



MOTOROLA



TESTING CERT # 2518.01

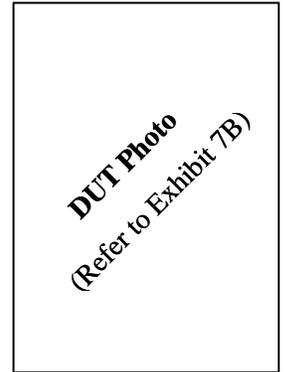
FCC ID: AZ489FT4893

DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2

Enterprise Mobility Solutions
EME Test Laboratory
 8000 West Sunrise Blvd
 Fort Lauderdale, FL. 33322.

Date of Report: 3/12/10
Report Revision: 0
Report ID: SAR rpt_H97TGD9PW1AN (With
 QA00570AA and QA00576AA)_Rev
 O_100312_SR8103

Responsible Engineer: Kim Uong (Principal Staff Eng.)
Report Author: Kim Uong (Principal Staff Eng.)
Date/s Tested: 2/18/10 – 3/9/10
Manufacturer/Location: Penang
Sector/Group/Div.: EMS
Date submitted for test: 2/19/10
DUT Description: 450-520 MHz 1-5W, 136-174 MHz 1-6W, 6.25K/12.5K/25K,
 Basic Top Display Model W/GPS. Capable of digital and analog
 FM transmission. Also capable of TDMA transmission
Test TX mode(s): CW
Max. Power output: 5.6W (UHF R2), 6.6W (VHF)
Nominal Power: 5.0W (UHF R2), 6.0W (VHF)
Tx Frequency Bands: 450-520 MHz(UHF R2) & 136-174 MHz(VHF)
Signaling type: FM and TDMA
Model(s) Tested: H97TGD9PW1AN (with QA00570AA and QA00576AA)
Model(s) Certified: H97TGD9PW1AN (with QA00570AA and QA00576AA)
Serial Number(s): Q0PLT00M
Classification: Occupational/Controlled
Rule Part(s): 90 (450-512MHz, 150.8-173.4MHz)



Max. Calc. : 1-g Avg. SAR: 6.00 W/kg (Body); 10-g Avg. SAR: 3.62 W/kg (Body)
Max. Calc. : 1-g Avg. SAR: 2.78 W/kg (Face); 10-g Avg. SAR: 2.09 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 10 grams result is not applicable to FCC filing. The test results clearly demonstrate compliance with ICNIRP (1998) Guidelines for limiting exposure in time-varying electric, magnetic, and electromagnetic fields (up to 300 GHz), Health Physics 74, 494-522 RF Exposure limits of 10 W/kg averaged over 10grams of contiguous tissue.

Based on the information and the testing results provided herein, the undersigned certifies that when used as stated in the operating instructions supplied, said product complies with the national and international reference standards and guidelines listed in section 3.0 of this report. This report shall not be reproduced without written approval from an officially designated representative of the Motorola 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 – Stephen Whalen for Deanna Zakharia
Deanna Zakharia
EMS EME Lab Senior Resource Manager,
Laboratory Director

Approval Date: 3/12/2010

Certification Date:

Certification No.:

Appendix D Test System Verification Scans

The SAR result indicated on the Manufacture's Calibrated certificates for dipoles D450V2 S/N 1002 and D300V2 S/N 1001 were not used due to the following:

-- The IEEE1528-2003 and the FCC OET-65 Supplement C, System Verification section indicated that "The measured 1-g SAR should be within 10% of the expected target values specified for the specific phantom and RF source used in the system verification measurement."

-- SPEAG calibration certificate indicates that the allowed tolerance for this dipole is higher than +/-10% (e.g. 5.03 +/-18.1% at k=2 for the D450V2 S/N 1002 and 2.95 +/-18.1% at k=2 for the D300V2 S/N 1001).

-- The allowed tolerance for the probes is also higher than +/- 10% (e.g. 13.3% at k=2 at 450MHz and 18.0% at k=2 at 300MHz for the probe being used to assess this product).

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

- The System Validation was conducted per IEEE1528-2003 and the latest draft of IEC62209-2 (10/3/08) standards using the simulated head tissue and multiple probes that are available and applicable for the dipole under test to verify the System Validation. Results for this dipole are within the measurement system uncertainty of the reference SAR values indicated within the latest draft of IEC62209-2 (10/3/08) when using flat phantom with 2mm thickness is used. These results then are averaged and used as the target for the daily system performance check when the simulated head tissue is used.

- The dipole targets for the body are set immediately following the same process noted above. Since there is no standard referencing the SAR values for the System Validation using the simulated body tissue, the compliant System Validation results using the simulated head tissue are used to justify the use of the System Validation results using the simulated body tissue due to the same setup except for the simulated tissue type.

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

Note that the targets set for the tested dipole, when using the simulated head tissue, meets the requirement for the system validation per IEEE1528-2003, the latest draft of IEC62209-2 (10/3/08) standards, and the difference between this result and the result from the manufacture's dipole calibration certificate is 8.9% for 450 dipole and 6.1% for 300 dipole which is well within the measurement uncertainty of the measurement system at k=2.

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

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 2/18/2010 7:32:45 AM

Robot# / Run#: DASY4-FL-2 / JsT-SYSP-450B-100218-01
Phantom# / Tissue Temp.: OVAL1016 / 20.1 (C)
Dipole Model# / Serial#: D450V2 / 1002
TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target: 4.40 mW/g (1g)
Calculated: 4.16 mW/g (1g)
Percent from Target (+/-): 5.5 % (1g)
Rotation (1D): 0.11 dB

Note:

Calculated: 1.04 mW/g (1g); 0.692 mW/g (10g)

Comments:

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

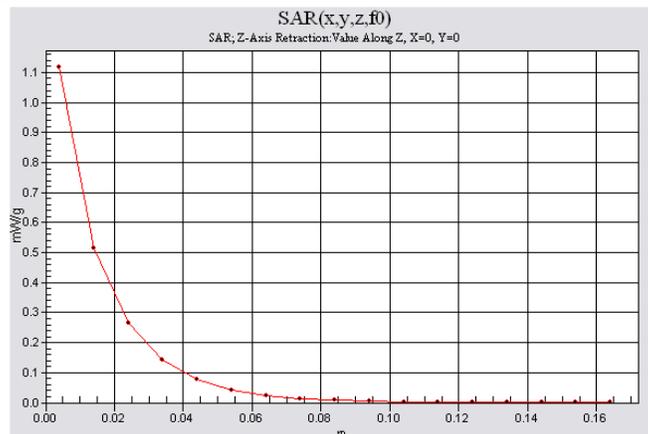
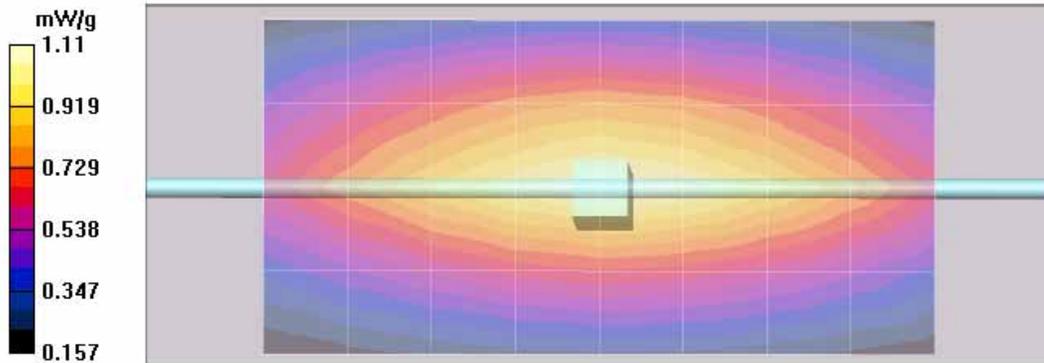
System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 34.5 V/m; Power Drift = -0.00351 dB
Peak SAR (extrapolated) = 1.61 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.692 mW/g
Maximum value of SAR (measured) = 1.12 mW/g

System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.11 mW/g

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



Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 2/19/2010 3:10:12 PM

Robot# / Run#: DASY4-FL-2 / MeC-SYSP-450B-100219-01
Phantom# / Tissue Temp.: OVAL1016 / 22.4 (C)
Dipole Model# / Serial#: D450V2 / 1002
TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target: 4.40 mW/g (1g)
Calculated: 4.52 mW/g (1g)
Percent from Target (+/-): 2.7 % (1g)
Rotation (1D): 0.098 dB

Note:

Calculated: 1.13 mW/g (1g); 0.716 mW/g (10g)

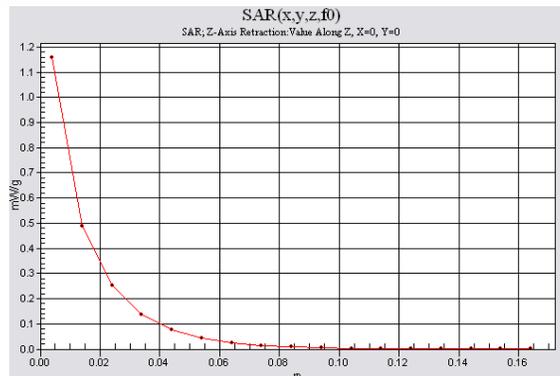
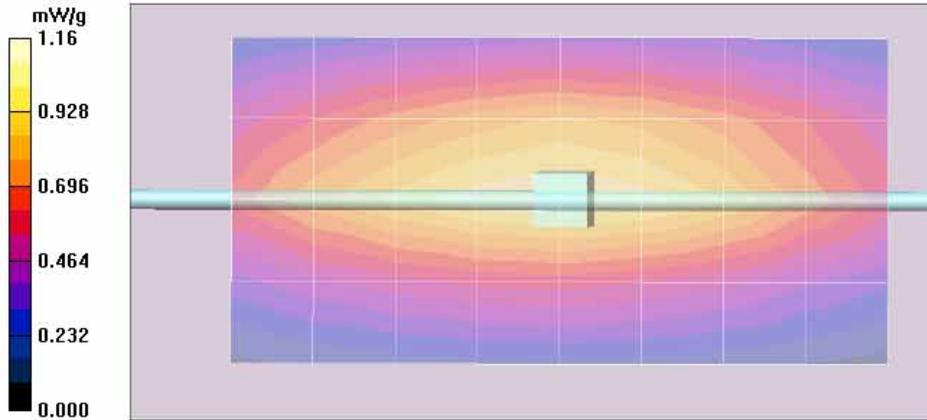
Comments:

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 55.3$; $\rho = 1000$ kg/m³

System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 35.7 V/m; Power Drift = 0.153 dB
Peak SAR (extrapolated) = 2.11 W/kg
SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.707 mW/g
Maximum value of SAR (measured) = 1.15 mW/g

System Performance Check/Dipole Area Scan 2 (41x81x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 35.7 V/m; Power Drift = 0.153 dB
Motorola Fast SAR: SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.753 mW/g
Maximum value of SAR (interpolated) = 1.14 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.16 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 2/20/2010 6:34:29 AM

Robot# / Run#: DASY4-FL-2 / JsT-SYSP-450B-100220-01
Phantom# / Tissue Temp.: OVAL1016 / 21.3 (C)
Dipole Model# / Serial#: D450V2 / 1002
TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target: 4.40 mW/g (1g)
Calculated: 4.12 mW/g (1g)
Percent from Target (+/-): 6.4 % (1g)
Rotation (1D): 0.088 dB

Note:

Calculated: 1.03 mW/g (1g); 0.689 mW/g (10g)

Comments:

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

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

Reference Value = 34.7 V/m; Power Drift = -0.00908 dB

Peak SAR (extrapolated) = 1.56 W/kg

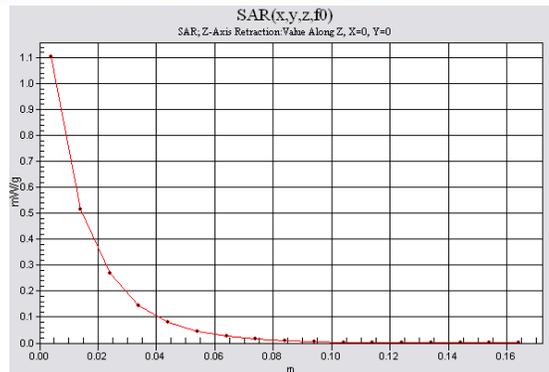
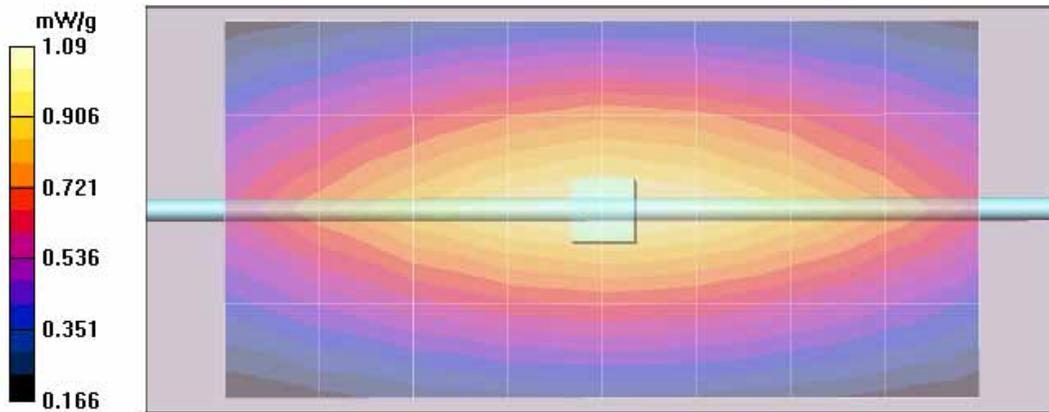
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.685 mW/g

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

System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm

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

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



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Date/Time: 2/21/2010 11:12:03 AM

Robot# / Run#: DASY4-FL-2 / MeC-SYSP-450B-100221-01
Phantom# / Tissue Temp.: OVAL1016 / 21.9 (C)
Dipole Model# / Serial#: D450V2 / 1002
TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target: 4.40 mW/g (1g)
Calculated: 4.08 mW/g (1g)
Percent from Target (+/-): 7.3 % (1g)
Rotation (1D): 0.084 dB

Note:

Calculated: 1.02 mW/g (1g); 0.675 mW/g (10g)

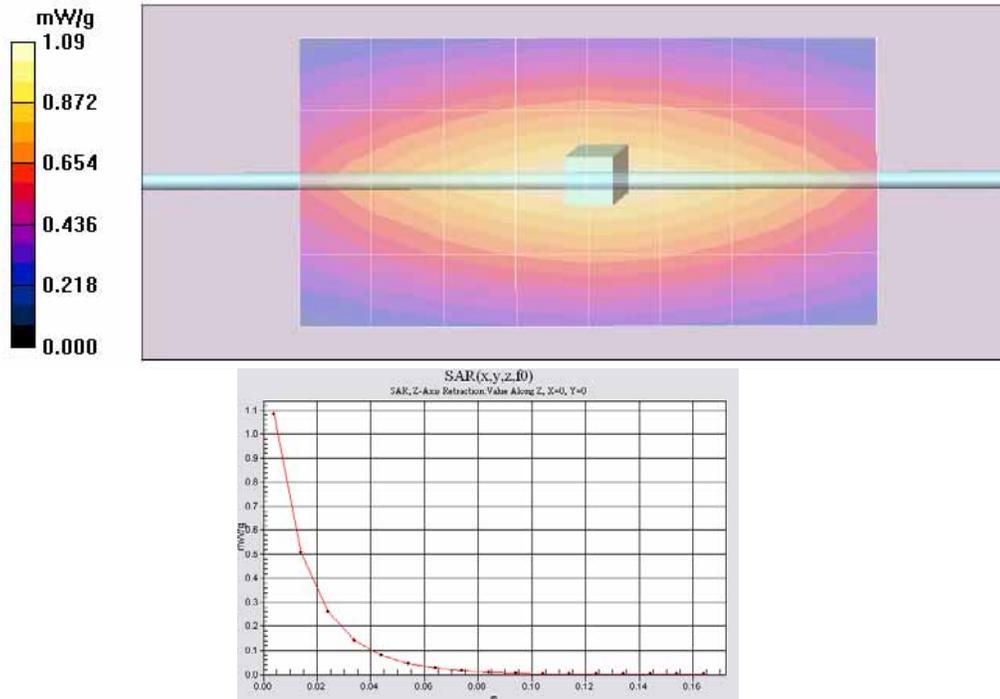
Comments:

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 34.4 V/m; Power Drift = -0.0107 dB
Peak SAR (extrapolated) = 1.55 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.671 mW/g
Maximum value of SAR (measured) = 1.09 mW/g

System Performance Check/Dipole Area Scan 2 (41x81x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 34.4 V/m; Power Drift = -0.0107 dB
Motorola Fast SAR: SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.718 mW/g
Maximum value of SAR (interpolated) = 1.07 mW/g

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



Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 2/22/2010 6:51:59 AM

Robot# / Run#: DASY4-FL-2 / ErC-SYSP-450B-100222-01
Phantom# / Tissue Temp.: OVAL1016 / 21.8 (C)
Dipole Model# / Serial#: D450V2 / 1002
TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target: 4.40 mW/g (1g)
Calculated: 4.12 mW/g (1g)
Percent from Target (+/-): 6.4 % (1g)
Rotation (1D): 0.088 dB

Note:

Calculated: 1.03 mW/g (1g); 0.687 mW/g (10g)

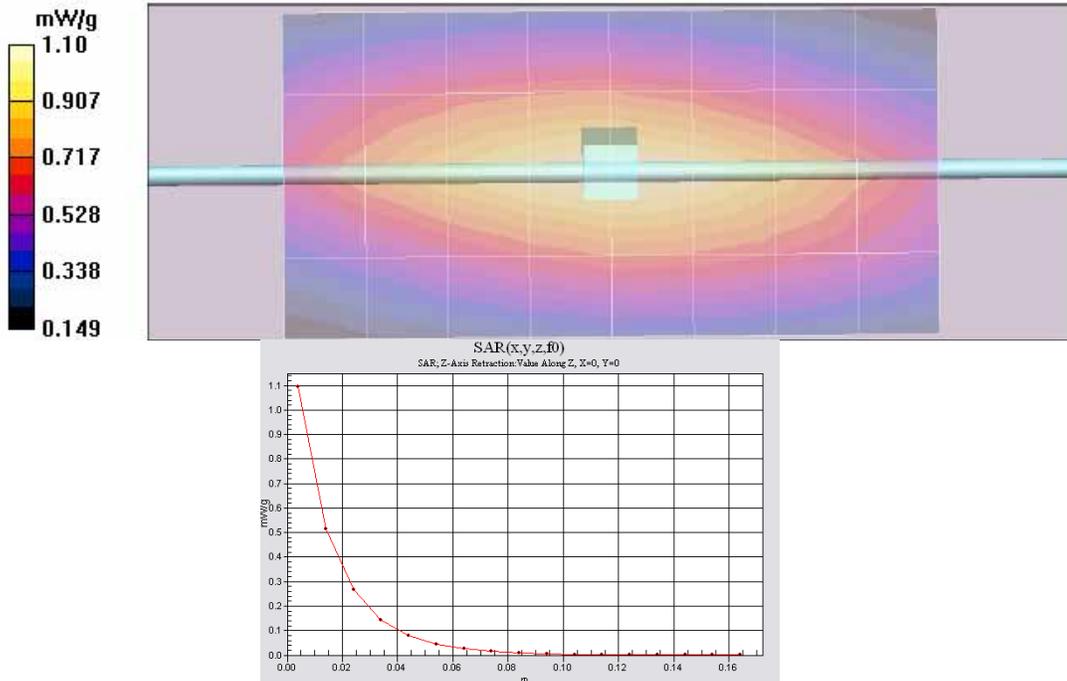
Comments:

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 34.7 V/m; Power Drift = -0.00195 dB
Peak SAR (extrapolated) = 1.56 W/kg
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.683 mW/g
Maximum value of SAR (measured) = 1.09 mW/g

System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.10 mW/g

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



Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 2/23/2010 8:14:23 AM

Robot# / Run#: DASY4-FL-2 / JsT-SYSP-450B-100223-01
Phantom# / Tissue Temp.: OVAL1016 / 21.5 (C)
Dipole Model# / Serial#: D450V2 / 1002
TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target: 4.40 mW/g (1g)
Calculated: 4.16 mW/g (1g)
Percent from Target (+/-): 5.5 % (1g)
Rotation (1D): 0.085 dB

Note:

Calculated: 1.04 mW/g (1g); 0.686 mW/g (10g)

Comments:

