



DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2

Enterprise Mobility Solutions
EME Test Laboratory
 Motorola Solutions Malaysia Sdn Bhd (455657-H)
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Date of Report: 03/29/13
Report Revision: O
Report ID: SAR rpt_PMUF1615A_Rev.O
 130329_SR11131

Responsible Engineer: Tan KaiYan (EME Engineer)
Report Author: Tan KaiYan (EME Engineer)
Date/s Tested: 12/26/2012-03/29/2013
Manufacturer/Location: Motorola, Penang
Sector/Group/Div.: PCR
Date submitted for test: 12/11/12
DUT Description: 8/900 2.5W NKP GPS BT GOB/NKP BT;
 8/900 2.5W FKP GPS BT GOB/FKP BT
Test TX mode(s): CW (PTT)
Max. Power output: 3 W (8/900 band), 10 dBm (Bluetooth)
Nominal Power: 2.5 W (8/900 band), 2.5 dBm (Bluetooth)
Tx Frequency Bands: 806-825MHz, 851-870MHz, 896-902MHz, 935-941MHz, 2.402-2.480 GHz
 (Bluetooth)
Signaling type: FM
Model(s) Tested: PMUF1615A
Model(s) Certified: PMUF1615A and PMUF1614A
Serial Number(s): 126TNX0235
Classification: Occupational/Controlled
FCC ID: ABZ99FT5014; Rule Part 90 (806-824 MHz, 851-869 MHz, 896-901 MHz & 935-940 MHz); Rule Part 15 (2402-2480 MHz)
IC: 109AB-99FT5014; (806-824 MHz, 851-869 MHz, 896-901 MHz, 935-940 MHz & 2402-2480 MHz)

** Refer to section 15 of part 1 for highest SAR summary results.*

The test results clearly demonstrate compliance with FCC Occupational/Controlled RF Exposure limits of 8 W/kg averaged over 1 gram per the requirements of 47 CFR 2.1093(d). The 10 grams result is not applicable to FCC filing.
 The test results clearly demonstrate compliance with ICNIRP (1998) Guidelines for limiting exposure in time-varying electric, magnetic, and electromagnetic fields (up to 300 GHz), Health Physics 74, 494-522 RF Exposure limits of 10 W/kg averaged over 10grams of contiguous tissue.

Based on the information and the testing results provided herein, the undersigned certifies that when used as stated in the operating instructions supplied, said product complies with the national and international reference standards and guidelines listed in section 3.0 of this report. This report shall not be reproduced without written approval from an officially designated representative of the Motorola Solutions Inc EME Laboratory. I attest to the accuracy of the data and assume full responsibility for the completeness of these measurements. This reporting format is consistent with the suggested guidelines of the TIA TSB-150 December 2004. The results and statements contained in this report pertain only to the device(s) evaluated.

Deborah Zakaria
EMS EME Lab Senior Resource Manager,
Laboratory Director
Approval Date: 4/3/2013

Certification Date: 4/3/2013
Certification No.: L1130309 & L1130306

Assessments at the Body with Body worn PMLN5843A

Table 30

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/21/2013 4:46:17 PM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130121-10
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.3 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 851.000 (MHz)
 Battery: NNTN8129A
 Carry Acc: PMLN5843A
 Audio Acc: PMMN4024A
 Start Power: 2.93 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.191 mW/g (1g); 0.145 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1. Medium parameters used: $f = 851$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 55.2$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

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

Ab Scan/1-Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 14.9 V/m; Power Drift = -0.433 dB

Motorola Fast SAR: SAR(1 g) = 0.200 mW/g; SAR(10 g) = 0.146 mW/g

Maximum value of SAR (interpolated) = 0.210 mW/g

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

Reference Value = 14.9 V/m; Power Drift = -0.474 dB

Peak SAR (extrapolated) = 0.202 W/kg

Motorola Fast SAR: SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.140 mW/g

Maximum value of SAR (interpolated) = 0.202 mW/g

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

Reference Value = 14.9 V/m; Power Drift = -0.542 dB

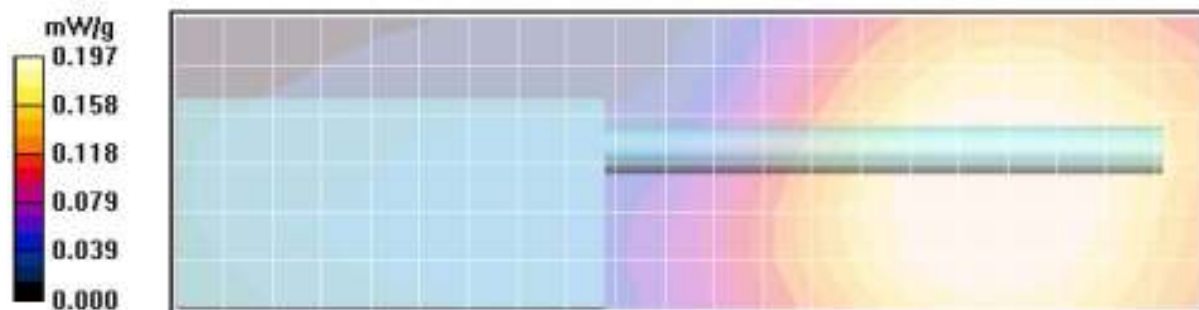
Peak SAR (extrapolated) = 0.242 W/kg

SAR(1 g) = 0.191 mW/g; SAR(10 g) = 0.145 mW/g

Maximum value of SAR (measured) = 0.199 mW/g

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

Maximum value of SAR (measured) = 0.197 mW/g



Assessments at the Body with Body worn PMLN5845A

Table 31

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/22/2013 10:06:47 AM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130122-03
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.8 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 851.000 (MHz)
 Battery: PMNN4406A
 Carry Acc: PMLN5845A
 Audio Acc: PMMN4024A
 Start Power: 2.97 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 1.770 mW/g (1g); 1.300 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 851$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

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

Ab Scan/1-Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 44.6 V/m; Power Drift = -0.545 dB

Motorola Fast SAR: SAR(1 g) = 1.9 mW/g; SAR(10 g) = 1.35 mW/g

Maximum value of SAR (interpolated) = 2.01 mW/g

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

Reference Value = 44.6 V/m; Power Drift = -0.605 dB

Peak SAR (extrapolated) = 1.91 W/kg

Motorola Fast SAR: SAR(1 g) = 1.81 mW/g; SAR(10 g) = 1.29 mW/g

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

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

Reference Value = 44.6 V/m; Power Drift = -0.706 dB

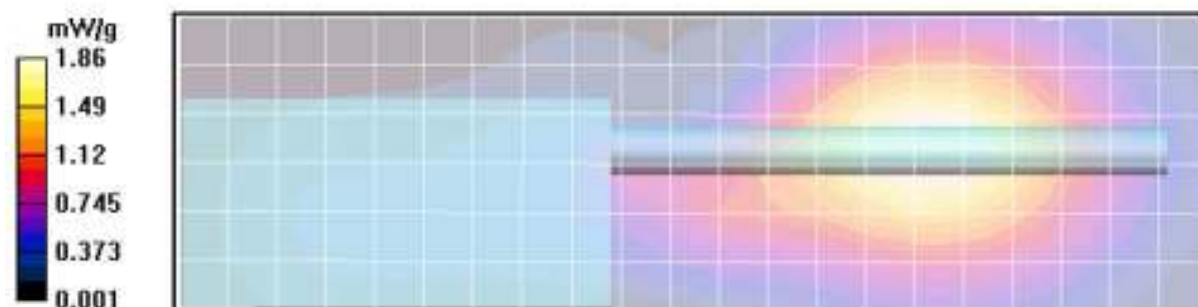
Peak SAR (extrapolated) = 2.30 W/kg

SAR(1 g) = 1.77 mW/g; SAR(10 g) = 1.3 mW/g

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

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

Maximum value of SAR (measured) = 1.86 mW/g



Assessments at the Body with Body worn PMLN5839A

Table 32

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/22/2013 12:59:23 PM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130122-07
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.4 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 851.000 (MHz)
 Battery: PMNN4406A
 Carry Acc: PMLN5839A
 Audio Acc: PMMN4024A
 Start Power: 2.98 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.488 mW/g (1g); 0.368 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 851$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

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

Ab Scan/1-Area Scan (61x211x1): Measurement grid: dx=1.5mm, dy=1.5mm

Reference Value = 24.0 V/m; Power Drift = -0.478 dB

Motorola Fast SAR: SAR(1 g) = 0.515 mW/g; SAR(10 g) = 0.372 mW/g

Maximum value of SAR (interpolated) = 0.542 mW/g

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

Reference Value = 24.0 V/m; Power Drift = -0.532 dB

Peak SAR (extrapolated) = 0.520 W/kg

Motorola Fast SAR: SAR(1 g) = 0.495 mW/g; SAR(10 g) = 0.358 mW/g

Maximum value of SAR (interpolated) = 0.520 mW/g

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

Reference Value = 24.0 V/m; Power Drift = -0.624 dB

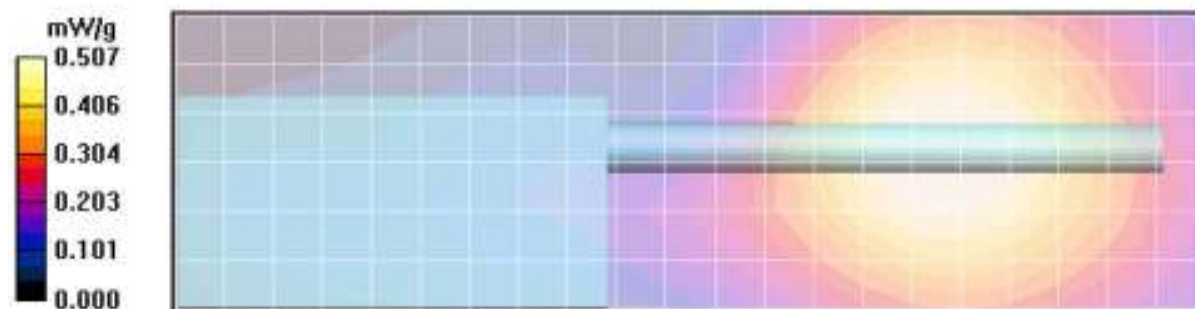
Peak SAR (extrapolated) = 0.622 W/kg

SAR(1 g) = 0.488 mW/g; SAR(10 g) = 0.368 mW/g

Maximum value of SAR (measured) = 0.511 mW/g

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

Maximum value of SAR (measured) = 0.507 mW/g



Assessments at the Body with Body worn PMLN7008A

Table 33

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/22/2013 2:58:41 PM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130122-10
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.4 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 851.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: PMLN7008A
 Audio Acc: PMMN4024A
 Start Power: 2.95 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 1.460 mW/g (1g); 1.070 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 851$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

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

Ab Scan/1-Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 41.1 V/m; Power Drift = -0.538 dB

Motorola Fast SAR: SAR(1 g) = 1.55 mW/g; SAR(10 g) = 1.1 mW/g

Maximum value of SAR (interpolated) = 1.63 mW/g

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

Reference Value = 41.1 V/m; Power Drift = -0.586 dB

Peak SAR (extrapolated) = 1.56 W/kg

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

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

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

Reference Value = 41.1 V/m; Power Drift = -0.679 dB

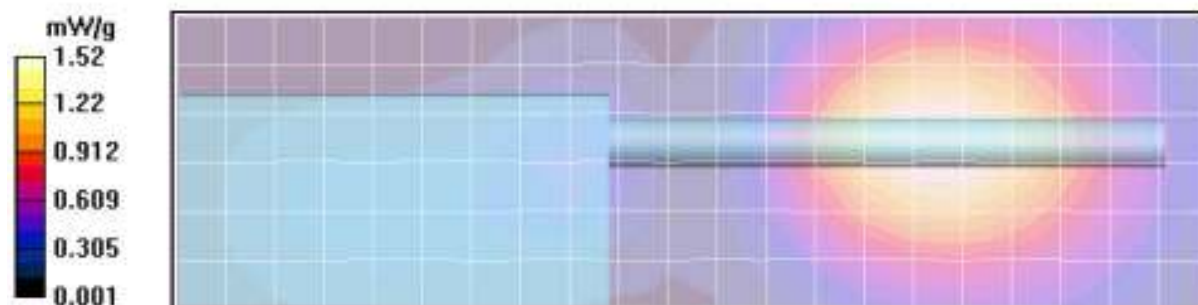
Peak SAR (extrapolated) = 1.88 W/kg

SAR(1 g) = 1.46 mW/g; SAR(10 g) = 1.07 mW/g

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

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

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



Assessments at the Body with Body worn PMLN4651A

Table 34

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/22/2013 6:42:51 PM

Robot#: DASY4-PG-1 | Run#: PS-AB-130122-15
 Model#: PMUF1615A
 Phantom#: EL14 1028
 Tissue Temp: 20.4 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 851.000 (MHz)
 Battery: PMNN4406A
 Carry Acc: PMLN4651A
 Audio Acc: PMMN4024A
 Start Power: 2.95 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 1.540 mW/g (1g); 1.130 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 851$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

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

Ab Scan/1-Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 41.9 V/m; Power Drift = -0.534 dB

Motorola Fast SAR: SAR(1 g) = 1.63 mW/g; SAR(10 g) = 1.16 mW/g

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

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

Reference Value = 41.9 V/m; Power Drift = -0.583 dB

Peak SAR (extrapolated) = 1.65 W/kg

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

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

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

Reference Value = 41.9 V/m; Power Drift = -0.667 dB

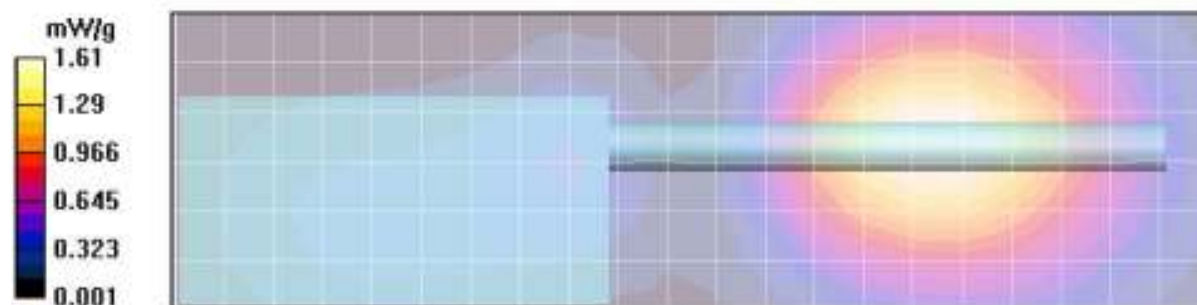
Peak SAR (extrapolated) = 2.00 W/kg

SAR(1 g) = 1.54 mW/g; SAR(10 g) = 1.13 mW/g

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

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

Maximum value of SAR (measured) = 1.61 mW/g



Assessments at the Body with Body worn RLN4570A

Table 35

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/22/2013 8:29:57 PM

Robot#: DASY4-PG-1 | Run#: PS-AB-130122-18
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.7 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 851.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: RLN4570A
 Audio Acc: PMMN4024A
 Start Power: 2.92 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 5.450 mW/g (1g); 3.820 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 851$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

