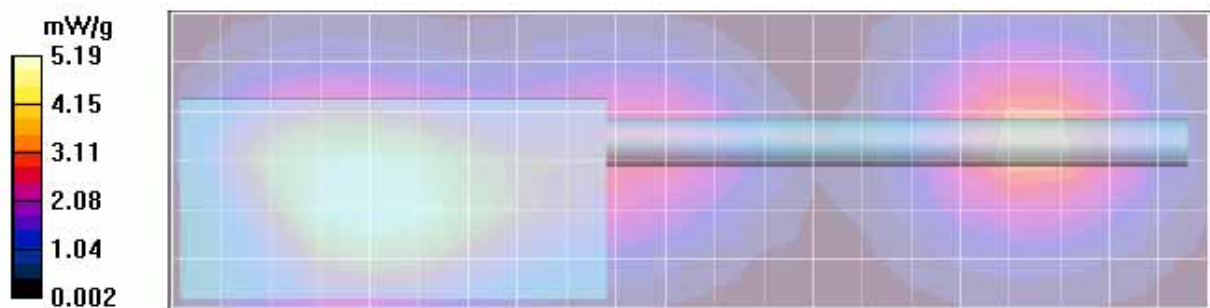
Peak SAR (extrapolated) = 5.42 W/kg

Motorola Fast SAR: SAR(1 g) = 5.12 mW/g; SAR(10 g) = 3.56 mW/g

Maximum value of SAR (interpolated) = 5.42 mW/g

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

Maximum value of SAR (measured) = 5.19 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/17/2009 2:40:27 PM

Robot # / Run #: DASY4-PG-1 / PS-AB-090817-11
 Phantom # / Tissue Temp: ELI4 1050 / 21.4 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 899.000 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: RLN4570A / PMLN5097A
 Start power: 2.90 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 7.06 mW/g (1g); 4.90 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 899$ MHz; $\sigma = 1.08$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

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

Reference Value = 57.2 V/m; Power Drift = -0.704 dB

Peak SAR (extrapolated) = 9.57 W/kg

SAR(1 g) = 7.06 mW/g; SAR(10 g) = 4.9 mW/g

Maximum value of SAR (measured) = 7.55 mW/g

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

Reference Value = 57.2 V/m; Power Drift = -0.530 dB

Motorola Fast SAR: SAR(1 g) = 7.72 mW/g; SAR(10 g) = 5.24 mW/g

Maximum value of SAR (interpolated) = 8.26 mW/g

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

Reference Value = 57.2 V/m; Power Drift = -0.572 dB

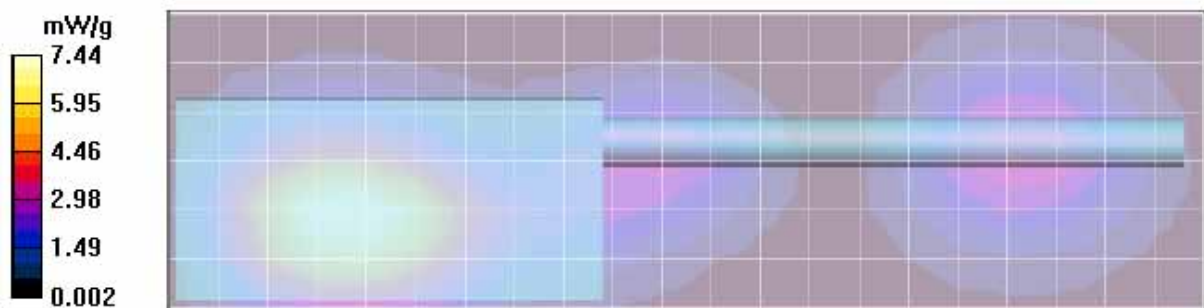
Peak SAR (extrapolated) = 7.72 W/kg

Motorola Fast SAR: SAR(1 g) = 7.29 mW/g; SAR(10 g) = 4.96 mW/g

Maximum value of SAR (interpolated) = 7.72 mW/g

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

Maximum value of SAR (measured) = 7.44 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/5/2009 11:43:46 AM

Robot # / Run #: DASY4-PG-1 / PS-AB-090905-09
 Phantom # / Tissue Temp: ELI4 1050 / 21.2 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 896.000 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: RLN4570A / PMLN5097A
 Start power: 2.84 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 6.35 mW/g (1g); 4.42 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 899$ MHz; $\sigma = 1.06$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

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

Reference Value = 60.5 V/m; Power Drift = -0.752 dB

Peak SAR (extrapolated) = 8.59 W/kg

SAR(1 g) = 6.35 mW/g; SAR(10 g) = 4.42 mW/g

Maximum value of SAR (measured) = 6.79 mW/g

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

Reference Value = 60.5 V/m; Power Drift = -0.551 dB

Motorola Fast SAR: SAR(1 g) = 6.98 mW/g; SAR(10 g) = 4.76 mW/g

Maximum value of SAR (interpolated) = 7.45 mW/g

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

Reference Value = 60.5 V/m; Power Drift = -0.616 dB

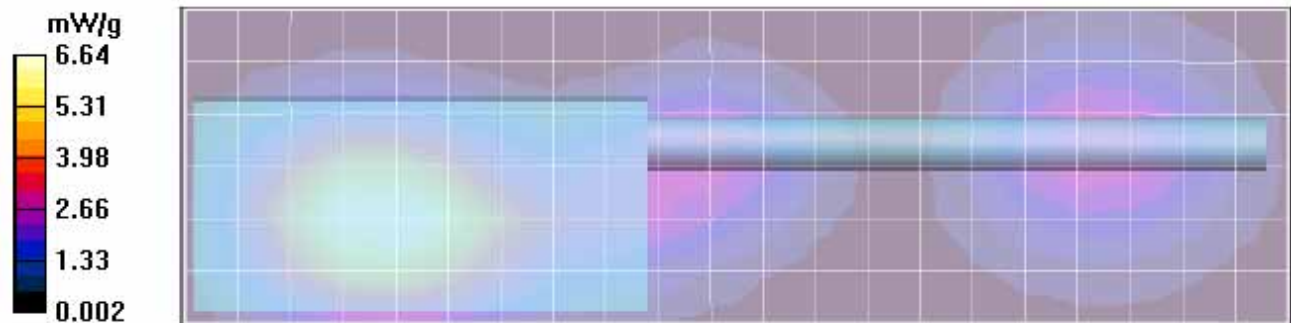
Peak SAR (extrapolated) = 6.92 W/kg

Motorola Fast SAR: SAR(1 g) = 6.54 mW/g; SAR(10 g) = 4.45 mW/g

Maximum value of SAR (interpolated) = 6.92 mW/g

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

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



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/5/2009 12:18:36 PM

Robot # / Run #: DASY4-PG-1 / PS-AB-090905-10
 Phantom # / Tissue Temp: ELI4 1050 / 21.2 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 902.000 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: RLN4570A / PMLN5097A
 Start power: 2.80 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 6.17 mW/g (1g); 4.29 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 899$ MHz; $\sigma = 1.06$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

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

Reference Value = 58.9 V/m; Power Drift = -0.775 dB

Peak SAR (extrapolated) = 8.37 W/kg

SAR(1 g) = 6.17 mW/g; SAR(10 g) = 4.29 mW/g

Maximum value of SAR (measured) = 6.59 mW/g

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

Reference Value = 58.9 V/m; Power Drift = -0.433 dB

Motorola Fast SAR: SAR(1 g) = 6.89 mW/g; SAR(10 g) = 4.71 mW/g

Maximum value of SAR (interpolated) = 7.35 mW/g

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

Reference Value = 58.9 V/m; Power Drift = -0.548 dB

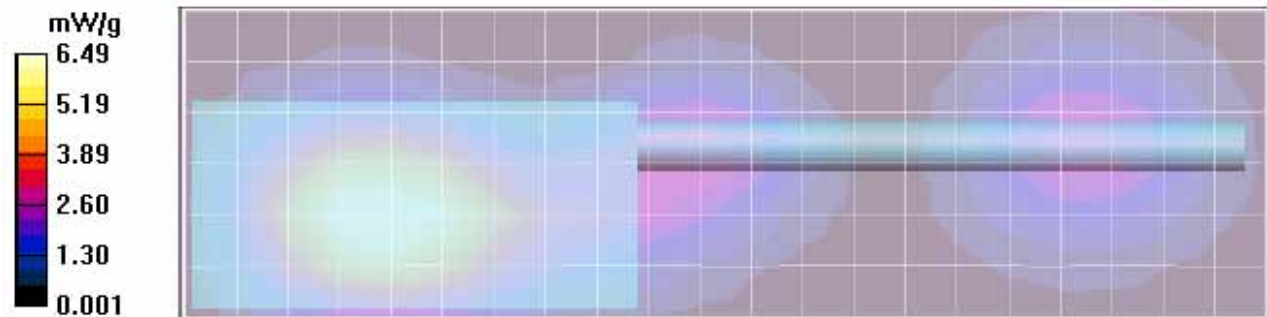
Peak SAR (extrapolated) = 6.93 W/kg

Motorola Fast SAR: SAR(1 g) = 6.54 mW/g; SAR(10 g) = 4.44 mW/g

Maximum value of SAR (interpolated) = 6.93 mW/g

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

Maximum value of SAR (measured) = 6.49 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/5/2009 12:57:07 PM