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

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

Reference Value = 34.8 V/m; Power Drift = 0.000266 dB

Peak SAR (extrapolated) = 1.57 W/kg

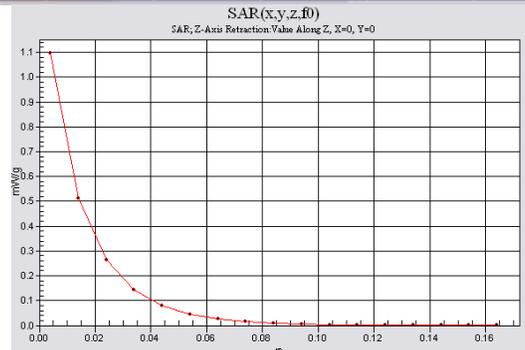
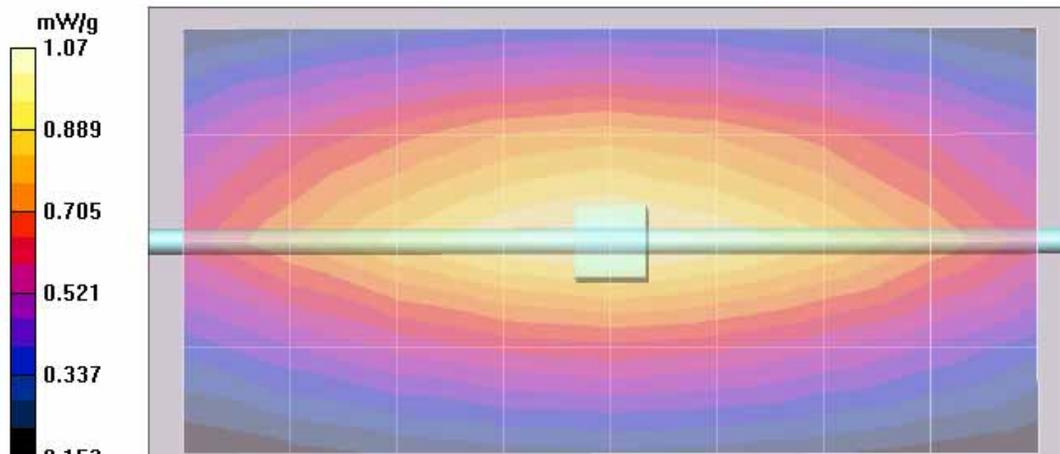
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.680 mW/g

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

System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm

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

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



Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 2/24/2010 7:16:34 AM

Robot# / Run#: DASY4-FL-2 / JsT-SYSP-450B-100224-01
Phantom# / Tissue Temp.: OVAL1016 / 21.5 (C)
Dipole Model# / Serial#: D450V2 / 1002
TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target: 4.40 mW/g (1g)
Calculated: 4.20 mW/g (1g)
Percent from Target (+/-): 4.5 % (1g)
Rotation (1D): 0.082 dB

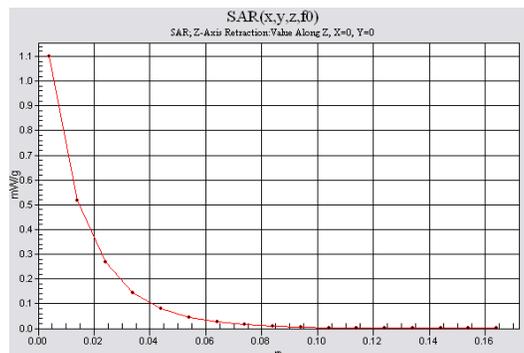
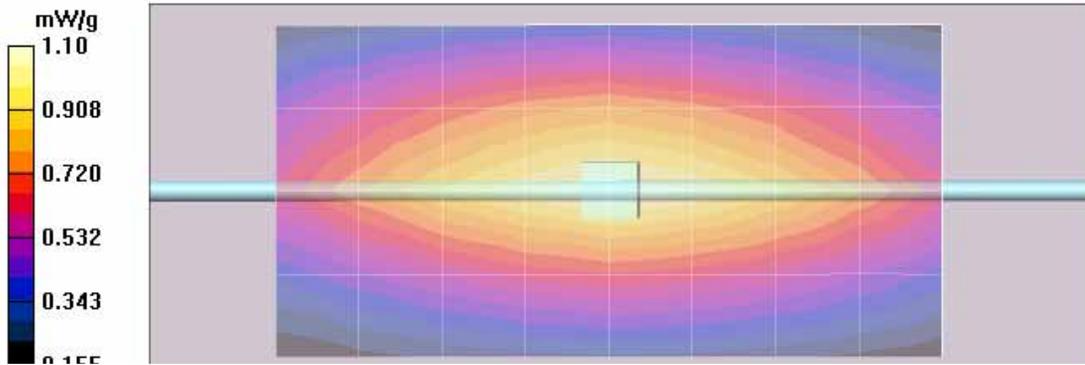
Note:

Calculated: 1.05 mW/g (1g); 0.691 mW/g (10g)

Comments:

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 34.9 V/m; Power Drift = 0.0067 dB
Peak SAR (extrapolated) = 1.57 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.685 mW/g
Maximum value of SAR (measured) = 1.10 mW/g
System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm
System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 2/25/2010 6:35:34 AM

Robot# / Run#: DASY4-FL-2 / JsT-SYSP-450B-100225-01
Phantom# / Tissue Temp.: OVAL1016 / 22.1 (C)
Dipole Model# / Serial#: D450V2 / 1002
TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target: 4.40 mW/g (1g)
Calculated: 4.24 mW/g (1g)
Percent from Target (+/-): 3.6 % (1g)
Rotation (1D): 0.085 dB

Note:

Calculated: 1.06 mW/g (1g); 0.698 mW/g (10g)

Comments:

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; sigma = 0.91 mho/m; epsilon_r = 54.8; rho = 1000 kg/m^3

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

Reference Value = 35.2 V/m; Power Drift = -0.0044 dB

Peak SAR (extrapolated) = 1.59 W/kg

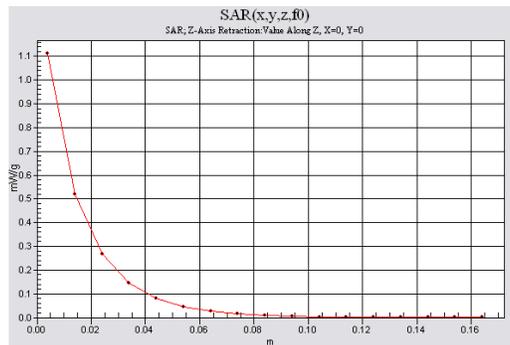
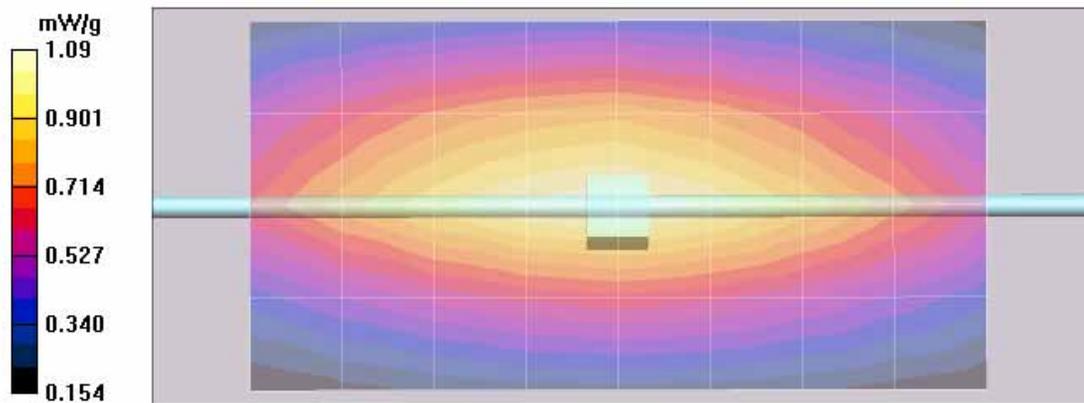
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.692 mW/g

Maximum value of SAR (measured) = 1.11 mW/g

System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm

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

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



Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 2/26/2010 6:53:24 AM

Robot# / Run#: DASY4-FL-2 / JsT-SYSP-450H-100226-01
Phantom# / Tissue Temp.: OVAL1011 / 21.4 (C)
Dipole Model# / Serial#: D450V2 / 1002
TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target: 4.58 mW/g (1g)
Calculated: 4.52 mW/g (1g)
Percent from Target (+/-): 1.3 % (1g)
Rotation (1D): 0.082 dB

Note:

Calculated: 1.13 mW/g (1g); 0.747 mW/g (10g)

Comments:

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(6.76, 6.76, 6.76)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.85$ mho/m; $\epsilon_r = 42.7$; $\rho = 1000$ kg/m³

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

Reference Value = 37.9 V/m; Power Drift = -0.00624 dB

Peak SAR (extrapolated) = 1.70 W/kg

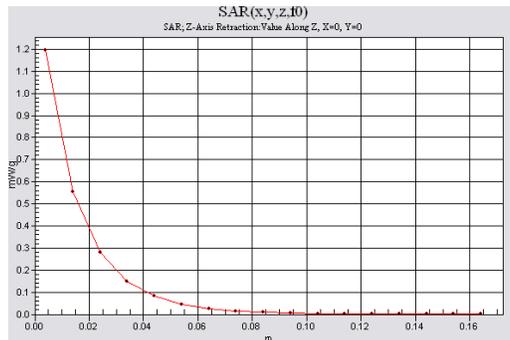
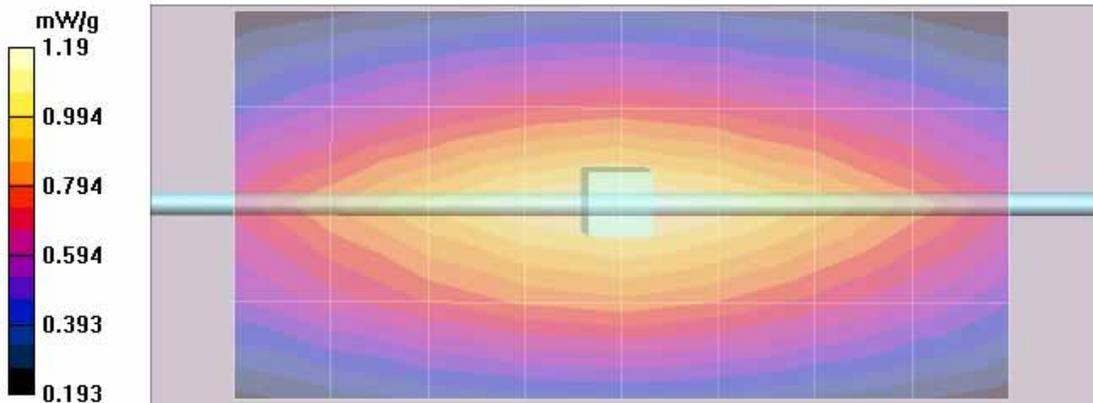
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.743 mW/g

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

System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm

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

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



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 2/27/2010 12:56:56 AM

Robot# / Run#: DASY4-FL-2 / ErC-SYSP-450H-100227-01
Phantom# / Tissue Temp.: OVAL1011 / 20.6 (C)
Dipole Model# / Serial#: D450V2 / 1002
TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target: 4.58 mW/g (1g)
Calculated: 4.48 mW/g (1g)
Percent from Target (+/-): 2.2 % (1g)
Rotation (1D): 0.09 dB

Note:

Calculated: 1.12 mW/g (1g); 0.741 mW/g (10g)

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(6.76, 6.76, 6.76)

Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; sigma = 0.83 mho/m; epsilon = 41.9; rho = 1000 kg/m^3

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

Reference Value = 38.1 V/m; Power Drift = 0.0181 dB

Peak SAR (extrapolated) = 1.65 W/kg

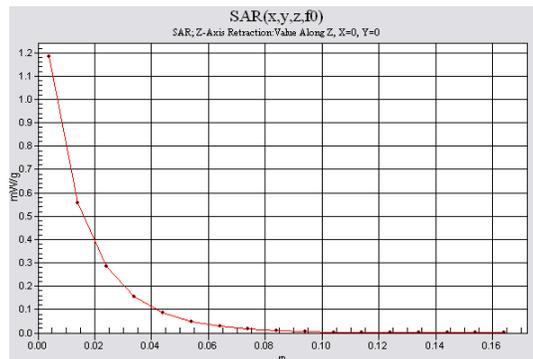
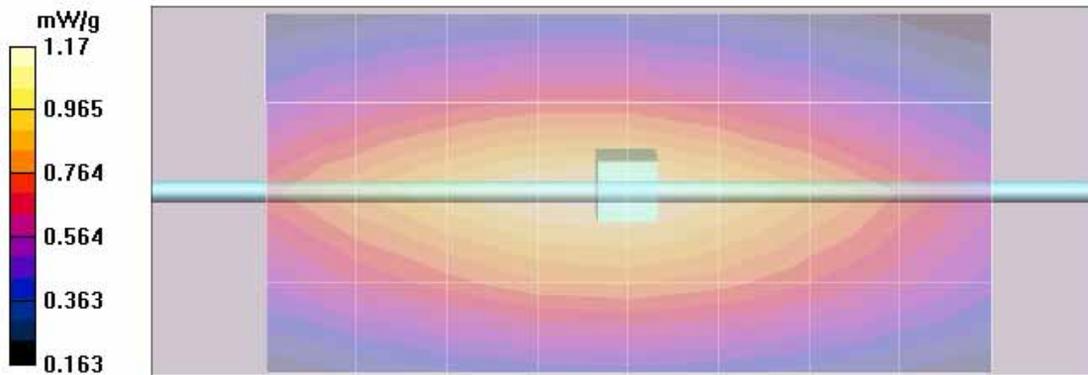
SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.734 mW/g

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

System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.18 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 2/28/2010 5:42:33 AM

Robot# / Run#: DASY4-FL-2 / HvH-SYSP-450H-100228-01
Phantom# / Tissue Temp.: OVAL1011 / 21.5 (C)
Dipole Model# / Serial#: D450V2 / 1002
TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target: 4.58 mW/g (1g)
Calculated: 4.52 mW/g (1g)
Percent from Target (+/-): 1.3 % (1g)
Rotation (1D): 0.097 dB

Note:

Calculated: 1.13 mW/g (1g); 0.744 mW/g (10g)

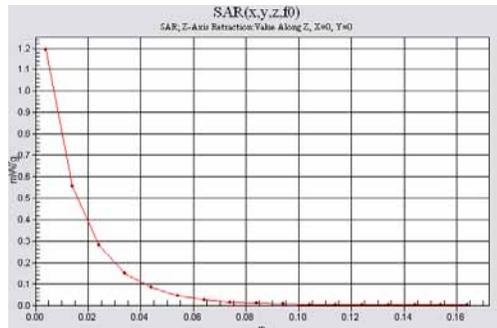
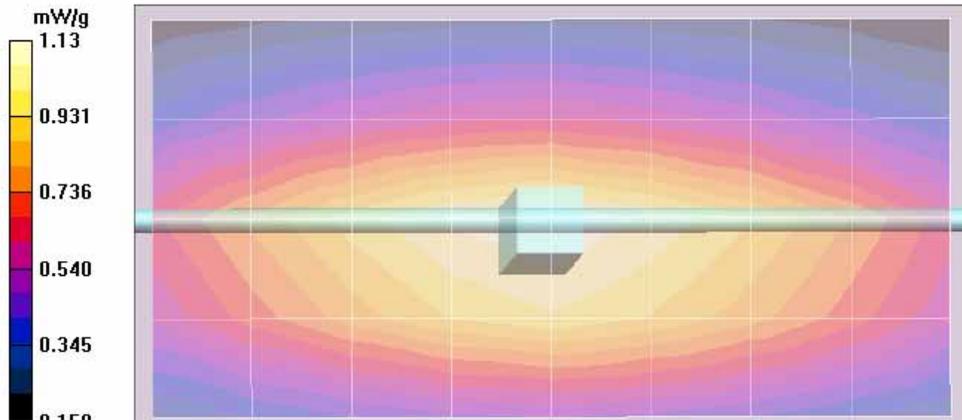
Comments:

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(6.76, 6.76, 6.76)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.85$ mho/m; $\epsilon_r = 42.7$; $\rho = 1000$ kg/m³

System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 37.8 V/m; Power Drift = -0.0198 dB
Peak SAR (extrapolated) = 1.70 W/kg
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.740 mW/g
Maximum value of SAR (measured) = 1.20 mW/g

System Performance Check/Dipole Area Scan 2 (41x81x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 37.8 V/m; Power Drift = -0.0198 dB
Motorola Fast SAR: SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.791 mW/g
Maximum value of SAR (interpolated) = 1.18 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.19 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 2/28/2010 10:27:01 AM

Robot# / Run#: DASY4-FL-2 / HvH-SYSP-300B-100228-08
Phantom# / Tissue Temp.: OVAL1022 / 21.1 (C)
Dipole Model# / Serial#: D300V2 / 1001
TX Freq. / Start power: 300 (MHz) / 250 (mW)

Target: 2.48 mW/g (1g)
Calculated: 2.66 mW/g (1g)
Percent from Target (+/-): 7.4 % (1g)
Rotation (1D): 0.092 dB

Note:

Calculated: .666 mW/g (1g); 0.445 mW/g (10g)

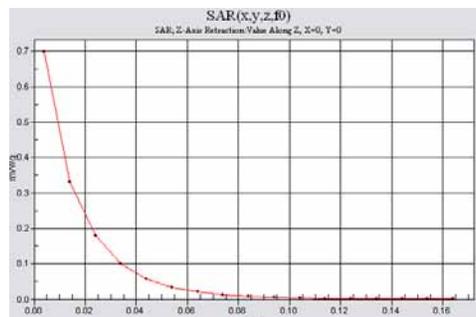
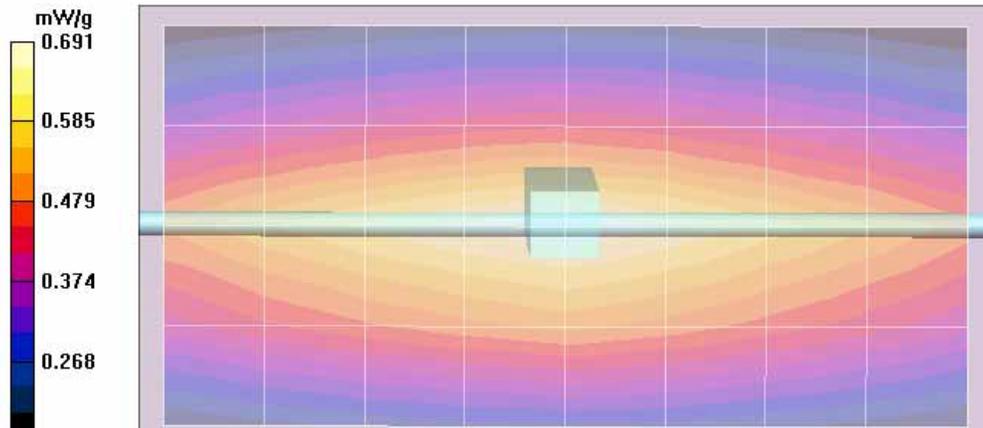
Comments:

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.4, 7.4, 7.4)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 300 MHz; sigma = 0.88 mho/m; epsilon_t = 56.6; rho = 1000 kg/m^3

System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 28.0 V/m; Power Drift = 0.0138 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.655 mW/g; SAR(10 g) = 0.442 mW/g
Maximum value of SAR (measured) = 0.694 mW/g

System Performance Check/Dipole Area Scan 2 (41x81x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 28.0 V/m; Power Drift = 0.0138 dB
Motorola Fast SAR: SAR(1 g) = 0.657 mW/g; SAR(10 g) = 0.476 mW/g
Maximum value of SAR (interpolated) = 0.696 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.699 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 3/1/2010 12:20:32 AM

Robot# / Run#: DASY4-FL-2 / MeC-SYSP-300B-100301-01
 Phantom# / Tissue Temp.: OVAL1022 / 21.0 (C)
 Dipole Model# / Serial#: D300V2 / 1001
 TX Freq. / Start power: 300 (MHz) / 250 (mW)

Target: 2.48 mW/g (1g)
 Calculated: 2.66 mW/g (1g)
 Percent from Target (+/-): 7.1 % (1g)
 Rotation (1D): 0.086 dB

Note:

Calculated: 0.664 mW/g (1g); 0.441 mW/g (10g)

Comments:

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.4, 7.4, 7.4)

Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 300$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 56.5$; $\rho = 1000$ kg/m³

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

Reference Value = 27.8 V/m; Power Drift = -0.0167 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.659 mW/g; SAR(10 g) = 0.439 mW/g

Maximum value of SAR (measured) = 0.696 mW/g

System Performance Check/Dipole Area Scan 2 (41x81x1): Measurement grid: dx=15mm, dy=15mm

