


MOTOROLA SOLUTIONS


TESTING CERT # 2518.01

DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2

Motorola Solutions Inc.
EME Test Laboratory
 8000 West Sunrise Blvd
 Fort Lauderdale, FL. 33322.

Date of Report: 5/17/12
Report Revision: A
Report ID: SR10287 APX4000 U2 BT 2 of 2
 Rev O 120517

Responsible Engineer: Michael Sailsman (Senior Staff Eng.)
Report Author: Michael Sailsman (Senior Staff Eng.)
Date/s Tested: 2/17/12-3/8/12
Manufacturer/Location: Penang
Sector/Group/Div.: AESS Astro Engineering Subscriber Solutions
Date submitted for test: 2/02/12
DUT Description: 450 - 520MHz 3-5.6W 6.25kHz/12.5kHz/25kHz, Single Display Model full keypad. Capable of digital TDMA and analog FM transmission. This radio is Bluetooth equipped.
Test TX mode(s): CW (PTT); BT (CW)
Max. Power output: 5.6W; 0.010 W (Bluetooth)
Nominal Power: 5.0W, 0.010 W (Bluetooth)
Tx Frequency Bands: 450 - 520 MHz; 2.402-2.480 GHz (Bluetooth)
Signaling type: FM; TDMA; FHSS(BT)
Model(s) Tested: H51SDH9PW7AN (MUE4080)
Model(s) Certified: H51SDH9PW7AN (MUE4080)
Serial Number(s): 426TNB0563
Classification: Occupational/Controlled
FCC ID: AZ489FT4910; Rule Part 90 450-512MHz. Results outside this band are not applicable to demonstrate FCC compliance.

* 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.

Deanna Zakharia
EMS EME Lab Senior Resource Manager,
Laboratory Director
Approval Date: 5/18/2012

Certification Date: 3/19/2012
Certification No.: L1120306P

Appendix D
System Check Scans

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/17/2012 5:37:45 AM, Date/Time: 2/17/2012 5:42:55 AM, Date/Time: 2/17/2012 5:53:20 AM

Robot# / Run#: DASY5-FL-1 / ErC-SYSP 450B-120217-01
 Phantom# / Tissue Temp.: OVAL1090 / 21.2 (C)
 Dipole Model# / Serial#: D450V3 / 1077
 TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.53 mW/g (1g)
 Adjusted SAR (1W): 4.52 mW/g (1g)
 Percent from Target (+/-): 0.2 % (1g)
 Rotation (1D): 0.02 dB

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: 1.13 mW/g (1g); 0.758 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)
 Electronics: DAE4 Sn729, Calibrated: 6/20/2011
 Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 57.4$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.3m/System Performance Check/Dipole Area Scan 2 (5x9x1):

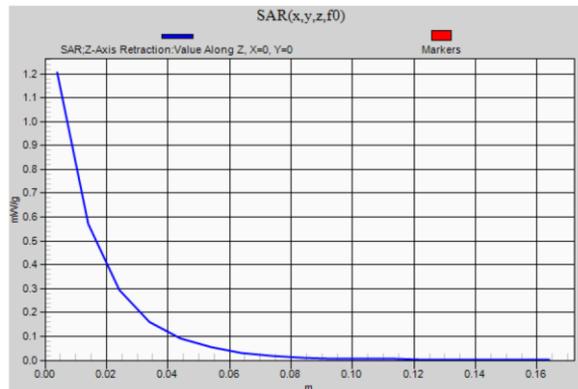
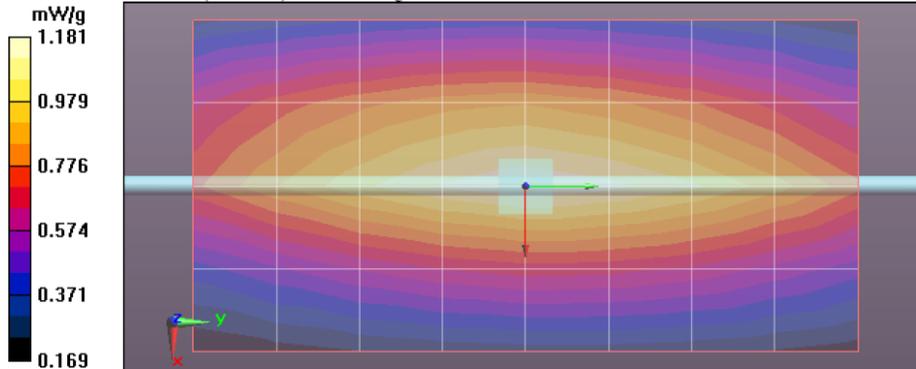
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.181 mW/g