Robot # / Run #: DASY4-PG-1 / PS-AB-090905-11
 Phantom # / Tissue Temp: ELI4 1050 / 21.1 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 899.000 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: RLN4570A / PMLN5097A
 Start power: 3.06 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 4.31 mW/g (1g); 3.06 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 899$ MHz; $\sigma = 1.06$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

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

Reference Value = 56.6 V/m; Power Drift = -0.990 dB

Peak SAR (extrapolated) = 5.70 W/kg

SAR(1 g) = 4.31 mW/g; SAR(10 g) = 3.06 mW/g

Maximum value of SAR (measured) = 4.58 mW/g

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

Reference Value = 56.6 V/m; Power Drift = -0.782 dB

Motorola Fast SAR: SAR(1 g) = 4.9 mW/g; SAR(10 g) = 3.39 mW/g

Maximum value of SAR (interpolated) = 5.22 mW/g

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

Reference Value = 56.6 V/m; Power Drift = -0.843 dB

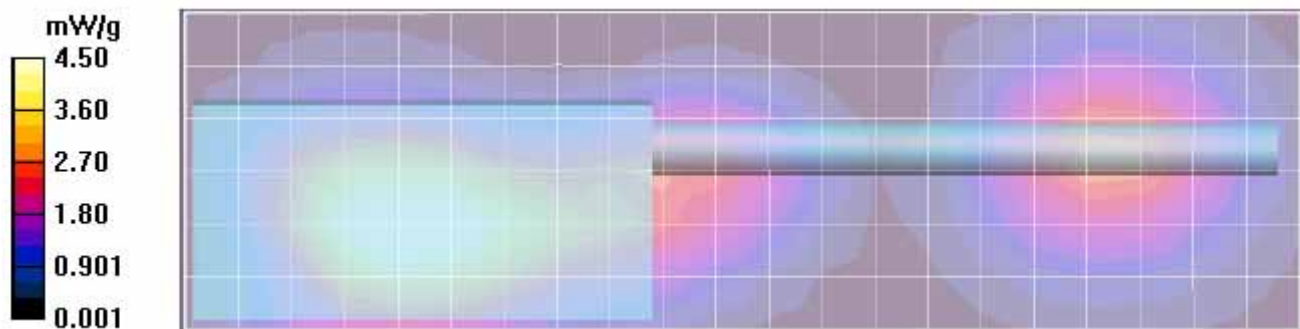
Peak SAR (extrapolated) = 4.65 W/kg

Motorola Fast SAR: SAR(1 g) = 4.4 mW/g; SAR(10 g) = 3.05 mW/g

Maximum value of SAR (interpolated) = 4.65 mW/g

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

Maximum value of SAR (measured) = 4.50 mW/g



Section 8.0
896 – 902MHz Body Assessment at 2.5cm
Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 8/17/2009 8:43:21 PM

Robot # / Run #: DASY4-PG-1 / PS-AB-090817-21
Phantom # / Tissue Temp: ELI4 1050 / 21.0 (C)
Model # / Serial#: PMUF1413A / 777TKN0846
Antenna / TX Freq: PMAF4003A / 899.000 MHz
Battery: PMNN4069A
Carry Acc. / Cable Acc.: NONE / PMLN5097A
Start power: 2.90 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 1.250 mW/g (1g); 0.907 mW/g (10g)

Comments: Full scan. Radio back at 2.5cm.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 899$ MHz; $\sigma = 1.08$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

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

Reference Value = 29.9 V/m; Power Drift = -0.634 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.907 mW/g

Maximum value of SAR (measured) = 1.32 mW/g

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

Reference Value = 29.9 V/m; Power Drift = -0.478 dB

Motorola Fast SAR: SAR(1 g) = 1.33 mW/g; SAR(10 g) = 0.943 mW/g

Maximum value of SAR (interpolated) = 1.41 mW/g

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

Reference Value = 29.9 V/m; Power Drift = -0.550 dB

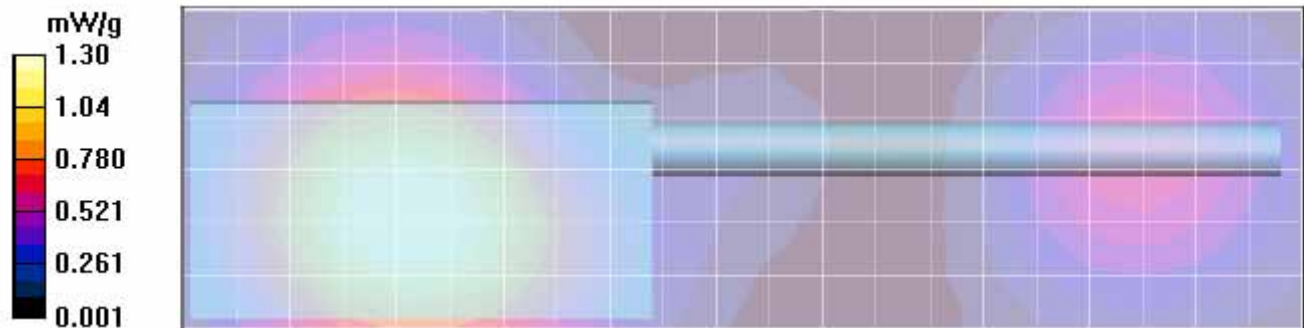
Peak SAR (extrapolated) = 1.33 W/kg

Motorola Fast SAR: SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.899 mW/g

Maximum value of SAR (interpolated) = 1.33 mW/g

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

Maximum value of SAR (measured) = 1.30 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/18/2009 8:23:19 AM

Robot # / Run #: DASY4-PG-1 / CcC-AB-090818-02
 Phantom # / Tissue Temp: ELI4 1050 / 21.6 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 899.000 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: NONE / PMLN5097A
 Start power: 2.93 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 1.43 mW/g (1g); 1.05 mW/g (10g)

Comments: Full scan. Radio front at 2.5cm.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 899$ MHz; $\sigma = 1.07$ mho/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³

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

Reference Value = 33.3 V/m; Power Drift = -0.553 dB

Peak SAR (extrapolated) = 1.89 W/kg

SAR(1 g) = 1.43 mW/g; SAR(10 g) = 1.05 mW/g

Maximum value of SAR (measured) = 1.51 mW/g

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

Reference Value = 33.3 V/m; Power Drift = -0.410 dB

Motorola Fast SAR: SAR(1 g) = 1.49 mW/g; SAR(10 g) = 1.06 mW/g

Maximum value of SAR (interpolated) = 1.57 mW/g

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

Reference Value = 33.3 V/m; Power Drift = -0.444 dB

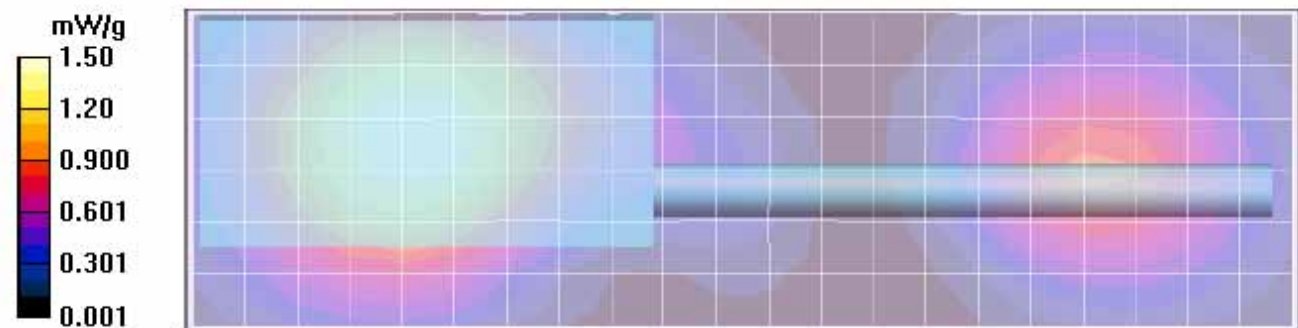
Peak SAR (extrapolated) = 1.54 W/kg

Motorola Fast SAR: SAR(1 g) = 1.46 mW/g; SAR(10 g) = 1.04 mW/g

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

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

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



Section 9.0

896 – 902MHz Face Assessment

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/22/2009 9:26:51 AM

Robot # / Run #: DASY4-PG-1 / CcC-FACE-090822-03
 Phantom # / Tissue Temp: ELI4 1037 / 21.5 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 899.000 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: NONE / NONE
 Start power: 3.13 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 2.07 mW/g (1g); 1.50 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 899$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³

