MOTOROLA

ACCREDITED
TESTING CERT # 2518.05

FCC ID: AZ489FT4885
DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 3 of 3

Government & Public Safety
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: 4/14/09
Report Revision: O
Report ID: SAR rpt_PMUE3325AAN_Rev O_090414_SR7161

Responsible Engineer:	Pei Loo Tey (EME Eng.)
Report Author:	Pei Loo, Tey (EME Eng.)
Date/s Tested:	3/19/09 – 3/25/09
Manufacturer/Location:	China
Sector/Group/Div.:	G&PS
Date submitted for test:	3/17/09
DUT Description:	LKP with channel knob 403-447MHz 4W 12.5/25kHz 16ch
Test TX mode(s):	CW
Max. Power output:	4.8 Watts
Nominal Power:	4.0 Watts
Tx Frequency Bands:	403-447 MHz
Signaling type:	FM
Model(s) Tested:	PMUE3325AAN
Model(s) Certified:	PMUE3325AAN
Serial Number(s):	1338KD0676, 1338KD0674
Classification:	Occupational/Controlled
Rule Part(s):	90

DUT Photo
(Refer to Exhibit 7B)

Approved Accessories:
Antenna(s):
NAE6483AR (403-520MHz, Whip, ¼ wave antenna, 0.0dBi); PMAE4016A (403-520MHz, Whip, ¼ wave antenna, 1.0dBi); PMAE4002A (403-433MHz, Stubby, ¼ wave antenna, -4.5dBi); PMAE4003A (430-470MHz, Stubby, ¼ wave antenna, -4.5dBi); PMAE4014A (403-425MHz, Whip, ¼ wave antenna, 1.0dBi).

Battery(ies):
PMNN4080A (LiIon High Capacity 2150mAH); PMNN4082B (NiMH-1300mAH); PMNN4081A (LiIon – 1500mAH)

Body worn accessory(ies):
HLN9844A (Spring Action Belt Clip – 2 inch); PMLN5334A (Protective Leather Case).

Audio/Data cable accessory(ies):
See section 3.0 for list of approved audio accessories.

Max. Calc. : 1-g Avg. SAR: 4.99 W/kg (Body); 10-g Avg. SAR: 3.58 W/kg (Body)
Max. Calc. : 1-g Avg. SAR: 4.00 W/kg (Face); 10-g Avg. SAR: 2.96 W/kg (Face)

The test results clearly demonstrate compliance with FCC Occupational/Controlled RF Exposure limits of 8W/kg 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 300GHz), Health Physics 74, 494-522 RF Exposure limits of 10W/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 2.0 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 G&PS EME Lab Senior Resource Manager, Laboratory Director

Approval Date: 4/14/2009

Certification Date: 4/14/2009

Certification No.: L1090404

Appendix J
SAR Plots for the Full Scans

1.0 SAR Plots for Antenna assessment at the Body

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Date/Time: 3/19/2009 9:49:25 AM

Robot # / Run #: DASY4-PG-1 / CcC(PS)-AB-090319-06
Phantom # / Tissue Temp: ELI4 1050 / 21.7 (C)
Model # / Serial#: PMUE3325AAN / 1338KD0676
Antenna / TX Freq: PMAE4003A / 438.5000 MHz
Battery: PMNN4080A
Carry Acc. / Cable Acc.: HLN9844A / PMMN4008A
Start power: 4.70 W

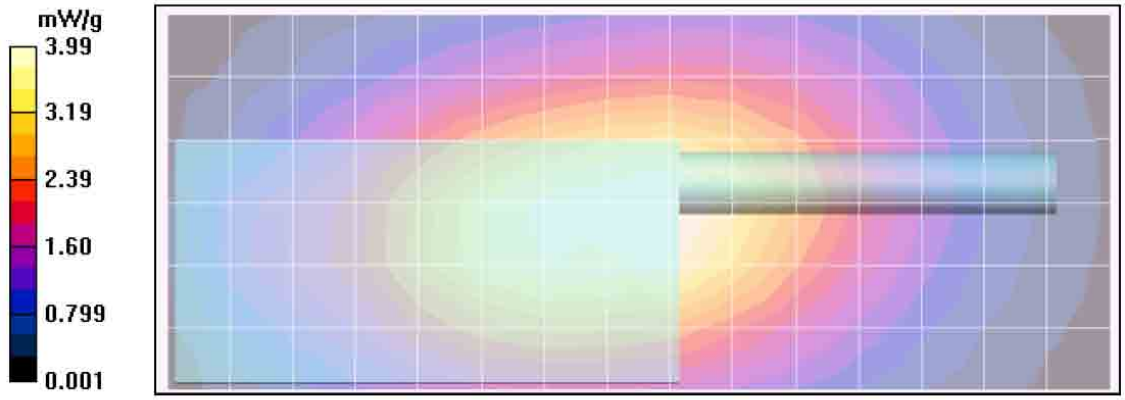
Comments: Full scan

Probe: ES3DV3 - SN3096, Calibrated: 12/18/2008, ConvF(6.97, 6.97, 6.97)
Electronics: DAE4 Sn684, Calibrated: 12/11/2008
Duty Cycle: 1:1, Medium parameters used: f = 425 MHz; σ = 0.92 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 67.7 V/m; Power Drift = -0.509 dB
Peak SAR (extrapolated) = 5.32 W/kg
SAR(1 g) = 3.8 mW/g; SAR(10 g) = 2.75 mW/g
Maximum value of SAR (measured) = 4.04 mW/g

Ab Scan/Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 67.7 V/m; Power Drift = -0.509 dB
Motorola Fast SAR: SAR(1 g) = 3.98 mW/g; SAR(10 g) = 2.91 mW/g
Maximum value of SAR (interpolated) = 4.22 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.99 mW/g



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Date/Time: 3/19/2009 10:25:23 AM

Robot # / Run #: DASY4-PG-1 / CcC(PS)-AB-090319-07
Phantom # / Tissue Temp: ELI4 1050 / 21.8 (C)
Model # / Serial#: PMUE3325AAN / 1338KD0676
Antenna / TX Freq: NAE6483AR / 425.0000 MHz
Battery: PMNN4080A
Carry Acc. / Cable Acc.: HLN9844A / PMMN4008A
Start power: 4.79 W

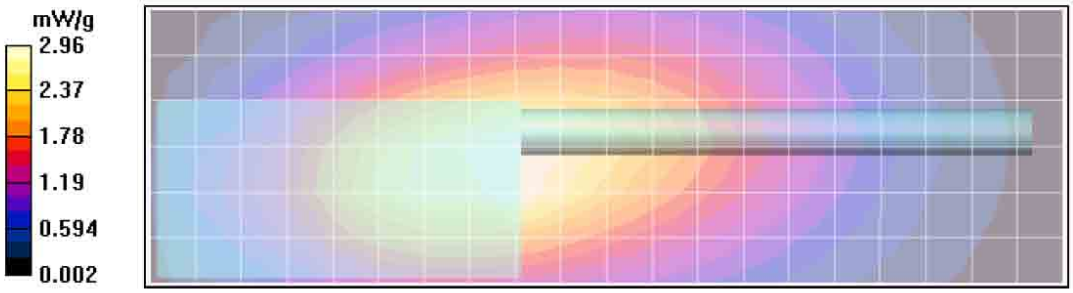
Comments: Full scan

Probe: ES3DV3 - SN3096, Calibrated: 12/18/2008, ConvF(6.97, 6.97, 6.97)
Electronics: DAE4 Sn684, Calibrated: 12/11/2008
Duty Cycle: 1:1, Medium parameters used: f = 425 MHz; σ = 0.92 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3