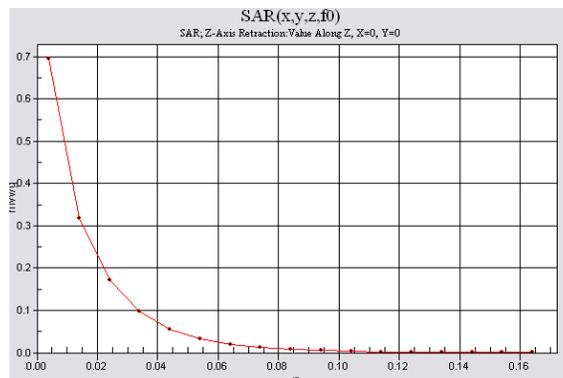
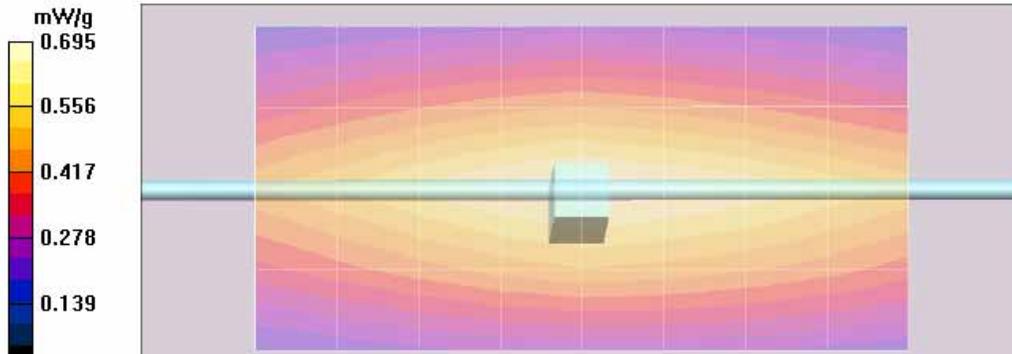
Reference Value = 27.8 V/m; Power Drift = -0.0167 dB

Motorola Fast SAR: SAR(1 g) = 0.659 mW/g; SAR(10 g) = 0.478 mW/g

Maximum value of SAR (interpolated) = 0.699 mW/g

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

Maximum value of SAR (measured) = 0.695 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 3/2/2010 12:16:28 AM

Robot# / Run#: DASY4-FL-2 / MeC-SYSP-300B-100302-01
Phantom# / Tissue Temp.: OVAL1022 / 20.8 (C)
Dipole Model# / Serial#: D300V2 / 1001
TX Freq. / Start power: 300 (MHz) / 250 (mW)

Target: 2.48 mW/g (1g)
Calculated: 2.59 mW/g (1g)
Percent from Target (+/-): 4.4 % (1g)
Rotation (1D): 0.097 dB

Note:

Calculated: 0.647 mW/g (1g); 0.413 mW/g (10g)

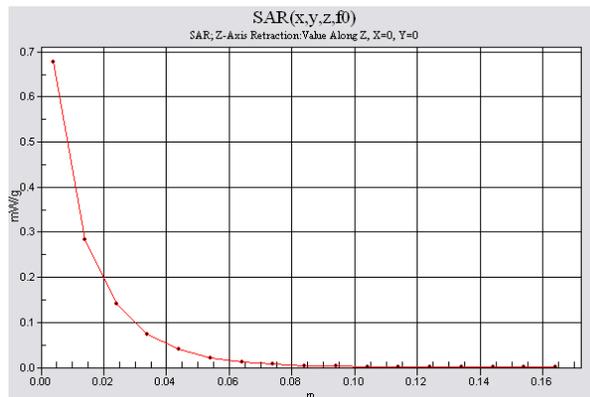
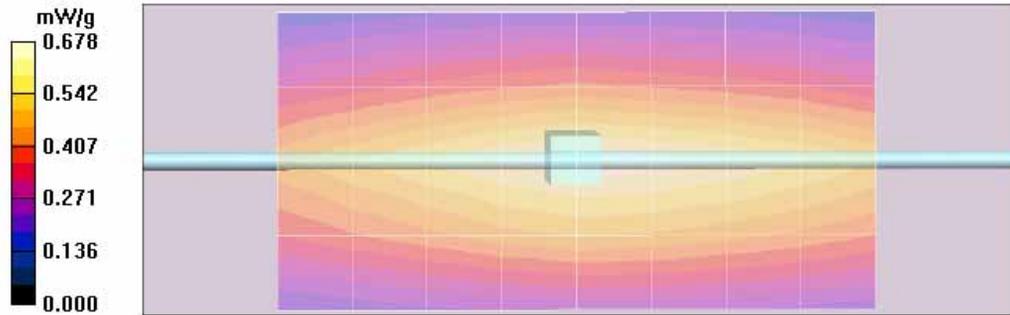
Comments:

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.4, 7.4, 7.4)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 300 MHz; sigma = 0.93 mho/m; epsilon_p = 56.2; rho = 1000 kg/m^3

System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.7 V/m; Power Drift = 0.0148 dB
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.647 mW/g; SAR(10 g) = 0.413 mW/g
Maximum value of SAR (measured) = 0.686 mW/g

System Performance Check/Dipole Area Scan 2 (41x81x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 26.7 V/m; Power Drift = 0.0148 dB
Motorola Fast SAR: SAR(1 g) = 0.641 mW/g; SAR(10 g) = 0.463 mW/g
Maximum value of SAR (interpolated) = 0.678 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.678 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 3/3/2010 12:12:56 AM

Robot# / Run#: DASY4-FL-2 / MeC-SYSP-300H-100303-01
 Phantom# / Tissue Temp.: OVAL1021 / 21.0 (C)
 Dipole Model# / Serial#: D300V2 / 1001
 TX Freq. / Start power: 300 (MHz) / 250 (mW)

Target: 2.77 mW/g (1g)
 Calculated: 2.74 mW/g (1g)
 Percent from Target (+/-): 1.2 % (1g)
 Rotation (1D): 0.13 dB

Note:

Calculated: 0.684 mW/g (1g); 0.456 mW/g (10g)

Comments:

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.4, 7.4, 7.4)

Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 300$ MHz; $\sigma = 0.86$ mho/m; $\epsilon_r = 45.7$; $\rho = 1000$ kg/m³

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

Reference Value = 28.9 V/m; Power Drift = 0.0183 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.680 mW/g; SAR(10 g) = 0.454 mW/g

Maximum value of SAR (measured) = 0.724 mW/g

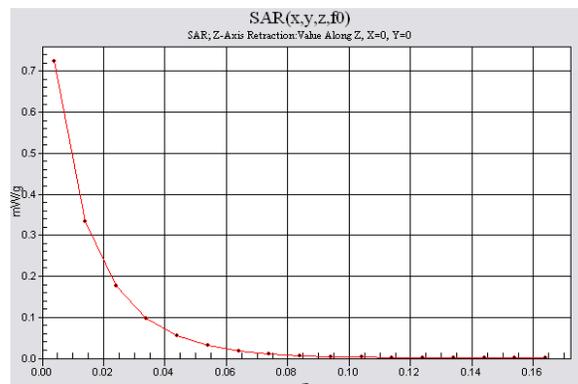
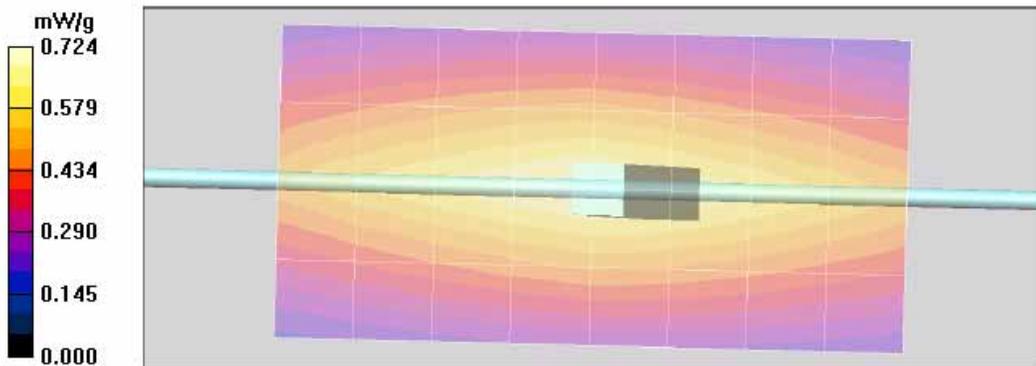
System Performance Check/Dipole Area Scan 2 (41x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 28.9 V/m; Power Drift = 0.0183 dB

Motorola Fast SAR: SAR(1 g) = 0.679 mW/g; SAR(10 g) = 0.492 mW/g

Maximum value of SAR (interpolated) = 0.721 mW/g

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



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 3/4/2010 12:29:21 AM

Robot# / Run#: DASY4-FL-2 / MeC-SYSP-300H-100304-01
Phantom# / Tissue Temp.: OVAL1021 / 21.0 (C)
Dipole Model# / Serial#: D300V2 / 1001
TX Freq. / Start power: 300 (MHz) / 250 (mW)

Target: 2.77 mW/g (1g)
Calculated: 2.73 mW/g (1g)
Percent from Target (+/-): 1.4 % (1g)
Rotation (1D): 0.092 dB

Note:

Calculated: 0.683 mW/g (1g); 0.459 mW/g (10g)

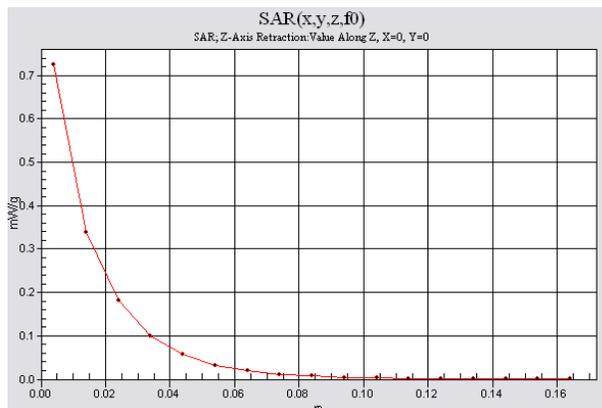
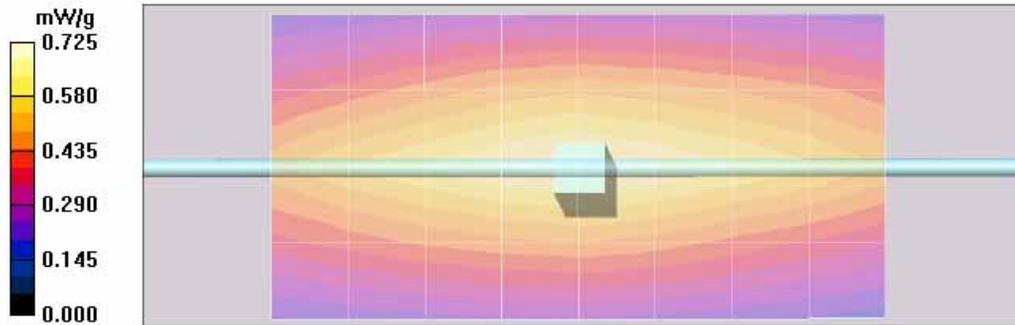
Comments:

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.4, 7.4, 7.4)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 300 MHz; sigma = 0.86 mho/m; epsilon_p = 46.1; rho = 1000 kg/m^3

System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 29.0 V/m; Power Drift = 0.0201 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.677 mW/g; SAR(10 g) = 0.456 mW/g
Maximum value of SAR (measured) = 0.721 mW/g

System Performance Check/Dipole Area Scan 2 (41x81x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 29.0 V/m; Power Drift = 0.0201 dB
Motorola Fast SAR: SAR(1 g) = 0.678 mW/g; SAR(10 g) = 0.492 mW/g
Maximum value of SAR (interpolated) = 0.718 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.725 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory
 Date/Time: 3/5/2010 12:16:30 AM

Robot# / Run#: DASY4-FL-2 / MeC-SYSP-450H-100305-01
 Phantom# / Tissue Temp.: OVAL1011 / 21.0 (C)
 Dipole Model# / Serial#: D450V2 / 1002
 TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target: 4.58 mW/g (1g)
 Calculated: 4.52 mW/g (1g)
 Percent from Target (+/-): 1.3 % (1g)
 Rotation (1D): 0.083 dB

Note:

Calculated: 1.13 mW/g (1g); 0.746 mW/g (10g)

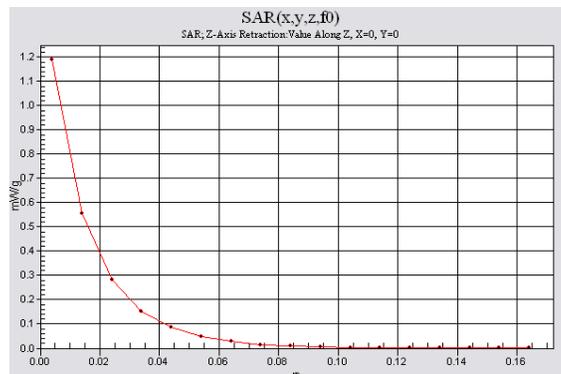
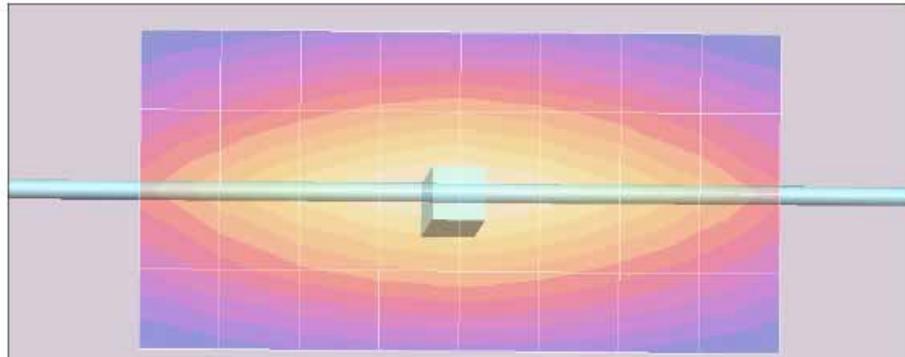
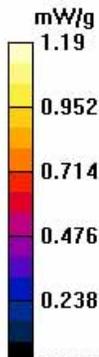
Comments:

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(6.76, 6.76, 6.76)
 Electronics: DAE3 Sn363, Calibrated: 4/28/2009
 Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.84$ mho/m; $\epsilon_r = 42.6$; $\rho = 1000$ kg/m³

System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 38.1 V/m; Power Drift = -0.0115 dB
 Peak SAR (extrapolated) = 1.68 W/kg
 SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.740 mW/g
 Maximum value of SAR (measured) = 1.19 mW/g

System Performance Check/Dipole Area Scan 2 (41x81x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 38.1 V/m; Power Drift = -0.0115 dB
 Motorola Fast SAR: SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.796 mW/g
 Maximum value of SAR (interpolated) = 1.20 mW/g

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



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 3/9/2010 10:33:21 AM

Robot# / Run#: DASY4-FL-2 / JsT-SYSP-300H-100309-05
Phantom# / Tissue Temp.: OVAL1021 / 20.7 (C)
Dipole Model# / Serial#: D300V2 / 1001
TX Freq. / Start power: 300 (MHz) / 250 (mW)

Target: 2.77 mW/g (1g)
Calculated: 2.72 mW/g (1g)
Percent from Target (+/-): 1.7 % (1g)
Rotation (1D): 0.037 dB

Note:

Calculated: 0.681 mW/g (1g); 0.452 mW/g (10g)

Comments:

Probe: ES3DV2 - SN3006, Calibrated: 5/19/2009, ConvF(7.2, 7.2, 7.2)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: f = 300 MHz; sigma = 0.84 mho/m; epsilon = 45.3; rho = 1000 kg/m^3

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

Reference Value = 29.3 V/m; Power Drift = -0.000868 dB

Peak SAR (extrapolated) = 1.07 W/kg

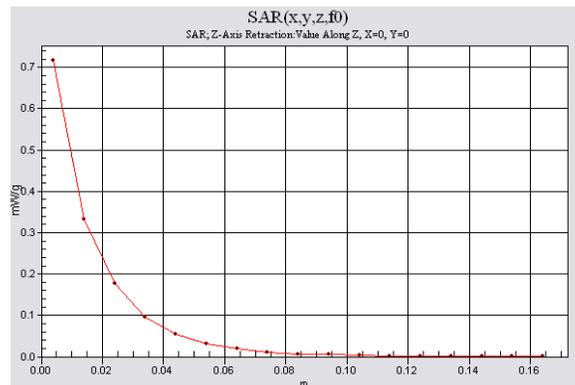
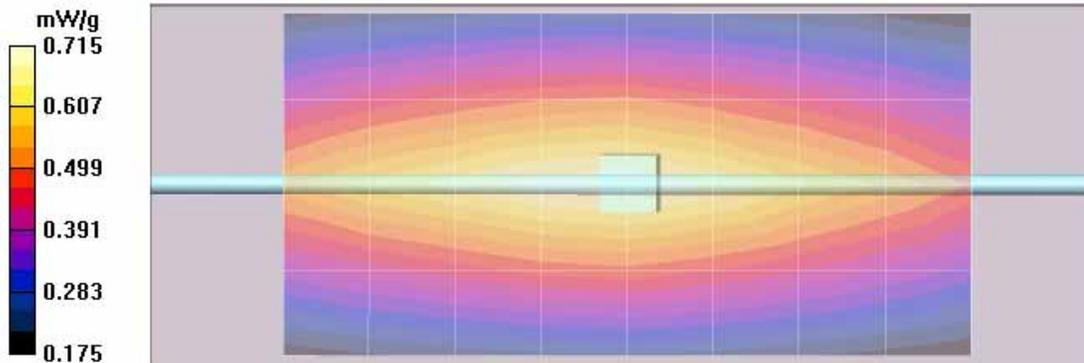
SAR(1 g) = 0.674 mW/g; SAR(10 g) = 0.451 mW/g

Maximum value of SAR (measured) = 0.717 mW/g

System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.715 mW/g

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



DIPOLE SAR TARGET - HEAD

Date: 10/28/09 Frequency (MHz): 450
 Lab Location: FL08-G&PS Mixture Type: IEEE Head
 DAE Serial #: 850 Ambient Temp.(°C): 22

Tissue Characteristics
 Permittivity: 43.6 Phantom Type/SN: OVAL1011
 Conductivity: 0.87 Distance (mm): 15
 Tissue Temp.(°C): 20

Reference Source: Dipole Power to Dipole: 250 mW
 Reference SN: 1002

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

4.58

Difference from Target

0.00% (1g-SAR)

New Target:

Average 1g-SAR Value (mW/g): **4.58**

Passes K=2

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

Probe SN #s	1g-SAR (Cube)	Diff from Ave	Robot
3007	4.60	0.4%	R1
3163	4.56	-0.4%	R1
Average 4.5800		New Measured SAR Value	

(normalized to 1.0 W)

Test performed by: Ed Church Initial: E.C.