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 35.928 V/m; Power Drift = 0.004 dB
 Peak SAR (extrapolated) = 1.689 W/kg
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.752 mW/g
 Maximum value of SAR (measured) = 1.206 mW/g

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

Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 1.205 mW/g



Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/18/2012 12:19:29 AM, Date/Time: 2/18/2012 12:24:38 AM, Date/Time: 2/18/2012 12:33:46 AM

Robot# / Run#: DASY5-FL-1 / ErC-SYSP 450B-120218-01
 Phantom# / Tissue Temp.: OVAL1090 / 21.2 (C)
 Dipole Model# / Serial#: D450V3 / 1077
 TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.53 mW/g (1g)
 Adjusted SAR (1W): 4.44 mW/g (1g)
 Percent from Target (+/-): 2.0 % (1g)
 Rotation (1D): 0.052 dB

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: 1.11 mW/g (1g); 0.736 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)
 Electronics: DAE4 Sn729, Calibrated: 6/20/2011
 Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 55.2$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.3m/System Performance Check/Dipole Area Scan 2 (5x9x1):

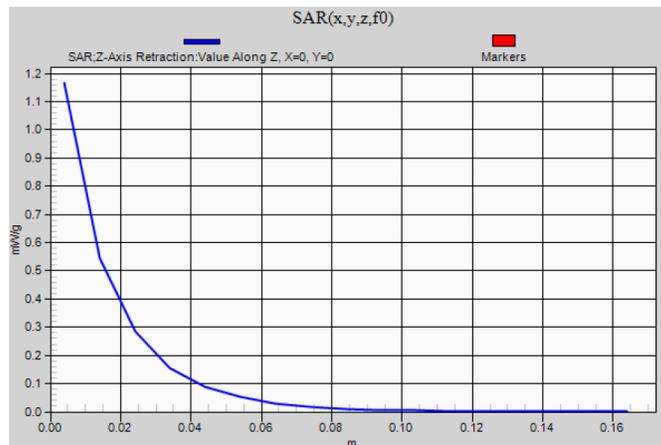
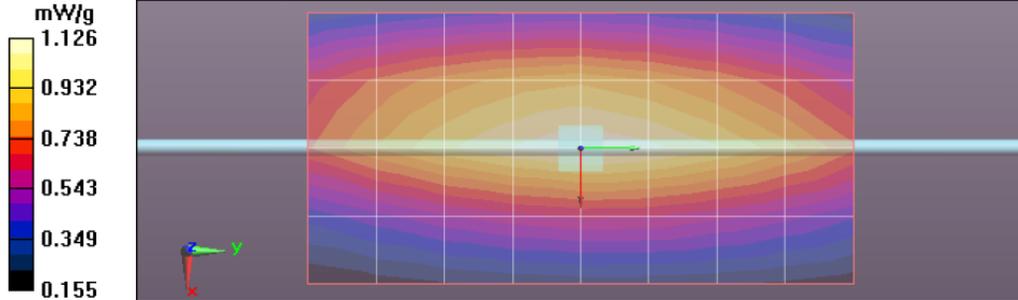
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.126 mW/g

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 35.941 V/m; Power Drift = 0.0097 dB
 Peak SAR (extrapolated) = 1.628 W/kg
 SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.727 mW/g
 Maximum value of SAR (measured) = 1.166 mW/g