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 = -0.484 dB
Peak SAR (extrapolated) = 3.92 W/kg
SAR(1 g) = 2.81 mW/g; SAR(10 g) = 2.04 mW/g
Maximum value of SAR (measured) = 2.99 mW/g

Ab Scan/Area Scan (61x201x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 55.6 V/m; Power Drift = -0.484 dB
Motorola Fast SAR: SAR(1 g) = 2.93 mW/g; SAR(10 g) = 2.15 mW/g
Maximum value of SAR (interpolated) = 3.10 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.96 mW/g



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Date/Time: 3/19/2009 11:03:03 AM

Robot # / Run #: DASY4-PG-1 / CcC(PS)-AB-090319-08
Phantom # / Tissue Temp: ELI4 1050 / 21.7 (C)
Model # / Serial#: PMUE3325AAN / 1338KD0676
Antenna / TX Freq: PMAE4016A / 425.0000 MHz
Battery: PMNN4080A
Carry Acc. / Cable Acc.: HLN9844A / PMMN4008A
Start power: 4.76 W

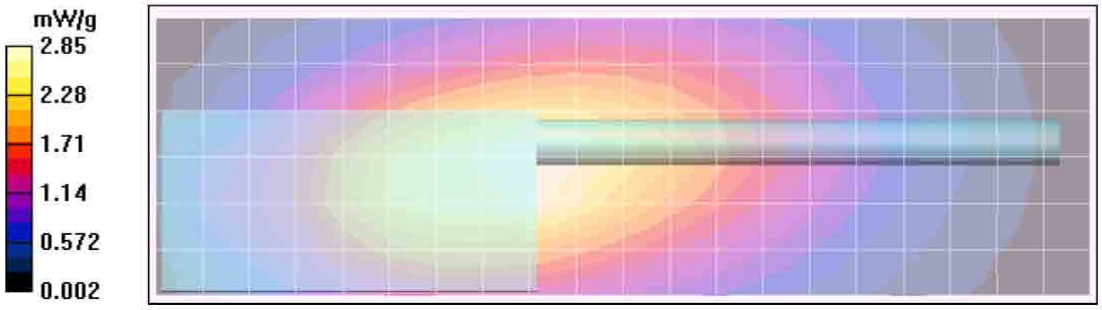
Comments: Full scan

Probe: ES3DV3 - SN3096, Calibrated: 12/18/2008, ConvF(6.97, 6.97, 6.97)
Electronics: DAE4 Sn684, Calibrated: 12/11/2008
Duty Cycle: 1:1, Medium parameters used: f = 425 MHz; σ = 0.92 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 54.8 V/m; Power Drift = -0.477 dB
Peak SAR (extrapolated) = 3.79 W/kg
SAR(1 g) = 2.72 mW/g; SAR(10 g) = 1.97 mW/g
Maximum value of SAR (measured) = 2.88 mW/g

Ab Scan/Area Scan (61x201x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 54.8 V/m; Power Drift = -0.477 dB
Motorola Fast SAR: SAR(1 g) = 2.81 mW/g; SAR(10 g) = 2.07 mW/g
Maximum value of SAR (interpolated) = 2.97 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.85 mW/g



Motorola Government & Public Safety EME Laboratory

Date/Time: 3/19/2009 12:35:13 PM

Robot # / Run #: DASY4-PG-1 / CcC(PS)-AB-090319-09
Phantom # / Tissue Temp: ELI4 1050 / 21.7 (C)
Model # / Serial#: PMUE3325AAN / 1338KD0676
Antenna / TX Freq: PMAE4014A / 414.0000 MHz
Battery: PMNN4080A
Carry Acc. / Cable Acc.: HLN9844A / PMMN4008A
Start power: 4.78 W

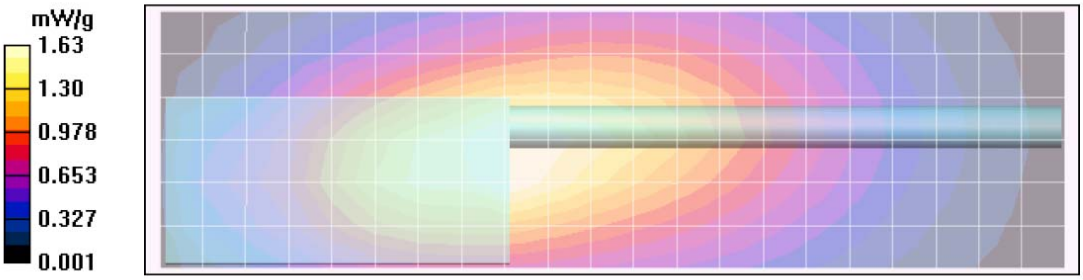
Comments: Full scan

Probe: ES3DV3 - SN3096, Calibrated: 12/18/2008, ConvF(6.97, 6.97, 6.97)
Electronics: DAE4 Sn684, Calibrated: 12/11/2008
Duty Cycle: 1:1, Medium parameters used: f = 425 MHz; σ = 0.92 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 41.9 V/m; Power Drift = -0.408 dB
Peak SAR (extrapolated) = 2.18 W/kg
SAR(1 g) = 1.57 mW/g; SAR(10 g) = 1.14 mW/g
Maximum value of SAR (measured) = 1.66 mW/g

Ab Scan/Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 41.9 V/m; Power Drift = -0.408 dB
Motorola Fast SAR: SAR(1 g) = 1.62 mW/g; SAR(10 g) = 1.2 mW/g
Maximum value of SAR (interpolated) = 1.72 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.63 mW/g



Motorola Government & Public Safety EME Laboratory
Date/Time: 3/19/2009 1:06:06 PM

Robot # / Run #: DASY4-PG-1 / CcC(PS)-AB-090319-10
Phantom # / Tissue Temp: ELI4 1050 / 21.7 (C)
Model # / Serial#: PMUE3325AAN / 1338KD0676
Antenna / TX Freq: PMAE4002A / 418.0000 MHz
Battery: PMNN4080A
Carry Acc. / Cable Acc.: HLN9844A / PMMN4008A
Start power: 4.86 W