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

Ab Scan/1-Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 76.8 V/m; Power Drift = -0.516 dB

Motorola Fast SAR: SAR(1 g) = 5.8 mW/g; SAR(10 g) = 4.02 mW/g

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

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

Reference Value = 76.8 V/m; Power Drift = -0.558 dB

Peak SAR (extrapolated) = 5.92 W/kg

Motorola Fast SAR: SAR(1 g) = 5.62 mW/g; SAR(10 g) = 3.87 mW/g

Maximum value of SAR (interpolated) = 5.92 mW/g

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

Reference Value = 76.8 V/m; Power Drift = -0.654 dB

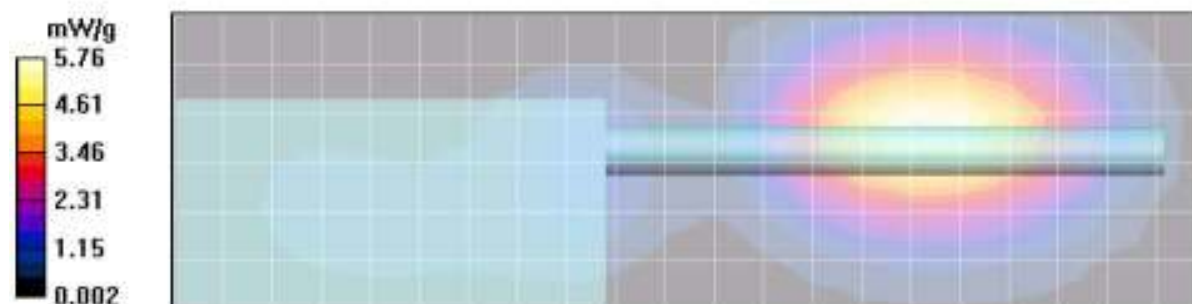
Peak SAR (extrapolated) = 7.34 W/kg

SAR(1 g) = 5.45 mW/g; SAR(10 g) = 3.82 mW/g

Maximum value of SAR (measured) = 5.82 mW/g

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

Maximum value of SAR (measured) = 5.76 mW/g



Assessments at the Body with Body worn RLN4815A

Table 36

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/23/2013 10:11:34 AM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130123-06
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.6 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 851.000 (MHz)
 Battery: PMNN4406A
 Carry Acc: RLN4815A
 Audio Acc: PMMN4024A
 Start Power: 2.95 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 1.590 mW/g (1g); 1.160 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1. Medium parameters used: $f = 851 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)
 Electronics: DAE3 Sn374, Calibrated: 4/24/2012

Ab Scan/1-Area Scan (61x211x1): Measurement grid: $dx=1.5\text{mm}$, $dy=1.5\text{mm}$

Reference Value = 41.0 V/m; Power Drift = -0.507 dB

Motorola Fast SAR: SAR(1 g) = 1.68 mW/g; SAR(10 g) = 1.2 mW/g

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

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

Reference Value = 41.0 V/m; Power Drift = -0.555 dB

Peak SAR (extrapolated) = 1.70 W/kg

Motorola Fast SAR: SAR(1 g) = 1.62 mW/g; SAR(10 g) = 1.15 mW/g

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

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

Reference Value = 41.0 V/m; Power Drift = -0.651 dB

Peak SAR (extrapolated) = 2.06 W/kg

SAR(1 g) = 1.59 mW/g; SAR(10 g) = 1.16 mW/g

Maximum value of SAR (measured) = 1.68 mW/g

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

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



Assessments at the Body with Body worn HLN6602A

Table 37

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/23/2013 12:53:00 PM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130123-10
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.6 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 851.000 (MHz)
 Battery: PMNN4406A
 Carry Acc: HLN6602A
 Audio Acc: PMMN4024A
 Start Power: 2.96 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 5.480 mW/g (1g); 3.850 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 851 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

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

Ab Scan/1-Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 78.3 V/m; Power Drift = -0.492 dB

Motorola Fast SAR: SAR(1 g) = 5.8 mW/g; SAR(10 g) = 4.02 mW/g

Maximum value of SAR (interpolated) = 6.17 mW/g

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

Reference Value = 78.3 V/m; Power Drift = -0.540 dB

Peak SAR (extrapolated) = 5.95 W/kg

Motorola Fast SAR: SAR(1 g) = 5.65 mW/g; SAR(10 g) = 3.9 mW/g

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

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

Reference Value = 78.3 V/m; Power Drift = -0.637 dB

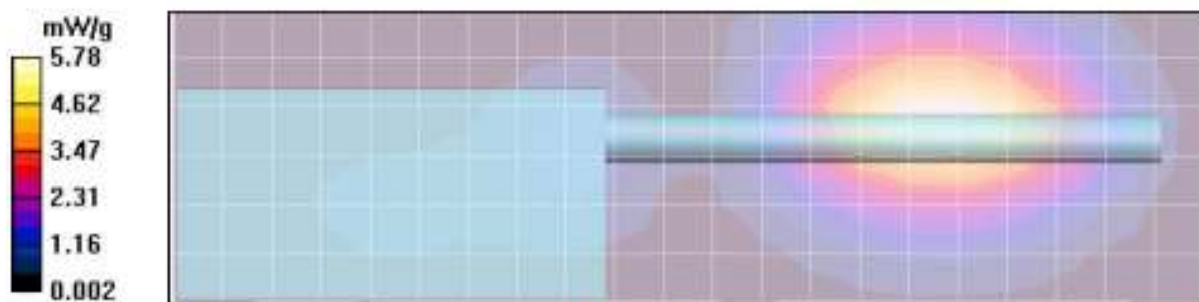
Peak SAR (extrapolated) = 7.37 W/kg

SAR(1 g) = 5.48 mW/g; SAR(10 g) = 3.85 mW/g

Maximum value of SAR (measured) = 5.85 mW/g

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

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



Assessments at the Body with Body worn PMLN5843A (no belt-loop) with Carry Strap NTN5243A

Table 38

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/22/2013 8:19:50 PM

Robot#: DASY5-PG-2 | Run#: PS-AB-130222-14
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.3 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 851.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: PMLN5843A w/ NTN5243A
 Audio Acc: PMMN4024A
 Start Power: 2.97 (W)

Comments: Full Scan. PMLN5843A w/o belt loop.

Duty Cycle: 1:1, Medium parameters used: $f = 851$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3274, , ConvF(5.98, 5.98, 5.98); Calibrated: 11/13/2012
 Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (61x211x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 28.433 V/m; Power Drift = -0.48 dB

Fast SAR: SAR(1 g) = 0.793 mW/g; SAR(10 g) = 0.571 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.836 W/kg

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

Reference Value = 28.433 V/m; Power Drift = -0.70 dB

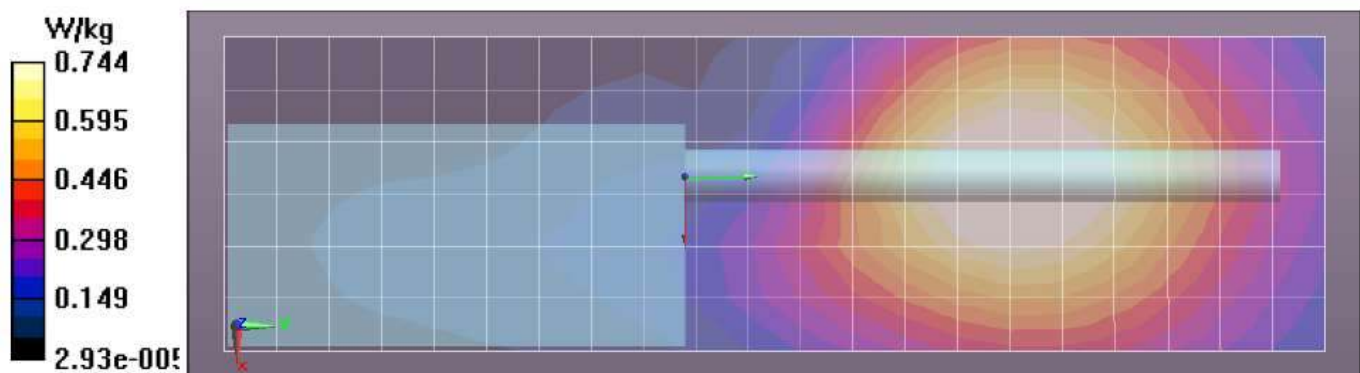
Peak SAR (extrapolated) = 0.924 mW/g

SAR(1 g) = 0.741 mW/g; SAR(10 g) = 0.564 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.776 W/kg

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

Maximum value of SAR (measured) = 0.744 W/kg



Assessments at the Body with Body worn PMLN5845A (fixed belt-loop) with Carry Strap NTN5243A

Table 39

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/4/2013 4:38:05 PM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130204-15
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.8 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 851.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: PMLN5845A w/ NTN5243A
 Audio Acc: PMMN4024A
 Start Power: 2.94 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 1.760 mW/g (1g); 1.290 mW/g (10g)

Comments: Full Scan. Back of radio w/ fixed belt loop.

Duty Cycle: 1:1, Medium parameters used: $f = 851$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(5.82, 5.82, 5.82)

Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Ab Scan/1-Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 46.8 V/m; Power Drift = -0.565 dB

Motorola Fast SAR: SAR(1 g) = 1.86 mW/g; SAR(10 g) = 1.32 mW/g

Maximum value of SAR (interpolated) = 1.97 mW/g

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

Reference Value = 46.8 V/m; Power Drift = -0.693 dB

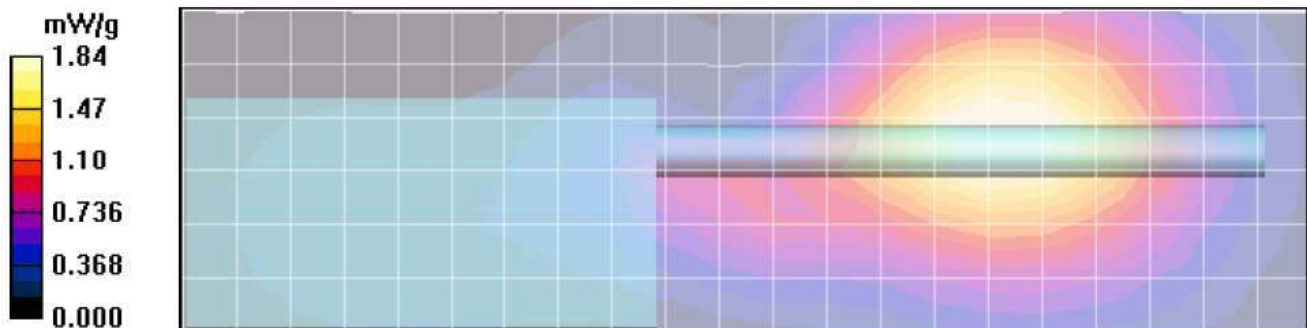
Peak SAR (extrapolated) = 2.31 W/kg

SAR(1 g) = 1.76 mW/g; SAR(10 g) = 1.29 mW/g

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

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

Maximum value of SAR (measured) = 1.84 mW/g



Assessments at the Body with Body worn PMLN5839A (fixed belt-loop) with Carry Strap NTN5243A

Table 40

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/25/2013 11:14:29 AM

Robot#: DASY5-PG-2 | Run#: PS-AB-130225-08
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.6 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 851.000 (MHz)
 Battery: PMNN4406A
 Carry Acc: PMLN5839A w/ NTN5243A
 Audio Acc: PMMN4024A
 Start Power: 2.95 (W)

Comments: Full Scan. Back of radio w/ fixed belt loop.

Duty Cycle: 1:1, Medium parameters used: $f = 851$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3274, , ConvF(5.98, 5.98, 5.98); Calibrated: 11/13/2012
 Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (61x211x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 24.038 V/m; Power Drift = -0.63 dB

Fast SAR: SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.364 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.529 W/kg

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

Reference Value = 24.038 V/m; Power Drift = -0.76 dB

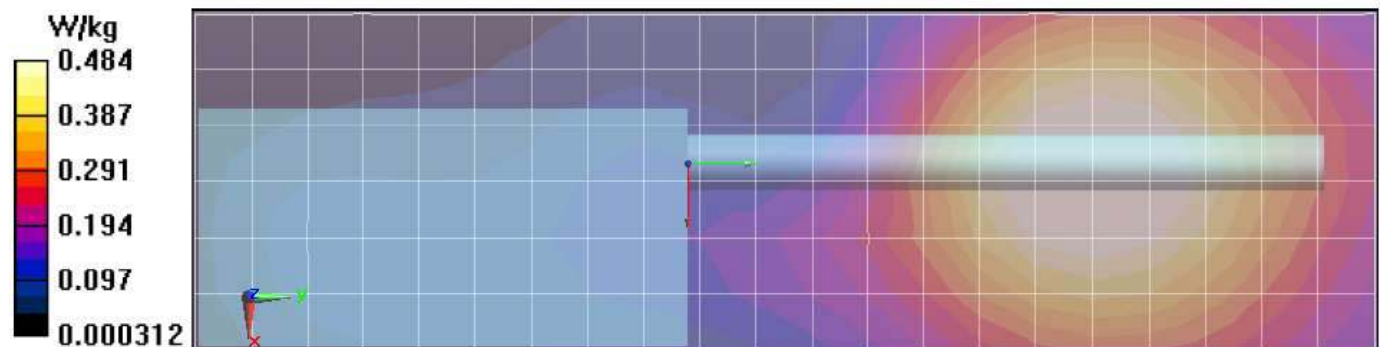
Peak SAR (extrapolated) = 0.590 mW/g

SAR(1 g) = 0.468 mW/g; SAR(10 g) = 0.354 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.492 W/kg

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

Maximum value of SAR (measured) = 0.484 W/kg



Assessments at the Body with other audio accessories

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

Assessments of wireless BT at the Body

Table 41

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/29/2013 7:14:59 AM

Robot#: DASY5-PG-2 | Run#: PS-AB-130329-02
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 21.0 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 851.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: RLN4570A
 Audio Acc: NONE
 Start Power: 2.99 (W)

Comments: Full Scan.