DIPOLE SAR TARGET - BODY

Date: 10/28/09 Frequency (MHz): 450
 Lab Location: FL08-G&PS Mixture Type: Body
 DAE Serial #: 850 Ambient Temp.(°C): 22

Tissue Characteristics
 Permittivity: 58.4 Phantom Type/SN: OVAL1016
 Conductivity: 0.97 Distance (mm): 15
 Tissue Temp.(°C): 20.1

Reference Source: Dipole Power to Dipole: 250 mW
 Reference SN: 1002

New Target:

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

Probe SN #s	1-G Cube	Diff from Ave	Robot
3163	4.32	-1.8%	R1
3007	4.48	1.8%	R1
Average		New Measured SAR Value	

(normalized to 1.0 W)

Test performed by: Ed Church Initial: EC

DIPOLE SAR TARGET - HEAD

Date: 12/29/09 Frequency (MHz): 300
 Lab Location: FL08-G&PS Mixture Type: IEEE Head
 DAE Serial #: 401 Ambient Temp.(°C): 21.9

Tissue Characteristics
 Permittivity: 47.4 Phantom Type/SN: OVAL1020
 Conductivity: 0.91 Distance (mm): 15
 Tissue Temp.(°C): 20.9

Reference Source: Dipole Power to Dipole: 250 mW
 Reference SN: 1001

Target 1g-SAR Value (mW/g, normalized to 1.0 W):
2.85

Difference from Target
-2.69% (1g-SAR)

New Target:
Average 1g-SAR Value (mW/g): **2.77**

Passes K=2

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

Probe SN #s	1g-SAR (Cube)	Diff from Ave	Robot
3163	2.75	-0.8%	R3
3147	2.75	-0.8%	R3
3185	2.82	1.7%	R3
Average	2.7733	New Measured SAR Value	

(normalized to 1.0 W)

Test performed by: Ed Church Initial: EC

DIPOLE SAR TARGET - BODY

Date: 12/29/09 Frequency (MHz): 300
 Lab Location: FL08-G&PS Mixture Type: Body
 DAE Serial #: 401 Ambient Temp.(°C): 22

Tissue Characteristics
 Permittivity: 58.0 Phantom Type/SN: OVAL1022
 Conductivity: 0.91 Distance (mm): 15
 Tissue Temp.(°C): 20.7

Reference Source: Dipole Power to Dipole: 250 mW
 Reference SN: 1001

New Target:

Average Measured SAR Value: 2.48 mW/g(1g avg.),

Probe SN #s	1-G Cube	Diff from Ave	Robot
3185	2.46	-0.8%	R3
3147	2.48	0.0%	R3
3163	2.50	0.8%	R3
Average		New Measured SAR Value	

(normalized to 1.0 W)

Test performed by: Ed Church Initial: EIC

Motorola Internal Use Only

FCD-0733 Rev.6

Appendix E
DUT Scans (Shortened Scan and Highest SAR configurations)

Shortened Scan Result

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 3/5/2010 5:48:30 PM

Robot# / Run#: DASY4-FL-2 / MeC-Ab-100305-11
Phantom# / Tissue Temp.: OVAL1016 / 20.4 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAE4065A / 502.5000 (MHz)
Battery: NNTN7034A
Carry Acc. / Cable Acc.: NTN8266B / PMLN5101A
Start Power: 5.50 (W)

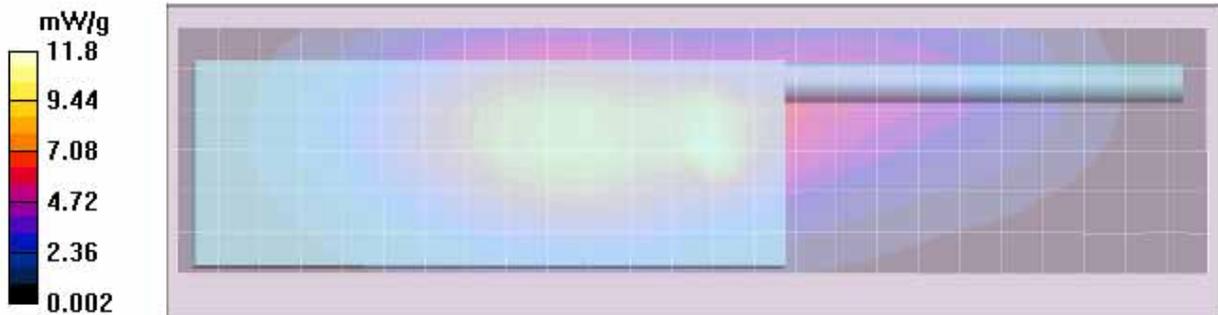
Note:
Calculated: 11.00 mW/g (1g); 6.58 mW/g (10g)

Comments: Shorten Scan.

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19); Electronics: DAE3 Sn363, Calibrated: 4/28/2009; Duty Cycle: 1:1, Medium parameters used: f = 503 MHz; $\sigma = 0.97$ 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 = 76.3 V/m; Power Drift = -0.0926 dB
Peak SAR (extrapolated) = 21.0 W/kg
SAR(1 g) = 11 mW/g; SAR(10 g) = 6.58 mW/g
Maximum value of SAR (measured) = 11.8 mW/g

Shortened scan reflect highest SAR producing configuration; approximate run time 7 minutes.
Representative zoom scan run time was 32 minutes
“Shortened” scan max calculated SAR using SAR drift: 1-g Avg. = 5.72 mW/g; 10-g Avg. = 3.42 mW/g
Full scan (included area and zoom) max calculated SAR using SAR drift:
1-g Avg. = 6.00 mW/g; 10-g Avg. = 3.62 mW/g
(see part 1 of 2 section 13.1 Table 13 run # HvH-Ab-100222-05)



Body - Highest SAR Configuration Result

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 3/22/2010 12:30:58 PM

Robot# / Run#: DASY4-FL-2 / HvH-Ab-100222-05

Phantom# / Tissue Temp.: OVAL1016 / 21.5 (C)

DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M

Antenna / TX Freq.: PMAE4065A / 502.5000 (MHz)

Battery: NNTN7034A

Carry Acc. / Cable Acc.: NTN8266B / PMLN5101A

Start Power: 5.54 (W)

Note:

Calculated: 11.10 mW/g (1g); 6.70 mW/g (10g)

Comments: Full Scan.

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19), Electronics: DAE3 Sn363, Calibrated: 4/28/2009, Duty Cycle: 1:1, Medium parameters used: f = 503 MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

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

Reference Value = 76.7 V/m; Power Drift = -0.292 dB

Peak SAR (extrapolated) = 20.6 W/kg

SAR(1 g) = 11.1 mW/g; SAR(10 g) = 6.7 mW/g

Maximum value of SAR (measured) = 12.0 mW/g

Ab Scan/Area Scan (61x251x1): Measurement grid: dx=15mm, dy=15mm

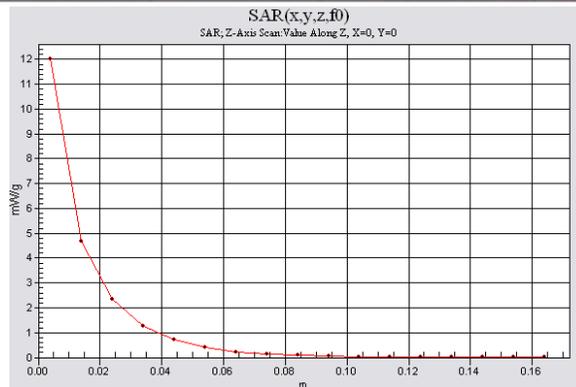
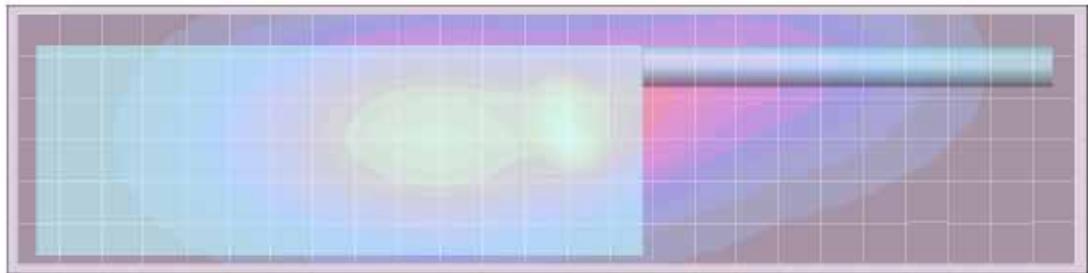
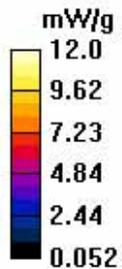
Reference Value = 76.7 V/m; Power Drift = -0.223 dB

Motorola Fast SAR: SAR(1 g) = 10.9 mW/g; SAR(10 g) = 7.21 mW/g

Maximum value of SAR (interpolated) = 12.2 mW/g

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

Maximum value of SAR (measured) = 12.0 mW/g



Face - Highest SAR Configuration Result

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 2/27/2010 2:55:38 PM

Robot# / Run#: DASY4-FL-2 / JsT-Face-100227-10
 Phantom# / Tissue Temp.: OVAL1011 / 21.0 (C)
 DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
 Antenna / TX Freq.: PMAT4001A / 450.0000 (MHz)
 Battery: NNTN7038A
 Carry Acc. / Cable Acc.: None / None
 Start Power: 5.59 (W)

Note:
 Calculated: 5.56 mW/g (1g); 4.17 mW/g (10g)

Comments: Full Scan; Back of DUT Facing Phantom.

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(6.76, 6.76, 6.76), Electronics: DAE3 Sn363, Calibrated: 4/28/2009, Duty Cycle: 1:1, Medium parameters used: $f = 467 \text{ MHz}$; $\sigma = 0.87 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

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

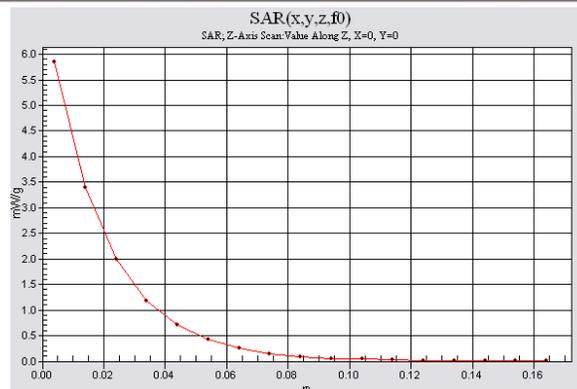
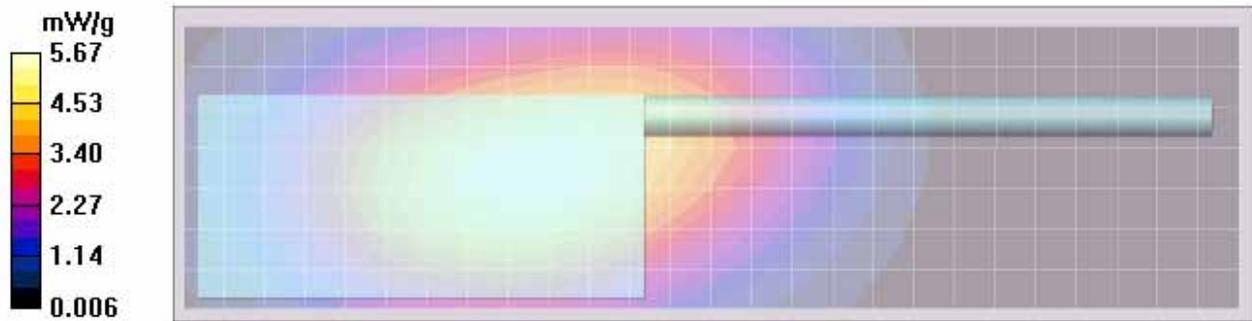
Reference Value = 75.1 V/m; Power Drift = 0.0182 dB
 Peak SAR (extrapolated) = 7.33 W/kg
SAR(1 g) = 5.56 mW/g; SAR(10 g) = 4.17 mW/g
 Maximum value of SAR (measured) = 5.83 mW/g

Face Scan/Area Scan (71x261x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 75.1 V/m; Power Drift = 0.0168 dB
Motorola Fast SAR: SAR(1 g) = 5.52 mW/g; SAR(10 g) = 4.12 mW/g
 Maximum value of SAR (interpolated) = 5.78 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



Appendix F DUT Scans

Section 1.0

UHF Assessment of the offered antenna PMAE4065A, battery NNTN7034A, and audio cable HMN4104A. (Section 13.1 Table 12)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 2/18/2010 7:09:03 PM

Robot# / Run#: DASY4-FL-2 / MeC-Ab-100218-07
Phantom# / Tissue Temp.: OVAL1016 / 20.4 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAE4065A / 512.0000 (MHz)
Battery: NNTN7034A
Carry Acc. / Cable Acc.: NTN8266B / HMN4104A
Start Power: 5.55 (W)

Note:

Calculated: 10.30 mW/g (1g); 6.23 mW/g (10g)

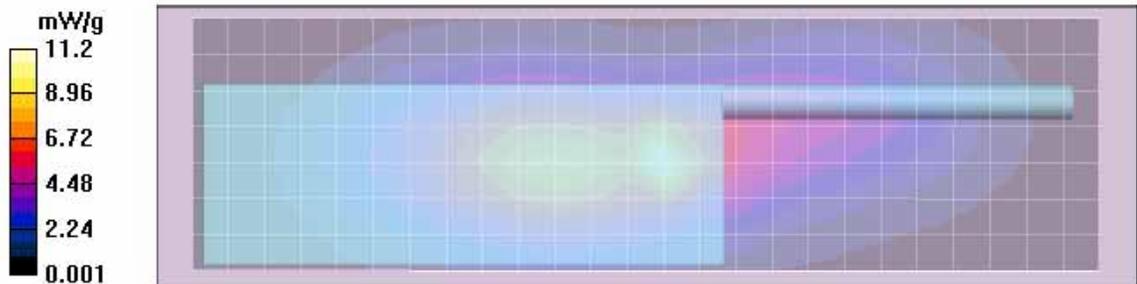
Comments: Full Scan

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 503 MHz; sigma = 0.95 mho/m; epsilon_t = 54.2; rho = 1000 kg/m^3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 73.3 V/m; Power Drift = -0.281 dB
Peak SAR (extrapolated) = 19.0 W/kg
SAR(1 g) = 10.3 mW/g; SAR(10 g) = 6.23 mW/g
Maximum value of SAR (measured) = 11.2 mW/g

Ab Scan/Area Scan (71x251x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 73.3 V/m; Power Drift = -0.230 dB
Motorola Fast SAR: SAR(1 g) = 10.1 mW/g; SAR(10 g) = 6.61 mW/g
Maximum value of SAR (interpolated) = 11.4 mW/g

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



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 2/18/2010 10:07:15 PM

Robot# / Run#: DASY4-FL-2 / MeC-Ab-100218-10
Phantom# / Tissue Temp.: OVAL1016 / 20.4 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAE4065A / 465.5000 (MHz)
Battery: NNTN7034A
Carry Acc. / Cable Acc.: HLN6875A / HMN4104A
Start Power: 5.57 (W)

Note:

Calculated: 5.40 mW/g (1g); 4.00 mW/g (10g)

Comments: Full Scan

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)

Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: f = 467 MHz; sigma = 0.91 mho/m; epsilon_t = 54.7; rho = 1000 kg/m^3

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

Reference Value = 63.9 V/m; Power Drift = -0.116 dB

Peak SAR (extrapolated) = 7.10 W/kg

SAR(1 g) = 5.31 mW/g; SAR(10 g) = 3.96 mW/g

Maximum value of SAR (measured) = 5.56 mW/g

Ab Scan/Area Scan (71x251x1): Measurement grid: dx=15mm, dy=15mm

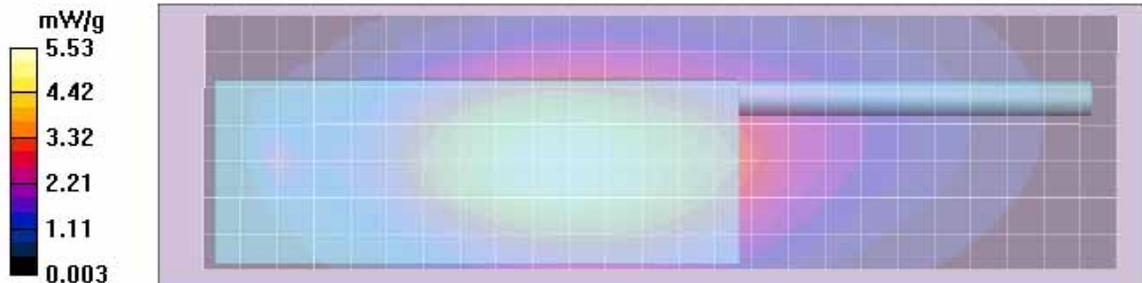
Reference Value = 63.9 V/m; Power Drift = -0.0611 dB

Motorola Fast SAR: SAR(1 g) = 5.37 mW/g; SAR(10 g) = 3.98 mW/g

Maximum value of SAR (interpolated) = 5.64 mW/g

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

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



Section 2.0

UHF Assessment of the offered antenna PMAE4065A, battery NNTN7034A, and audio cable PMLN5101A. (Section 13.1 Table 13)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 3/22/2010 12:30:58 PM

Robot# / Run#: DASY4-FL-2 / HvH-Ab-100222-05
Phantom# / Tissue Temp.: OVAL1016 / 21.5 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAE4065A / 502.5000 (MHz)
Battery: NNTN7034A
Carry Acc. / Cable Acc.: NTN8266B / PMLN5101A
Start Power: 5.54 (W)

Note:

Calculated: 11.10 mW/g (1g); 6.70 mW/g (10g)

Comments: Full Scan.

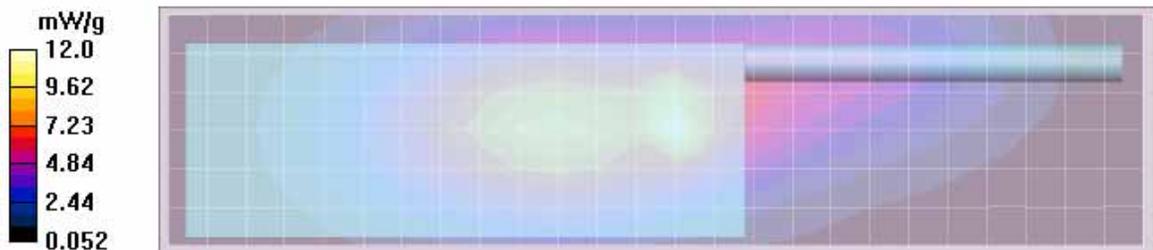
Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: f = 503 MHz; sigma = 0.97 mho/m; epsilon_r = 53.9; rho = 1000 kg/m^3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 76.7 V/m; Power Drift = -0.292 dB
Peak SAR (extrapolated) = 20.6 W/kg
SAR(1 g) = 11.1 mW/g; SAR(10 g) = 6.7 mW/g
Maximum value of SAR (measured) = 12.0 mW/g

Ab Scan/Area Scan (61x251x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 76.7 V/m; Power Drift = -0.223 dB
Motorola Fast SAR: SAR(1 g) = 10.9 mW/g; SAR(10 g) = 7.21 mW/g
Maximum value of SAR (interpolated) = 12.2 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 12.0 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 3/22/2010 9:27:44 PM

Robot# / Run#: DASY4-FL-2 / MeC-Ab-100222-15
Phantom# / Tissue Temp.: OVAL1016 / 21.5 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAE4065A / 512.0000 (MHz)
Battery: NNTN7034A
Carry Acc. / Cable Acc.: HLN6875A / PMLN5101A
Start Power: 5.48 (W)

Note:

Calculated: 6.17 mW/g (1g); 4.54 mW/g (10g)

Comments: Full Scan.

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)

Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: f = 503 MHz; sigma = 0.97 mho/m; epsilon_t = 53.9; rho = 1000 kg/m^3

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

Reference Value = 57.0 V/m; Power Drift = -0.0901 dB

Peak SAR (extrapolated) = 8.33 W/kg

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

Maximum value of SAR (measured) = 6.47 mW/g

Ab Scan/Area Scan (61x251x1): Measurement grid: dx=15mm, dy=15mm

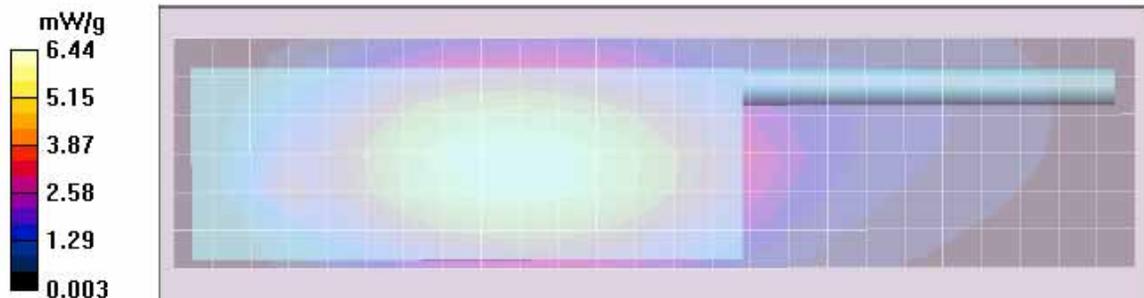
Reference Value = 57.0 V/m; Power Drift = -0.0719 dB

Motorola Fast SAR: SAR(1 g) = 6.3 mW/g; SAR(10 g) = 4.65 mW/g

Maximum value of SAR (interpolated) = 6.61 mW/g

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

Maximum value of SAR (measured) = 6.44 mW/g



Section 3.0

UHF Assessment of the offered antenna PMAE4065A, battery NNTN7038A, and audio cable HMN4104AA. (Section 13.1 Table 14)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 2/25/2010 7:39:48 AM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100225-02
Phantom# / Tissue Temp.: OVAL1016 / 21.6 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAE4065A / 450.0000 (MHz)
Battery: NNTN7038A
Carry Acc. / Cable Acc.: NTN8266B / HMN4104A
Start Power: 5.61 (W)

Note:

Calculated: 10.32 mW/g (1g); 6.86 mW/g (10g)

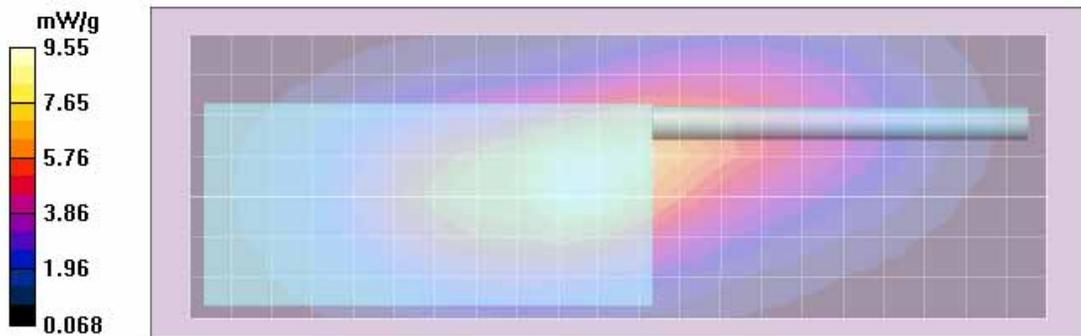
Comments: Full Scan

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 467 MHz; sigma = 0.92 mho/m; epsilon_p = 54.5; rho = 1000 kg/m^3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 86.4 V/m; Power Drift = 0.0783 dB
Peak SAR (extrapolated) = 16.2 W/kg
SAR(1 g) = 10.2 mW/g; SAR(10 g) = 6.81 mW/g
Maximum value of SAR (measured) = 11.1 mW/g