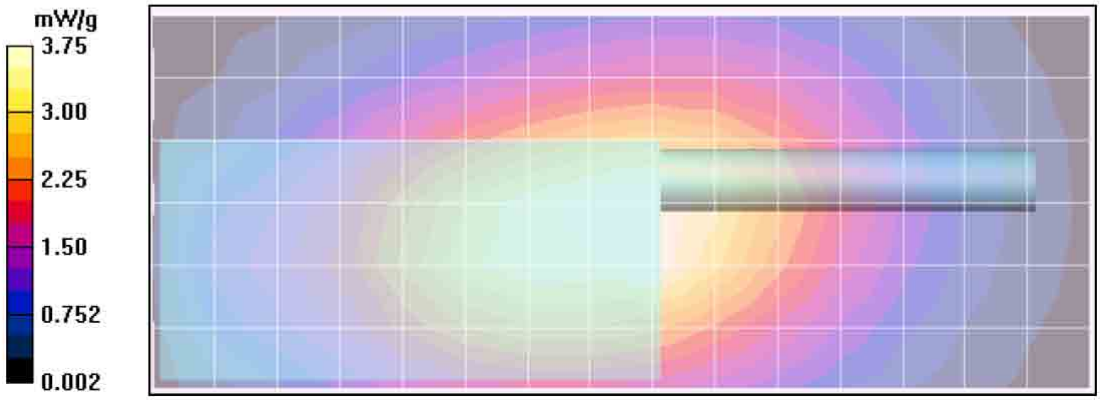
Comments: Full scan

Probe: ES3DV3 - SN3096, Calibrated: 12/18/2008, ConvF(6.97, 6.97, 6.97)
Electronics: DAE4 Sn684, Calibrated: 12/11/2008
Duty Cycle: 1:1, Medium parameters used: f = 425 MHz; σ = 0.92 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 64.2 V/m; Power Drift = -0.470 dB
Peak SAR (extrapolated) = 5.02 W/kg
SAR(1 g) = 3.6 mW/g; SAR(10 g) = 2.6 mW/g
Maximum value of SAR (measured) = 3.81 mW/g

Ab Scan/Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 64.2 V/m; Power Drift = -0.470 dB
Motorola Fast SAR: SAR(1 g) = 3.71 mW/g; SAR(10 g) = 2.72 mW/g
Maximum value of SAR (interpolated) = 3.93 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.75 mW/g



2.0 SAR Plots for Battery assessment at the Body

Motorola Government & Public Safety EME Laboratory

Date/Time: 3/19/2009 9:49:25 AM

Robot # / Run #: DASY4-PG-1 / CcC(PS)-AB-090319-06
Phantom # / Tissue Temp: ELI4 1050 / 21.7 (C)
Model # / Serial#: PMUE3325AAN / 1338KD0676
Antenna / TX Freq: PMAE4003A / 438.5000 MHz
Battery: PMNN4080A
Carry Acc. / Cable Acc.: HLN9844A / PMMN4008A
Start power: 4.70 W

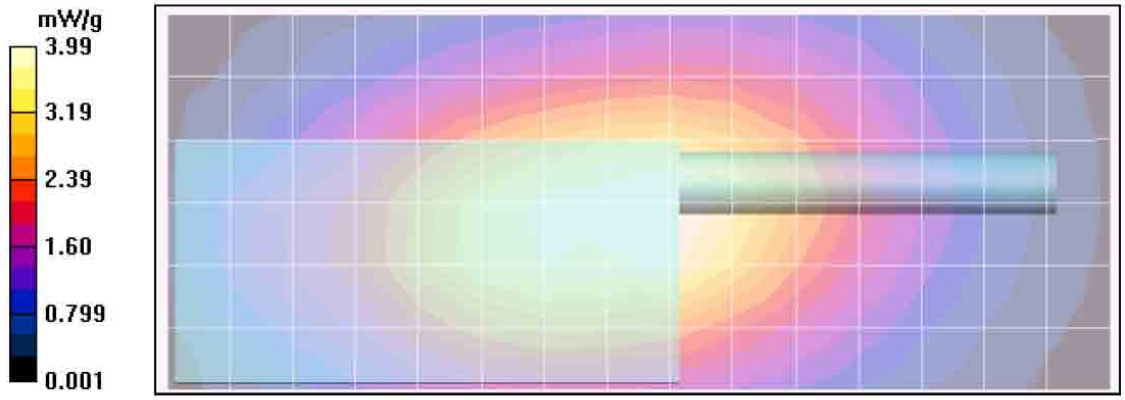
Comments: Full scan

Probe: ES3DV3 - SN3096, Calibrated: 12/18/2008, ConvF(6.97, 6.97, 6.97)
Electronics: DAE4 Sn684, Calibrated: 12/11/2008
Duty Cycle: 1:1, Medium parameters used: f = 425 MHz; σ = 0.92 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 67.7 V/m; Power Drift = -0.509 dB
Peak SAR (extrapolated) = 5.32 W/kg
SAR(1 g) = 3.8 mW/g; SAR(10 g) = 2.75 mW/g
Maximum value of SAR (measured) = 4.04 mW/g

Ab Scan/Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 67.7 V/m; Power Drift = -0.509 dB
Motorola Fast SAR: SAR(1 g) = 3.98 mW/g; SAR(10 g) = 2.91 mW/g
Maximum value of SAR (interpolated) = 4.22 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.99 mW/g



Motorola Government & Public Safety EME Laboratory

Date/Time: 3/19/2009 1:37:47 PM

Robot # / Run #: DASY4-PG-1 / CcC(PS)-AB-090319-11
Phantom # / Tissue Temp: ELI4 1050 / 21.5 (C)
Model # / Serial#: PMUE3325AAN / 1338KD0676
Antenna / TX Freq: PMAE4003A / 438.5000 MHz
Battery: PMNN4081A
Carry Acc. / Cable Acc.: HLN9844A / PMMN4008A
Start power: 4.69 W

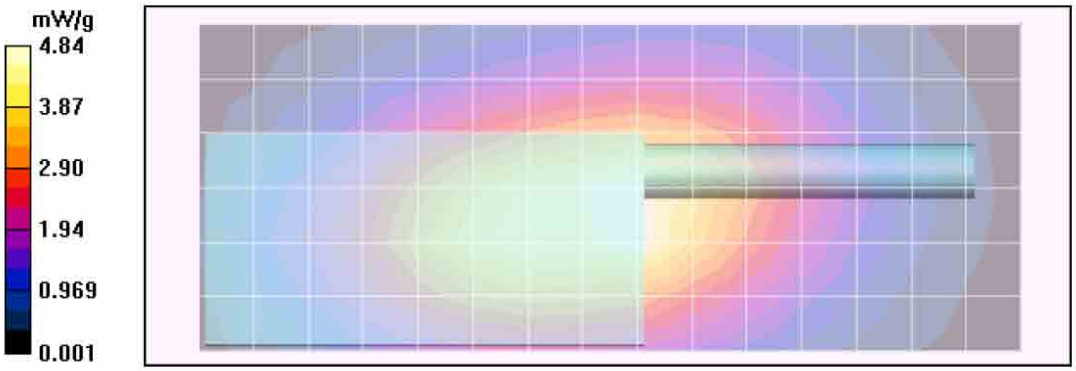
Comments: Full scan

Probe: ES3DV3 - SN3096, Calibrated: 12/18/2008, ConvF(6.97, 6.97, 6.97)
Electronics: DAE4 Sn684, Calibrated: 12/11/2008
Duty Cycle: 1:1, Medium parameters used: f = 425 MHz; σ = 0.92 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 71.4 V/m; Power Drift = -0.491 dB
Peak SAR (extrapolated) = 6.64 W/kg
SAR(1 g) = 4.6 mW/g; SAR(10 g) = 3.25 mW/g
Maximum value of SAR (measured) = 4.91 mW/g