Duty Cycle: 1:1, Medium parameters used: $f = 851$ MHz; $\sigma = 1$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3274, , ConvF(5.98, 5.98, 5.98); Calibrated: 11/13/2012
 Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (61x211x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 75.829 V/m; Power Drift = -0.50 dB

Fast SAR: SAR(1 g) = 5.92 mW/g; SAR(10 g) = 4.1 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 6.31 W/kg

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

Reference Value = 75.829 V/m; Power Drift = -0.66 dB

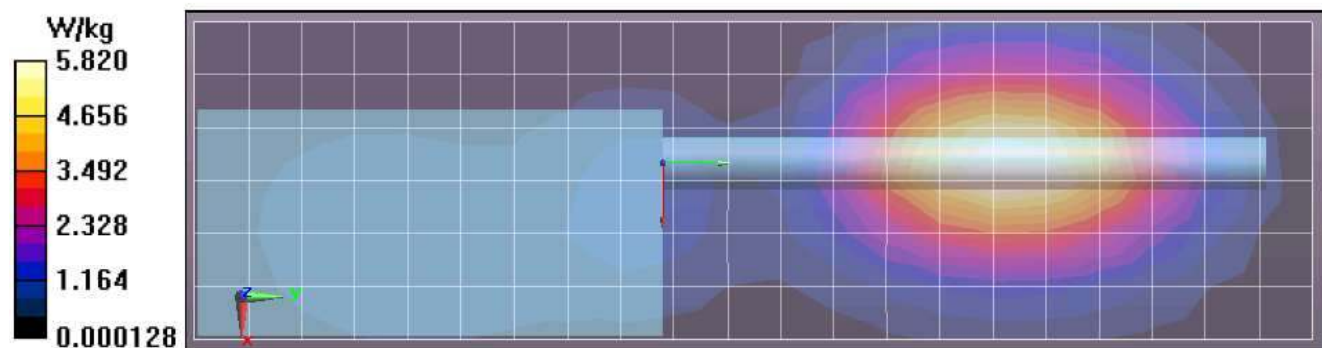
Peak SAR (extrapolated) = 7.406 mW/g

SAR(1 g) = 5.6 mW/g; SAR(10 g) = 3.95 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.97 W/kg

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

Maximum value of SAR (measured) = 5.82 W/kg



896-901 MHz Bands
Assessments at the Body with Body worn PMLN5846A
Table 43

Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/25/2013 8:09:49 AM

Robot#: DASY4-PG-1 | Run#: CcC-AB-130125-03
Model#: PMUF1615A
Phantom#: ELI4 1028
Tissue Temp: 20.9 (C)
Serial#: 126TNX0235
Antenna: PMAF4012A
Test Freq: 896.000 (MHz)
Battery: PMNN4406A
Carry Acc: PMLN5846A
Audio Acc: PMMN4024A
Start Power: 2.98 (W)

Note:
Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.373 mW/g (1g); 0.281 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 896$ MHz; $\sigma = 1.05$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)
Electronics: DAE3 Sn374, Calibrated: 4/24/2012

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

Reference Value = 19.9 V/m; Power Drift = -0.408 dB

Motorola Fast SAR: SAR(1 g) = 0.399 mW/g; SAR(10 g) = 0.289 mW/g

Maximum value of SAR (interpolated) = 0.420 mW/g

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

Reference Value = 19.9 V/m; Power Drift = -0.466 dB

Peak SAR (extrapolated) = 0.400 W/kg

Motorola Fast SAR: SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.276 mW/g

Maximum value of SAR (interpolated) = 0.400 mW/g

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

Reference Value = 19.9 V/m; Power Drift = -0.573 dB

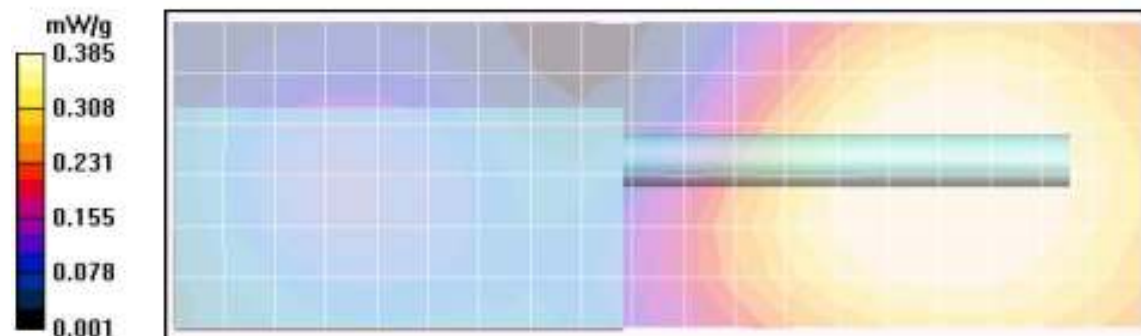
Peak SAR (extrapolated) = 0.482 W/kg

SAR(1 g) = 0.373 mW/g; SAR(10 g) = 0.281 mW/g

Maximum value of SAR (measured) = 0.392 mW/g

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

Maximum value of SAR (measured) = 0.385 mW/g



Assessments at the Body with Body worn PMLN5843A

Table 44

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/25/2013 10:06:18 AM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130125-06
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.6 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 896.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: PMLN5843A
 Audio Acc: PMMN4024A
 Start Power: 2.96 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.353 mW/g (1g); 0.266 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 896$ MHz; $\sigma = 1.05$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)
 Electronics: DAE3 Sn374, Calibrated: 4/24/2012

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

Reference Value = 19.2 V/m; Power Drift = -0.531 dB

Motorola Fast SAR: SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.276 mW/g

Maximum value of SAR (interpolated) = 0.401 mW/g

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

Reference Value = 19.2 V/m; Power Drift = -0.603 dB

Peak SAR (extrapolated) = 0.379 W/kg

Motorola Fast SAR: SAR(1 g) = 0.361 mW/g; SAR(10 g) = 0.261 mW/g

Maximum value of SAR (interpolated) = 0.379 mW/g

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

Reference Value = 19.2 V/m; Power Drift = -0.721 dB

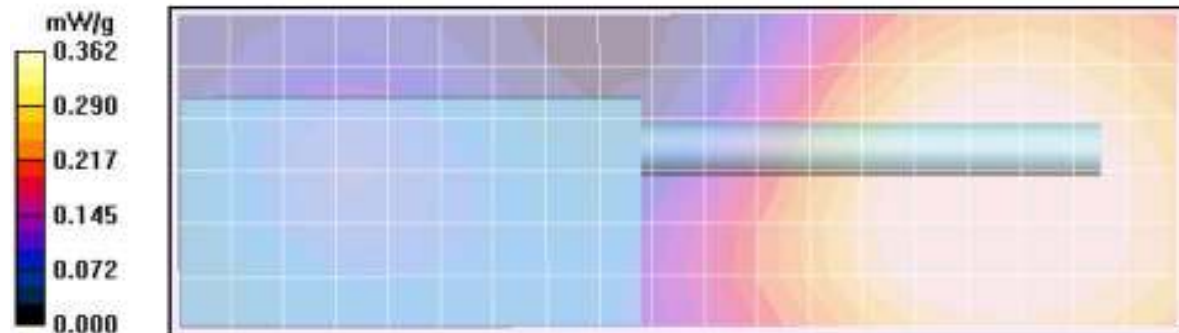
Peak SAR (extrapolated) = 0.455 W/kg

SAR(1 g) = 0.353 mW/g; SAR(10 g) = 0.266 mW/g

Maximum value of SAR (measured) = 0.370 mW/g

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

Maximum value of SAR (measured) = 0.362 mW/g



Assessments at the Body with Body worn PMLN5845A

Table 45

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/25/2013 12:37:14 PM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130125-10
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.5 (C)
 Serial#: 126INX0235
 Antenna: PMAF4012A
 Test Freq: 896.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: PMLN5845A
 Audio Acc: PMMN4024A
 Start Power: 2.95 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 3.030 mW/g (1g); 2.180 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 896$ MHz; $\sigma = 1.05$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

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

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

Reference Value = 59.9 V/m; Power Drift = -0.565 dB

Motorola Fast SAR: SAR(1 g) = 3.25 mW/g; SAR(10 g) = 2.29 mW/g

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

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

Reference Value = 59.9 V/m; Power Drift = -0.634 dB

Peak SAR (extrapolated) = 3.28 W/kg

Motorola Fast SAR: SAR(1 g) = 3.11 mW/g; SAR(10 g) = 2.19 mW/g

Maximum value of SAR (interpolated) = 3.28 mW/g

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

Reference Value = 59.9 V/m; Power Drift = -0.750 dB

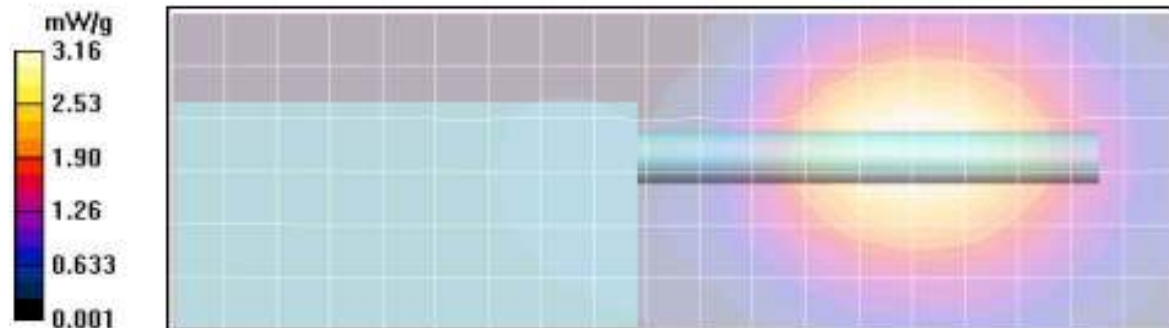
Peak SAR (extrapolated) = 4.00 W/kg

SAR(1 g) = 3.03 mW/g; SAR(10 g) = 2.18 mW/g

Maximum value of SAR (measured) = 3.21 mW/g

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

Maximum value of SAR (measured) = 3.16 mW/g



Assessments at the Body with Body worn PMLN5839A

Table 46

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/25/2013 2:54:28 PM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130125-14
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.4 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 896.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: PMLN5839A
 Audio Acc: PMMN4024A
 Start Power: 2.97 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.696 mW/g (1g); 0.518 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 896$ MHz; $\sigma = 1.05$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

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

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

Reference Value = 28.5 V/m; Power Drift = -0.549 dB

Motorola Fast SAR: SAR(1 g) = 0.749 mW/g; SAR(10 g) = 0.539 mW/g

Maximum value of SAR (interpolated) = 0.790 mW/g

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

Reference Value = 28.5 V/m; Power Drift = -0.615 dB

Peak SAR (extrapolated) = 0.751 W/kg

Motorola Fast SAR: SAR(1 g) = 0.712 mW/g; SAR(10 g) = 0.511 mW/g

Maximum value of SAR (interpolated) = 0.751 mW/g

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

Reference Value = 28.5 V/m; Power Drift = -0.748 dB

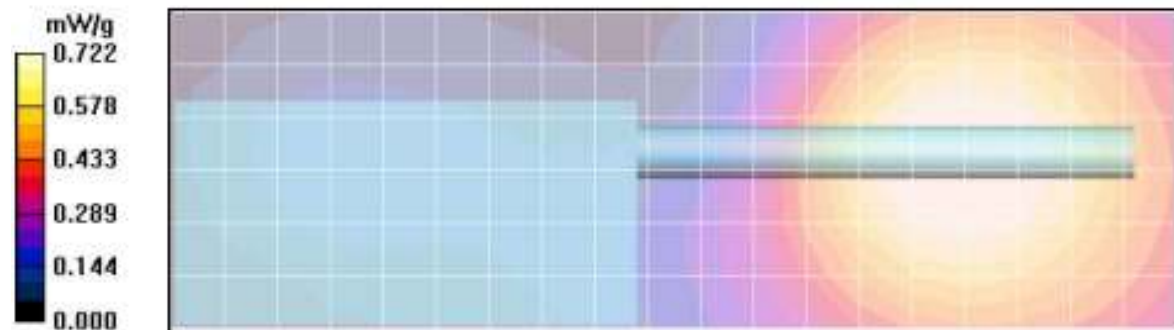
Peak SAR (extrapolated) = 0.906 W/kg

SAR(1 g) = 0.696 mW/g; SAR(10 g) = 0.518 mW/g

Maximum value of SAR (measured) = 0.735 mW/g

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

Maximum value of SAR (measured) = 0.722 mW/g



Assessments at the Body with Body worn PMLN7008A

Table 47

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/29/2013 9:19:12 AM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130129-05
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.7 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 896.000 (MHz)
 Battery: PMNN4406A
 Carry Acc: PMLN7008A
 Audio Acc: PMMN4024A
 Start Power: 2.97 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.530 mW/g (1g); 1.840 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 896$ MHz; $\sigma = 1.05$ mbo/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

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

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

Reference Value = 54.9 V/m; Power Drift = -0.560 dB

Motorola Fast SAR: SAR(1 g) = 2.71 mW/g; SAR(10 g) = 1.92 mW/g

Maximum value of SAR (interpolated) = 2.87 mW/g

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

Reference Value = 54.9 V/m; Power Drift = -0.623 dB

Peak SAR (extrapolated) = 2.72 W/kg

Motorola Fast SAR: SAR(1 g) = 2.59 mW/g; SAR(10 g) = 1.83 mW/g

Maximum value of SAR (interpolated) = 2.72 mW/g

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

Reference Value = 54.9 V/m; Power Drift = -0.735 dB

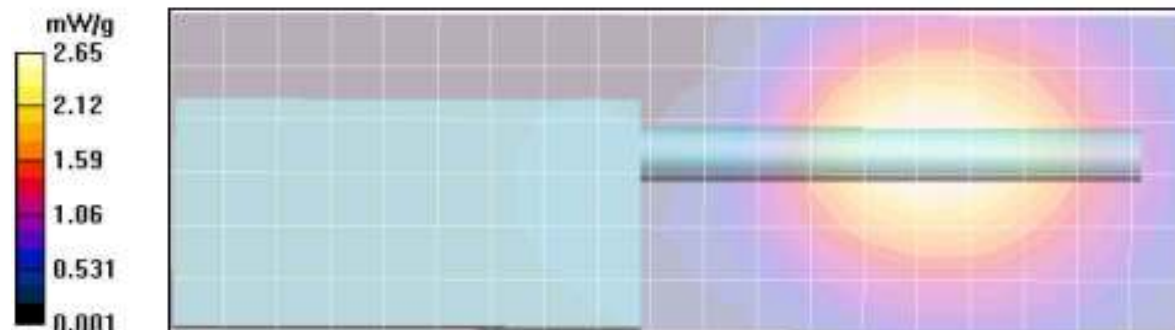
Peak SAR (extrapolated) = 3.33 W/kg

SAR(1 g) = 2.53 mW/g; SAR(10 g) = 1.84 mW/g

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

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

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



Assessments at the Body with Body worn PMLN4651A

Table 48

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/29/2013 11:05:53 AM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130129-08
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.8 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 896.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: PMLN4651A
 Audio Acc: PMMN4024A
 Start Power: 2.95 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.570 mW/g (1g); 1.860 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 896$ MHz; $\sigma = 1.05$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