Ab Scan/Area Scan (71x211x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 86.4 V/m; Power Drift = 0.0718 dB
Motorola Fast SAR: SAR(1 g) = 9.47 mW/g; SAR(10 g) = 6.85 mW/g
Maximum value of SAR (interpolated) = 10.1 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 11.0 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 2/25/2010 1:49:46 AM

Robot# / Run#: DASY4-FL-2 / MeC-Ab-100224-22
Phantom# / Tissue Temp.: OVAL1016 / 21.1 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAE4065A / 512.0000 (MHz)
Battery: NNTN7038A
Carry Acc. / Cable Acc.: HLN6875A / HMN4104A
Start Power: 5.52 (W)

Note:

Calculated: 5.60 mW/g (1g); 4.11 mW/g (10g)

Comments: Full Scan

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)

Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: f = 503 MHz; sigma = 0.95 mho/m; epsilon_t = 53.9; rho = 1000 kg/m^3

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

Reference Value = 63.2 V/m; Power Drift = -0.0991 dB

Peak SAR (extrapolated) = 7.59 W/kg

SAR(1 g) = 5.6 mW/g; SAR(10 g) = 4.11 mW/g

Maximum value of SAR (measured) = 5.91 mW/g

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

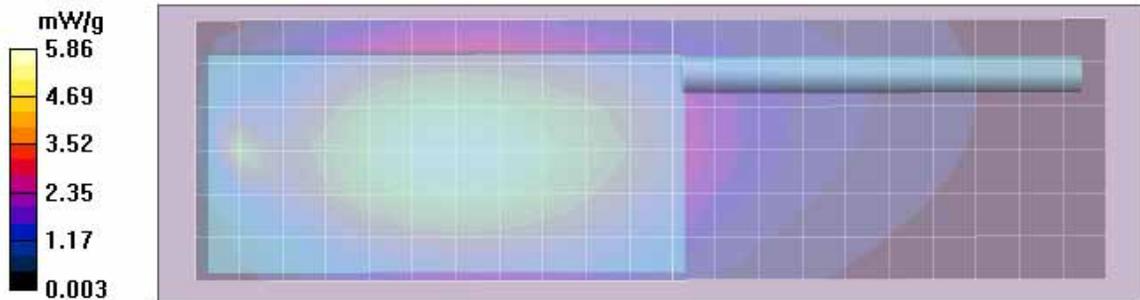
Reference Value = 63.2 V/m; Power Drift = -0.0694 dB

Motorola Fast SAR: SAR(1 g) = 5.65 mW/g; SAR(10 g) = 4.15 mW/g

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

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

Maximum value of SAR (measured) = 5.86 mW/g



Section 4.0

UHF Assessment of the offered antenna PMAE4065A, battery NNTN7038A, and audio cable PMLN5101A. (Section 13.1 Table 15)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 2/25/2010 12:00:43 PM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100225-08
Phantom# / Tissue Temp.: OVAL1016 / 21.3 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAE4065A / 450.0000 (MHz)
Battery: NNTN7038A
Carry Acc. / Cable Acc.: NTN8266B / PMLN5101A
Start Power: 5.70 (W)

Note:

Calculated: 10.07 mW/g (1g); 6.67 mW/g (10g)

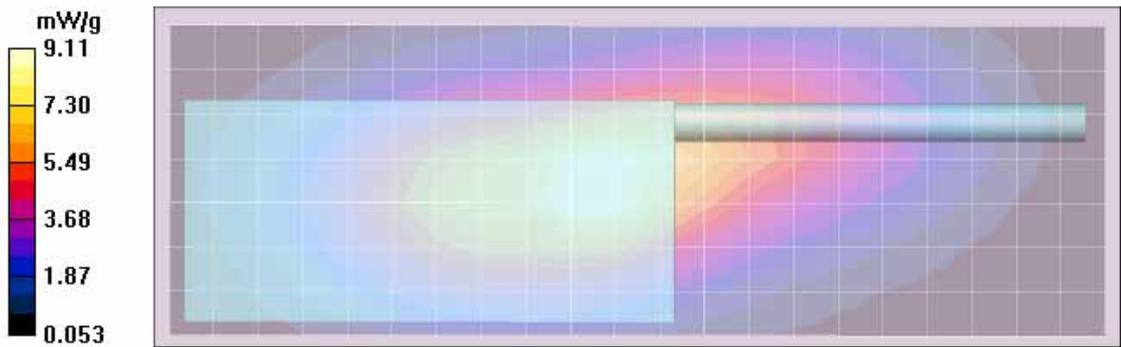
Comments: Full Scan

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 467 MHz; sigma = 0.92 mho/m; epsilon_p = 54.5; rho = 1000 kg/m^3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 85.2 V/m; Power Drift = 0.0492 dB
Peak SAR (extrapolated) = 15.8 W/kg
SAR(1 g) = 9.96 mW/g; SAR(10 g) = 6.63 mW/g
Maximum value of SAR (measured) = 10.8 mW/g

Ab Scan/Area Scan (71x211x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 85.2 V/m; Power Drift = 0.0421 dB
Motorola Fast SAR: SAR(1 g) = 9.15 mW/g; SAR(10 g) = 6.63 mW/g
Maximum value of SAR (interpolated) = 9.76 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 10.7 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 3/22/2010 11:16:58 PM

Robot# / Run#: DASY4-FL-2 / MeC-Ab-100222-18
Phantom# / Tissue Temp.: OVAL1016 / 21.4 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAE4065A / 512.0000 (MHz)
Battery: NNTN7038A
Carry Acc. / Cable Acc.: HLN6875A / PMLN5101A
Start Power: 5.50 (W)

Note:

Calculated: 5.87 mW/g (1g); 4.31 mW/g (10g)

Comments: Full Scan.

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)

Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: f = 503 MHz; sigma = 0.97 mho/m; epsilon_t = 53.9; rho = 1000 kg/m^3

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

Reference Value = 52.9 V/m; Power Drift = -0.0999 dB

Peak SAR (extrapolated) = 7.93 W/kg

SAR(1 g) = 5.87 mW/g; SAR(10 g) = 4.31 mW/g

Maximum value of SAR (measured) = 6.16 mW/g

Ab Scan/Area Scan (61x221x1): Measurement grid: dx=15mm, dy=15mm

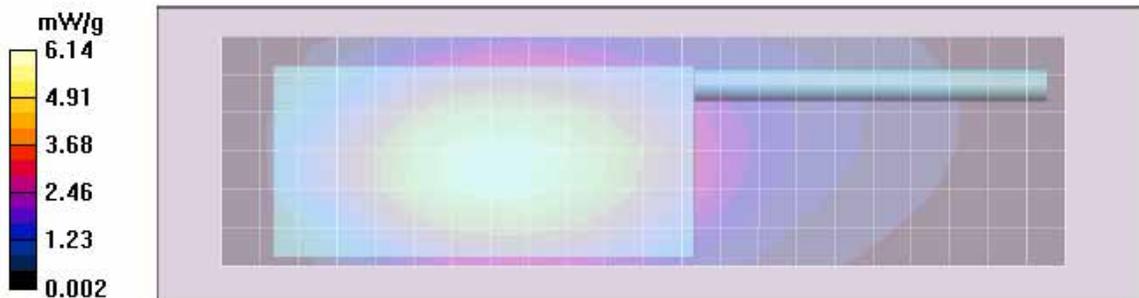
Reference Value = 52.9 V/m; Power Drift = -0.0887 dB

Motorola Fast SAR: SAR(1 g) = 5.91 mW/g; SAR(10 g) = 4.35 mW/g

Maximum value of SAR (interpolated) = 6.22 mW/g

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

Maximum value of SAR (measured) = 6.14 mW/g



Section 5.0

UHF Assessment of the offered antenna PMAT4001A, battery NNTN7034A, and audio cable HMN4104A. (Section 13.1 Table 16)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 2/20/2010 7:59:52 AM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100220-02
Phantom# / Tissue Temp.: OVAL1016 / 21.1 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 450.0000 (MHz)
Battery: NNTN7034A
Carry Acc. / Cable Acc.: NTN8266B / HMN4104A
Start Power: 5.59 (W)

Note:

Calculated: 11.31 mW/g (1g); 7.38 mW/g (10g)

Comments: Full Scan

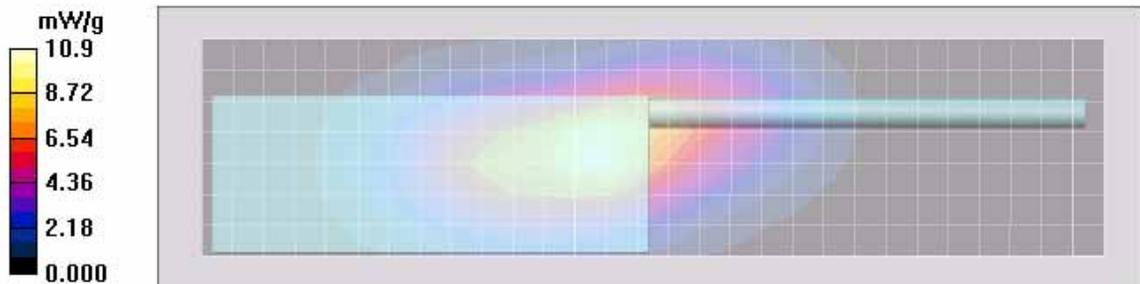
Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: f = 467 MHz; sigma = 0.94 mho/m; epsilon = 54.4; rho = 1000 kg/m^3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 91.8 V/m; Power Drift = -0.0749 dB
Peak SAR (extrapolated) = 18.3 W/kg
SAR(1 g) = 11.3 mW/g; SAR(10 g) = 7.38 mW/g
Maximum value of SAR (measured) = 12.1 mW/g

Ab Scan/Area Scan (71x291x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 91.8 V/m; Power Drift = -0.0544 dB
Motorola Fast SAR: SAR(1 g) = 10.7 mW/g; SAR(10 g) = 7.63 mW/g
Maximum value of SAR (interpolated) = 11.5 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 12.3 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 2/20/2010 1:23:20 PM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100220-08
Phantom# / Tissue Temp.: OVAL1016 / 21.1 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 450.0000 (MHz)
Battery: NNIN7034A
Carry Acc. / Cable Acc.: HLN6875A / HMN4104A
Start Power: 5.67 (W)

Note:

Calculated: 5.44 mW/g (1g); 4.04 mW/g (10g)

Comments: Full Scan

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)

Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: f = 467 MHz; sigma = 0.94 mho/m; epsilon_p = 54.4; rho = 1000 kg/m^3

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

Reference Value = 64.6 V/m; Power Drift = -0.0548 dB

Peak SAR (extrapolated) = 7.31 W/kg

SAR(1 g) = 5.44 mW/g; SAR(10 g) = 4.04 mW/g

Maximum value of SAR (measured) = 5.72 mW/g

Ab Scan/Area Scan (71x291x1): Measurement grid: dx=15mm, dy=15mm

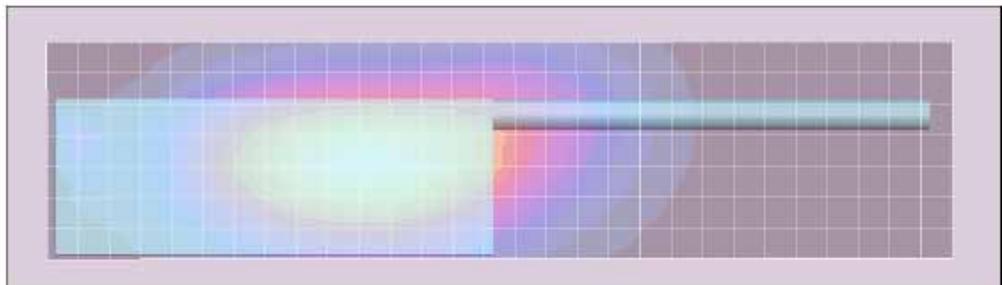
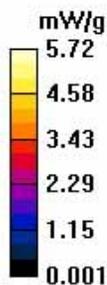
Reference Value = 64.6 V/m; Power Drift = -0.034 dB

Motorola Fast SAR: SAR(1 g) = 5.47 mW/g; SAR(10 g) = 4.05 mW/g

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

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

Maximum value of SAR (measured) = 5.71 mW/g



Section 6.0

UHF Assessment of the offered antenna PMAT4001A, battery NNTN7034A, and audio cable PMLN5101A. (Section 13.1 Table 17)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 2/21/2010 2:13:29 PM

Robot# / Run#: DASY4-FL-2 / MeC-Ab-100221-05
Phantom# / Tissue Temp.: OVAL1016 / 21.5 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 450.0000 (MHz)
Battery: NNTN7034A
Carry Acc. / Cable Acc.: NTN8266B / PMLN5101A
Start Power: 5.63 (W)

Note:

Calculated: 11.47 mW/g (1g); 7.49 mW/g (10g)

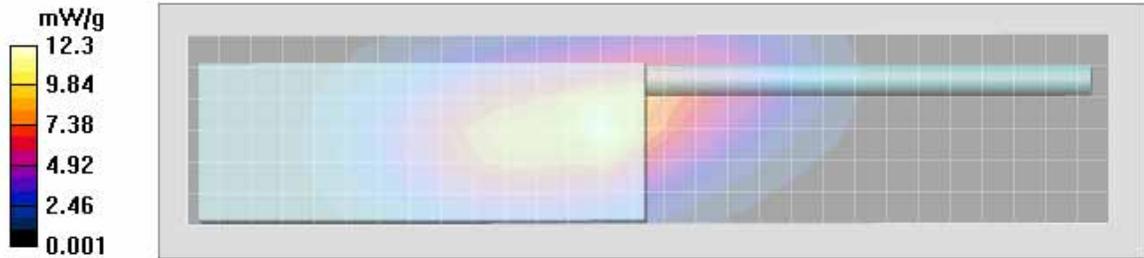
Comments: Full Scan

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 467 MHz; sigma = 0.93 mho/m; epsilon = 54.3; rho = 1000 kg/m^3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 90.0 V/m; Power Drift = -0.105 dB
Peak SAR (extrapolated) = 18.4 W/kg
SAR(1 g) = 11.4 mW/g; SAR(10 g) = 7.46 mW/g
Maximum value of SAR (measured) = 12.3 mW/g

Ab Scan/Area Scan (61x291x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 90.0 V/m; Power Drift = -0.0768 dB
Motorola Fast SAR: SAR(1 g) = 11.3 mW/g; SAR(10 g) = 7.81 mW/g
Maximum value of SAR (interpolated) = 12.4 mW/g

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



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 2/21/2010 8:04:02 PM

Robot# / Run#: DASY4-FL-2 / MeC-Ab-100221-11
Phantom# / Tissue Temp.: OVAL1016 / 21.7 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 450.0000 (MHz)
Battery: NNTN7034A
Carry Acc. / Cable Acc.: HLN6875A / PMLN5101A
Start Power: 5.61 (W)

Note:

Calculated: 5.92 mW/g (1g); 4.39 mW/g (10g)

Comments: Full Scan

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)

Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: f = 467 MHz; sigma = 0.93 mho/m; epsilon_r = 54.3; rho = 1000 kg/m^3

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

Reference Value = 62.3 V/m; Power Drift = -0.0807 dB

Peak SAR (extrapolated) = 7.89 W/kg

SAR(1 g) = 5.88 mW/g; SAR(10 g) = 4.37 mW/g

Maximum value of SAR (measured) = 6.16 mW/g

Ab Scan/Area Scan (61x291x1): Measurement grid: dx=15mm, dy=15mm

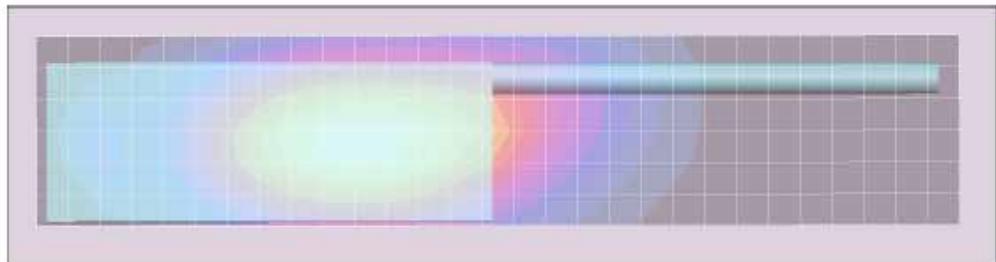
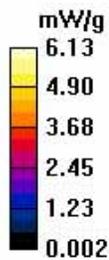
Reference Value = 62.3 V/m; Power Drift = -0.0593 dB

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

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

Maximum value of SAR (measured) = 6.13 mW/g



Section 7.0

UHF Assessment of the offered antenna PMAT4001A, battery NNTN7038A, and audio cable HMN4104A. (Section 13.1 Table 18)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 2/23/2010 3:35:56 PM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100223-02
Phantom# / Tissue Temp.: OVAL1016 / 20.9 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 450.0000 (MHz)
Battery: NNTN7038A
Carry Acc. / Cable Acc.: NTN8266B / HMN4104A
Start Power: 5.60 (W)

Note:

Calculated: 11.67 mW/g (1g); 7.77 mW/g (10g)

Comments: Full Scan

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: f = 467 MHz; sigma = 0.93 mho/m; epsilon_r = 54.3; rho = 1000 kg/m^3

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

Reference Value = 97.9 V/m; Power Drift = -0.0237 dB

Peak SAR (extrapolated) = 18.3 W/kg

SAR(1 g) = 11.6 mW/g; SAR(10 g) = 7.74 mW/g

Maximum value of SAR (measured) = 12.6 mW/g

Ab Scan/Area Scan (71x261x1): Measurement grid: dx=15mm, dy=15mm

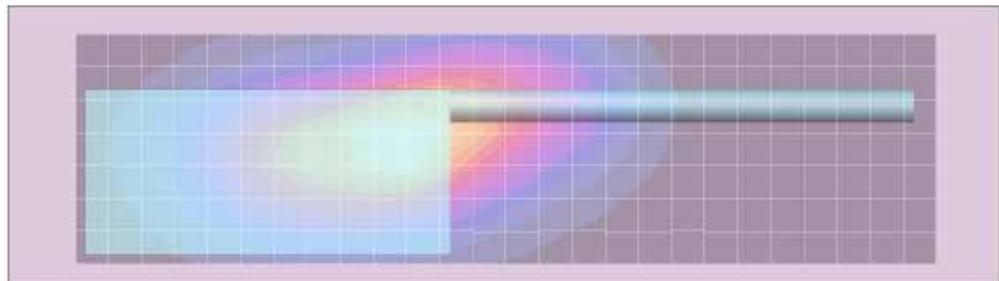
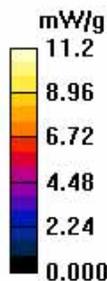
Reference Value = 97.9 V/m; Power Drift = -0.0145 dB

Motorola Fast SAR: SAR(1 g) = 10.9 mW/g; SAR(10 g) = 7.89 mW/g

Maximum value of SAR (interpolated) = 11.6 mW/g

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

Maximum value of SAR (measured) = 12.4 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 2/24/2010 8:36:32 AM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100224-02
Phantom# / Tissue Temp.: OVAL1016 / 21.4 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 450.0000 (MHz)
Battery: NNTN7038A
Carry Acc. / Cable Acc.: HLN6875A / HMN4104A
Start Power: 5.61 (W)

Note:

Calculated: 6.63 mW/g (1g); 2.74 mW/g (10g)

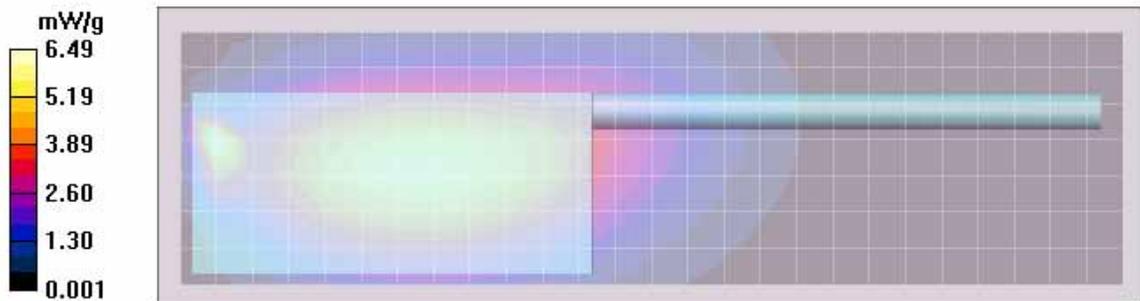
Comments: Full Scan

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 467 MHz; sigma = 0.92 mho/m; epsilon = 54.5; rho = 1000 kg/m^3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 65.0 V/m; Power Drift = 0.0428 dB
Peak SAR (extrapolated) = 27.0 W/kg
SAR(1 g) = 6.56 mW/g; SAR(10 g) = 2.72 mW/g
Maximum value of SAR (measured) = 6.09 mW/g