Ab Scan/Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 71.4 V/m; Power Drift = -0.491 dB
Motorola Fast SAR: SAR(1 g) = 4.75 mW/g; SAR(10 g) = 3.45 mW/g
Maximum value of SAR (interpolated) = 5.05 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 Government & Public Safety EME Laboratory
Date/Time: 3/19/2009 2:14:23 PM

Robot # / Run #: DASY4-PG-1 / Vee-AB-090319-12
Phantom # / Tissue Temp: ELI4 1050 / 21.7 (C)
Model # / Serial#: PMUE3325AAN / 1338KD0676
Antenna / TX Freq: PMAE4003A / 438.5000 MHz
Battery: PMNN4082B
Carry Acc. / Cable Acc.: HLN9844A / PMMN4008A
Start power: 4.72 W

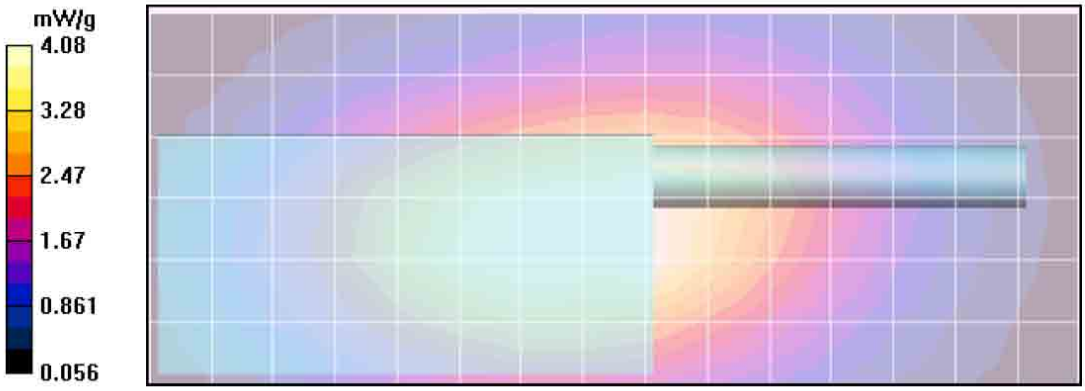
Comments: Full scan

Probe: ES3DV3 - SN3096, Calibrated: 12/18/2008, ConvF(6.97, 6.97, 6.97)
Electronics: DAE4 Sn684, Calibrated: 12/11/2008
Duty Cycle: 1:1, Medium parameters used: f = 425 MHz; σ = 0.92 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 67.8 V/m; Power Drift = -0.61 dB
Peak SAR (extrapolated) = 5.53 W/kg
SAR(1 g) = 3.93 mW/g; SAR(10 g) = 2.83 mW/g
Maximum value of SAR (measured) = 4.18 mW/g

Ab Scan/Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 67.8 V/m; Power Drift = -0.610 dB
Motorola Fast SAR: SAR(1 g) = 4.03 mW/g; SAR(10 g) = 2.95 mW/g
Maximum value of SAR (interpolated) = 4.27 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 4.13 mW/g



3.0 SAR Plots for Body-worn accessory assessment at the Body

Motorola Government & Public Safety EME Laboratory

Date/Time: 3/19/2009 1:37:47 PM

Robot # / Run #: DASY4-PG-1 / CcC(PS)-AB-090319-11
Phantom # / Tissue Temp: ELI4 1050 / 21.5 (C)
Model # / Serial#: PMUE3325AAN / 1338KD0676
Antenna / TX Freq: PMAE4003A / 438.5000 MHz
Battery: PMNN4081A
Carry Acc. / Cable Acc.: HLN9844A / PMMN4008A
Start power: 4.69 W

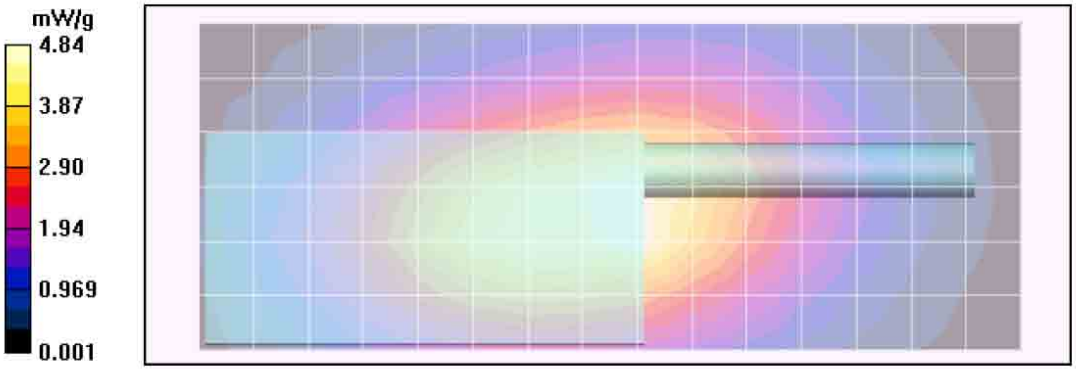
Comments: Full scan

Probe: ES3DV3 - SN3096, Calibrated: 12/18/2008, ConvF(6.97, 6.97, 6.97)
Electronics: DAE4 Sn684, Calibrated: 12/11/2008
Duty Cycle: 1:1, Medium parameters used: f = 425 MHz; σ = 0.92 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 71.4 V/m; Power Drift = -0.491 dB
Peak SAR (extrapolated) = 6.64 W/kg
SAR(1 g) = 4.6 mW/g; SAR(10 g) = 3.25 mW/g
Maximum value of SAR (measured) = 4.91 mW/g

Ab Scan/Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 71.4 V/m; Power Drift = -0.491 dB
Motorola Fast SAR: SAR(1 g) = 4.75 mW/g; SAR(10 g) = 3.45 mW/g
Maximum value of SAR (interpolated) = 5.05 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 Government & Public Safety EME Laboratory

Date/Time: 3/19/2009 2:47:41 PM

Robot # / Run #: DASY4-PG-1 / Vee-AB-090319-13
Phantom # / Tissue Temp: ELI4 1050 / 21.5 (C)
Model # / Serial#: PMUE3325AAN / 1338KD0676
Antenna / TX Freq: PMAE4003A / 438.5000 MHz
Battery: PMNN4081A
Carry Acc. / Cable Acc.: PMLN5334A w HLN9844A / PMMN4008A
Start power: 4.68 W