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

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

Reference Value = 55.2 V/m; Power Drift = -0.563 dB

Motorola Fast SAR: SAR(1 g) = 2.74 mW/g; SAR(10 g) = 1.94 mW/g

Maximum value of SAR (interpolated) = 2.90 mW/g

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

Reference Value = 55.2 V/m; Power Drift = -0.617 dB

Peak SAR (extrapolated) = 2.78 W/kg

Motorola Fast SAR: SAR(1 g) = 2.64 mW/g; SAR(10 g) = 1.86 mW/g

Maximum value of SAR (interpolated) = 2.78 mW/g

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

Reference Value = 55.2 V/m; Power Drift = -0.740 dB

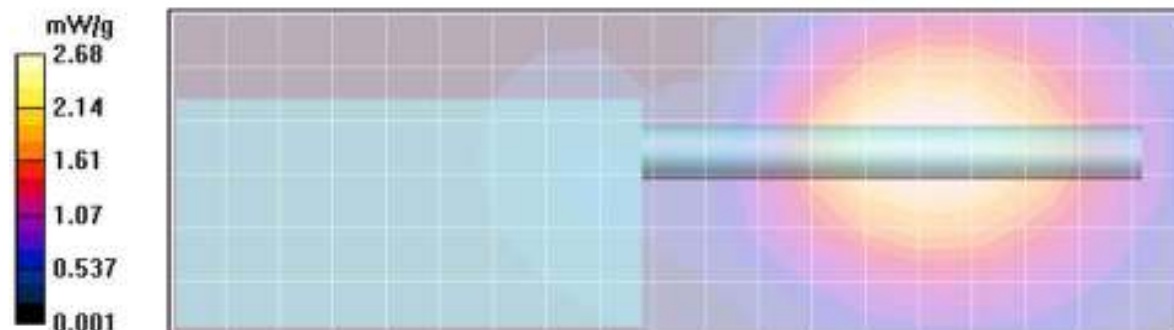
Peak SAR (extrapolated) = 3.38 W/kg

SAR(1 g) = 2.57 mW/g; SAR(10 g) = 1.86 mW/g

Maximum value of SAR (measured) = 2.72 mW/g

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

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



Assessments at the Body with Body worn RLN4570A

Table 49

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/29/2013 2:15:52 PM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130129-13
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.3 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 899.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: RLN4570A
 Audio Acc: PMMN4024A
 Start Power: 2.97 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 8.820 mW/g (1g); 6.090 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 899$ MHz; $\sigma = 1.05$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

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

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

Reference Value = 103.1 V/m; Power Drift = -0.561 dB

Motorola Fast SAR: SAR(1 g) = 9.51 mW/g; SAR(10 g) = 6.54 mW/g

Maximum value of SAR (interpolated) = 10.1 mW/g

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

Reference Value = 103.1 V/m; Power Drift = -0.643 dB

Peak SAR (extrapolated) = 9.69 W/kg

Motorola Fast SAR: SAR(1 g) = 9.16 mW/g; SAR(10 g) = 6.27 mW/g

Maximum value of SAR (interpolated) = 9.69 mW/g

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

Reference Value = 103.1 V/m; Power Drift = -0.777 dB

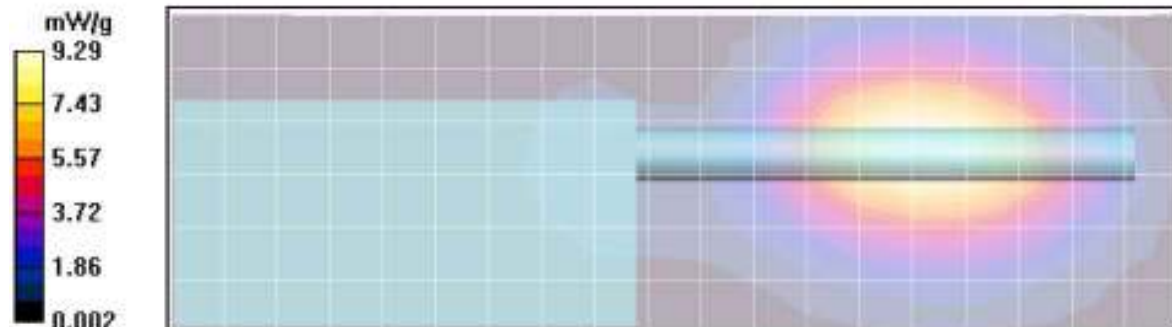
Peak SAR (extrapolated) = 12.1 W/kg

SAR(1 g) = 8.82 mW/g; SAR(10 g) = 6.09 mW/g

Maximum value of SAR (measured) = 9.44 mW/g

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

Maximum value of SAR (measured) = 9.29 mW/g



Assessments at the Body with Body worn RLN4815A

Table 50

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/29/2013 6:24:33 PM

Robot#: DASY4-PG-1 | Run#: CcC-AB-130129-19
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.6 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 896.000 (MHz)
 Battery: PMNN4406A
 Carry Acc: RLN4815A
 Audio Acc: PMMN4024A
 Start Power: 2.94 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.240 mW/g (1g); 1.630 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 896$ MHz; $\sigma = 1.05$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)
 Electronics: DAE3 Su374, Calibrated: 4/24/2012

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

Reference Value = 50.8 V/m; Power Drift = -0.465 dB

Motorola Fast SAR: SAR(1 g) = 2.38 mW/g; SAR(10 g) = 1.69 mW/g

Maximum value of SAR (interpolated) = 2.52 mW/g

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

Reference Value = 50.8 V/m; Power Drift = -0.527 dB

Peak SAR (extrapolated) = 2.43 W/kg

Motorola Fast SAR: SAR(1 g) = 2.3 mW/g; SAR(10 g) = 1.63 mW/g

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

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

Reference Value = 50.8 V/m; Power Drift = -0.647 dB

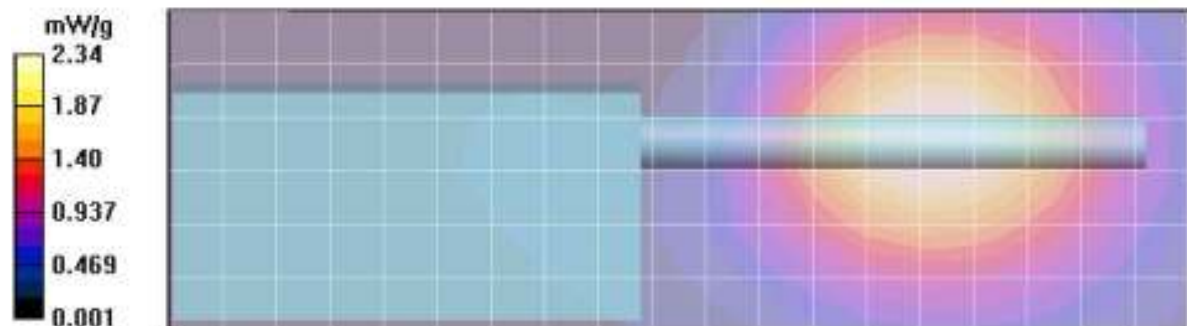
Peak SAR (extrapolated) = 2.95 W/kg

SAR(1 g) = 2.24 mW/g; SAR(10 g) = 1.63 mW/g

Maximum value of SAR (measured) = 2.38 mW/g

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

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



Assessments at the Body with Body worn HLN6602A

Table 51

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/30/2013 7:47:45 AM

Robot#: DASY4-PG-1 | Run#: PS-AB-130130-03
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.9 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 901.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: HLN6602A
 Audio Acc: PMMN4024A
 Start Power: 2.96 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 8.272 mW/g (1g); 5.721 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1. Medium parameters used: $f = 901$ MHz; $\sigma = 1.05$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

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

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

Reference Value = 99.9 V/m; Power Drift = -0.585 dB

Motorola Fast SAR: SAR(1 g) = 8.9 mW/g; SAR(10 g) = 6.13 mW/g

Maximum value of SAR (interpolated) = 9.49 mW/g

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

Reference Value = 99.9 V/m; Power Drift = -0.664 dB

Peak SAR (extrapolated) = 9.06 W/kg

Motorola Fast SAR: SAR(1 g) = 8.56 mW/g; SAR(10 g) = 5.85 mW/g

Maximum value of SAR (interpolated) = 9.06 mW/g

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

Reference Value = 99.9 V/m; Power Drift = -0.795 dB

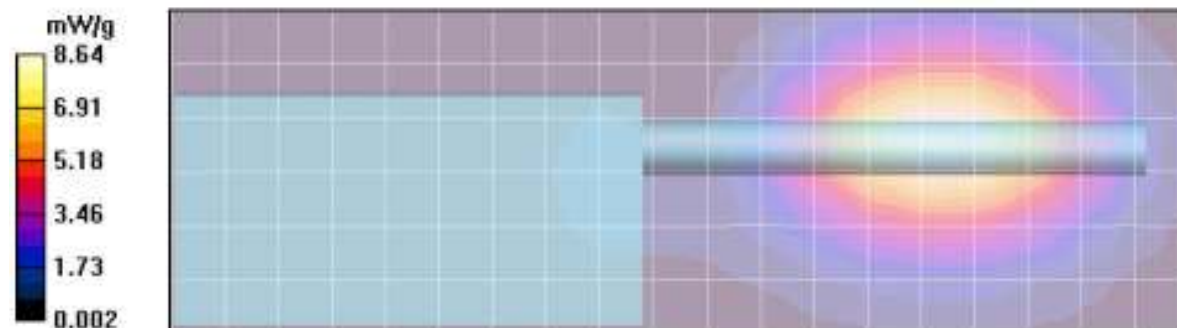
Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 8.27 mW/g; SAR(10 g) = 5.72 mW/g

Maximum value of SAR (measured) = 8.85 mW/g

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

Maximum value of SAR (measured) = 8.64 mW/g



Assessments at the Body with Body worn PMLN5843A (no belt-loop) with Carry Strap NTN5243A
Table 52

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/25/2013 3:02:34 PM

Robot#: DASY5-PG-2 | Run#: CcC-AB-130225-13
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.4 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 896.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: PMLN5843A w/ NTN5243A
 Audio Acc: PMMN4024A
 Start Power: 2.96 (W)

Comments: Full Scan. PMLN5843A w/o belt clip.

Duty Cycle: 1:1, Medium parameters used: $f = 896$ MHz; $\sigma = 1.05$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3274, , ConvF(5.98, 5.98, 5.98); Calibrated: 11/13/2012
 Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (61x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 35.943 V/m; Power Drift = -0.54 dB

Fast SAR: SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.820 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.21 W/kg

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

Reference Value = 35.943 V/m; Power Drift = -0.70 dB

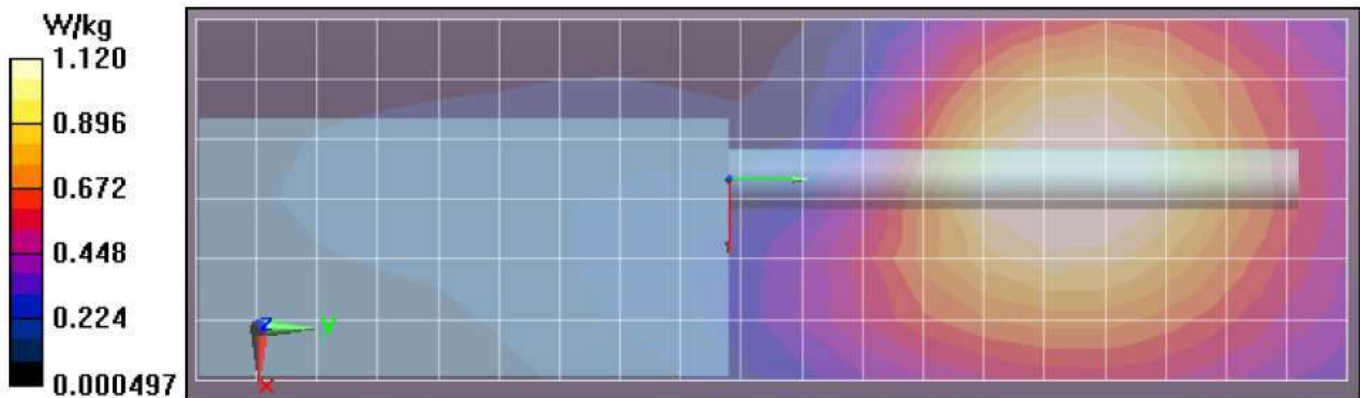
Peak SAR (extrapolated) = 1.389 mW/g

SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.796 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.14 W/kg

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

Maximum value of SAR (measured) = 1.12 W/kg



Assessments at the Body with Body worn PMLN5845A (fixed belt-loop) with Carry Strap NTN5243A

Table 53

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/25/2013 6:21:11 PM

Robot#: DASY5-PG-2 | Run#: CcC-AB-130225-18
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.3 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 896.000 (MHz)
 Battery: PMNN4406A
 Carry Acc: PMLN5845A w/ NTN5243A
 Audio Acc: PMMN4024A
 Start Power: 2.99 (W)

Comments: Full Scan. Back of radio w/ fixed belt loop.