Ab Scan/Area Scan (71x261x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 65.0 V/m; Power Drift = 0.0454 dB
Motorola Fast SAR: SAR(1 g) = 5.7 mW/g; SAR(10 g) = 4.21 mW/g
Maximum value of SAR (interpolated) = 7.51 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 7.53 mW/g



Section 8.0

UHF Assessment of the offered antenna PMAT4001A, battery NNTN7038A, and audio cable PMLN5101A. (Section 13.1 Table 19)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 2/23/2010 10:06:00 PM

Robot# / Run#: DASY4-FL-2 / MeC-Ab-100223-08
Phantom# / Tissue Temp.: OVAL1016 / 21.1 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 450.0000 (MHz)
Battery: NNTN7038A
Carry Acc. / Cable Acc.: NTN8266B / PMLN5101A
Start Power: 5.62 (W)

Note:

Calculated: 10.76 mW/g (1g); 7.30 mW/g (10g)

Comments: Full Scan

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)

Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: f = 467 MHz; sigma = 0.93 mho/m; epsilon_t = 54.3; rho = 1000 kg/m^3

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

Reference Value = 86.7 V/m; Power Drift = -0.109 dB

Peak SAR (extrapolated) = 16.5 W/kg

SAR(1 g) = 10.7 mW/g; SAR(10 g) = 7.27 mW/g

Maximum value of SAR (measured) = 11.5 mW/g

Ab Scan/Area Scan (71x261x1): Measurement grid: dx=15mm, dy=15mm

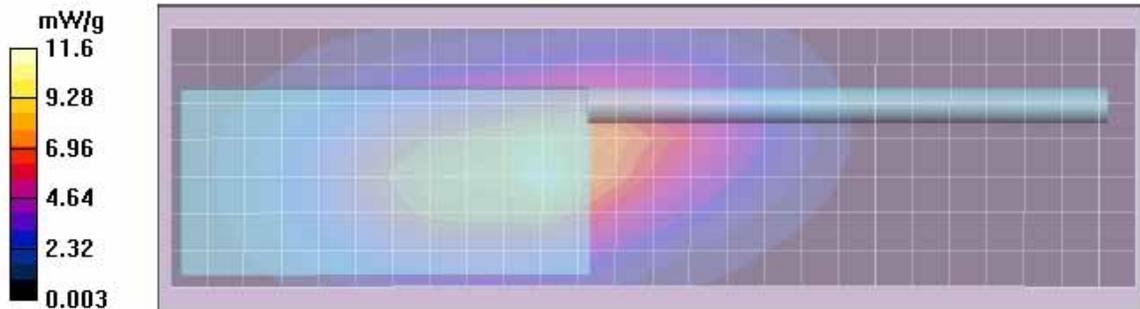
Reference Value = 86.7 V/m; Power Drift = -0.0891 dB

Motorola Fast SAR: SAR(1 g) = 10.7 mW/g; SAR(10 g) = 7.53 mW/g

Maximum value of SAR (interpolated) = 11.5 mW/g

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

Maximum value of SAR (measured) = 11.6 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 2/24/2010 4:04:41 PM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100224-11
Phantom# / Tissue Temp.: OVAL1016 / 21.3 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 450.0000 (MHz)
Battery: NNTN7038A
Carry Acc. / Cable Acc.: HLN6875A / PMLN5101A
Start Power: 5.70 (W)

Note:

Calculated: 6.38 mW/g (1g); 2.75 mW/g (10g)

Comments: Full Scan

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)

Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: f = 467 MHz; sigma = 0.92 mho/m; epsilon_t = 54.5; rho = 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 = 0.0161 dB

Peak SAR (extrapolated) = 24.4 W/kg

SAR(1 g) = 6.31 mW/g; SAR(10 g) = 2.73 mW/g

Maximum value of SAR (measured) = 6.36 mW/g

Ab Scan/Area Scan (71x261x1): Measurement grid: dx=15mm, dy=15mm

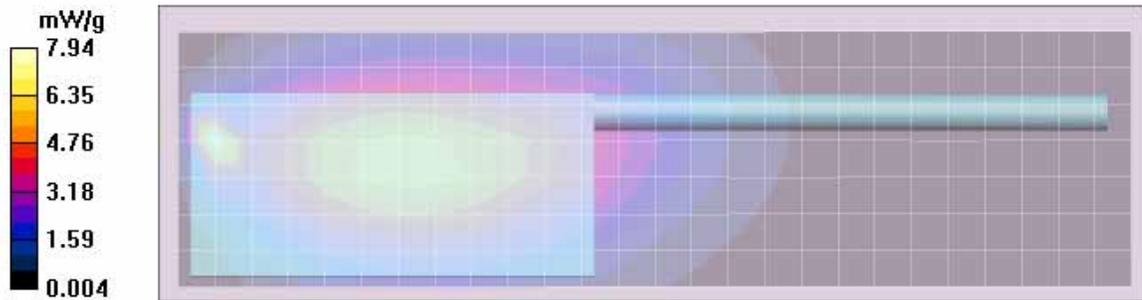
Reference Value = 71.4 V/m; Power Drift = 0.0248 dB

Motorola Fast SAR: SAR(1 g) = 6.58 mW/g; SAR(10 g) = 4.53 mW/g

Maximum value of SAR (interpolated) = 8.78 mW/g

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

Maximum value of SAR (measured) = 7.38 mW/g



Section 9.0

UHF Assessment without offered body worn accessories at 2.5cm (Section 13.1 Table 20)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 3/5/2010 8:51:22 AM

Robot# / Run#: DASY4-FL-2 / ErC-Ab-100305-04
Phantom# / Tissue Temp.: OVAL1016 / 20.2 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAE4065A / 502.5000 (MHz)
Battery: NNTN7034A
Carry Acc. / Cable Acc.: None / PMLN5101A
Start Power: 5.57 (W)

Note:

Calculated: 2.27 mW/g (1g); 1.69 mW/g (10g)

Comments: Full Scan - Back of radio @2.5 cm .

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)

Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: f = 503 MHz; sigma = 0.97 mho/m; epsilon = 53.8; rho = 1000 kg/m^3

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

Reference Value = 39.7 V/m; Power Drift = 0.0663 dB

Peak SAR (extrapolated) = 3.04 W/kg

SAR(1 g) = 2.27 mW/g; SAR(10 g) = 1.69 mW/g

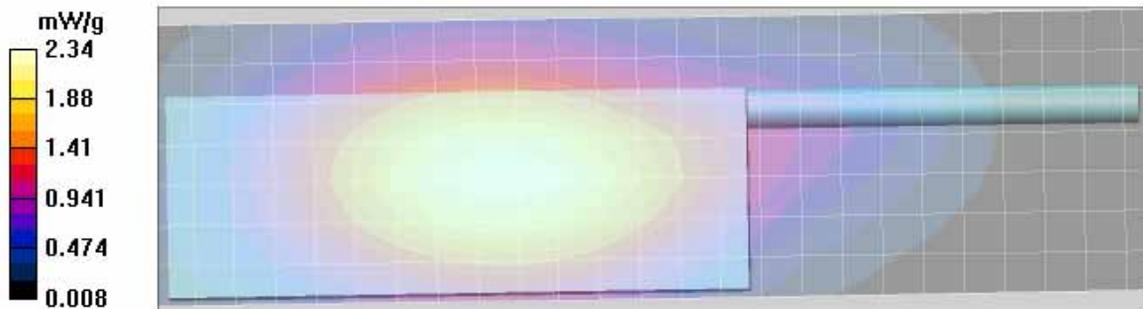
Maximum value of SAR (measured) = 2.39 mW/g

Ab Scan/Area Scan (8x26x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.34 mW/g

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

Maximum value of SAR (measured) = 2.35 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 3/5/2010 12:45:19 PM

Robot# / Run#: DASY4-FL-2 / ErC-Ab-100305-08
Phantom# / Tissue Temp.: OVAL1016 / 20.0 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 450.0000 (MHz)
Battery: NNTN7034A
Carry Acc. / Cable Acc.: None / PMLN5101A
Start Power: 5.72 (W)

Note:

Calculated: 4.05 mW/g (1g); 3.04 mW/g (10g)

Comments: Full Scan - Back of radio @2.5 cm .

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.19, 7.19, 7.19)

Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: f = 467 MHz; sigma = 0.94 mho/m; epsilon = 54.5; rho = 1000 kg/m^3

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

Reference Value = 59.6 V/m; Power Drift = 0.020 dB

Peak SAR (extrapolated) = 5.44 W/kg

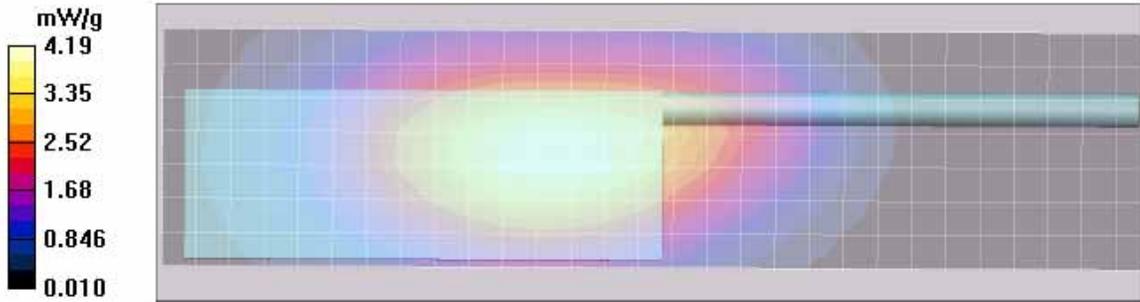
SAR(1 g) = 4.05 mW/g; SAR(10 g) = 3.04 mW/g

Maximum value of SAR (measured) = 4.24 mW/g

Ab Scan/Area Scan (8x30x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 4.19 mW/g

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



Section 10.0

UHF Assessment at the face with antenna PMAE4065A and battery NNTN7034A (Section 13.1 Table 21)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 2/26/2010 1:00:46 AM

Robot# / Run#: DASY4-FL-2 / MeC-Face-100225-19
Phantom# / Tissue Temp.: OVAL1011 / 20.9 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAE4065A / 512.0000 (MHz)
Battery: NNTN7034A
Carry Acc. / Cable Acc.: None / None
Start Power: 5.48 (W)

Note:

Calculated: 4.67 mW/g (1g); 3.44 mW/g (10g)

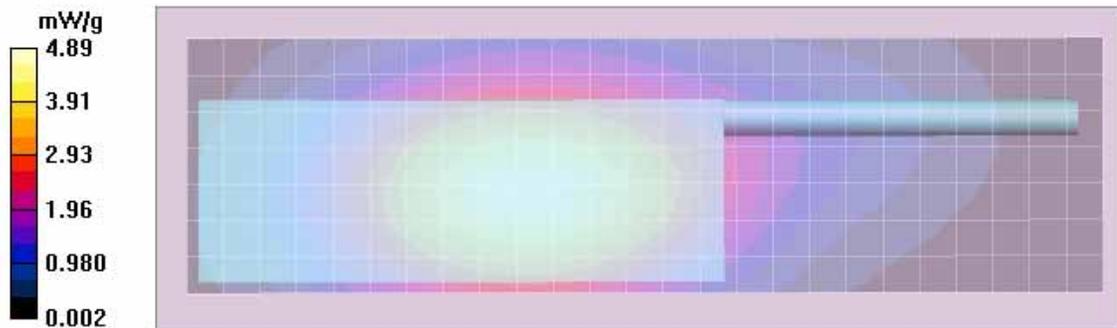
Comments: Back of DUT Facing Phantom;

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(6.76, 6.76, 6.76)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 503 MHz; sigma = 0.89 mho/m; epsilon_t = 42.2; rho = 1000 kg/m^3

Face Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 60.7 V/m; Power Drift = -0.0846 dB
Peak SAR (extrapolated) = 6.32 W/kg
SAR(1 g) = 4.67 mW/g; SAR(10 g) = 3.44 mW/g
Maximum value of SAR (measured) = 4.93 mW/g

Face Scan/Area Scan (71x251x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 60.7 V/m; Power Drift = -0.0576 dB
Motorola Fast SAR: SAR(1 g) = 4.69 mW/g; SAR(10 g) = 3.48 mW/g
Maximum value of SAR (interpolated) = 4.92 mW/g

Face Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 4.89 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 2/26/2010 4:31:12 PM

Robot# / Run#: DASY4-FL-2 / JsT-Face-100226-12
Phantom# / Tissue Temp.: OVAL1011 / 20.7 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAE4065A / 512.0000 (MHz)
Battery: NNTN7034A
Carry Acc. / Cable Acc.: None / None
Start Power: 5.57 (W)

Note:

Calculated: 3.94 mW/g (1g); 2.97 mW/g (10g)

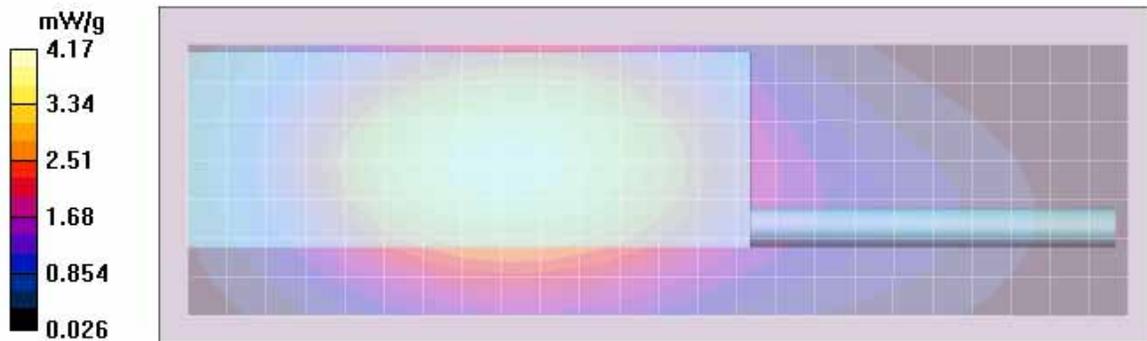
Comments: Full Scan; Front of DUT Facing Phantom.

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(6.76, 6.76, 6.76)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 503 MHz; sigma = 0.9 mho/m; epsilon = 41.5; rho = 1000 kg/m^3

Face Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 60.8 V/m; Power Drift = 0.100 dB
Peak SAR (extrapolated) = 5.18 W/kg
SAR(1 g) = 3.94 mW/g; SAR(10 g) = 2.97 mW/g
Maximum value of SAR (measured) = 4.12 mW/g

Face Scan/Area Scan (71x241x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 60.8 V/m; Power Drift = 0.132 dB
Motorola Fast SAR: SAR(1 g) = 3.97 mW/g; SAR(10 g) = 2.95 mW/g
Maximum value of SAR (interpolated) = 4.17 mW/g

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



Section 11.0

UHF Assessment at the face with antenna PMAE4065A and battery NNTN7038A (Section 13.1 Table 22)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 2/26/2010 7:48:25 AM

Robot# / Run#: DASY4-FL-2 / JsT-Face-100226-02
Phantom# / Tissue Temp.: OVAL1011 / 21.3 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAE4065A / 450.0000 (MHz)
Battery: NNTN7038A
Carry Acc. / Cable Acc.: None / None
Start Power: 5.62 (W)

Note:

Calculated: 4.61 mW/g (1g); 3.47 mW/g (10g)

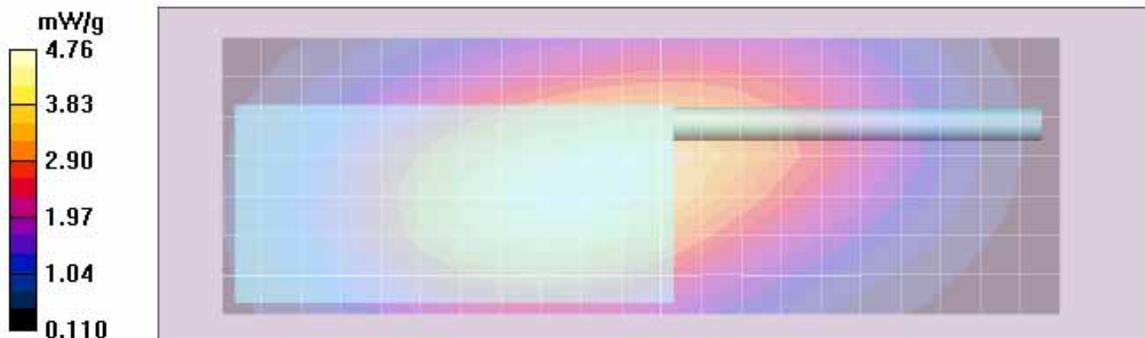
Comments: Full Scan; Back of DUT Facing Phantom.

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(6.76, 6.76, 6.76)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 467 MHz; sigma = 0.87 mho/m; epsilon_r = 42.3; rho = 1000 kg/m^3

Face Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 68.1 V/m; Power Drift = 0.0612 dB
Peak SAR (extrapolated) = 6.05 W/kg
SAR(1 g) = 4.61 mW/g; SAR(10 g) = 3.47 mW/g
Maximum value of SAR (measured) = 4.83 mW/g

Face Scan/Area Scan (71x211x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 68.1 V/m; Power Drift = 0.0637 dB
Motorola Fast SAR: SAR(1 g) = 4.56 mW/g; SAR(10 g) = 3.41 mW/g
Maximum value of SAR (interpolated) = 4.78 mW/g

Face Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 4.85 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 2/26/2010 6:34:37 PM

Robot# / Run#: DASY4-FL-2 / CM-Face-100226-14
Phantom# / Tissue Temp.: OVAL1011 / 20.6 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAE4065A / 450.0000 (MHz)
Battery: NNTN7038A
Carry Acc. / Cable Acc.: None / None
Start Power: 5.60 (W)

Note:

Calculated: 4.12 mW/g (1g); 3.15 mW/g (10g)

Comments: Full Scan; Front of DUT Facing Phantom.

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(6.76, 6.76, 6.76)

Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 467$ MHz; $\sigma = 0.87$ mho/m; $\epsilon_r = 42.3$; $\rho = 1000$ kg/m³

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

Reference Value = 67.6 V/m; Power Drift = 0.0744 dB

Peak SAR (extrapolated) = 5.32 W/kg

SAR(1 g) = 4.12 mW/g; SAR(10 g) = 3.15 mW/g

Maximum value of SAR (measured) = 4.31 mW/g

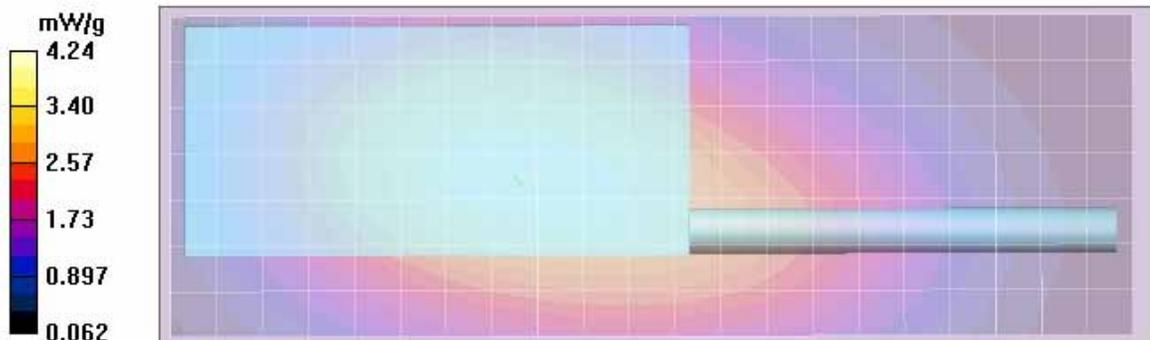
Face Scan/Area Scan (71x211x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 67.6 V/m; Power Drift = 0.0662 dB

Motorola Fast SAR: SAR(1 g) = 4.09 mW/g; SAR(10 g) = 3.06 mW/g

Maximum value of SAR (interpolated) = 4.29 mW/g

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



Section 12.0

UHF Assessment at the face with antenna PMAT4001A and battery NNTN7034A (Section 13.1 Table 23)

Motorola Enterprise Mobility Solutions EME Laboratory Date/Time: 3/5/2010 6:42:25 AM

Robot# / Run#: DASY4-FL-2 / ErC-Face-100305-02
Phantom# / Tissue Temp.: OVAL1011 / 20.4 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 450.0000 (MHz)
Battery: NNTN7034A
Carry Acc. / Cable Acc.: None / None
Start Power: 5.62 (W)

Note:

Calculated: 5.06 mW/g (1g); 3.79 mW/g (10g)

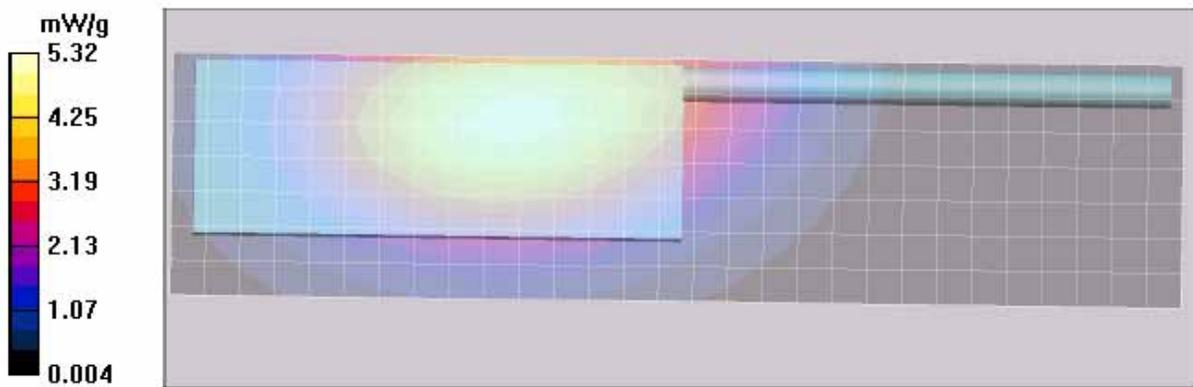
Comments: Full Scan; Back of DUT Facing Phantom.