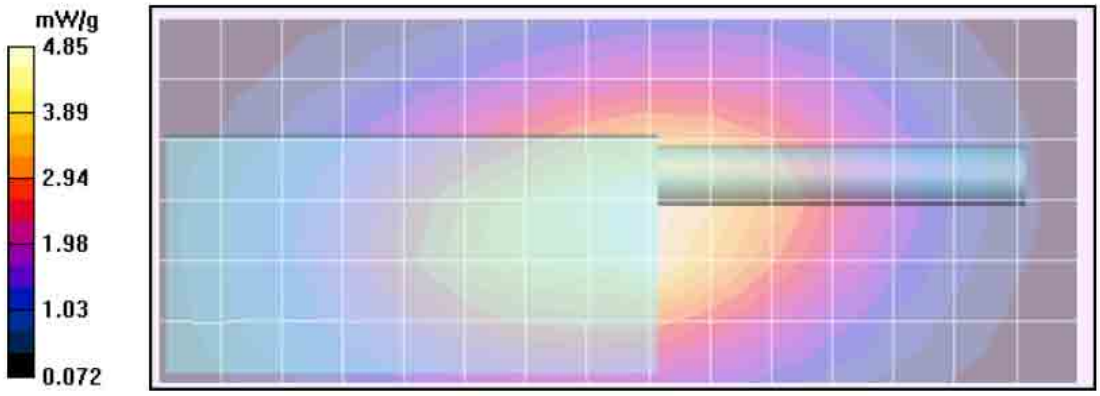
Comments: Full scan

Probe: ES3DV3 - SN3096, Calibrated: 12/18/2008, ConvF(6.97, 6.97, 6.97)
Electronics: DAE4 Sn684, Calibrated: 12/11/2008
Duty Cycle: 1:1, Medium parameters used: f = 425 MHz; σ = 0.92 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 72.2 V/m; Power Drift = -0.431 dB
Peak SAR (extrapolated) = 6.48 W/kg
SAR(1 g) = 4.57 mW/g; SAR(10 g) = 3.24 mW/g
Maximum value of SAR (measured) = 4.85 mW/g

Ab Scan/Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 72.2 V/m; Power Drift = -0.431 dB
Motorola Fast SAR: SAR(1 g) = 4.7 mW/g; SAR(10 g) = 3.42 mW/g
Maximum value of SAR (interpolated) = 4.98 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 4.78 mW/g



4.0 SAR Plots for Audio accessory assessment at the Body

Motorola Government & Public Safety EME Laboratory

Date/Time: 3/19/2009 1:37:47 PM

Robot # / Run #: DASY4-PG-1 / CcC(PS)-AB-090319-11
Phantom # / Tissue Temp: ELI4 1050 / 21.5 (C)
Model # / Serial#: PMUE3325AAN / 1338KD0676
Antenna / TX Freq: PMAE4003A / 438.5000 MHz
Battery: PMNN4081A
Carry Acc. / Cable Acc.: HLN9844A / PMMN4008A
Start power: 4.69 W

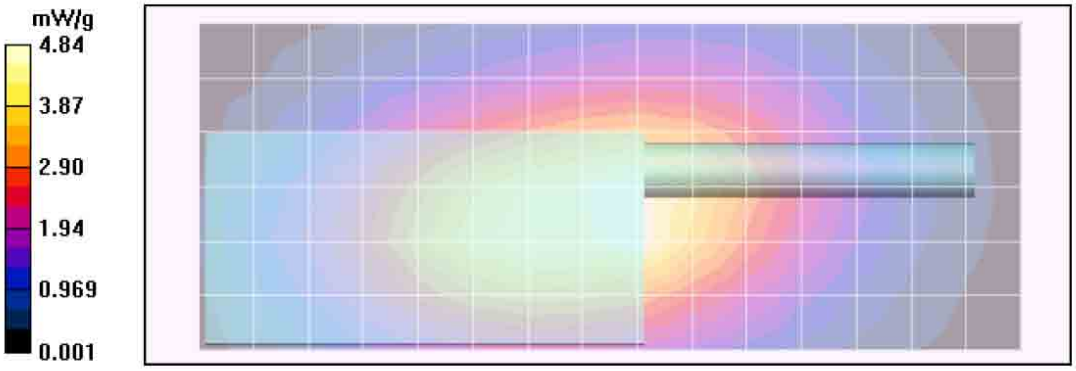
Comments: Full scan

Probe: ES3DV3 - SN3096, Calibrated: 12/18/2008, ConvF(6.97, 6.97, 6.97)
Electronics: DAE4 Sn684, Calibrated: 12/11/2008
Duty Cycle: 1:1, Medium parameters used: f = 425 MHz; σ = 0.92 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 71.4 V/m; Power Drift = -0.491 dB
Peak SAR (extrapolated) = 6.64 W/kg
SAR(1 g) = 4.6 mW/g; SAR(10 g) = 3.25 mW/g
Maximum value of SAR (measured) = 4.91 mW/g

Ab Scan/Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 71.4 V/m; Power Drift = -0.491 dB
Motorola Fast SAR: SAR(1 g) = 4.75 mW/g; SAR(10 g) = 3.45 mW/g
Maximum value of SAR (interpolated) = 5.05 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



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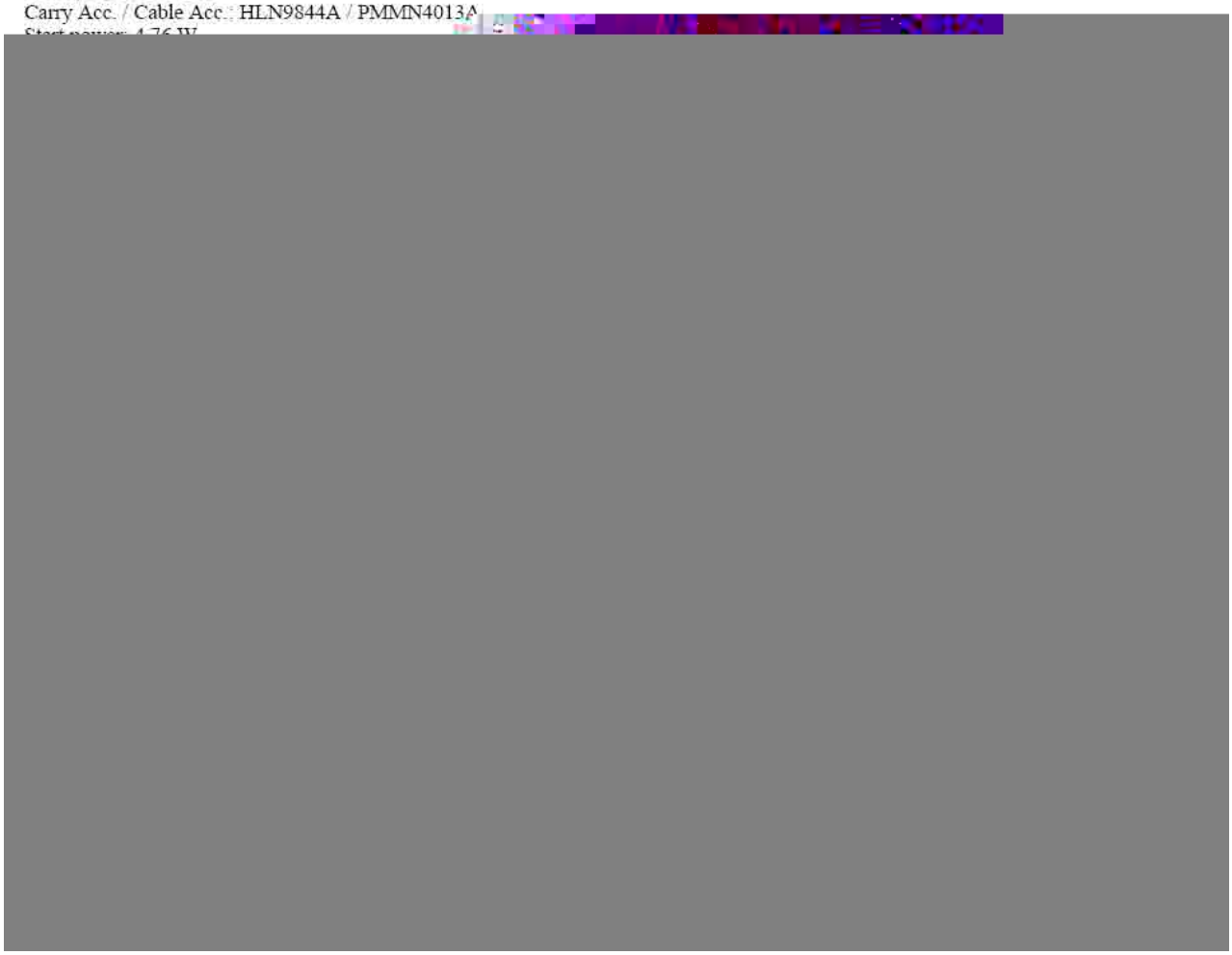
Date/Time: 3/19/2009 3:21:17 PM