Duty Cycle: 1:1, Medium parameters used: $f = 896$ MHz; $\sigma = 1.05$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3274, , ConvF(5.98, 5.98, 5.98); Calibrated: 11/13/2012

Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (61x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 57.287 V/m; Power Drift = -0.56 dB

Fast SAR: SAR(1 g) = 2.88 mW/g; SAR(10 g) = 2.04 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.05 W/kg

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

Reference Value = 57.287 V/m; Power Drift = -0.72 dB

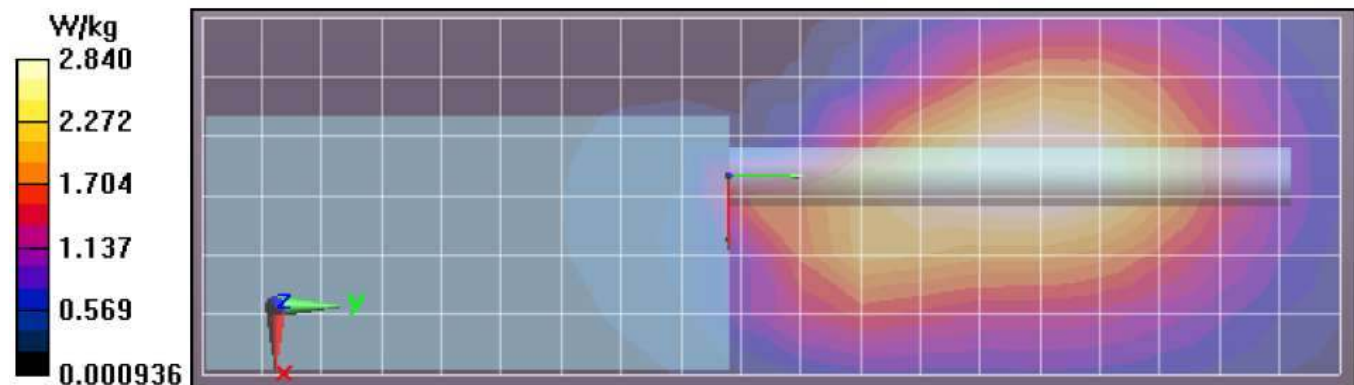
Peak SAR (extrapolated) = 3.571 mW/g

SAR(1 g) = 2.73 mW/g; SAR(10 g) = 1.98 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.91 W/kg

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

Maximum value of SAR (measured) = 2.84 W/kg



Assessments at the Body with Body worn PMLN5839A (fixed belt-loop) with Carry Strap NTN5243A

Table 54

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/25/2013 8:03:31 PM

Robot#: DASY5-PG-2 | Run#: CcC-AB-130225-21
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.3 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 896.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: PMLN5839A w/ NTN5243A
 Audio Acc: PMMN4024A
 Start Power: 2.99 (W)

Comments: Full Scan. Back of radio w/ fixed belt loop.

Duty Cycle: 1:1, Medium parameters used: $f = 896$ MHz; $\sigma = 1.05$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3274, , ConvF(5.98, 5.98, 5.98); Calibrated: 11/13/2012
 Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (61x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 31.942 V/m; Power Drift = -0.61 dB

Fast SAR: SAR(1 g) = 0.907 mW/g; SAR(10 g) = 0.653 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.957 W/kg

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

Reference Value = 31.942 V/m; Power Drift = -0.78 dB

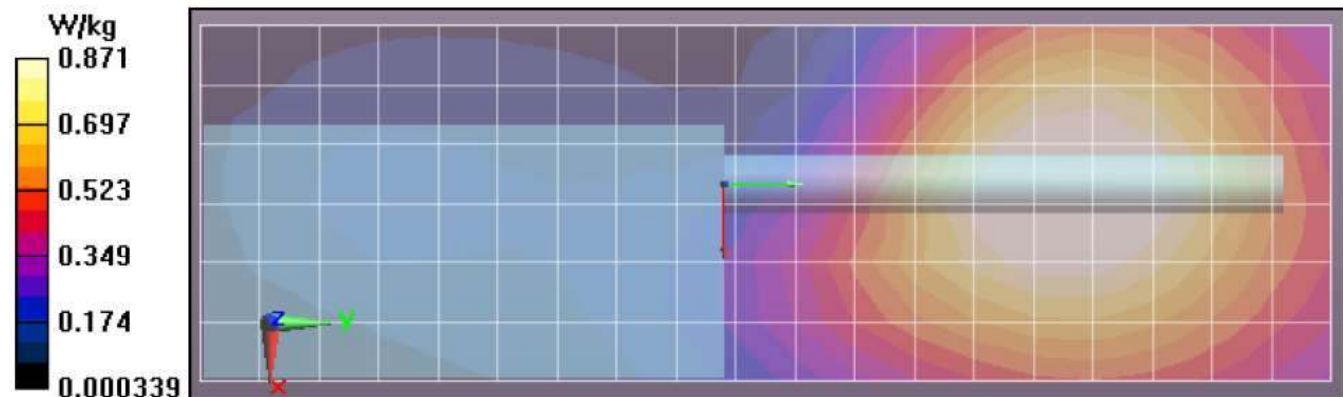
Peak SAR (extrapolated) = 1.084 mW/g

SAR(1 g) = 0.845 mW/g; SAR(10 g) = 0.630 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.893 W/kg

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

Maximum value of SAR (measured) = 0.871 W/kg



Assessments at the Body with other audio accessories

Table 55

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/30/2013 10:14:46 AM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130130-07
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.7 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 899.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: RLN4570A
 Audio Acc: PMMN4040A
 Start Power: 2.96 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 9.260 mW/g (1g); 6.400 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 899$ MHz; $\sigma = 1.05$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

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

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

Reference Value = 106.1 V/m; Power Drift = -0.616 dB

Motorola Fast SAR: SAR(1 g) = 10.1 mW/g; SAR(10 g) = 6.92 mW/g

Maximum value of SAR (interpolated) = 10.8 mW/g

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

Reference Value = 106.1 V/m; Power Drift = -0.682 dB

Peak SAR (extrapolated) = 10.2 W/kg

Motorola Fast SAR: SAR(1 g) = 9.64 mW/g; SAR(10 g) = 6.59 mW/g

Maximum value of SAR (interpolated) = 10.2 mW/g

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

Reference Value = 106.1 V/m; Power Drift = -0.839 dB

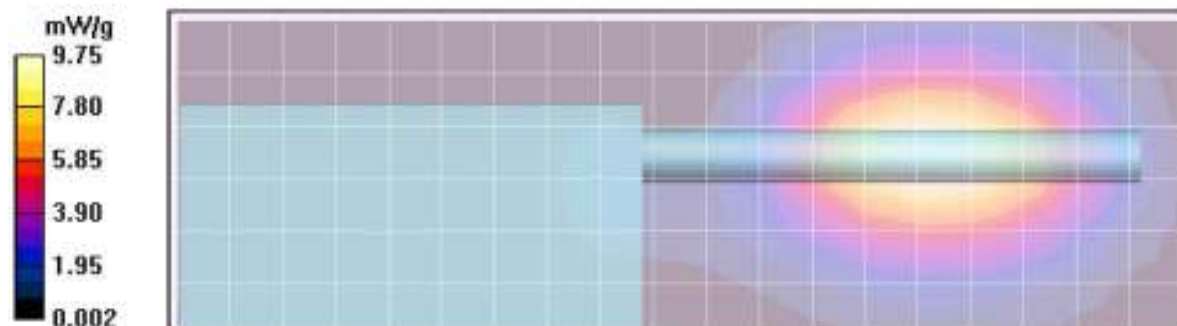
Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 9.26 mW/g; SAR(10 g) = 6.4 mW/g

Maximum value of SAR (measured) = 9.92 mW/g

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

Maximum value of SAR (measured) = 9.75 mW/g



Assessments of wireless BT configuration at the Body

Table 56

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/28/2013 4:02:59 PM

Robot#: DASY5-PG-2 | Run#: CcC-AB-130328-04
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.8 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 899.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: RLN4570A
 Audio Acc: NONE
 Start Power: 2.99 (W)

Comments: Full Scan.

Duty Cycle: 1:1, Medium parameters used: $f = 899$ MHz; $\sigma = 1.05$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3274, , ConvF(5.98, 5.98, 5.98); Calibrated: 11/13/2012
 Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (61x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 106.4 V/m; Power Drift = -0.58 dB

Fast SAR: SAR(1 g) = 9.95 mW/g; SAR(10 g) = 6.87 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 10.6 W/kg

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

Reference Value = 106.4 V/m; Power Drift = -0.72 dB

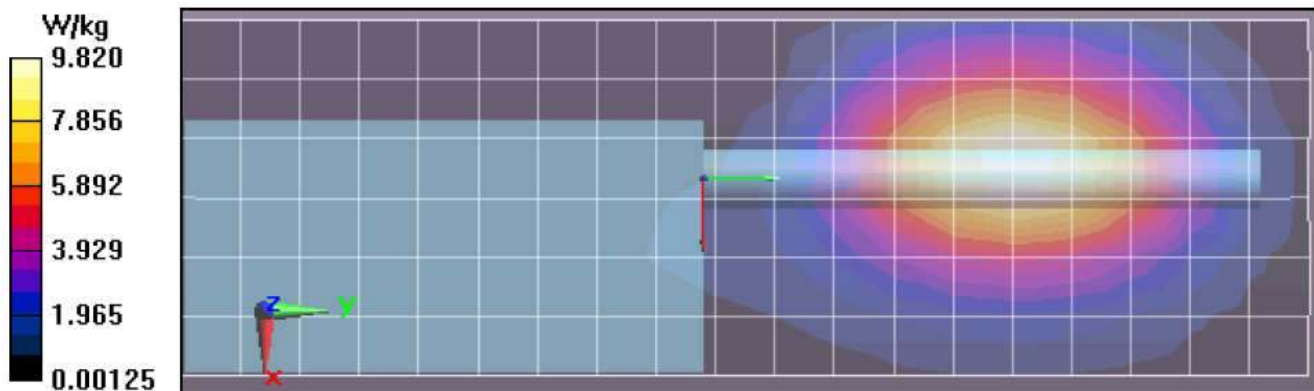
Peak SAR (extrapolated) = 12.539 mW/g

SAR(1 g) = 9.33 mW/g; SAR(10 g) = 6.49 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.98 W/kg

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

Maximum value of SAR (measured) = 9.82 W/kg



935-940 MHz Bands
Assessments at the Body with Body worn PMLN5846A
Table 58

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/30/2013 6:48:53 PM

Robot#: DASY4-PG-1 | Run#: CcC-AB-130130-20
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.7 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 938.000 (MHz)
 Battery: PMNN4406A
 Carry Acc: PMLN5846A
 Audio Acc: PMMN4024A
 Start Power: 2.96 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.201 mW/g (1g); 0.150 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 938$ MHz; $\sigma = 1.09$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

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

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

Reference Value = 15.2 V/m; Power Drift = -0.691 dB

Motorola Fast SAR: SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.160 mW/g

Maximum value of SAR (interpolated) = 0.233 mW/g

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

Reference Value = 15.2 V/m; Power Drift = -0.761 dB

Peak SAR (extrapolated) = 0.216 W/kg

Motorola Fast SAR: SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.149 mW/g

Maximum value of SAR (interpolated) = 0.216 mW/g

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

Reference Value = 15.2 V/m; Power Drift = -0.909 dB

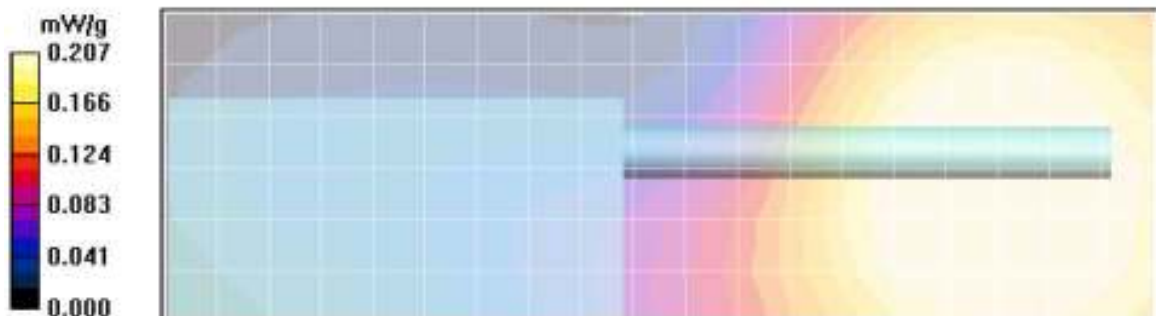
Peak SAR (extrapolated) = 0.262 W/kg

SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.150 mW/g

Maximum value of SAR (measured) = 0.211 mW/g

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

Maximum value of SAR (measured) = 0.207 mW/g



Assessments at the Body with Body worn PMLN5843A

Table 59

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/31/2013 7:31:32 AM

Robot#: DASY4-PG-1 | Run#: PS-AB-130131-02
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.9 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 938.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: PMLN5843A
 Audio Acc: PMMN4024A
 Start Power: 2.96 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.198 mW/g (1g); 0.148 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 938$ MHz; $\sigma = 1.09$ mho/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

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

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

Reference Value = 15.2 V/m; Power Drift = -0.738 dB

Motorola Fast SAR: SAR(1 g) = 0.218 mW/g; SAR(10 g) = 0.158 mW/g

Maximum value of SAR (interpolated) = 0.230 mW/g

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

Reference Value = 15.2 V/m; Power Drift = -0.825 dB

Peak SAR (extrapolated) = 0.214 W/kg

Motorola Fast SAR: SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.147 mW/g

Maximum value of SAR (interpolated) = 0.214 mW/g

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

Reference Value = 15.2 V/m; Power Drift = -0.979 dB

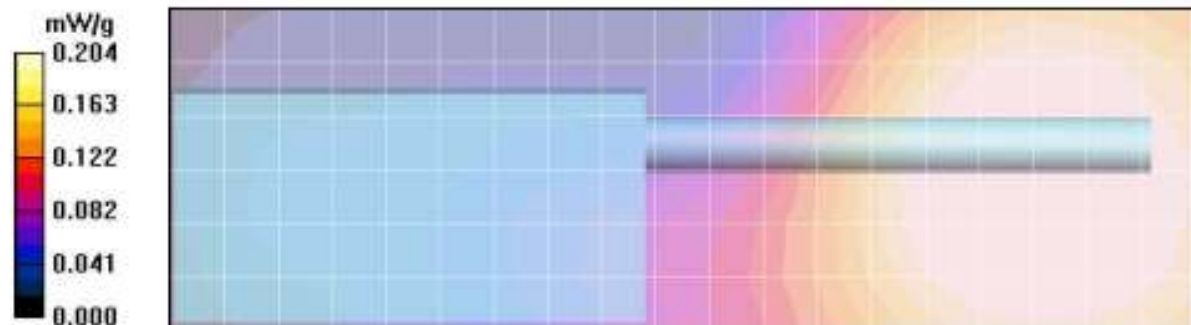
Peak SAR (extrapolated) = 0.257 W/kg

SAR(1 g) = 0.198 mW/g; SAR(10 g) = 0.148 mW/g

Maximum value of SAR (measured) = 0.208 mW/g

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

Maximum value of SAR (measured) = 0.204 mW/g



Assessments at the Body with Body worn PMLN5845A
Table 60

Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/31/2013 11:43:25 AM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130131-09
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.6 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 938.000 (MHz)
 Battery: PMNN4406A
 Carry Acc: PMLN5845A
 Audio Acc: PMMN4024A
 Start Power: 2.97 (W)