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(6.76, 6.76, 6.76)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 467 MHz; sigma = 0.85 mho/m; epsilon_r = 42.2; rho = 1000 kg/m^3

Face Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 79.6 V/m; Power Drift = -0.0253 dB
Peak SAR (extrapolated) = 6.61 W/kg
SAR(1 g) = 5.01 mW/g; SAR(10 g) = 3.77 mW/g
Maximum value of SAR (measured) = 5.25 mW/g

Face Scan/Area Scan (8x30x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.32 mW/g

Face Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 5.30 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 2/27/2010 7:27:22 PM

Robot# / Run#: DASY4-FL-2 / JsT-Face-100227-16
Phantom# / Tissue Temp.: OVAL1011 / 21.1 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 450.0000 (MHz)
Battery: NNTN7034A
Carry Acc. / Cable Acc.: None / None
Start Power: 5.71 (W)

Note:

Calculated: 3.28 mW/g (1g); 2.50 mW/g (10g)

Comments: Full Scan; Front of DUT Facing Phantom.

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(6.76, 6.76, 6.76)

Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: $f = 467$ MHz; $\sigma = 0.87$ mho/m; $\epsilon_r = 42.3$; $\rho = 1000$ kg/m³

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

Reference Value = 57.1 V/m; Power Drift = 0.149 dB

Peak SAR (extrapolated) = 4.26 W/kg

SAR(1 g) = 3.28 mW/g; SAR(10 g) = 2.5 mW/g

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

Face Scan/Area Scan (71x291x1): Measurement grid: dx=15mm, dy=15mm

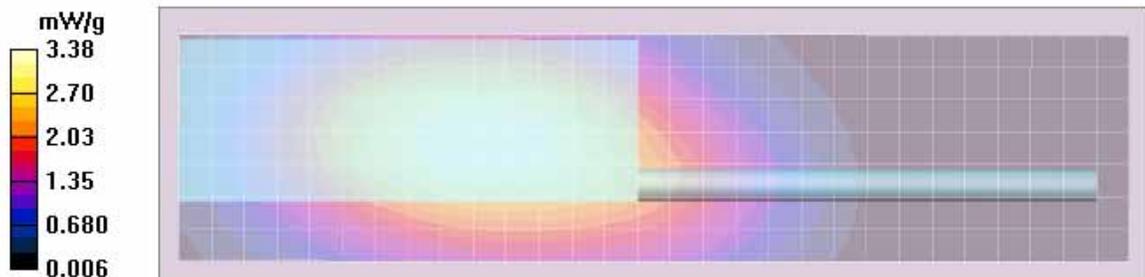
Reference Value = 57.1 V/m; Power Drift = 0.152 dB

Motorola Fast SAR: SAR(1 g) = 3.26 mW/g; SAR(10 g) = 2.44 mW/g

Maximum value of SAR (interpolated) = 3.41 mW/g

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

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



Section 13.0

UHF Assessment at the face with antenna PMAT4001A and battery NNTN7038A (Section 13.1 Table 24)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 2/27/2010 2:55:38 PM

Robot# / Run#: DASY4-FL-2 / JsT-Face-100227-10
Phantom# / Tissue Temp.: OVAL1011 / 21.0 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 450.0000 (MHz)
Battery: NNTN7038A
Carry Acc. / Cable Acc.: None / None
Start Power: 5.59 (W)

Note:

Calculated: 5.56 mW/g (1g); 4.17 mW/g (10g)

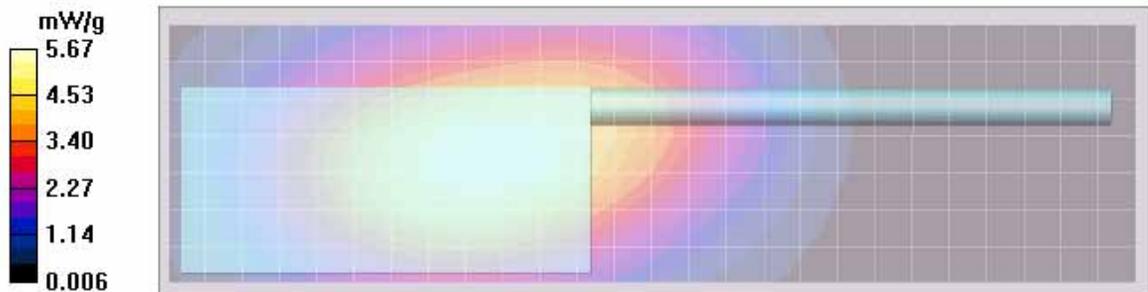
Comments: Full Scan; Back of DUT Facing Phantom.

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(6.76, 6.76, 6.76)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 467 MHz; sigma = 0.87 mho/m; epsilon = 42.3; rho = 1000 kg/m^3

Face Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 75.1 V/m; Power Drift = 0.0182 dB
Peak SAR (extrapolated) = 7.33 W/kg
SAR(1 g) = 5.56 mW/g; SAR(10 g) = 4.17 mW/g
Maximum value of SAR (measured) = 5.83 mW/g

Face Scan/Area Scan (71x261x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 75.1 V/m; Power Drift = 0.0168 dB
Motorola Fast SAR: SAR(1 g) = 5.52 mW/g; SAR(10 g) = 4.12 mW/g
Maximum value of SAR (interpolated) = 5.78 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 Enterprise Mobility Solutions EME Laboratory
Date/Time: 2/28/2010 6:36:35 AM

Robot# / Run#: DASY4-FL-2 / HvH-Face-100228-02
Phantom# / Tissue Temp.: OVAL1011 / 21.5 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 450.0000 (MHz)
Battery: NNTN7038A
Carry Acc. / Cable Acc.: None / None
Start Power: 5.61 (W)

Note:

Calculated: 4.73 mW/g (1g); 3.58 mW/g (10g)

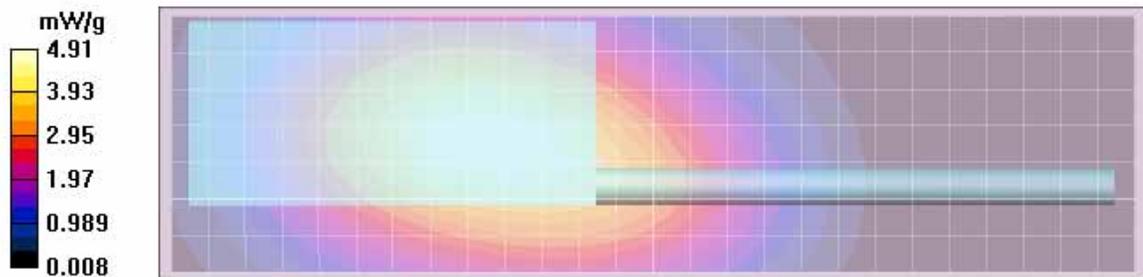
Comments: Full Scan; Front of DUT Facing Phantom.

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(6.76, 6.76, 6.76)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: $f = 467$ MHz; $\sigma = 0.87$ mho/m; $\epsilon_r = 42.3$; $\rho = 1000$ kg/m³

Face Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 67.8 V/m; Power Drift = 0.105 dB
Peak SAR (extrapolated) = 6.18 W/kg
SAR(1 g) = 4.73 mW/g; SAR(10 g) = 3.58 mW/g
Maximum value of SAR (measured) = 4.96 mW/g

Face Scan/Area Scan (71x261x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 67.8 V/m; Power Drift = 0.109 dB
Motorola Fast SAR: SAR(1 g) = 4.74 mW/g; SAR(10 g) = 3.55 mW/g
Maximum value of SAR (interpolated) = 4.97 mW/g

Face Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 4.97 mW/g



Section 14.0

VHF Assessment of the offered antenna PMAT4001A, battery NNTN7034A, and audio cable HMN4104A. (Section 13.2 Table 25)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 2/28/2010 3:58:57 PM

Robot# / Run#: DASY4-FL-2 / CM-Ab-100228-15
Phantom# / Tissue Temp.: OVAL1022 / 20.7 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 173.4000 (MHz)
Battery: NNTN7034A
Carry Acc. / Cable Acc.: NTN8266B / HMN4104A
Start Power: 6.54 (W)

Note:

Calculated: 1.92 mW/g (1g); 1.45 mW/g (10g)

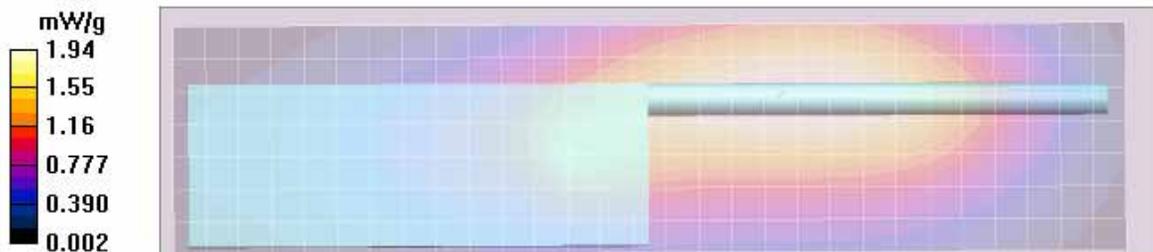
Comments: Full Scan.

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.9, 7.9, 7.9)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 168 MHz; sigma = 0.79 mho/m; epsilon_t = 60.6; rho = 1000 kg/m^3

Ab Scan/5x5x7 Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 52.2 V/m; Power Drift = -0.551 dB
Peak SAR (extrapolated) = 2.64 W/kg
SAR(1 g) = 1.91 mW/g; SAR(10 g) = 1.45 mW/g
Maximum value of SAR (measured) = 1.98 mW/g

Ab Scan/Area Scan (71x291x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 52.2 V/m; Power Drift = -0.406 dB
Motorola Fast SAR: SAR(1 g) = 1.97 mW/g; SAR(10 g) = 1.5 mW/g
Maximum value of SAR (interpolated) = 2.06 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.94 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 2/28/2010 11:37:41 PM

Robot# / Run#: DASY4-FL-2 / CM-Ab-100228-23
Phantom# / Tissue Temp.: OVAL1022 / 20.7 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 173.4000 (MHz)
Battery: NNTN7034A
Carry Acc. / Cable Acc.: HLN6875A / HMN4104A
Start Power: 6.55 (W)

Note:

Calculated: 6.21 mW/g (1g); 2.09 mW/g (10g)

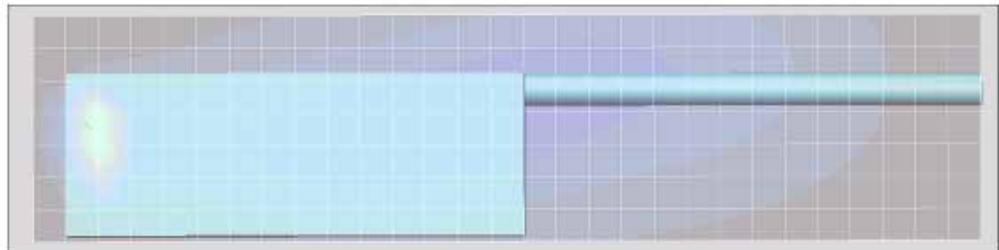
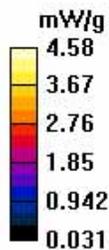
Comments: Full Scan.

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.9, 7.9, 7.9)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 168 MHz; sigma = 0.79 mho/m; epsilon_r = 60.6; rho = 1000 kg/m^3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 38.7 V/m; Power Drift = -0.697 dB
Peak SAR (extrapolated) = 32.8 W/kg
SAR(1 g) = 6.17 mW/g; SAR(10 g) = 2.09 mW/g
Maximum value of SAR (measured) = 5.68 mW/g

Ab Scan/Area Scan (71x291x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 38.7 V/m; Power Drift = -0.573 dB
Motorola Fast SAR: SAR(1 g) = 4.12 mW/g; SAR(10 g) = 2.45 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) = 6.67 mW/g



Section 15.0

VHF Assessment of the offered antenna PMAT4001A, battery NNTN7034A, and audio cable PMLN5101A. (Section 13.2 Table 26)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 3/1/2010 9:21:27 AM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100301-10
Phantom# / Tissue Temp.: OVAL1022 / 20.6 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 173.4000 (MHz)
Battery: NNTN7034A
Carry Acc. / Cable Acc.: NTN8266B / PMLN5101A
Start Power: 6.52 (W)

Note:

Calculated: 1.80 mW/g (1g); 1.18 mW/g (10g)

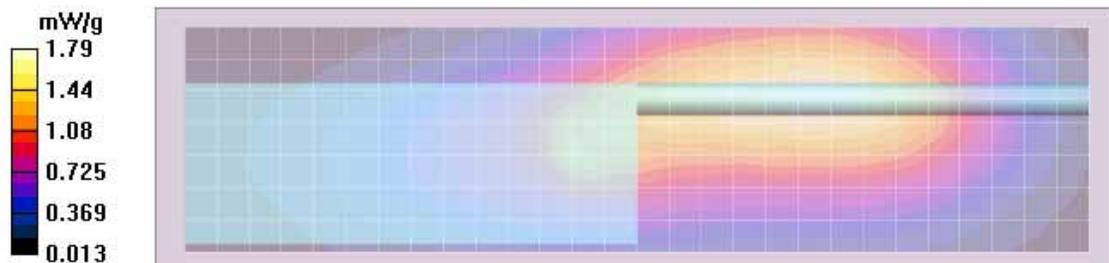
Comments: Full Scan

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.9, 7.9, 7.9)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 168 MHz; sigma = 0.79 mho/m; epsilon_t = 60.5; rho = 1000 kg/m^3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 47.0 V/m; Power Drift = -0.543 dB
Peak SAR (extrapolated) = 4.65 W/kg
SAR(1 g) = 1.79 mW/g; SAR(10 g) = 1.18 mW/g
Maximum value of SAR (measured) = 1.70 mW/g

Ab Scan/Area Scan (71x281x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 47.0 V/m; Power Drift = -0.404 dB
Motorola Fast SAR: SAR(1 g) = 1.72 mW/g; SAR(10 g) = 1.29 mW/g
Maximum value of SAR (interpolated) = 1.81 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.67 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 3/1/2010 3:35:44 PM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100301-17
Phantom# / Tissue Temp.: OVAL1022 / 20.6 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 173.4000 (MHz)
Battery: NNTN7034A
Carry Acc. / Cable Acc.: HLN6875A / PMLN5101A
Start Power: 6.58 (W)

Note:

Calculated: 1.68 mW/g (1g); 0.750 mW/g (10g)

Comments: Full Scan

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.9, 7.9, 7.9)

Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: f = 168 MHz; sigma = 0.79 mho/m; epsilon_r = 60.5; rho = 1000 kg/m^3

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

Reference Value = 33.5 V/m; Power Drift = -0.520 dB

Peak SAR (extrapolated) = 4.85 W/kg

SAR(1 g) = 1.67 mW/g; SAR(10 g) = 0.749 mW/g

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

Ab Scan/Area Scan (71x291x1): Measurement grid: dx=15mm, dy=15mm

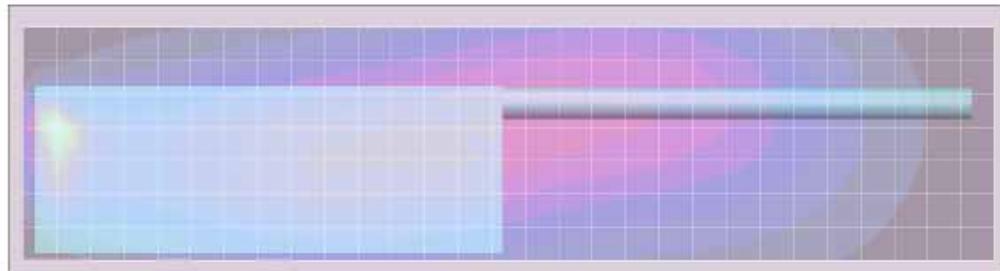
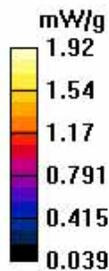
Reference Value = 33.5 V/m; Power Drift = -0.426 dB

Motorola Fast SAR: SAR(1 g) = 1.64 mW/g; SAR(10 g) = 0.953 mW/g

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

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

Maximum value of SAR (measured) = 1.94 mW/g



Section 16.0

VHF Assessment of the offered antenna PMAT4001A, battery NNTN7038A, and audio cable HMN4104A. (Section 13.2 Table 27)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 3/1/2010 10:00:39 PM

Robot# / Run#: DASY4-FL-2 / CM-Ab-100301-25
Phantom# / Tissue Temp.: OVAL1022 / 20.8 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 173.4000 (MHz)
Battery: NNTN7038A
Carry Acc. / Cable Acc.: NTN8266B / HMN4104A
Start Power: 6.61 (W)

Note:

Calculated: 1.62 mW/g (1g); 1.09 mW/g (10g)

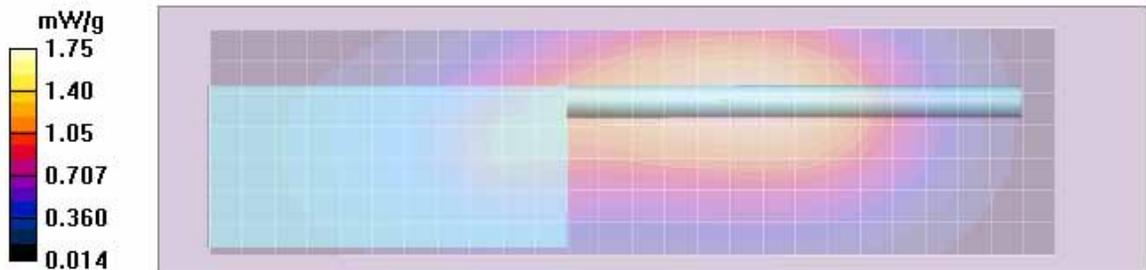
Comments: Full Scan

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.9, 7.9, 7.9)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 168 MHz; sigma = 0.79 mho/m; epsilon = 60.5; rho = 1000 kg/m^3

Ab Scan/5x5x7 Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 47.6 V/m; Power Drift = -0.669 dB
Peak SAR (extrapolated) = 2.84 W/kg
SAR(1 g) = 1.61 mW/g; SAR(10 g) = 1.09 mW/g
Maximum value of SAR (measured) = 1.67 mW/g

Ab Scan/Area Scan (71x261x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 47.6 V/m; Power Drift = -0.378 dB
Motorola Fast SAR: SAR(1 g) = 1.68 mW/g; SAR(10 g) = 1.27 mW/g
Maximum value of SAR (interpolated) = 1.76 mW/g

Ab 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: 3/9/2010 4:25:43 PM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100309-12
Phantom# / Tissue Temp.: OVAL1022 / 21.1 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 173.4000 (MHz)
Battery: NNTN7038A
Carry Acc. / Cable Acc.: HLN6875A / HMN4104A
Start Power: 6.63 (W)

Note:

Calculated: 3.65 mW/g (1g); 1.30 mW/g (10g)