Robot # / Run #: DASY4-PG-1 / Vee-AB-090319-14
Phantom # / Tissue Temp: ELI4 1050 / 21.8 (C)
Model # / Serial#: PMUE3325AAN / 1338KD0676
Antenna / TX Freq: PMAE4003A / 438.5000 MHz
Battery: PMNN4081A
Carry Acc. / Cable Acc.: HLN9844A / PMMN4013A
Start power: 4.76 W



Motorola Government & Public Safety EME Laboratory

Date/Time: 3/23/2009 11:17:39 AM

Robot # / Run #: DASY4-PG-1 / Vee(PS)-FACE-090323-06
Phantom # / Tissue Temp: ELI4 1037 / 21.8 (C)
Model # / Serial#: PMUE3325AAN / 1338KD0676
Antenna / TX Freq: PMAE4016A / 425.0000 MHz
Battery: PMNN4081A
Carry Acc. / Cable Acc.: NONE / NONE
Start power: 4.69 W

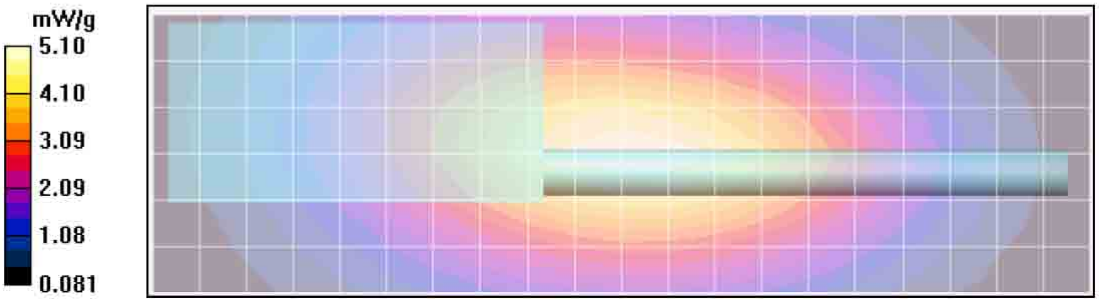
Comments: Full scan

Probe: ES3DV3 - SN3096, Calibrated: 12/18/2008, ConvF(6.48, 6.48, 6.48)
Electronics: DAE4 Sn684, Calibrated: 12/11/2008
Duty Cycle: 1:1, Medium parameters used: f = 425 MHz; σ = 0.84 mho/m; ε_r = 44.6; ρ = 1000 kg/m^3

Face Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 79.7 V/m; Power Drift = -0.409 dB
Peak SAR (extrapolated) = 6.24 W/kg
SAR(1 g) = 4.67 mW/g; SAR(10 g) = 3.43 mW/g
Maximum value of SAR (measured) = 4.92 mW/g

Face Scan/Area Scan (61x201x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 79.7 V/m; Power Drift = -0.319 dB
Motorola Fast SAR: SAR(1 g) = 4.86 mW/g; SAR(10 g) = 3.59 mW/g
Maximum value of SAR (interpolated) = 5.11 mW/g

Face Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 4.87 mW/g



Motorola Government & Public Safety EME Laboratory
Date/Time: 3/23/2009 11:53:09 AM

Robot # / Run #: DASY4-PG-1 / Vee(PS)-FACE-090323-07
Phantom # / Tissue Temp: ELI4 1037 / 21.6 (C)
Model # / Serial#: PMUE3325AAN / 1338KD0676
Antenna / TX Freq: PMAE4014A / 414.0000 MHz
Battery: PMNN4081A
Carry Acc. / Cable Acc.: NONE / NONE
Start power: 4.58 W

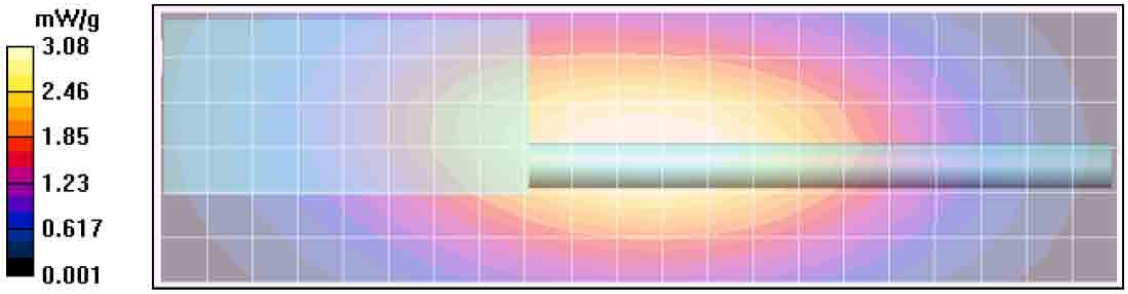
Comments: Full scan

Probe: ES3DV3 - SN3096, Calibrated: 12/18/2008, ConvF(6.48, 6.48, 6.48)
Electronics: DAE4 Sn684, Calibrated: 12/11/2008
Duty Cycle: 1:1, Medium parameters used: f = 425 MHz; σ = 0.84 mho/m; ε_r = 44.6; ρ = 1000 kg/m^3

Face Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 63.3 V/m; Power Drift = -0.345 dB
Peak SAR (extrapolated) = 3.92 W/kg
SAR(1 g) = 2.95 mW/g; SAR(10 g) = 2.18 mW/g
Maximum value of SAR (measured) = 3.11 mW/g

Face Scan/Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 63.3 V/m; Power Drift = -0.267 dB
Motorola Fast SAR: SAR(1 g) = 3.08 mW/g; SAR(10 g) = 2.28 mW/g
Maximum value of SAR (interpolated) = 3.24 mW/g

Face Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.08 mW/g



Motorola Government & Public Safety EME Laboratory
Date/Time: 3/23/2009 12:40:37 PM

Robot # / Run #: DASY4-PG-1 / Vee(PS)-FACE-090323-08
Phantom # / Tissue Temp: ELI4 1037 / 21.8 (C)
Model # / Serial#: PMUE3325AAN / 1338KD0676
Antenna / TX Freq: PMAE4002A / 418.0000 MHz
Battery: PMNN4081A
Carry Acc. / Cable Acc.: NONE / NONE
Start power: 4.67 W