Note:
 Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 1.810 mW/g (1g); 1.290 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 938$ MHz; $\sigma = 1.09$ mho/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)
 Electronics: DAE3 Sn374, Calibrated: 4/24/2012

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

Reference Value = 46.7 V/m; Power Drift = -0.836 dB

Motorola Fast SAR: SAR(1 g) = 1.97 mW/g; SAR(10 g) = 1.38 mW/g

Maximum value of SAR (interpolated) = 2.09 mW/g

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

Reference Value = 46.7 V/m; Power Drift = -1.04 dB

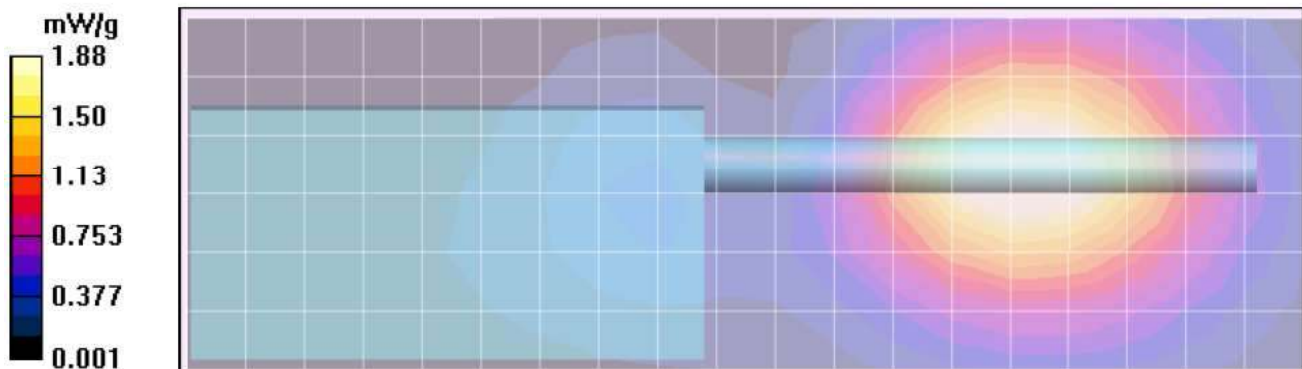
Peak SAR (extrapolated) = 2.43 W/kg

SAR(1 g) = 1.81 mW/g; SAR(10 g) = 1.29 mW/g

Maximum value of SAR (measured) = 1.92 mW/g

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

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



Assessments at the Body with Body worn PMLN5839A
Table 61

Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/31/2013 1:25:18 PM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130131-12
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.7 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 938.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: PMLN5839A
 Audio Acc: PMMN4024A
 Start Power: 2.97 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.394 mW/g (1g); 0.291 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 938 \text{ MHz}$; $\sigma = 1.09 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

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

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

Reference Value = 21.7 V/m; Power Drift = -0.720 dB

Motorola Fast SAR: SAR(1 g) = 0.427 mW/g; SAR(10 g) = 0.306 mW/g

Maximum value of SAR (interpolated) = 0.450 mW/g

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

Reference Value = 21.7 V/m; Power Drift = -0.896 dB

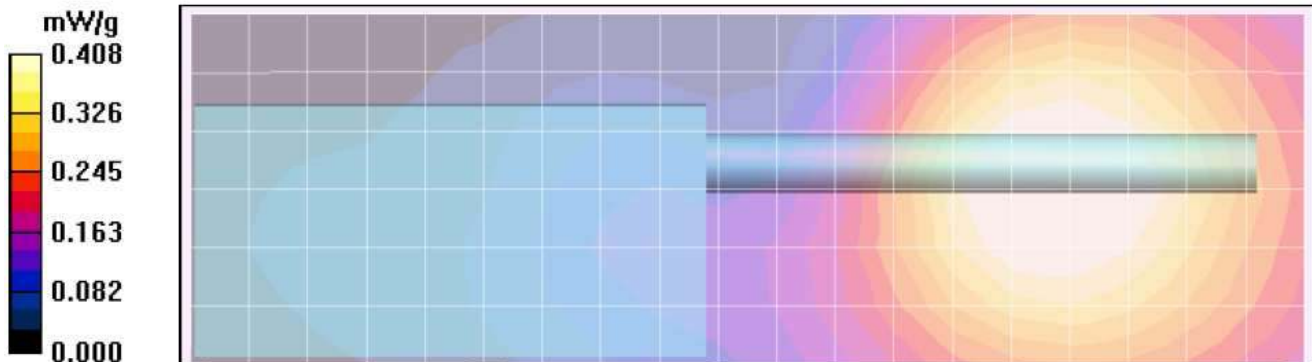
Peak SAR (extrapolated) = 0.516 W/kg

SAR(1 g) = 0.394 mW/g; SAR(10 g) = 0.291 mW/g

Maximum value of SAR (measured) = 0.416 mW/g

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

Maximum value of SAR (measured) = 0.408 mW/g



Assessments at the Body with Body worn PMLN7008A
Table 62

Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/31/2013 4:54:19 PM

Robot#: DASY4-PG-1 | Run#: CcC-AB-130131-17
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.7 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 938.000 (MHz)
 Battery: PMNN4406A
 Carry Acc: PMLN7008A
 Audio Acc: PMMN4024A
 Start Power: 2.97 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 1.530 mW/g (1g); 1.100 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 938$ MHz; $\sigma = 1.09$ mho/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)
 Electronics: DAE3 Sn374, Calibrated: 4/24/2012

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

Reference Value = 43.5 V/m; Power Drift = -0.846 dB

Motorola Fast SAR: SAR(1 g) = 1.66 mW/g; SAR(10 g) = 1.17 mW/g

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

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

Reference Value = 43.5 V/m; Power Drift = -1.02 dB

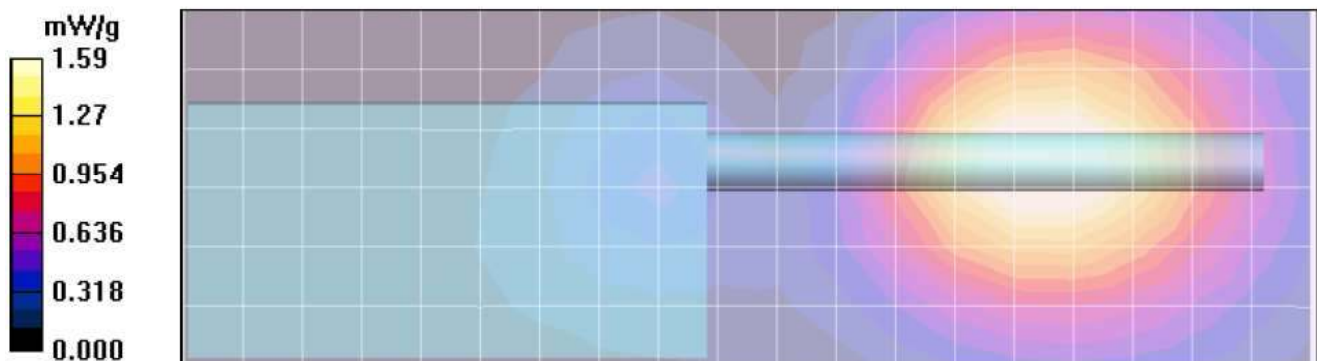
Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 1.53 mW/g; SAR(10 g) = 1.1 mW/g

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

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

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



Assessments at the Body with Body worn PMLN4651A
Table 63

Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/31/2013 7:53:57 PM

Robot#: DASY4-PG-1 | Run#: CcC-AB-130131-21
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.5 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 938.000 (MHz)
 Battery: PMNN4406A
 Carry Acc: PMLN4651A
 Audio Acc: PMMN4024A
 Start Power: 2.95 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 1.590 mW/g (1g); 1.140 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 938 \text{ MHz}$; $\sigma = 1.09 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

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

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

Reference Value = 43.7 V/m; Power Drift = -0.762 dB

Motorola Fast SAR: SAR(1 g) = 1.72 mW/g; SAR(10 g) = 1.21 mW/g

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

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

Reference Value = 43.7 V/m; Power Drift = -0.962 dB

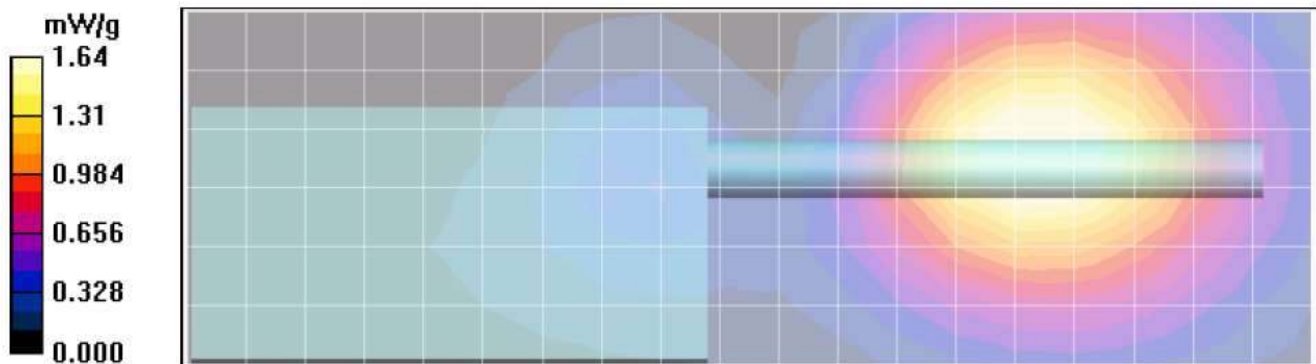
Peak SAR (extrapolated) = 2.12 W/kg

SAR(1 g) = 1.59 mW/g; SAR(10 g) = 1.14 mW/g

Maximum value of SAR (measured) = 1.68 mW/g

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

Maximum value of SAR (measured) = 1.64 mW/g



Assessments at the Body with Body worn RLN4570A
Table 64

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/1/2013 7:31:44 AM

Robot#: DASY4-PG-1 | Run#: PS-AB-130201-03
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 21.1 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 938.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: RLN4570A
 Audio Acc: PMMN4024A
 Start Power: 2.97 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 5.800 mW/g (1g); 3.930 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 938 \text{ MHz}$; $\sigma = 1.09 \text{ mho/m}$; $\epsilon_r = 52.8$; $\rho = 1000 \text{ kg/m}^3$

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

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

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

Reference Value = 84.2 V/m; Power Drift = -0.814 dB

Motorola Fast SAR: SAR(1 g) = 6.35 mW/g; SAR(10 g) = 4.32 mW/g

Maximum value of SAR (interpolated) = 6.78 mW/g

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

Reference Value = 84.2 V/m; Power Drift = -1.04 dB

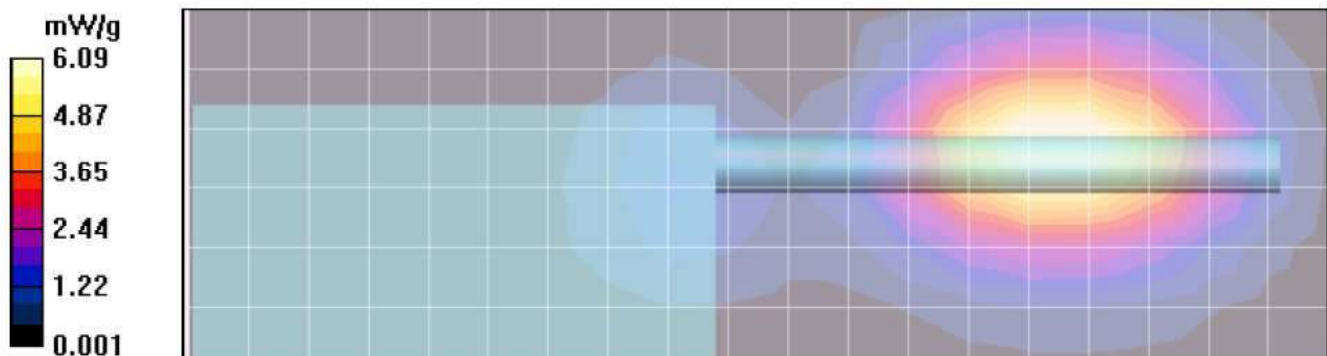
Peak SAR (extrapolated) = 8.10 W/kg

SAR(1 g) = 5.8 mW/g; SAR(10 g) = 3.93 mW/g

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

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

Maximum value of SAR (measured) = 6.09 mW/g



Assessments at the Body with Body worn RLN4815A
Table 65

Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/1/2013 9:44:16 AM

Robot#: DASY4-PG-1 | Run#: PS-AB-130201-07
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.9 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 938.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: RLN4815A
 Audio Acc: PMMN4024A
 Start Power: 2.96 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 1.330 mW/g (1g); 0.954 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 938$ MHz; $\sigma = 1.09$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

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

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

Reference Value = 40.3 V/m; Power Drift = -0.800 dB

Motorola Fast SAR: SAR(1 g) = 1.44 mW/g; SAR(10 g) = 1.01 mW/g

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

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

Reference Value = 40.3 V/m; Power Drift = -1.02 dB

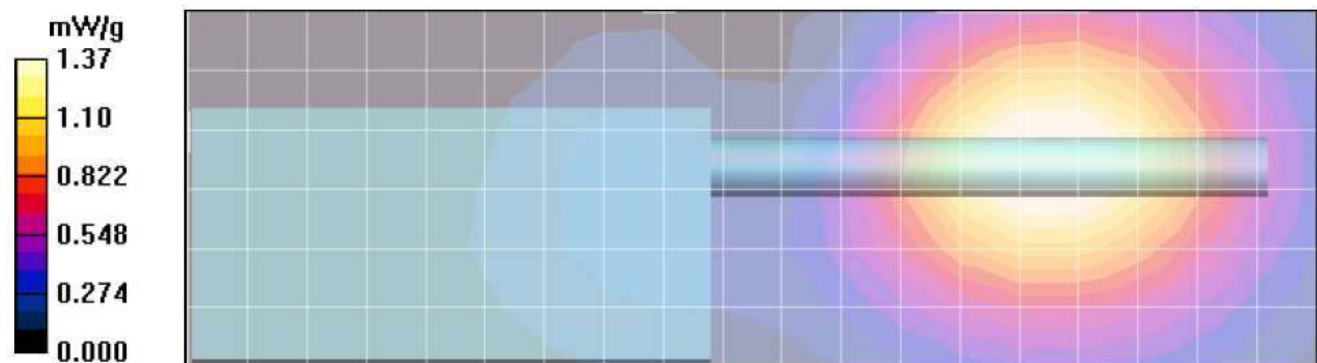
Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 1.33 mW/g; SAR(10 g) = 0.954 mW/g