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

Reference Value = 43.1 V/m; Power Drift = -0.714 dB

Peak SAR (extrapolated) = 2.73 W/kg

SAR(1 g) = 2.07 mW/g; SAR(10 g) = 1.5 mW/g

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

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

Reference Value = 43.1 V/m; Power Drift = -0.549 dB

Motorola Fast SAR: SAR(1 g) = 2.19 mW/g; SAR(10 g) = 1.56 mW/g

Maximum value of SAR (interpolated) = 2.31 mW/g

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

Reference Value = 43.1 V/m; Power Drift = -0.596 dB

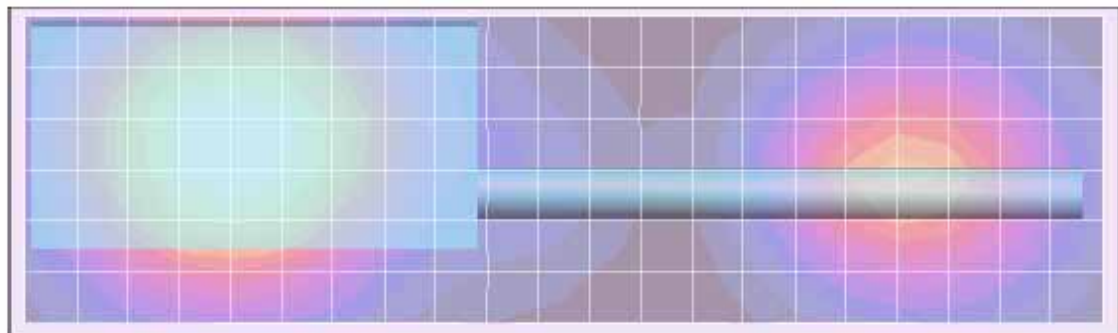
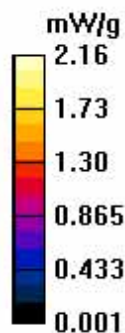
Peak SAR (extrapolated) = 2.23 W/kg

Motorola Fast SAR: SAR(1 g) = 2.11 mW/g; SAR(10 g) = 1.5 mW/g

Maximum value of SAR (interpolated) = 2.23 mW/g

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

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



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/22/2009 10:01:03 AM

Robot # / Run #: DASY4-PG-1 / CcC-FACE-090822-04
 Phantom # / Tissue Temp: ELI4 1037 / 21.5 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 899.000 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: NONE / NONE
 Start power: 2.90 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 1.96 mW/g (1g); 1.42 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 899$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³

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

Reference Value = 40.0 V/m; Power Drift = -0.533 dB

Peak SAR (extrapolated) = 2.58 W/kg

SAR(1 g) = 1.96 mW/g; SAR(10 g) = 1.42 mW/g

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

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

Reference Value = 40.0 V/m; Power Drift = -0.383 dB

Motorola Fast SAR: SAR(1 g) = 2.06 mW/g; SAR(10 g) = 1.47 mW/g

Maximum value of SAR (interpolated) = 2.18 mW/g

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

Reference Value = 40.0 V/m; Power Drift = -0.424 dB

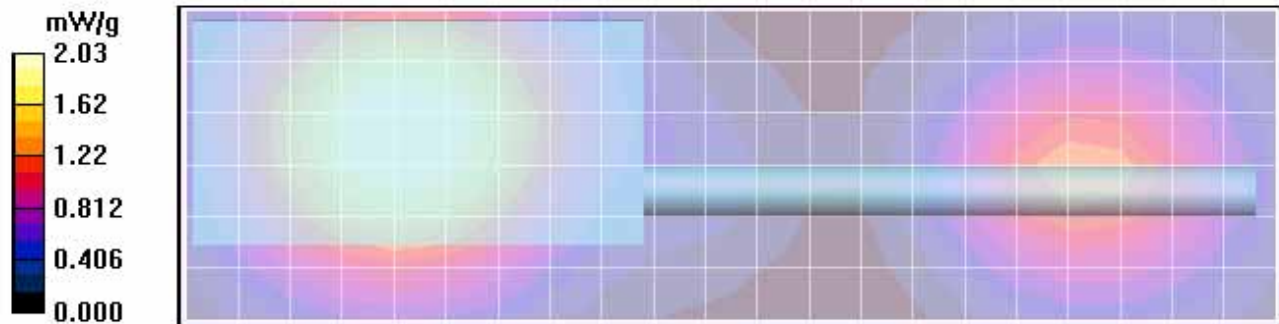
Peak SAR (extrapolated) = 2.10 W/kg

Motorola Fast SAR: SAR(1 g) = 1.99 mW/g; SAR(10 g) = 1.42 mW/g

Maximum value of SAR (interpolated) = 2.10 mW/g

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

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



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/22/2009 10:38:51 AM

Robot # / Run #: DASY4-PG-1 / CcC-FACE-090822-05
 Phantom # / Tissue Temp: ELI4 1037 / 21.7 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 899.000 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: NONE / RLN5878A
 Start power: 3.13 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 2.03 mW/g (1g); 1.46 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 899$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³

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

Reference Value = 41.2 V/m; Power Drift = -0.747 dB

Peak SAR (extrapolated) = 2.68 W/kg

SAR(1 g) = 2.03 mW/g; SAR(10 g) = 1.46 mW/g

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

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

Reference Value = 41.2 V/m; Power Drift = -0.705 dB

Motorola Fast SAR: SAR(1 g) = 2.13 mW/g; SAR(10 g) = 1.52 mW/g

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

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

Reference Value = 41.2 V/m; Power Drift = -0.734 dB

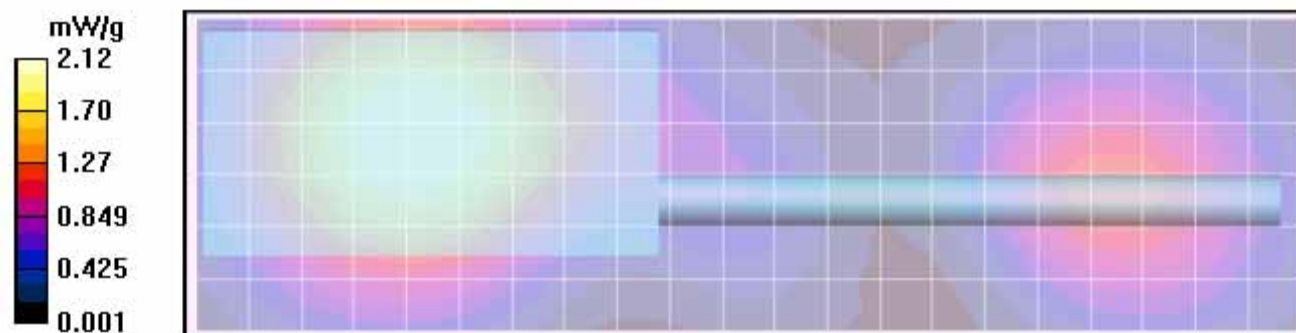
Peak SAR (extrapolated) = 2.13 W/kg

Motorola Fast SAR: SAR(1 g) = 2.02 mW/g; SAR(10 g) = 1.44 mW/g

Maximum value of SAR (interpolated) = 2.13 mW/g

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

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



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/3/2009 6:43:07 PM

Robot # / Run #: DASY4-PG-1 / CcC-FACE-090903-08
 Phantom # / Tissue Temp: ELI4 1037 / 21.2 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 899.000 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: NONE / RLN5878A
 Start power: 2.85 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 1.75 mW/g (1g); 1.27 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 899$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³

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

Reference Value = 39.3 V/m; Power Drift = -0.678 dB

Peak SAR (extrapolated) = 2.31 W/kg

SAR(1 g) = 1.75 mW/g; SAR(10 g) = 1.27 mW/g

Maximum value of SAR (measured) = 1.86 mW/g

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

Reference Value = 39.3 V/m; Power Drift = -0.488 dB

Motorola Fast SAR: SAR(1 g) = 1.84 mW/g; SAR(10 g) = 1.31 mW/g

Maximum value of SAR (interpolated) = 1.94 mW/g

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

Reference Value = 39.3 V/m; Power Drift = -0.551 dB

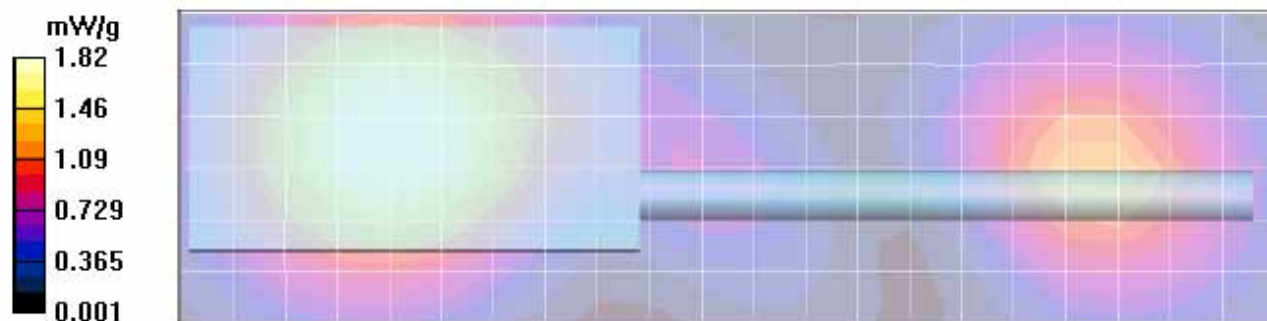
Peak SAR (extrapolated) = 1.89 W/kg

Motorola Fast SAR: SAR(1 g) = 1.8 mW/g; SAR(10 g) = 1.28 mW/g

Maximum value of SAR (interpolated) = 1.89 mW/g

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

Maximum value of SAR (measured) = 1.82 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/22/2009 11:13:03 AM