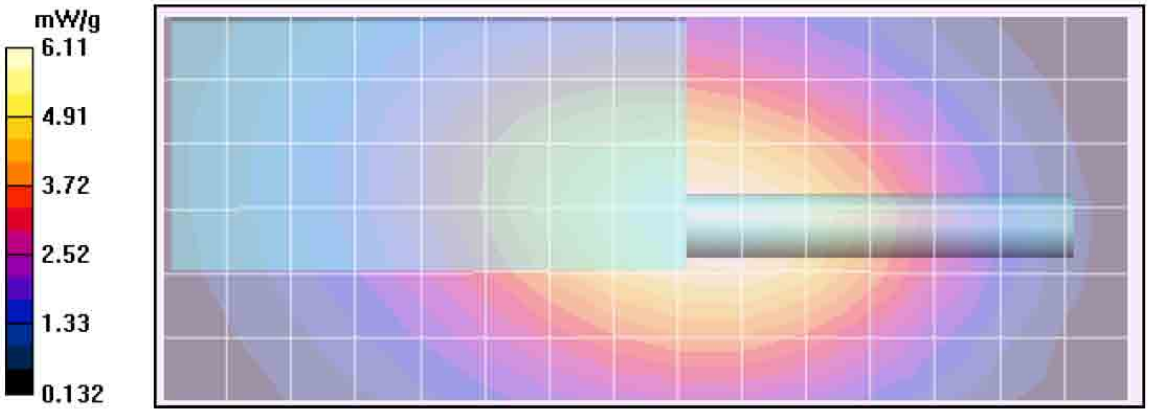
Comments: Full scan

Probe: ES3DV3 - SN3096, Calibrated: 12/18/2008, ConvF(6.48, 6.48, 6.48)
Electronics: DAE4 Sn684, Calibrated: 12/11/2008
Duty Cycle: 1:1, Medium parameters used: f = 425 MHz; σ = 0.84 mho/m; ε_r = 44.6; ρ = 1000 kg/m^3

Face Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 89.6 V/m; Power Drift = -0.550 dB
Peak SAR (extrapolated) = 7.50 W/kg
SAR(1 g) = 5.64 mW/g; SAR(10 g) = 4.16 mW/g
Maximum value of SAR (measured) = 5.94 mW/g

Face Scan/Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 89.6 V/m; Power Drift = -0.418 dB
Motorola Fast SAR: SAR(1 g) = 5.91 mW/g; SAR(10 g) = 4.38 mW/g
Maximum value of SAR (interpolated) = 6.21 mW/g

Face Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 5.85 mW/g



Motorola Government & Public Safety EME Laboratory

Date/Time: 3/23/2009 1:11:43 PM

Robot # / Run #: DASY4-PG-1 / Vee(PS)-FACE-090323-09
Phantom # / Tissue Temp: ELI4 1037 / 21.8 (C)
Model # / Serial#: PMUE3325AAN / 1338KD0676
Antenna / TX Freq: PMAE4003A / 438.5000 MHz
Battery: PMNN4081A
Carry Acc. / Cable Acc.: NONE / NONE
Start power: 4.74 W

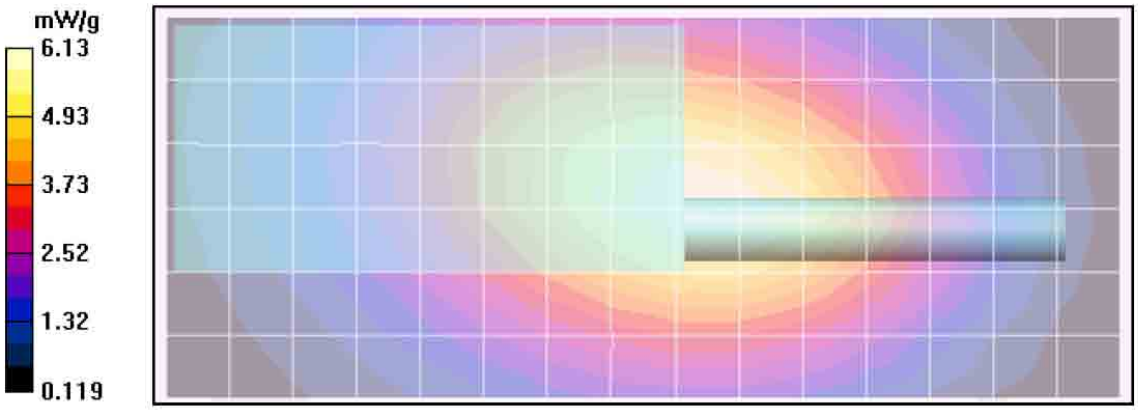
Comments: Full scan

Probe: ES3DV3 - SN3096, Calibrated: 12/18/2008, ConvF(6.48, 6.48, 6.48)
Electronics: DAE4 Sn684, Calibrated: 12/11/2008
Duty Cycle: 1:1, Medium parameters used: f = 425 MHz; σ = 0.84 mho/m; ε_r = 44.6; ρ = 1000 kg/m^3

Face Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 87.8 V/m; Power Drift = -0.550 dB
Peak SAR (extrapolated) = 7.49 W/kg
SAR(1 g) = 5.63 mW/g; SAR(10 g) = 4.14 mW/g
Maximum value of SAR (measured) = 5.93 mW/g

Face Scan/Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 87.8 V/m; Power Drift = -0.412 dB
Motorola Fast SAR: SAR(1 g) = 5.89 mW/g; SAR(10 g) = 4.35 mW/g
Maximum value of SAR (interpolated) = 6.19 mW/g

Face Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 5.84 mW/g



6.0 Battery assessment at the Face

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Date/Time: 3/23/2009 12:40:37 PM

Robot # / Run #: DASY4-PG-1 / Vee(PS)-FACE-090323-08
Phantom # / Tissue Temp: ELI4 1037 / 21.8 (C)
Model # / Serial#: PMUE3325AAN / 1338KD0676
Antenna / TX Freq: PMAE4002A / 418.0000 MHz
Battery: PMNN4081A
Carry Acc. / Cable Acc.: NONE / NONE
Start power: 4.67 W

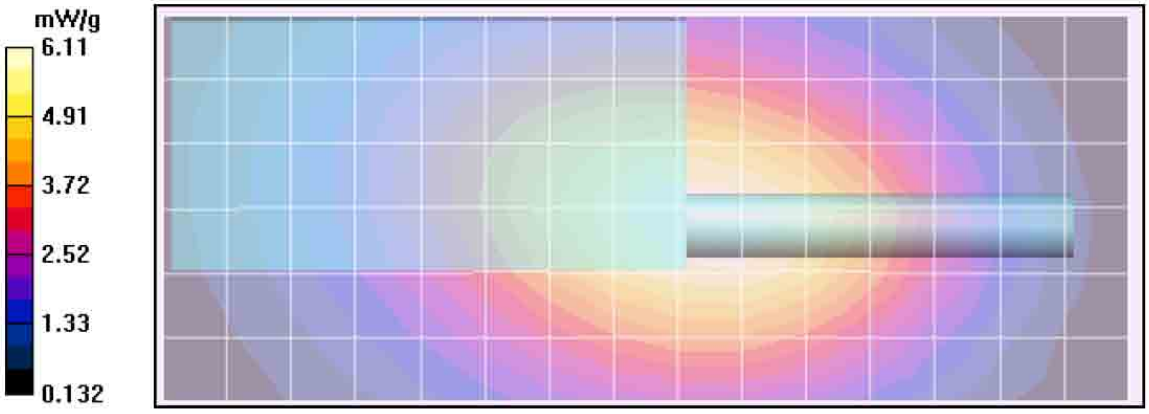
Comments: Full scan

Probe: ES3DV3 - SN3096, Calibrated: 12/18/2008, ConvF(6.48, 6.48, 6.48)
Electronics: DAE4 Sn684, Calibrated: 12/11/2008
Duty Cycle: 1:1, Medium parameters used: f = 425 MHz; σ = 0.84 mho/m; ε_r = 44.6; ρ = 1000 kg/m^3