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

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

Maximum value of SAR (measured) = 1.37 mW/g



Assessments at the Body with Body worn HLN6602A
Table 66

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/1/2013 2:40:38 PM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130201-12
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.7 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 938.000 (MHz)
 Battery: PMNN4406A
 Carry Acc: HLN6602A
 Audio Acc: PMMN4024A
 Start Power: 2.96 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 5.440 mW/g (1g); 3.720 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 938 \text{ MHz}$; $\sigma = 1.09 \text{ mho/m}$; $\epsilon_r = 52.8$; $\rho = 1000 \text{ kg/m}^3$

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.06, 6.06, 6.06)

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

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

Reference Value = 83.1 V/m; Power Drift = -0.873 dB

Motorola Fast SAR: SAR(1 g) = 5.97 mW/g; SAR(10 g) = 4.07 mW/g

Maximum value of SAR (interpolated) = 6.38 mW/g

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

Reference Value = 83.1 V/m; Power Drift = -1.07 dB

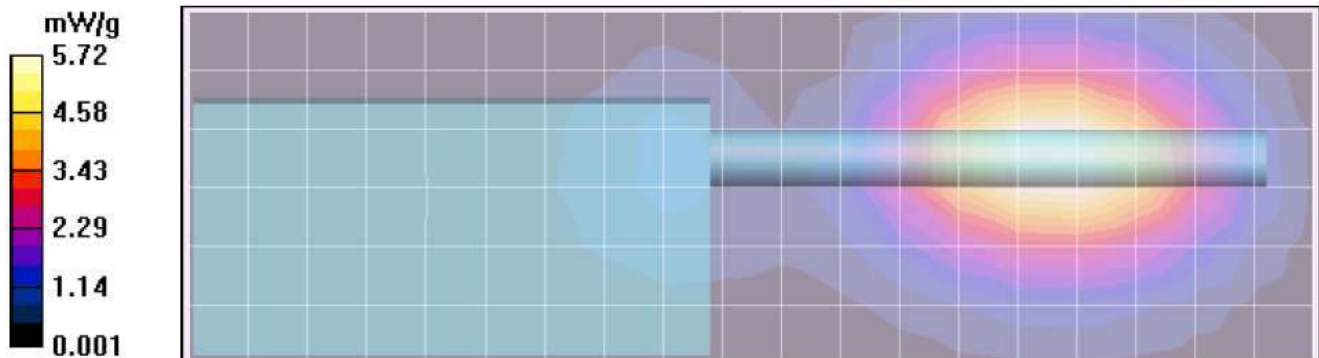
Peak SAR (extrapolated) = 7.55 W/kg

SAR(1 g) = 5.44 mW/g; SAR(10 g) = 3.72 mW/g

Maximum value of SAR (measured) = 5.83 mW/g

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

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



Assessments at the Body with Body worn PMLN5843A (no belt-loop) with Carry Strap NTN5243A

Table 67

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/4/2013 7:33:00 PM

Robot#: DASY4-PG-1 | Run#: PS-AB-130204-20
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 21.0 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 938.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: PMLN5843A w/ NTN5243A
 Audio Acc: PMMN4024A
 Start Power: 2.96 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.566 mW/g (1g); 0.414 mW/g (10g)

Comments: Full Scan. Back of radio w/o belt loop.

Duty Cycle: 1:1, Medium parameters used: $f = 938$ MHz; $\sigma = 1.08$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(5.82, 5.82, 5.82)

Electronics: DAE4 Sn684, Calibrated: 12/17/2012

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

Reference Value = 26.6 V/m; Power Drift = -0.865 dB

Motorola Fast SAR: SAR(1 g) = 0.620 mW/g; SAR(10 g) = 0.442 mW/g

Maximum value of SAR (interpolated) = 0.655 mW/g

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

Reference Value = 26.6 V/m; Power Drift = -1.09 dB

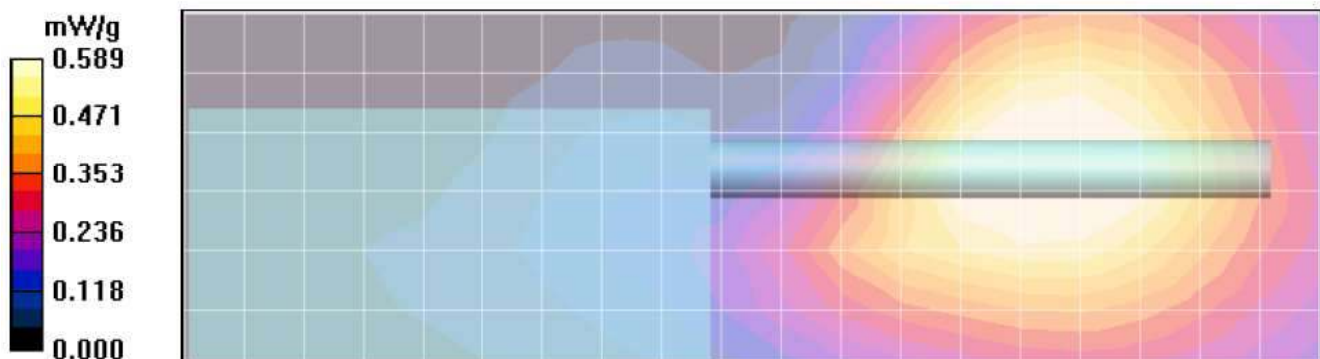
Peak SAR (extrapolated) = 0.750 W/kg

SAR(1 g) = 0.566 mW/g; SAR(10 g) = 0.414 mW/g

Maximum value of SAR (measured) = 0.593 mW/g

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

Maximum value of SAR (measured) = 0.589 mW/g



Assessments at the Body with Body worn PMLN5845A (fixed belt-loop) with Carry Strap NTN5243A

Table 68

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/4/2013 8:05:14 PM

Robot#: DASY4-PG-1 | Run#: PS-AB-130204-21
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.9 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 938.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: PMLN5845A w/ NTN5243A
 Audio Acc: PMMN4024A
 Start Power: 2.96 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 1.380 mW/g (1g); 0.988 mW/g (10g)

Comments: Full Scan. Back of radio w/ fixed belt loop.

Duty Cycle: 1:1, Medium parameters used: $f = 938$ MHz; $\sigma = 1.08$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(5.82, 5.82, 5.82)
 Electronics: DAE4 Sn684, Calibrated: 12/17/2012

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

Reference Value = 41.1 V/m; Power Drift = -0.800 dB

Motorola Fast SAR: SAR(1 g) = 1.51 mW/g; SAR(10 g) = 1.07 mW/g

Maximum value of SAR (interpolated) = 1.60 mW/g

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

Reference Value = 41.1 V/m; Power Drift = -1.09 dB

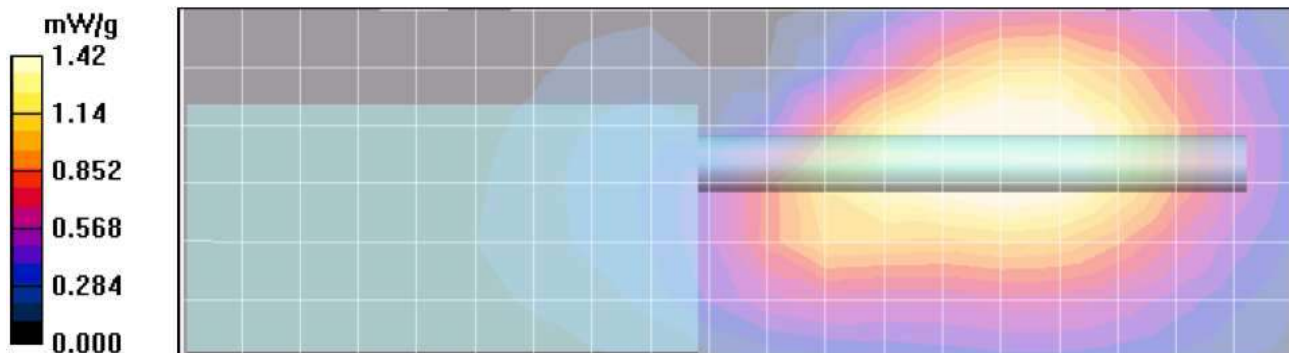
Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 1.38 mW/g; SAR(10 g) = 0.988 mW/g

Maximum value of SAR (measured) = 1.46 mW/g

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

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



Assessments at the Body with Body worn PMLN5839A (fixed belt-loop) with Carry Strap NTN5243A

Table 69

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/5/2013 7:30:11 AM

Robot#: DASY4-PG-1 | Run#: CcC-AB-130205-02
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 21.3 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 938.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: PMLN5839A w/ NTN5243A
 Audio Acc: PMMN4024A
 Start Power: 2.98 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.426 mW/g (1g); 0.313 mW/g (10g)

Comments: Full Scan. Back of radio w/ fixed belt loop.

Duty Cycle: 1:1, Medium parameters used: $f = 938$ MHz; $\sigma = 1.08$ mho/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(5.82, 5.82, 5.82)

Electronics: DAE4 Sn684, Calibrated: 12/17/2012

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

Reference Value = 22.6 V/m; Power Drift = -0.724 dB

Motorola Fast SAR: SAR(1 g) = 0.459 mW/g; SAR(10 g) = 0.329 mW/g

Maximum value of SAR (interpolated) = 0.484 mW/g

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

Reference Value = 22.6 V/m; Power Drift = -0.911 dB

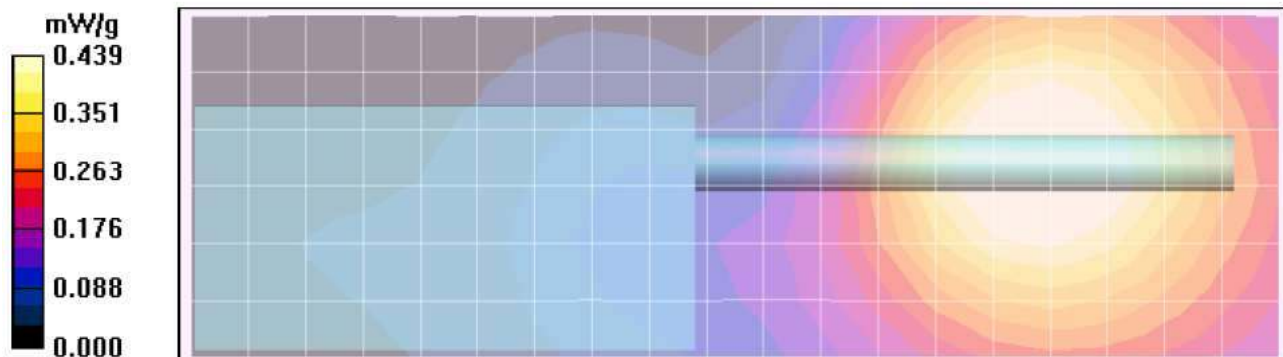
Peak SAR (extrapolated) = 0.563 W/kg

SAR(1 g) = 0.426 mW/g; SAR(10 g) = 0.313 mW/g

Maximum value of SAR (measured) = 0.449 mW/g

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

Maximum value of SAR (measured) = 0.439 mW/g



Assessments at the Body with other audio accessories

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

Assessments of wireless BT configuration at the Body

Table 70

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/29/2013 8:27:58 AM

Robot#: DASY5-PG-2 | Run#: PS-AB-130329-04
 Model#: PMUF1615A
 Phantom#: ELI4 1028
 Tissue Temp: 20.8 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 938.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: RLN4570A
 Audio Acc: NONE
 Start Power: 2.96 (W)

Comments: Shorten Scan.

Duty Cycle: 1:1, Medium parameters used: $f = 938 \text{ MHz}$; $\sigma = 1.09 \text{ mho/m}$; $\epsilon_r = 52.5$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3274, , ConvF(5.98, 5.98, 5.98); Calibrated: 11/13/2012
 Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (61x191x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 88.381 V/m; Power Drift = -1.02 dB

Fast SAR: SAR(1 g) = 6.77 mW/g; SAR(10 g) = 4.61 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 7.25 W/kg

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (7x20x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 6.83 W/kg

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

Reference Value = 89.350 V/m; Power Drift = -0.62 dB

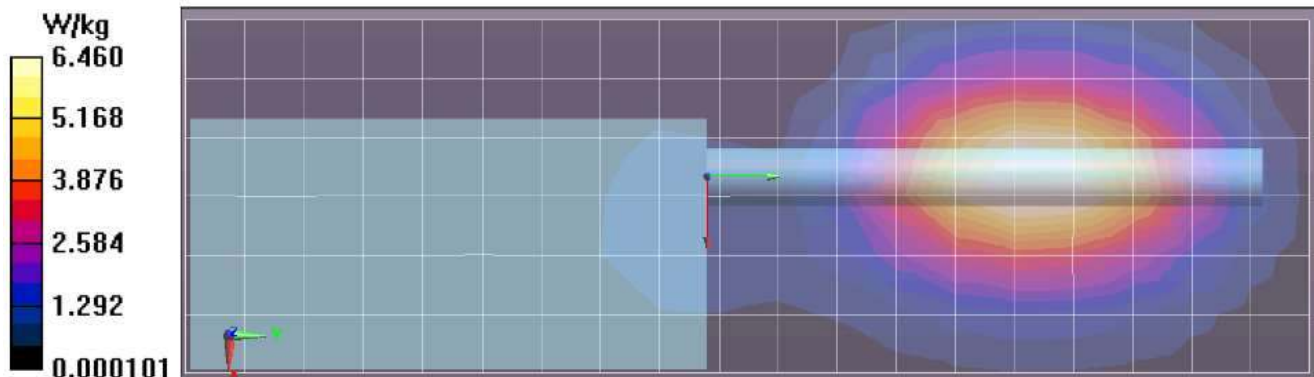
Peak SAR (extrapolated) = 9.766 mW/g

SAR(1 g) = 7.11 mW/g; SAR(10 g) = 4.86 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.63 W/kg

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

Maximum value of SAR (measured) = 6.46 W/kg



**806-824 MHz Bands
Assessments at the Face
Table 72**

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/23/2013 7:27:17 PM

Robot#: DASY4-PG-1 | Run#: PS-FACE-130123-19
 Model#: PMUF1615A
 Phantom#: ELL4 1050
 Tissue Temp: 21.0 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 815.500 (MHz)
 Battery: PMNN4409A
 Carry Acc: NONE
 Audio Acc: NONE
 Start Power: 2.91 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.011 mW/g (1g); 1.475 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 816$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 41$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.22, 6.22, 6.22)
 Electronics: DAE3 Sn374, Calibrated: 4/24/2012