Comments: Full Scan

Probe: ES3DV2 - SN3006, Calibrated: 5/19/2009, ConvF(7.8, 7.8, 7.8)

Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: f = 168 MHz; sigma = 0.85 mho/m; epsilon_r = 59.7; rho = 1000 kg/m^3

Ab 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 = -0.645 dB

Peak SAR (extrapolated) = 17.2 W/kg

SAR(1 g) = 3.65 mW/g; SAR(10 g) = 1.3 mW/g

Maximum value of SAR (measured) = 4.00 mW/g

Ab Scan/Area Scan (71x261x1): Measurement grid: dx=15mm, dy=15mm

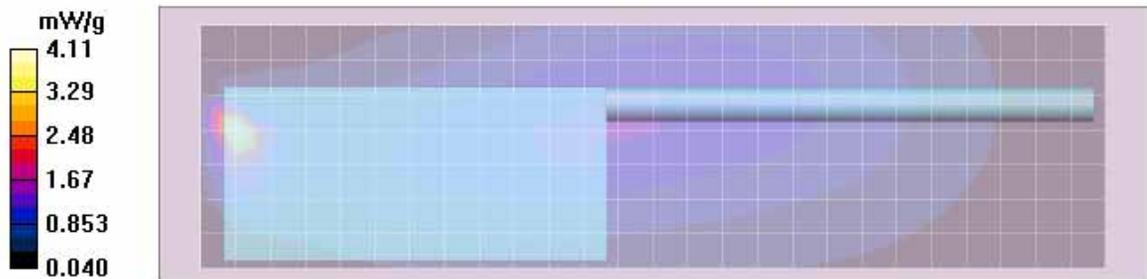
Reference Value = 38.5 V/m; Power Drift = -0.484 dB

Motorola Fast SAR: SAR(1 g) = 3.34 mW/g; SAR(10 g) = 1.71 mW/g

Maximum value of SAR (interpolated) = 4.63 mW/g

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

Maximum value of SAR (measured) = 4.19 mW/g



Section 17.0

VHF Assessment of the offered antenna PMAT4001A, battery NNTN7038A, and audio cable PMLN5101A. (Section 13.2 Table 28)

Motorola Enterprise Mobility Solutions EME Laboratory Date/Time: 3/2/2010 5:48:34 PM

Robot# / Run#: DASY4-FL-2 / CM-Ab-100302-21 Phantom# / Tissue Temp.: OVAL1022 / 22.0 (C) DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M Antenna / TX Freq.: PMAT4001A / 173.4000 (MHz) Battery: NNTN7038A Carry Acc. / Cable Acc.: NTN8266B / PMLN5101A Start Power: 6.50 (W)

Note:

Calculated: 1.97 mW/g (1g); 1.45 mW/g (10g)

Comments: Full Scan

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.9, 7.9, 7.9)

Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: f = 168 MHz; sigma = 0.84 mho/m; epsilon = 60.5; rho = 1000 kg/m^3

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

Reference Value = 51.7 V/m; Power Drift = -0.580 dB

Peak SAR (extrapolated) = 2.82 W/kg

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

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

Ab Scan/Area Scan (61x261x1): Measurement grid: dx=15mm, dy=15mm

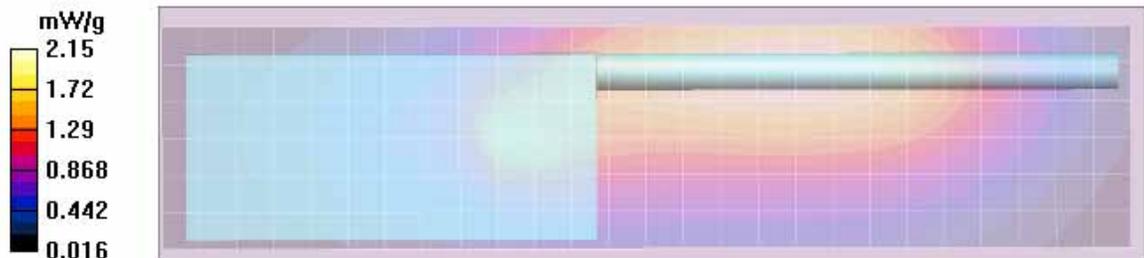
Reference Value = 51.7 V/m; Power Drift = -0.358 dB

Motorola Fast SAR: SAR(1 g) = 2.07 mW/g; SAR(10 g) = 1.57 mW/g

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

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

Maximum value of SAR (measured) = 2.02 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 3/2/2010 11:26:21 AM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100302-14
Phantom# / Tissue Temp.: OVAL1022 / 21.9 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 173.4000 (MHz)
Battery: NNTN7038A
Cary Acc. / Cable Acc.: HLN6875A / PMLN5101A
Start Power: 6.58 (W)

Note:

Calculated: 3.01 mW/g (1g); 1.08 mW/g (10g)

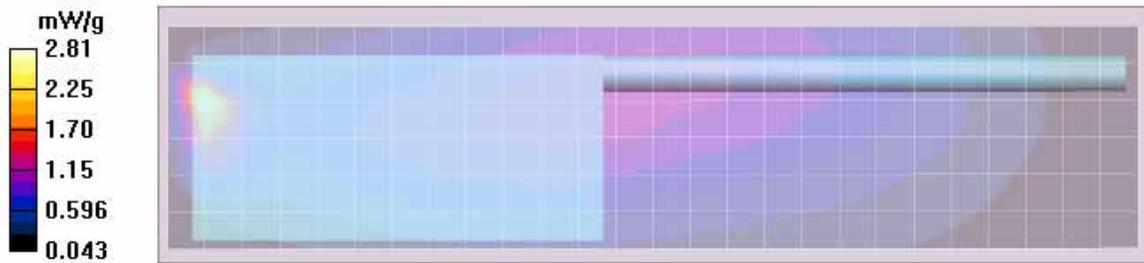
Comments: Full Scan

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.9, 7.9, 7.9)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: $f = 168$ MHz; $\sigma = 0.84$ mho/m; $\epsilon_r = 60.5$; $\rho = 1000$ kg/m³

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 37.1 V/m; Power Drift = -0.626 dB
Peak SAR (extrapolated) = 13.8 W/kg
SAR(1 g) = 3.01 mW/g; SAR(10 g) = 1.08 mW/g
Maximum value of SAR (measured) = 3.37 mW/g

Ab Scan/Area Scan (61x261x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 37.1 V/m; Power Drift = -0.470 dB
Motorola Fast SAR: SAR(1 g) = 2.42 mW/g; SAR(10 g) = 1.29 mW/g
Maximum value of SAR (interpolated) = 3.33 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.22 mW/g



Section 18.0

VHF Assessment without body worn accessories at 2.5cm
(Section 13.2 Table 29)

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 3/4/2010 5:10:17 PM

Robot# / Run#: DASY4-FL-2 / MeC-Ab-100304-11
Phantom# / Tissue Temp.: OVAL1022 / 20.0 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 173.4000 (MHz)
Battery: NNTN7034A
Carry Acc. / Cable Acc.: None / HMN4104A
Start Power: 6.52 (W)

Note:

Calculated: 2.31 mW/g (1g); 1.70 mW/g (10g)

Comments: Full Scan; Back of radio antenna @ 2.5 cm. from phantom.

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(7.9, 7.9, 7.9)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: f = 168 MHz; $\sigma = 0.83$ mho/m; $\epsilon_r = 61.1$; $\rho = 1000$ kg/m³

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

Reference Value = 56.0 V/m; Power Drift = -0.371 dB

Peak SAR (extrapolated) = 3.29 W/kg

SAR(1 g) = 2.31 mW/g; SAR(10 g) = 1.7 mW/g

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

Ab Scan/Area Scan (71x301x1): Measurement grid: dx=15mm, dy=15mm

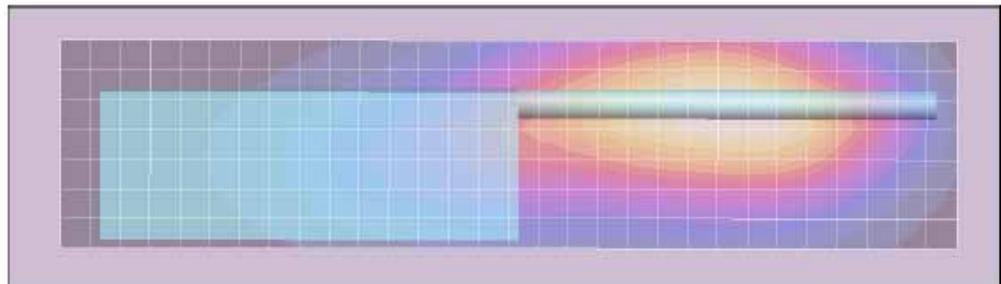
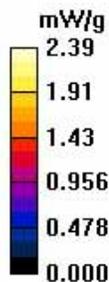
Reference Value = 56.0 V/m; Power Drift = -0.302 dB

Motorola Fast SAR: SAR(1 g) = 2.35 mW/g; SAR(10 g) = 1.77 mW/g

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

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

Maximum value of SAR (measured) = 2.39 mW/g



Section 19.0

VHF Assessment at the face with antenna PMAT4001A and battery NNTN7034A (Section 13.2 Table 30)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 3/3/2010 10:23:38 AM

Robot# / Run#: DASY4-FL-2 / JsT-Face-100303-05
Phantom# / Tissue Temp.: OVAL1021 / 21.6 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 173.4000 (MHz)
Battery: NNTN7034A
Carry Acc. / Cable Acc.: None / None
Start Power: 6.55 (W)

Note:

Calculated: 1.34 mW/g (1g); 1.03 mW/g (10g)

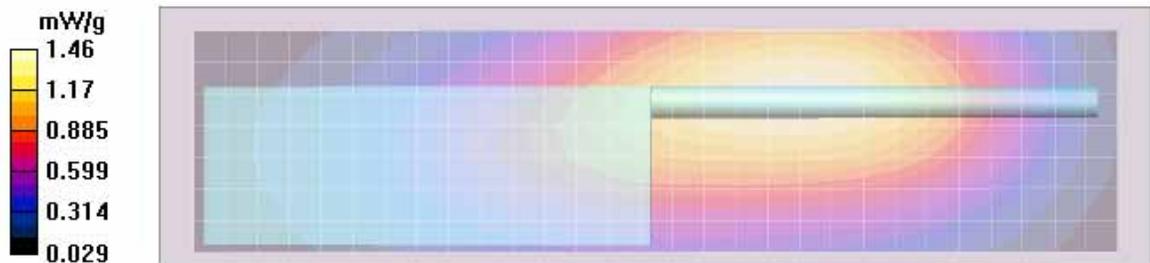
Comments: Full Scan; Back of DUT Facing Phantom.

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(8.2, 8.2, 8.2)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 168 MHz; sigma = 0.74 mho/m; epsilon = 51.6; rho = 1000 kg/m^3

Face Scan/5x5x7 Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 45.4 V/m; Power Drift = -0.672 dB
Peak SAR (extrapolated) = 1.80 W/kg
SAR(1 g) = 1.33 mW/g; SAR(10 g) = 1.03 mW/g
Maximum value of SAR (measured) = 1.38 mW/g

Face Scan/Area Scan (71x291x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 45.4 V/m; Power Drift = -0.457 dB
Motorola Fast SAR: SAR(1 g) = 1.39 mW/g; SAR(10 g) = 1.06 mW/g
Maximum value of SAR (interpolated) = 1.46 mW/g

Face Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.35 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 3/4/2010 7:20:16 AM

Robot# / Run#: DASY4-FL-2 / JsT-Face-100304-02
Phantom# / Tissue Temp.: OVAL1021 / 21.2 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 173.4000 (MHz)
Battery: NNTN7034A
Carry Acc. / Cable Acc.: None / None
Start Power: 6.52 (W)

Note:

Calculated: 1.35 mW/g (1g); 1.03 mW/g (10g)

Comments: Full Scan; Front of DUT Facing Phantom.

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(8.2, 8.2, 8.2)

Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: f = 168 MHz; sigma = 0.74 mho/m; epsilon_r = 51.9; rho = 1000 kg/m^3

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

Reference Value = 45.6 V/m; Power Drift = -0.689 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 1.34 mW/g; SAR(10 g) = 1.03 mW/g

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

Face Scan/Area Scan (71x291x1): Measurement grid: dx=15mm, dy=15mm

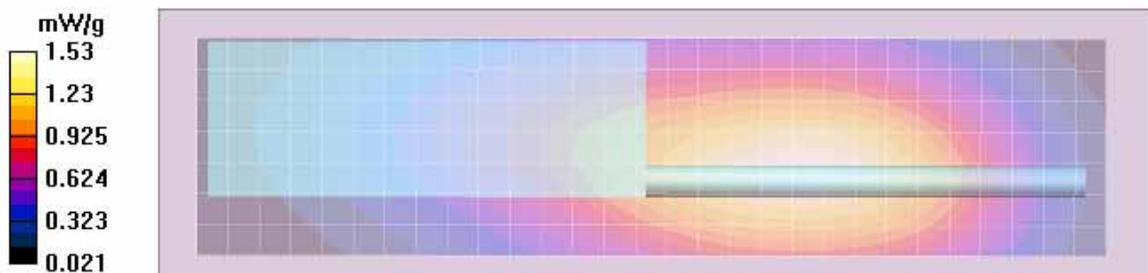
Reference Value = 45.6 V/m; Power Drift = -0.444 dB

Motorola Fast SAR: SAR(1 g) = 1.47 mW/g; SAR(10 g) = 1.11 mW/g

Maximum value of SAR (interpolated) = 1.53 mW/g

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

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



Section 20.0

VHF Assessment at the face with antenna PMAT4001A and battery NNTN7038A (Section 13.2 Table 31)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 3/3/2010 5:21:54 PM

Robot# / Run#: DASY4-FL-2 / MeC-Face-100303-12
Phantom# / Tissue Temp.: OVAL1021 / 21.1 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 173.4000 (MHz)
Battery: NNTN7038A
Carry Acc. / Cable Acc.: None / None
Start Power: 6.61 (W)

Note:

Calculated: 1.32 mW/g (1g); 1.01 mW/g (10g)

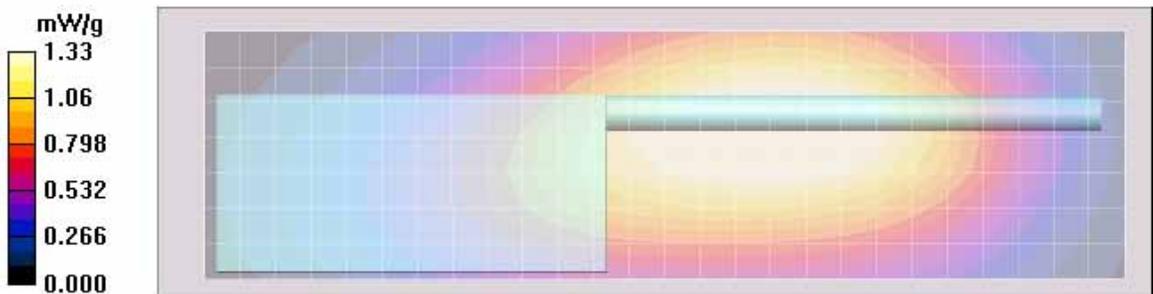
Comments: Full Scan; Back of DUT Facing Phantom.

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(8.2, 8.2, 8.2)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 168 MHz; sigma = 0.74 mho/m; epsilon_p = 51.6; rho = 1000 kg/m^3

Face Scan/5x5x7 Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 45.4 V/m; Power Drift = -0.802 dB
Peak SAR (extrapolated) = 1.77 W/kg
SAR(1 g) = 1.31 mW/g; SAR(10 g) = 1.01 mW/g
Maximum value of SAR (measured) = 1.36 mW/g

Face Scan/Area Scan (71x261x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 45.4 V/m; Power Drift = -0.555 dB
Motorola Fast SAR: SAR(1 g) = 1.4 mW/g; SAR(10 g) = 1.07 mW/g
Maximum value of SAR (interpolated) = 1.47 mW/g

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



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 3/4/2010 1:40:26 PM

Robot# / Run#: DASY4-FL-2 / JsT-Face-100304-09
Phantom# / Tissue Temp.: OVAL1021 / 21.5 (C)
DUT Model# / Serial#: H97TGD9PW1AN (with QA00570AA and QA00576AA) / Q0PLT00M
Antenna / TX Freq.: PMAT4001A / 173.4000 (MHz)
Battery: NNTN7038A
Carry Acc. / Cable Acc.: None / None
Start Power: 6.58 (W)

Note:

Calculated: 1.32 mW/g (1g); 1.01 mW/g (10g)

Comments: Full Scan; Front of DUT Facing Phantom.

Probe: ES3DV2 - SN3007, Calibrated: 3/12/2009, ConvF(8.2, 8.2, 8.2)

Electronics: DAE3 Sn363, Calibrated: 4/28/2009

Duty Cycle: 1:1, Medium parameters used: f = 168 MHz; sigma = 0.74 mho/m; epsilon = 51.9; rho = 1000 kg/m^3

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

Reference Value = 45.3 V/m; Power Drift = -0.694 dB

Peak SAR (extrapolated) = 1.78 W/kg

SAR(1 g) = 1.31 mW/g; SAR(10 g) = 1.01 mW/g

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

Face Scan/Area Scan (71x261x1): Measurement grid: dx=15mm, dy=15mm

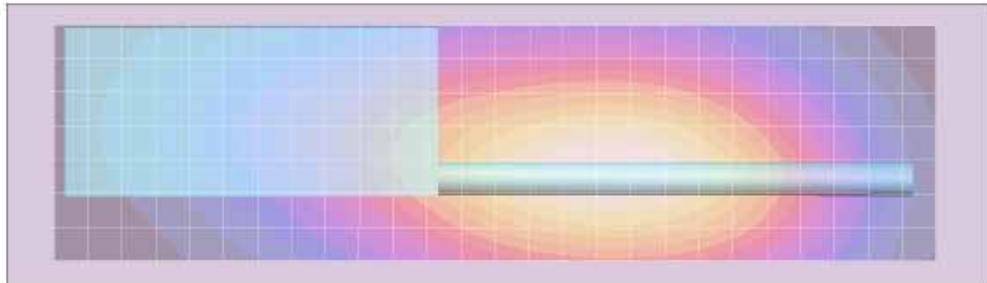
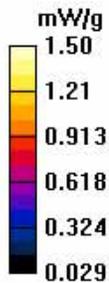
Reference Value = 45.3 V/m; Power Drift = -0.467 dB

Motorola Fast SAR: SAR(1 g) = 1.45 mW/g; SAR(10 g) = 1.1 mW/g

Maximum value of SAR (interpolated) = 1.51 mW/g

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

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



APPENDIX G
DUT Supplementary Data (Power slump)

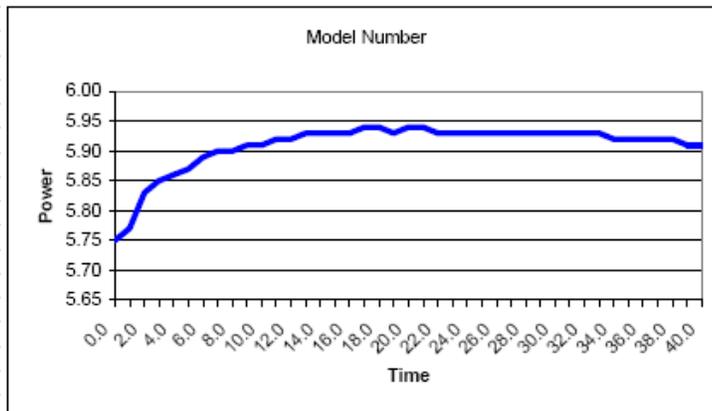
**Model # H97TGD9PW1AN (with QA00570AA and QA00576AA)
Serial # Q0PLT00M**

Battery # NNTN4034A
Frequency 502.5 MHz
Date 3/8/2010

Transmit Mode CW
Audio Accessory PMLN5101A

TX TIME **Measured Power**
 (Minutes) (Watts)

0.0	5.75
1.0	5.77
2.0	5.83
3.0	5.85
4.0	5.86
5.0	5.87
6.0	5.89
7.0	5.90
8.0	5.90
9.0	5.91
10.0	5.91
11.0	5.92
12.0	5.92
13.0	5.93
14.0	5.93
15.0	5.93
16.0	5.93
17.0	5.94
18.0	5.94
19.0	5.93
20.0	5.94
21.0	5.94
22.0	5.93
23.0	5.93
24.0	5.93
25.0	5.93
26.0	5.93
27.0	5.93
28.0	5.93
29.0	5.93
30.0	5.93
31.0	5.93
32.0	5.93
33.0	5.93
34.0	5.92
35.0	5.92
36.0	5.92
37.0	5.92
38.0	5.92
39.0	5.91
40.0	5.91



Appendix H
DUT Test Position Photos

Photos available in Exhibit 7B

Appendix I
DUT and Body worn Accessory Photos

Photos available in Exhibit 7B