Robot # / Run #: DASY4-PG-1 / CcC-FACE-090822-06
 Phantom # / Tissue Temp: ELI4 1037 / 21.6 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 896.000 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: NONE / NONE
 Start power: 3.12 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 2.02 mW/g (1g); 1.46 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 899$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³

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

Reference Value = 41.4 V/m; Power Drift = -0.713 dB

Peak SAR (extrapolated) = 2.66 W/kg

SAR(1 g) = 2.02 mW/g; SAR(10 g) = 1.46 mW/g

Maximum value of SAR (measured) = 2.13 mW/g

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

Reference Value = 41.4 V/m; Power Drift = -0.539 dB

Motorola Fast SAR: SAR(1 g) = 2.14 mW/g; SAR(10 g) = 1.53 mW/g

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

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

Reference Value = 41.4 V/m; Power Drift = -0.590 dB

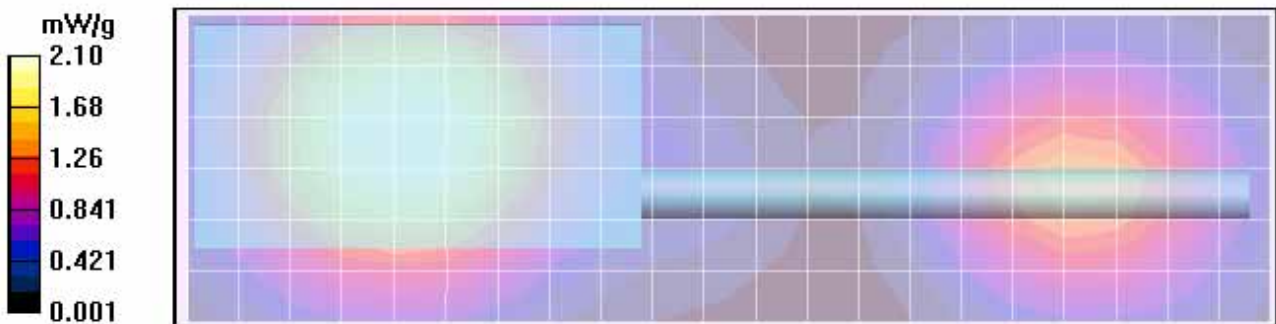
Peak SAR (extrapolated) = 2.18 W/kg

Motorola Fast SAR: SAR(1 g) = 2.06 mW/g; SAR(10 g) = 1.47 mW/g

Maximum value of SAR (interpolated) = 2.18 mW/g

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

Maximum value of SAR (measured) = 2.10 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/22/2009 11:49:02 AM

Robot # / Run #: DASY4-PG-1 / CcC-FACE-090822-07
 Phantom # / Tissue Temp: ELI4 1037 / 21.2 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 902.000 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: NONE / NONE
 Start power: 3.14 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 2.05 mW/g (1g); 1.49 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 899$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³

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

Reference Value = 42.6 V/m; Power Drift = -0.726 dB

Peak SAR (extrapolated) = 2.71 W/kg

SAR(1 g) = 2.05 mW/g; SAR(10 g) = 1.49 mW/g

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

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

Reference Value = 42.6 V/m; Power Drift = -0.553 dB

Motorola Fast SAR: SAR(1 g) = 2.19 mW/g; SAR(10 g) = 1.56 mW/g

Maximum value of SAR (interpolated) = 2.31 mW/g

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

Reference Value = 42.6 V/m; Power Drift = -0.595 dB

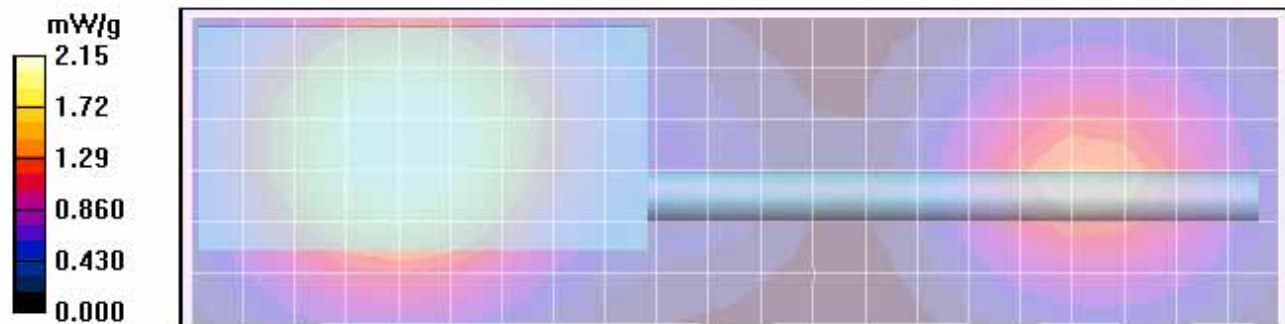
Peak SAR (extrapolated) = 2.22 W/kg

Motorola Fast SAR: SAR(1 g) = 2.11 mW/g; SAR(10 g) = 1.5 mW/g

Maximum value of SAR (interpolated) = 2.22 mW/g

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

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



Section 10.0

935 – 941MHz Body Assessment

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/19/2009 2:18:57 PM

Robot # / Run #: DASY4-PG-1 / PS-AB-090819-09
 Phantom # / Tissue Temp: ELI4 1050 / 21.2 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 938.000 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: RLN4570A / NONE
 Start power: 2.87 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 5.01 mW/g (1g); 3.43 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 938 \text{ MHz}$; $\sigma = 1.11 \text{ mho/m}$; $\epsilon_r = 52.5$; $\rho = 1000 \text{ kg/m}^3$

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

Reference Value = 53.6 V/m; Power Drift = -1.18 dB

Peak SAR (extrapolated) = 6.88 W/kg

SAR(1 g) = 5.01 mW/g; SAR(10 g) = 3.43 mW/g

Maximum value of SAR (measured) = 5.38 mW/g

Ab Scan/Area Scan (61x211x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 53.6 V/m; Power Drift = -0.885 dB

Motorola Fast SAR: SAR(1 g) = 5.51 mW/g; SAR(10 g) = 3.73 mW/g

Maximum value of SAR (interpolated) = 5.89 mW/g

Ab Scan/Volume 2D Scan (41x41x1): Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=1\text{mm}$

Reference Value = 53.6 V/m; Power Drift = -0.969 dB

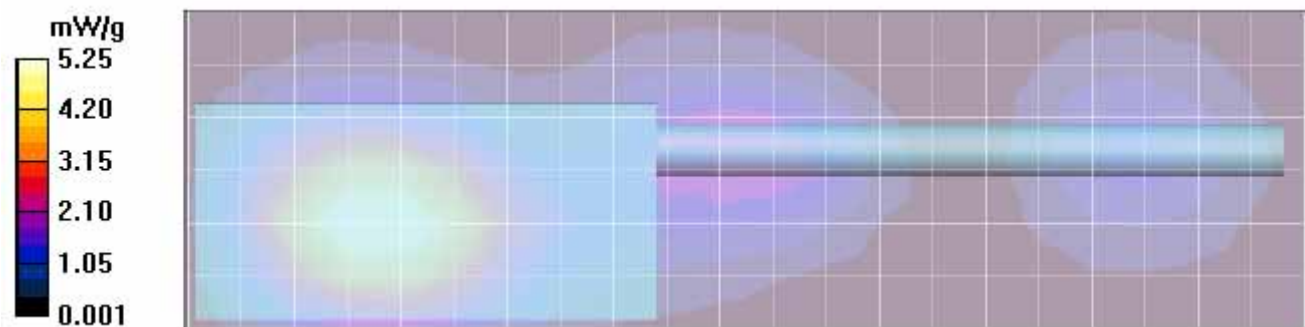
Peak SAR (extrapolated) = 5.51 W/kg

Motorola Fast SAR: SAR(1 g) = 5.21 mW/g; SAR(10 g) = 3.53 mW/g

Maximum value of SAR (interpolated) = 5.51 mW/g

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

Maximum value of SAR (measured) = 5.25 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/6/2009 7:54:20 AM

Robot # / Run #: DASY4-PG-1 / PS-AB-090906-02
 Phantom # / Tissue Temp: ELI4 1050 / 21.7 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 938.000 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: RLN4570A / NONE
 Start power: 3.06 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 4.59 mW/g (1g); 3.22 mW/g (10g)

Comments: Full scan. Refined Area Scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 938$ MHz; $\sigma = 1.1$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

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

Reference Value = 55.3 V/m; Power Drift = -1.04 dB

Peak SAR (extrapolated) = 6.15 W/kg

SAR(1 g) = 4.59 mW/g; SAR(10 g) = 3.22 mW/g

Maximum value of SAR (measured) = 4.88 mW/g

Ab Scan/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 55.3 V/m; Power Drift = -0.651 dB