Face Scan/1-Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 48.6 V/m; Power Drift = -0.285 dB

Motorola Fast SAR: SAR(1 g) = 2.09 mW/g; SAR(10 g) = 1.5 mW/g

Maximum value of SAR (interpolated) = 2.21 mW/g

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

Reference Value = 48.6 V/m; Power Drift = -0.319 dB

Peak SAR (extrapolated) = 2.13 W/kg

Motorola Fast SAR: SAR(1 g) = 2.03 mW/g; SAR(10 g) = 1.46 mW/g

Maximum value of SAR (interpolated) = 2.13 mW/g

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

Reference Value = 48.6 V/m; Power Drift = -0.407 dB

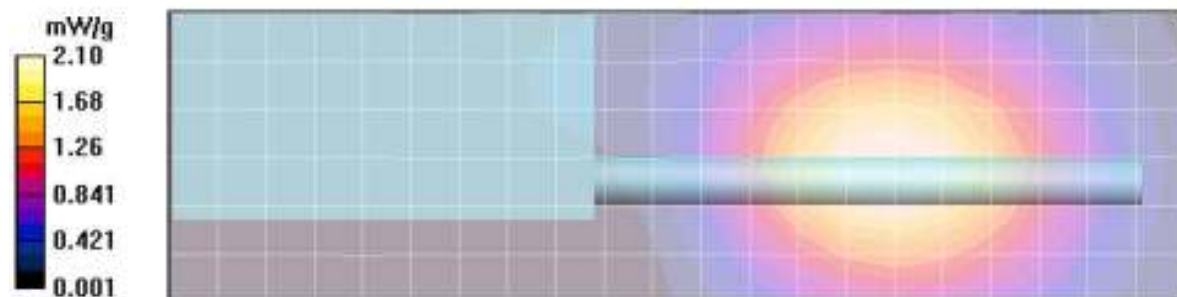
Peak SAR (extrapolated) = 2.58 W/kg

SAR(1 g) = 2 mW/g; SAR(10 g) = 1.47 mW/g

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

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

Maximum value of SAR (measured) = 2.10 mW/g



**851-869 MHz Bands
Assessments at the Face
Table 74**

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/23/2013 4:30:01 PM

Robot#: DASY4-PG-1 | Run#: Lee-FACE-130123-14
 Model#: PMUF1615A
 Phantom#: ELI4 1050
 Tissue Temp: 20.8 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4011A
 Test Freq: 851.000 (MHz)
 Battery: NNTN8129A
 Carry Acc: NONE
 Audio Acc: NONE
 Start Power: 2.91 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 1.530 mW/g (1g); 1.110 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 851$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3122, Calibrated: 4/26/2012, ConvF(6.22, 6.22, 6.22)

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

Face Scan/1-Area Scan (61x211x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 43.3 V/m; Power Drift = -0.471 dB

Motorola Fast SAR: SAR(1 g) = 1.62 mW/g; SAR(10 g) = 1.16 mW/g

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

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

Reference Value = 43.3 V/m; Power Drift = -0.521 dB

Peak SAR (extrapolated) = 1.64 W/kg

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

Maximum value of SAR (interpolated) = 1.64 mW/g

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

Reference Value = 43.3 V/m; Power Drift = -0.580 dB

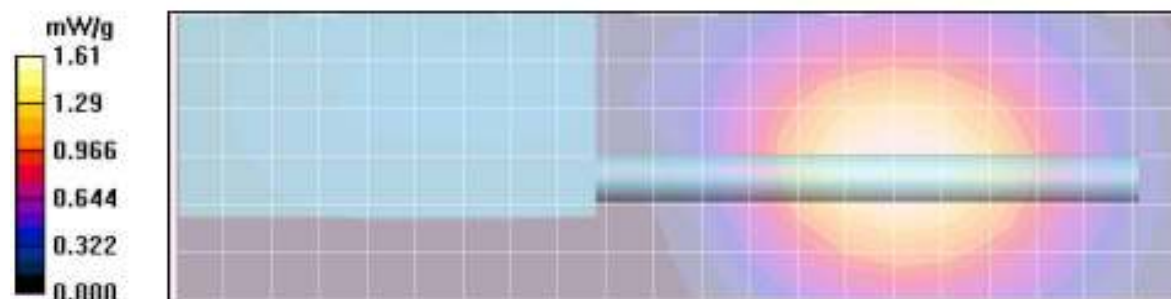
Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 1.53 mW/g; SAR(10 g) = 1.11 mW/g

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

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

Maximum value of SAR (measured) = 1.61 mW/g



**896-901 MHz Bands
Assessments at the Face
Table 76**

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/4/2013 9:08:05 AM

Robot#: DASY4-PG-1 | Run#: CeC-FACE-130204-05
 Model#: PMUF1615A
 Phantom#: ELI4 1050
 Tissue Temp: 21.3 (C)
 Serial#: 126TNX0235
 Antenna: PMAF4012A
 Test Freq: 896.000 (MHz)
 Battery: PMNN4406A
 Carry Acc: NONE
 Audio Acc: NONE
 Start Power: 2.96 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.900 mW/g (1g); 2.070 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 896$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(5.9, 5.9, 5.9)

Electronics: DAE4 Sn684, Calibrated: 12/17/2012

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

Reference Value = 60.4 V/m; Power Drift = -0.476 dB

Motorola Fast SAR: SAR(1 g) = 3.09 mW/g; SAR(10 g) = 2.19 mW/g

Maximum value of SAR (interpolated) = 3.27 mW/g

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

Reference Value = 60.4 V/m; Power Drift = -0.593 dB

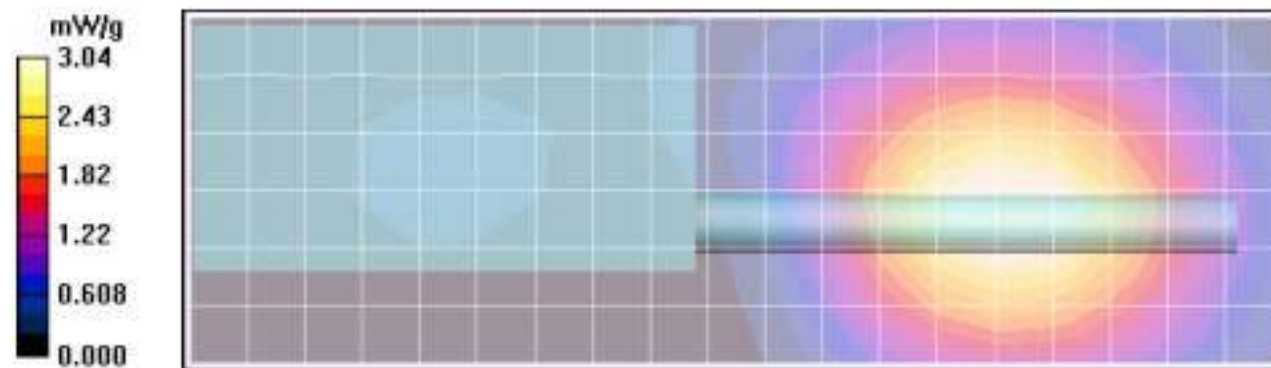
Peak SAR (extrapolated) = 3.86 W/kg

SAR(1 g) = 2.9 mW/g; SAR(10 g) = 2.07 mW/g

Maximum value of SAR (measured) = 3.08 mW/g

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

Maximum value of SAR (measured) = 3.04 mW/g



**935-940 MHz Bands
Assessments at the Face
Table 78**

Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/4/2013 11:17:10 AM

Robot#: DASY4-PG-1 | Run#: CcC-FACE-130204-09
Model#: PMUF1615A
Phantom#: ELI4 1050
Tissue Temp: 21.2 (C)
Serial#: 126TNX0235
Antenna: PMAF4012A
Test Freq: 935.000 (MHz)
Battery: PMNN4406A
Carry Acc: NONE
Audio Acc: NONE
Start Power: 2.95 (W)

Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 1.860 mW/g (1g); 1.320 mW/g (10g)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 935$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(5.9, 5.9, 5.9)

Electronics: DAE4 Sn684, Calibrated: 12/17/2012

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

Reference Value = 49.9 V/m; Power Drift = -0.882 dB

Motorola Fast SAR: SAR(1 g) = 2.07 mW/g; SAR(10 g) = 1.46 mW/g

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

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

Reference Value = 49.9 V/m; Power Drift = -1.07 dB

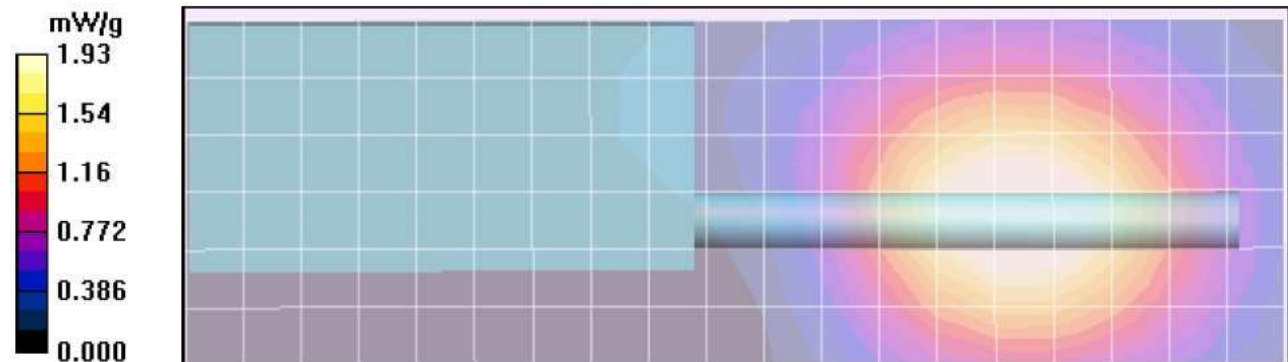
Peak SAR (extrapolated) = 2.50 W/kg

SAR(1 g) = 1.86 mW/g; SAR(10 g) = 1.32 mW/g

Maximum value of SAR (measured) = 1.97 mW/g

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

Maximum value of SAR (measured) = 1.93 mW/g



Assessments for Bluetooth
Table 79

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/26/2013 4:55:18 PM

Robot#: DASY5-PG-2 | Run#: CcC-AB-130326-03
 Model#: PMUF1615A
 Phantom#: ELI5 1147
 Tissue Temp: 21.3 (C)
 Serial#: 126TNX0235
 Antenna: BT and PMAF4011A
 Test Freq: 2441.000 (MHz)
 Battery: PMNN4407A
 Carry Acc: RLN4570A
 Audio Acc: NONE
 Start Power: 0.01 (W)

Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: $f = 2441$ MHz; $\sigma = 2$ mho/m; $\epsilon_r = 47.6$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3274, , ConvF(4.27, 4.27, 4.27); Calibrated: 11/13/2012

Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (61x211x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 1.933 V/m; Power Drift = -0.77 dB

Fast SAR: SAR(1 g) = 0.00914 mW/g; SAR(10 g) = 0.00503 mW/g (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0120 W/kg

Below 3 GHz-Rev.5/Ab Scan/3-Zoom Scan (6x7x7)/Cube 0: Measurement grid: $dx=7.5$ mm,

$dy=7.5$ mm, $dz=5$ mm

Reference Value = 1.933 V/m; Power Drift = -0.46 dB

Peak SAR (extrapolated) = 0.019 mW/g

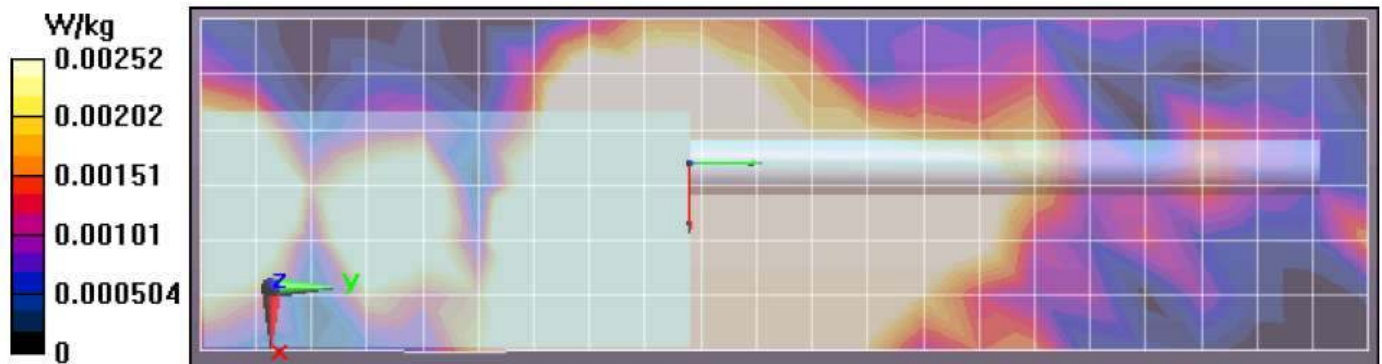
SAR(1 g) = 0.00747 mW/g; SAR(10 g) = 0.00352 mW/g (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.00881 W/kg

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

$dz=10$ mm

Maximum value of SAR (measured) = 0.00252 W/kg



APPENDIX H

DUT Supplementary Data (Power slump)

Power Slump Model # : PMUF1615A

Serial # : 126TNX0235

Battery: PMNN4407A

Transmit Mode: CW

Frequency: 899 MHz

Audio Accessory: PMMN4040A

Date: 2/28/2013

Tx Time (Minutes)	Measure Power (Watts)
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0.0	2.94
1.0	2.84
2.0	2.78
3.0	2.74
4.0	2.72
5.0	2.69
6.0	2.67
7.0	2.66
8.0	2.64
9.0	2.63
10.0	2.61
11.0	2.60
12.0	2.58
13.0	2.57
14.0	2.56
15.0	2.55
16.0	2.54
17.0	2.53
18.0	2.52
19.0	2.51
20.0	2.50
21.0	2.50
22.0	2.49
23.0	2.48
24.0	2.48
25.0	2.47
26.0	2.46
27.0	2.46
28.0	2.45
29.0	2.45
30.0	2.44
31.0	2.44
32.0	2.43
33.0	2.43
34.0	2.42
35.0	2.42
36.0	2.42
37.0	2.41
38.0	2.41
39.0	2.41
40.0	2.40



APPENDIX I

DUT Test Position Photos

Photos available in Exhibit 7B

APPENDIX J
DUT, Body worn and Audio Accessory Photos

Photos available in Exhibit 7B