Face Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 89.6 V/m; Power Drift = -0.550 dB
Peak SAR (extrapolated) = 7.50 W/kg
SAR(1 g) = 5.64 mW/g; SAR(10 g) = 4.16 mW/g
Maximum value of SAR (measured) = 5.94 mW/g

Face Scan/Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 89.6 V/m; Power Drift = -0.418 dB
Motorola Fast SAR: SAR(1 g) = 5.91 mW/g; SAR(10 g) = 4.38 mW/g
Maximum value of SAR (interpolated) = 6.21 mW/g

Face Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 5.85 mW/g



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Date/Time: 3/23/2009 1:39:48 PM

Robot # / Run #: DASY4-PG-1 / Vee(PS)-FACE-090323-10
Phantom # / Tissue Temp: ELI4 1037 / 21.7 (C)
Model # / Serial#: PMUE3325AAN / 1338KD0676
Antenna / TX Freq: PMAE4002A / 418.0000 MHz
Battery: PMNN4080A
Carry Acc. / Cable Acc.: NONE / NONE
Start power: 4.80 W

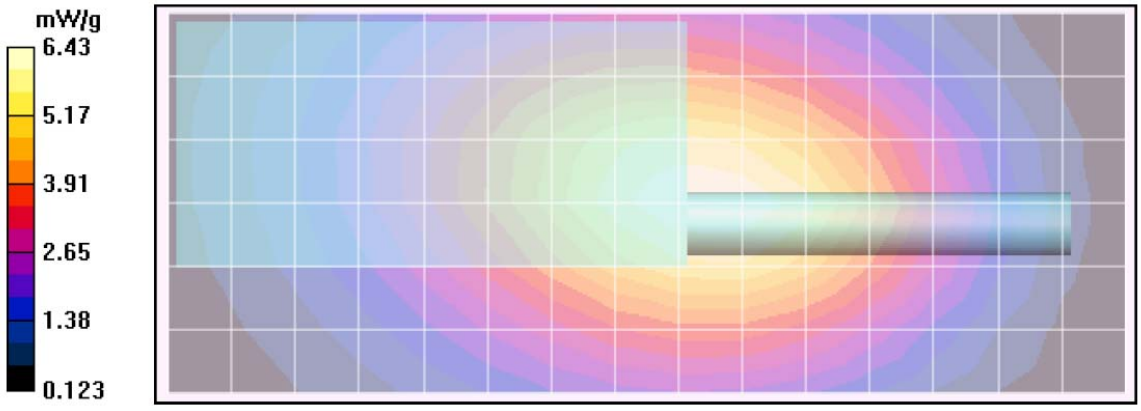
Comments: Full scan

Probe: ES3DV3 - SN3096, Calibrated: 12/18/2008, ConvF(6.48, 6.48, 6.48)
Electronics: DAE4 Sn684, Calibrated: 12/11/2008
Duty Cycle: 1:1, Medium parameters used: f = 425 MHz; σ = 0.84 mho/m; ε_r = 44.6; ρ = 1000 kg/m^3

Face Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 88.1 V/m; Power Drift = -0.539 dB
Peak SAR (extrapolated) = 7.78 W/kg
SAR(1 g) = 5.86 mW/g; SAR(10 g) = 4.32 mW/g
Maximum value of SAR (measured) = 6.16 mW/g

Face Scan/Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 88.1 V/m; Power Drift = -0.393 dB
Motorola Fast SAR: SAR(1 g) = 6.17 mW/g; SAR(10 g) = 4.57 mW/g
Maximum value of SAR (interpolated) = 6.49 mW/g

Face Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 6.09 mW/g



Motorola Government & Public Safety EME Laboratory

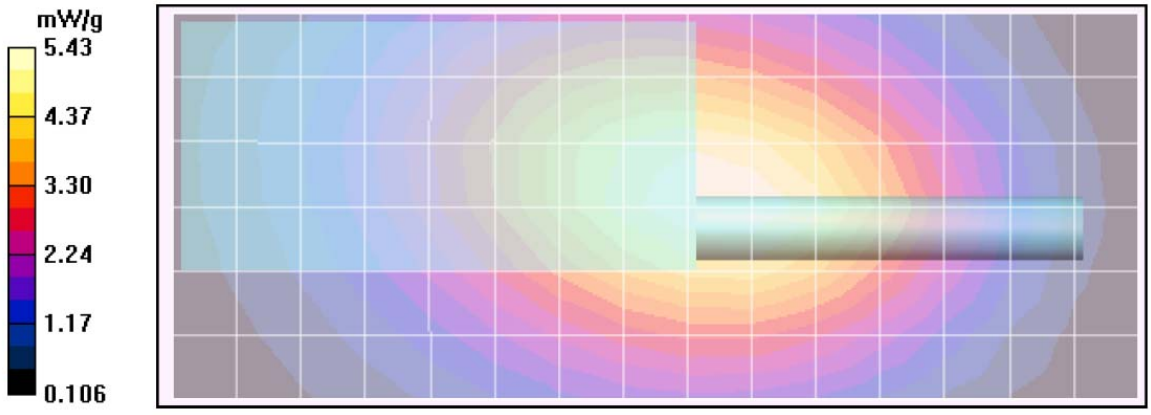
Date/Time: 3/23/2009 2:14:21 PM

Robot # / Run #: DASY4-PG-1 / Vee(PS)-FACE-090323-11
Phantom # / Tissue Temp: ELI4 1037 / 21.8 (C)
Model # / Serial#: PMUE3325AAN / 1338KD0676
Antenna / TX Freq: PMAE4002A / 418.0000 MHz
Battery: PMNN4082B
Carry Acc. / Cable Acc.: NONE / NONE
Start power: 4.80 W

Comments: Full scan

Probe: ES3DV3 - SN3096, Calibrated: 12/18/2008, ConvF(6.48, 6.48, 6.48)
Electronics: DAE4 Sn684, Calibrated: 12/11/2008
Duty Cycle: 1:1, Medium parameters used: f = 425 MHz; σ = 0.84 mho/m; ε_r = 44.6; ρ = 1000 kg/m^3

Face Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 82.5 V/m; Power Drift = -0.614 dB
Peak SAR (extrapolated) = 6.74 W/kg
SAR(1 g) = 5.07 mW/g; SAR(10 g) = 3.75 mW/g
Maximum value of SAR (measured) = 5.34 mW/g

Face Scan/Area Scan (61x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 82.5 V/m; Power Drift = -0.560 dB
Motorola Fast SAR: SAR(1 g) = 5.24 mW/g; SAR(10 g) = 3.88 mW/g
Maximum value of SAR (interpolated) = 5.50 mW/g

Face Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 5.31 mW/g