Motorola Fast SAR: SAR(1 g) = 5.29 mW/g; SAR(10 g) = 3.65 mW/g

Maximum value of SAR (interpolated) = 5.62 mW/g

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

Reference Value = 55.3 V/m; Power Drift = -0.691 dB

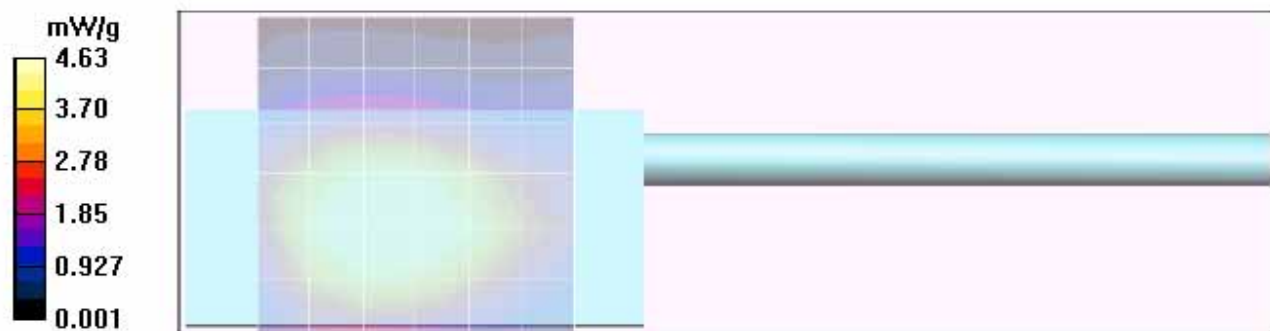
Peak SAR (extrapolated) = 5.20 W/kg

Motorola Fast SAR: SAR(1 g) = 4.92 mW/g; SAR(10 g) = 3.39 mW/g

Maximum value of SAR (interpolated) = 5.20 mW/g

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

Maximum value of SAR (measured) = 4.63 mW/g



Note: This scan was done in addition to the scan with the area that covered the entire DUT due to high SAR drift was observed.

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/19/2009 7:00:53 PM

Robot # / Run #: DASY4-PG-1 / PS-AB-090819-16
 Phantom # / Tissue Temp: ELI4 1050 / 21.0 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 938.000 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: RLN4570A / PMLN5097A
 Start power: 2.89 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 4.13 mW/g (1g); 2.81 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 938$ MHz; $\sigma = 1.11$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³

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

Reference Value = 49.5 V/m; Power Drift = -0.956 dB

Peak SAR (extrapolated) = 5.68 W/kg

SAR(1 g) = 4.13 mW/g; SAR(10 g) = 2.81 mW/g

Maximum value of SAR (measured) = 4.42 mW/g

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

Reference Value = 49.5 V/m; Power Drift = -0.686 dB

Motorola Fast SAR: SAR(1 g) = 4.51 mW/g; SAR(10 g) = 3.03 mW/g

Maximum value of SAR (interpolated) = 4.84 mW/g

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

Reference Value = 49.5 V/m; Power Drift = -0.767 dB

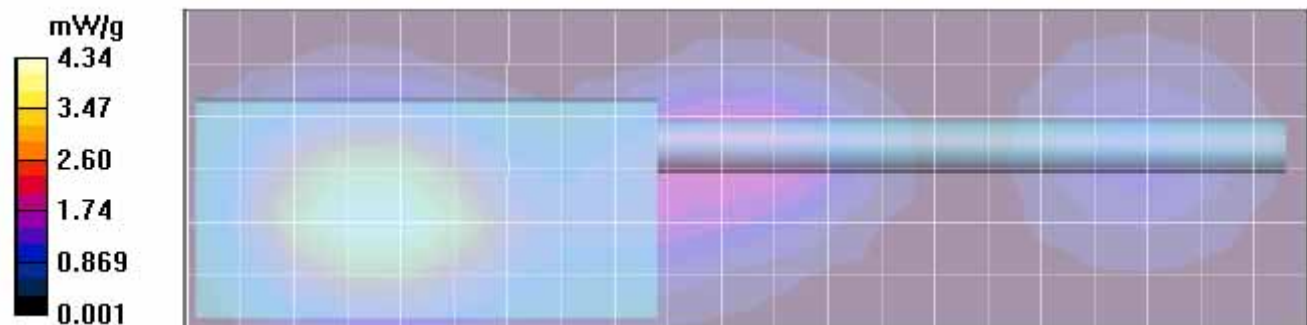
Peak SAR (extrapolated) = 4.57 W/kg

Motorola Fast SAR: SAR(1 g) = 4.31 mW/g; SAR(10 g) = 2.9 mW/g

Maximum value of SAR (interpolated) = 4.57 mW/g

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

Maximum value of SAR (measured) = 4.34 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/6/2009 8:58:03 AM

Robot # / Run #: DASY4-PG-1 / PS-AB-090906-04
 Phantom # / Tissue Temp: ELI4 1050 / 21.4 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 938.000 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: RLN4570A / PMLN5097A
 Start power: 3.09 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 4.12 mW/g (1g); 2.9 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 938$ MHz; $\sigma = 1.1$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

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

Reference Value = 48.2 V/m; Power Drift = -0.691 dB

Peak SAR (extrapolated) = 5.50 W/kg

SAR(1 g) = 4.12 mW/g; SAR(10 g) = 2.9 mW/g

Maximum value of SAR (measured) = 4.39 mW/g

Ab Scan/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 48.2 V/m; Power Drift = -0.280 dB

Motorola Fast SAR: SAR(1 g) = 4.64 mW/g; SAR(10 g) = 3.19 mW/g

Maximum value of SAR (interpolated) = 4.94 mW/g

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

Reference Value = 48.2 V/m; Power Drift = -0.384 dB

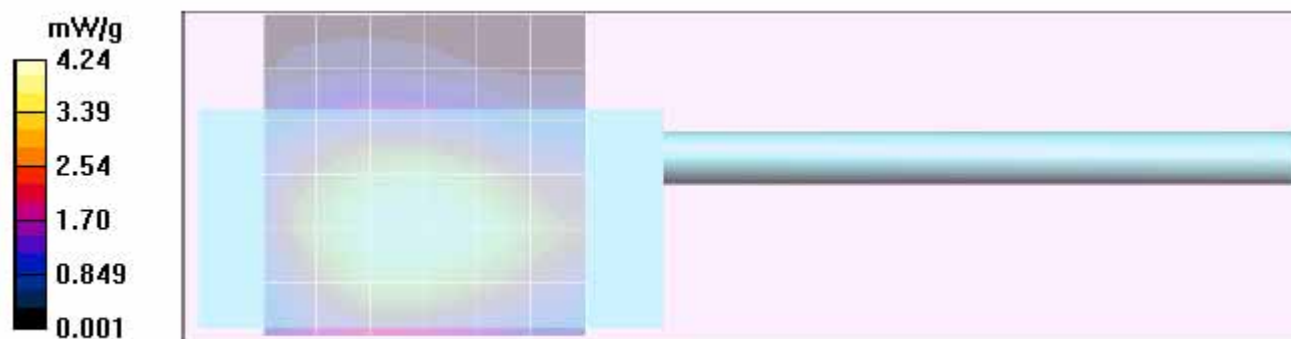
Peak SAR (extrapolated) = 4.56 W/kg

Motorola Fast SAR: SAR(1 g) = 4.32 mW/g; SAR(10 g) = 2.98 mW/g

Maximum value of SAR (interpolated) = 4.56 mW/g

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

Maximum value of SAR (measured) = 4.24 mW/g



Note: This scan was done in addition to the scan with the area that covered the entire DUT due to high SAR drift was observed.

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/20/2009 9:12:47 AM

Robot # / Run #: DASY4-PG-1 / CcC-AB-090820-04
 Phantom # / Tissue Temp: ELI4 1050 / 21.2 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 935.000 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: RLN4570A / NONE
 Start power: 2.87 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 5.39 mW/g (1g); 3.68 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 938$ MHz; $\sigma = 1.1$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

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

Reference Value = 56.9 V/m; Power Drift = -1.01 dB

Peak SAR (extrapolated) = 7.41 W/kg

SAR(1 g) = 5.39 mW/g; SAR(10 g) = 3.68 mW/g

Maximum value of SAR (measured) = 5.79 mW/g

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

Reference Value = 56.9 V/m; Power Drift = -0.739 dB

Motorola Fast SAR: SAR(1 g) = 6.15 mW/g; SAR(10 g) = 4.14 mW/g

Maximum value of SAR (interpolated) = 6.60 mW/g

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

Reference Value = 56.9 V/m; Power Drift = -0.823 dB

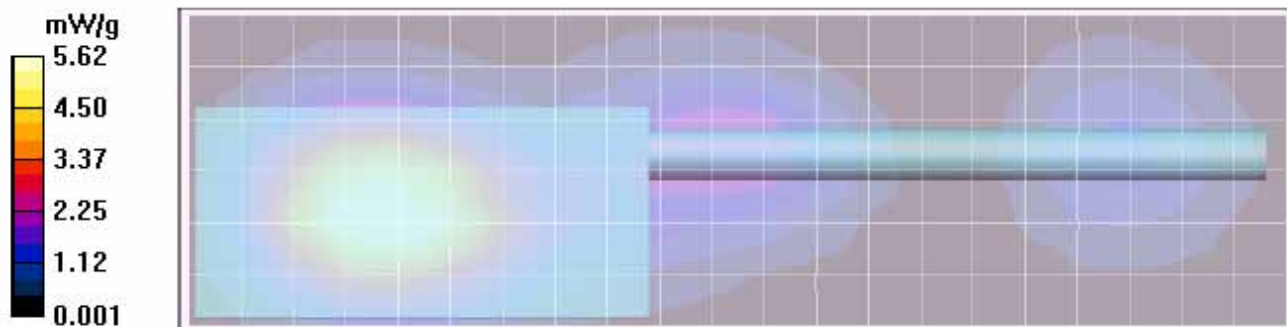
Peak SAR (extrapolated) = 5.96 W/kg

Motorola Fast SAR: SAR(1 g) = 5.63 mW/g; SAR(10 g) = 3.78 mW/g

Maximum value of SAR (interpolated) = 5.96 mW/g

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

Maximum value of SAR (measured) = 5.62 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/28/2009 7:24:41 AM

Robot # / Run #: DASY4-PG-1 / PS-AB-090828-02
 Phantom # / Tissue Temp: ELI4 1050 / 21.4 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 941.000 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: RLN4570A / NONE
 Start power: 2.94 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 4.65 mW/g (1g); 3.18 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 938$ MHz; $\sigma = 1.1$ mho/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³

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

Reference Value = 56.8 V/m; Power Drift = -1.17 dB

Peak SAR (extrapolated) = 6.38 W/kg

SAR(1 g) = 4.65 mW/g; SAR(10 g) = 3.18 mW/g

Maximum value of SAR (measured) = 4.99 mW/g

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

Reference Value = 56.8 V/m; Power Drift = -0.858 dB

Motorola Fast SAR: SAR(1 g) = 5.37 mW/g; SAR(10 g) = 3.6 mW/g

Maximum value of SAR (interpolated) = 5.78 mW/g

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

Reference Value = 56.8 V/m; Power Drift = -0.964 dB

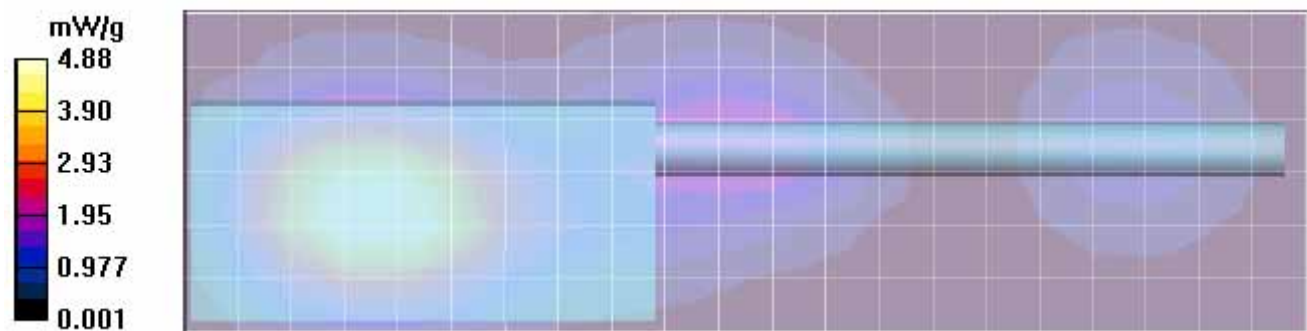
Peak SAR (extrapolated) = 5.13 W/kg

Motorola Fast SAR: SAR(1 g) = 4.86 mW/g; SAR(10 g) = 3.27 mW/g

Maximum value of SAR (interpolated) = 5.13 mW/g

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

Maximum value of SAR (measured) = 4.88 mW/g



Section 11.0

935 – 941MHz Body Assessment at 2.5cm

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/6/2009 10:11:34 AM

Robot # / Run #: DASY4-PG-1 / PS-AB-090906-06
 Phantom # / Tissue Temp: ELI4 1050 / 21.3 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 935.000 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: NONE / PMLN5097A
 Start power: 2.72 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 1.26 mW/g (1g); 0.91 mW/g (10g)

Comments: Full scan. Radio back at 2.5cm.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 938 \text{ MHz}$; $\sigma = 1.1 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$

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

Reference Value = 33.0 V/m; Power Drift = -1.01 dB

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.910 mW/g

Maximum value of SAR (measured) = 1.33 mW/g

Ab Scan/Area Scan (61x211x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 33.0 V/m; Power Drift = -0.660 dB

Motorola Fast SAR: SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.988 mW/g

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

Ab Scan/Volume 2D Scan (41x41x1): Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=1\text{mm}$

Reference Value = 33.0 V/m; Power Drift = -0.755 dB

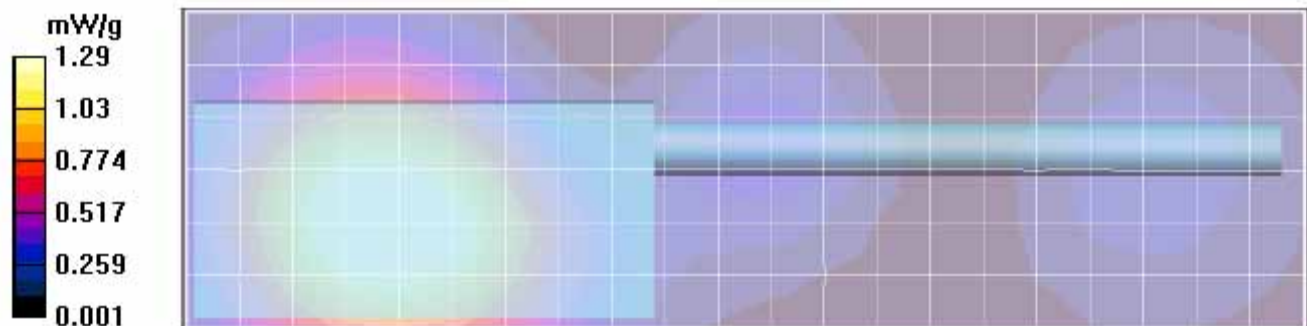
Peak SAR (extrapolated) = 1.37 W/kg

Motorola Fast SAR: SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.916 mW/g

Maximum value of SAR (interpolated) = 1.37 mW/g

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

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



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/6/2009 10:48:57 AM

Robot # / Run #: DASY4-PG-1 / PS-AB-090906-07
 Phantom # / Tissue Temp: ELI4 1050 / 21.4 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 935.000 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: NONE / PMLN5097A
 Start power: 2.70 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 1.24 mW/g (1g); 0.905 mW/g (10g)

Comments: Full scan. Radio front at 2.5cm.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 938$ MHz; $\sigma = 1.1$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

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

Reference Value = 33.6 V/m; Power Drift = -0.891 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.905 mW/g

Maximum value of SAR (measured) = 1.31 mW/g

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

Reference Value = 33.6 V/m; Power Drift = -0.626 dB

Motorola Fast SAR: SAR(1 g) = 1.33 mW/g; SAR(10 g) = 0.946 mW/g

Maximum value of SAR (interpolated) = 1.41 mW/g

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

Reference Value = 33.6 V/m; Power Drift = -0.695 dB

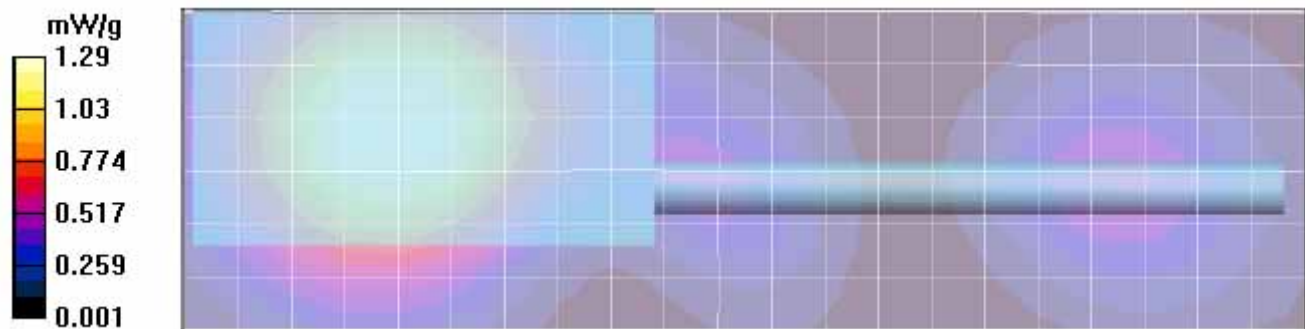
Peak SAR (extrapolated) = 1.35 W/kg

Motorola Fast SAR: SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.909 mW/g

Maximum value of SAR (interpolated) = 1.35 mW/g

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

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



Section 12.0

935 – 941MHz Face Assessment

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/22/2009 12:22:50 PM

Robot # / Run #: DASY4-PG-1 / CcC-FACE-090822-08
 Phantom # / Tissue Temp: ELI4 1037 / 21.3 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 938.000 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: NONE / NONE
 Start power: 3.14 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 1.63 mW/g (1g); 1.17 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 938$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³

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

Reference Value = 39.4 V/m; Power Drift = -1.10 dB

Peak SAR (extrapolated) = 2.17 W/kg

SAR(1 g) = 1.63 mW/g; SAR(10 g) = 1.17 mW/g

Maximum value of SAR (measured) = 1.72 mW/g

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

Reference Value = 39.4 V/m; Power Drift = -0.820 dB

Motorola Fast SAR: SAR(1 g) = 1.78 mW/g; SAR(10 g) = 1.26 mW/g

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

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

Reference Value = 39.4 V/m; Power Drift = -0.904 dB

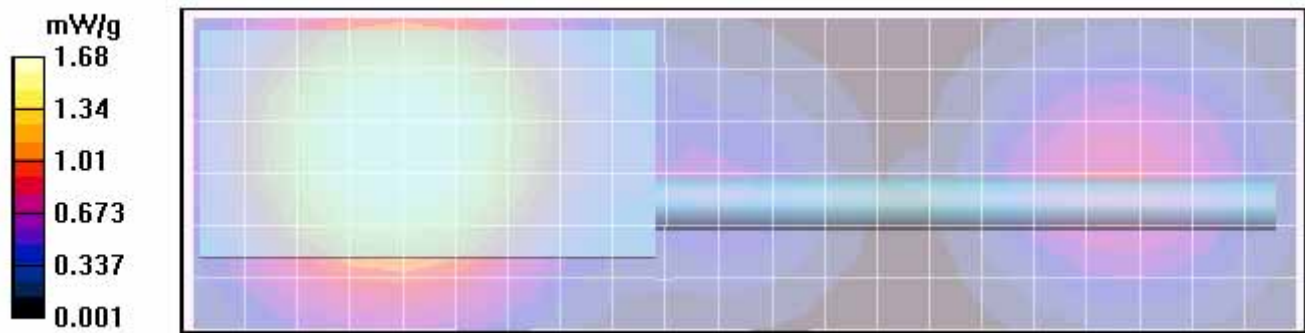
Peak SAR (extrapolated) = 1.77 W/kg

Motorola Fast SAR: SAR(1 g) = 1.68 mW/g; SAR(10 g) = 1.2 mW/g

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

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

Maximum value of SAR (measured) = 1.68 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/22/2009 12:57:09 PM

Robot # / Run #: DASY4-PG-1 / CcC-FACE-090822-09
 Phantom # / Tissue Temp: ELI4 1037 / 21.1 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 938.000 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: NONE / NONE
 Start power: 2.92 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 1.58 mW/g (1g); 1.14 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 938$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³

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

Reference Value = 38.6 V/m; Power Drift = -0.974 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 1.58 mW/g; SAR(10 g) = 1.14 mW/g

Maximum value of SAR (measured) = 1.68 mW/g

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

Reference Value = 38.6 V/m; Power Drift = -0.750 dB

Motorola Fast SAR: SAR(1 g) = 1.69 mW/g; SAR(10 g) = 1.2 mW/g

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

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

Reference Value = 38.6 V/m; Power Drift = -0.826 dB

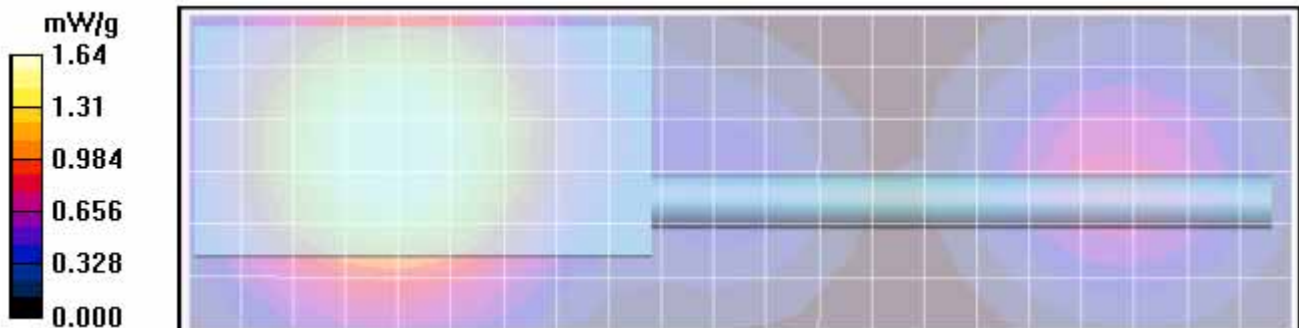
Peak SAR (extrapolated) = 1.72 W/kg

Motorola Fast SAR: SAR(1 g) = 1.63 mW/g; SAR(10 g) = 1.16 mW/g

Maximum value of SAR (interpolated) = 1.72 mW/g

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

Maximum value of SAR (measured) = 1.64 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/22/2009 1:35:48 PM

Robot # / Run #: DASY4-PG-1 / CcC-FACE-090822-10
 Phantom # / Tissue Temp: ELI4 1037 / 21.2 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 938.000 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: NONE / RLN5878A
 Start power: 3.15 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 1.84 mW/g (1g); 1.33 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 938$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³

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

Reference Value = 42.4 V/m; Power Drift = -1.00 dB

Peak SAR (extrapolated) = 2.45 W/kg

SAR(1 g) = 1.84 mW/g; SAR(10 g) = 1.33 mW/g

Maximum value of SAR (measured) = 1.94 mW/g

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

Reference Value = 42.4 V/m; Power Drift = -0.853 dB

Motorola Fast SAR: SAR(1 g) = 2.06 mW/g; SAR(10 g) = 1.46 mW/g

Maximum value of SAR (interpolated) = 2.18 mW/g

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

Reference Value = 42.4 V/m; Power Drift = -0.951 dB

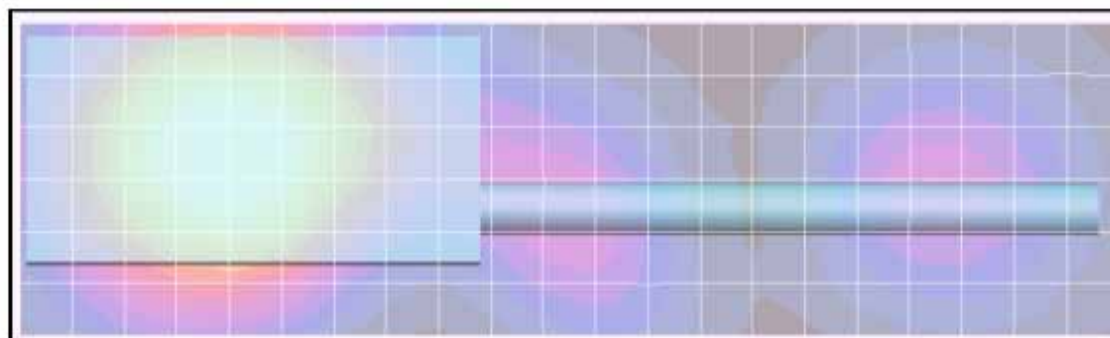
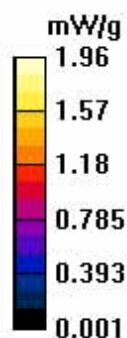
Peak SAR (extrapolated) = 2.04 W/kg

Motorola Fast SAR: SAR(1 g) = 1.93 mW/g; SAR(10 g) = 1.37 mW/g

Maximum value of SAR (interpolated) = 2.04 mW/g

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

Maximum value of SAR (measured) = 1.96 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/3/2009 7:28:53 PM

Robot # / Run #: DASY4-PG-1 / CcC-FACE-090903-09
 Phantom # / Tissue Temp: ELI4 1037 / 21.0 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 938.000 MHz
 Battery: PMNN4069A
 Carry Acc. / Cable Acc.: NONE / RLN5878A
 Start power: 2.86 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/ corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 1.16 mW/g (1g); 0.836 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 938$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

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

Reference Value = 32.1 V/m; Power Drift = -1.15 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.836 mW/g

Maximum value of SAR (measured) = 1.23 mW/g

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

Reference Value = 32.1 V/m; Power Drift = -0.780 dB

Motorola Fast SAR: SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.923 mW/g

Maximum value of SAR (interpolated) = 1.38 mW/g

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

Reference Value = 32.1 V/m; Power Drift = -0.892 dB

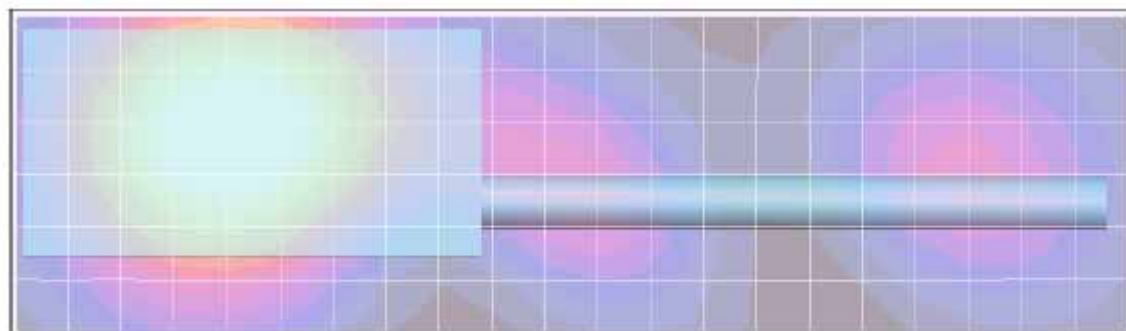
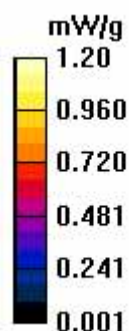
Peak SAR (extrapolated) = 1.28 W/kg

Motorola Fast SAR: SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.860 mW/g

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

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

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



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/23/2009 8:35:16 AM

Robot # / Run #: DASY4-PG-1 / CcC-FACE-090823-02
 Phantom # / Tissue Temp: ELI4 1037 / 21.5 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 935.000 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: NONE / RLN5878A
 Start power: 3.14 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 1.98 mW/g (1g); 1.42 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 938$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

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

Reference Value = 41.7 V/m; Power Drift = -1.17 dB

Peak SAR (extrapolated) = 2.64 W/kg

SAR(1 g) = 1.98 mW/g; SAR(10 g) = 1.42 mW/g

Maximum value of SAR (measured) = 2.10 mW/g

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

Reference Value = 41.7 V/m; Power Drift = -0.806 dB

Motorola Fast SAR: SAR(1 g) = 2.19 mW/g; SAR(10 g) = 1.55 mW/g

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

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

Reference Value = 41.7 V/m; Power Drift = -0.893 dB

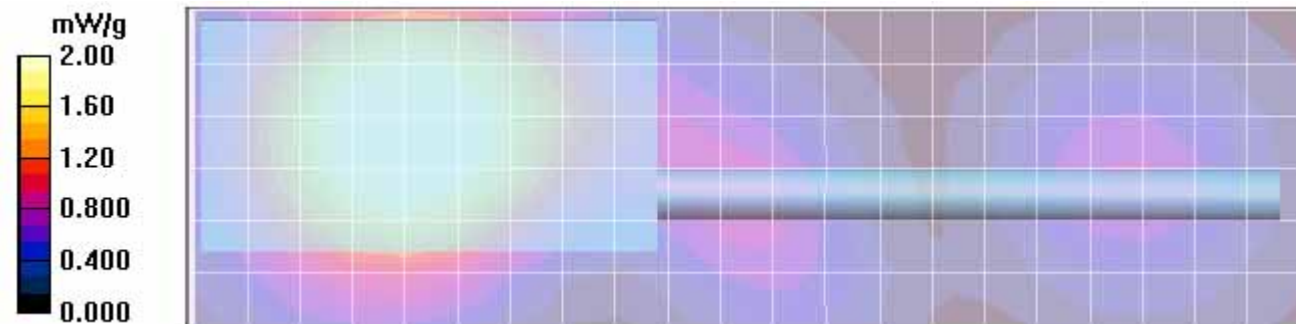
Peak SAR (extrapolated) = 2.18 W/kg

Motorola Fast SAR: SAR(1 g) = 2.07 mW/g; SAR(10 g) = 1.46 mW/g

Maximum value of SAR (interpolated) = 2.18 mW/g

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

Maximum value of SAR (measured) = 2.00 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 8/23/2009 9:09:33 AM

Robot # / Run #: DASY4-PG-1 / CcC-FACE-090823-03
 Phantom # / Tissue Temp: ELI4 1037 / 21.3 (C)
 Model # / Serial#: PMUF1413A / 777TKN0846
 Antenna / TX Freq: PMAF4003A / 941.000 MHz
 Battery: PMNN4077C
 Carry Acc. / Cable Acc.: NONE / RLN5878A
 Start power: 3.15 W

Note:

Prior to recording the calculated SAR values, the measured SAR values need to be adjusted/
 corrected in accordance with FCD-1868 for tissue frequencies from 150 MHz to 3 GHz.

Calculated: 1.55 mW/g (1g); 1.11 mW/g (10g)

Comments: Full scan.

Probe: ES3DV3 - SN3122, Calibrated: 4/24/2009, ConvF(5.78, 5.78, 5.78)

Electronics: DAE4 Sn688, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 938$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

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

Reference Value = 37.1 V/m; Power Drift = -0.906 dB

Peak SAR (extrapolated) = 2.07 W/kg

SAR(1 g) = 1.55 mW/g; SAR(10 g) = 1.11 mW/g

Maximum value of SAR (measured) = 1.63 mW/g

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

Reference Value = 37.1 V/m; Power Drift = -0.620 dB

Motorola Fast SAR: SAR(1 g) = 1.61 mW/g; SAR(10 g) = 1.14 mW/g

Maximum value of SAR (interpolated) = 1.70 mW/g

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

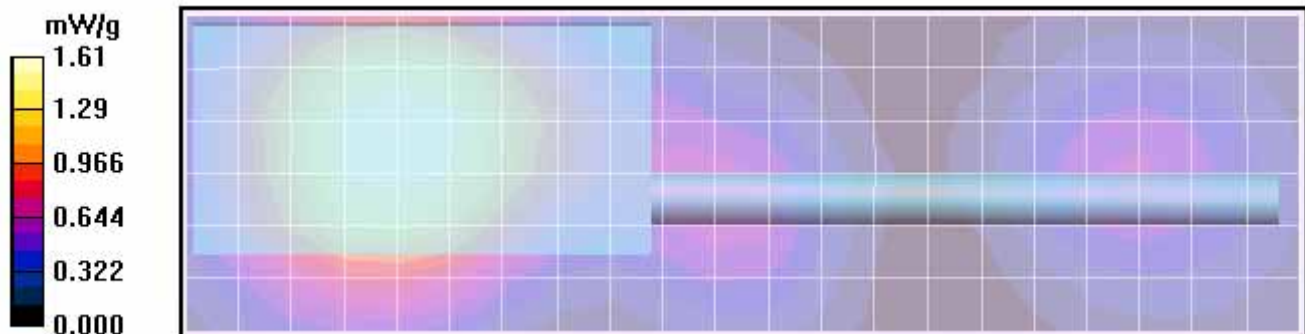
Reference Value = 37.1 V/m; Power Drift = -0.698 dB

Peak SAR (extrapolated) = 1.70 W/kg

Motorola Fast SAR: SAR(1 g) = 1.61 mW/g; SAR(10 g) = 1.14 mW/g

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

Maximum value of SAR (measured) = 1.61 mW/g

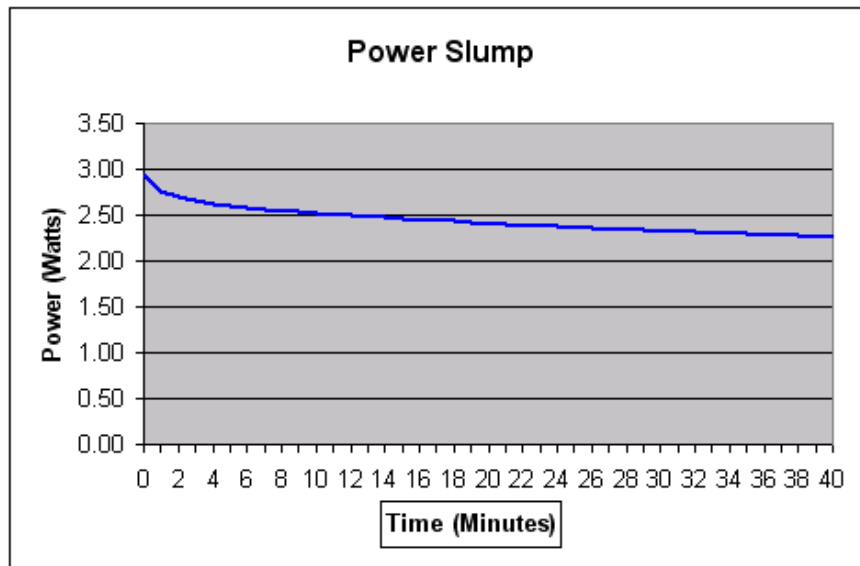


APPENDIX G
DUT Supplementary Data (Power slump)

Power Slump Model # : PMUF1413A**Serial # :** 777TKN0846**Battery:** PMNN4069A**Transmit Mode:** CW**Frequency** 899 MHz**Audio Accessory:** NA**Date:** 8/26/2009

Tx Time (Minutes)	Measure Power (Watts)
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0.0	2.95
1.0	2.76
2.0	2.69
3.0	2.65
4.0	2.62
5.0	2.60
6.0	2.58
7.0	2.56
8.0	2.55
9.0	2.53
10.0	2.52
11.0	2.50
12.0	2.49
13.0	2.48
14.0	2.47
15.0	2.46
16.0	2.45
17.0	2.44
18.0	2.43
19.0	2.42
20.0	2.41
21.0	2.40
22.0	2.39
23.0	2.38
24.0	2.37
25.0	2.36
26.0	2.36
27.0	2.35
28.0	2.34
29.0	2.34
30.0	2.33
31.0	2.32
32.0	2.31
33.0	2.30
34.0	2.30
35.0	2.29
36.0	2.29
37.0	2.28
38.0	2.27
39.0	2.27
40.0	2.26



Appendix H

DUT Test Position Photos

Photos available in Exhibit 7B

Appendix I

DUT and Body worn Accessory Photos

Photos available in Exhibit 7B