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

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



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Date/Time: 2/19/2012 12:45:28 AM, Date/Time: 2/19/2012 12:50:36 AM, Date/Time: 2/19/2012 12:59:43 AM

Robot# / Run#: DASY5-FL-1 / ErC-SYSP 450B-120219-01
 Phantom# / Tissue Temp.: OVAL1090 / 22.2 (C)
 Dipole Model# / Serial#: D450V3 / 1077
 TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.53 mW/g (1g)
 Adjusted SAR (1W): 4.48 mW/g (1g)
 Percent from Target (+/-): 1.1 % (1g)
 Rotation (1D): 0.023 dB

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

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)
 Electronics: DAE4 Sn729, Calibrated: 6/20/2011
 Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 57$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.3m/System Performance Check/Dipole Area Scan 2 (5x9x1):

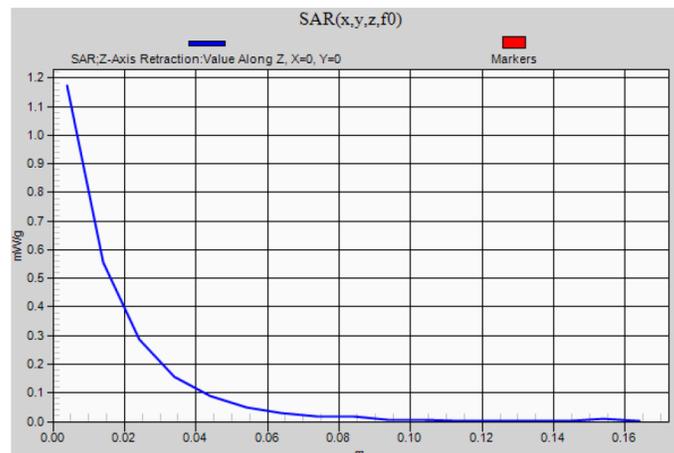
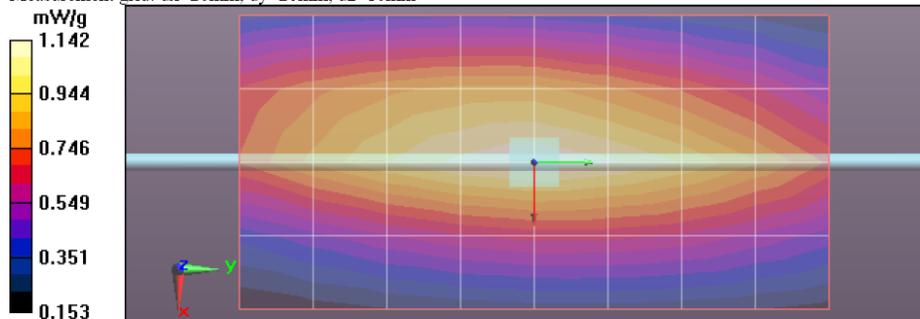
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.142 mW/g

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 35.943 V/m; Power Drift = 0.0097 dB
 Peak SAR (extrapolated) = 1.656 W/kg
 SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.733 mW/g
 Maximum value of SAR (measured) = 1.173 mW/g

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

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



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Date/Time: 2/20/2012 5:58:13 AM, Date/Time: 2/20/2012 6:03:23 AM, Date/Time: 2/20/2012 6:12:30 AM

Robot# / Run#: DASY5-FL-1 / ErC-SYSP 450B-120220-01
 Phantom# / Tissue Temp.: OVAL1090 / 21.5 (C)
 Dipole Model# / Serial#: D450V3 / 1077
 TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.53 mW/g (1g)
 Adjusted SAR (1W): 4.52 mW/g (1g)
 Percent from Target (+/-): 0.2 % (1g)
 Rotation (1D): 0.015 dB

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: 1.13 mW/g (1g); 0.745 mW/g (10g)

Comments:
 Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)
 Electronics: DAE4 Sn729, Calibrated: 6/20/2011
 Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 58.1$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.3m/System Performance Check/Dipole Area Scan 2 (5x9x1):

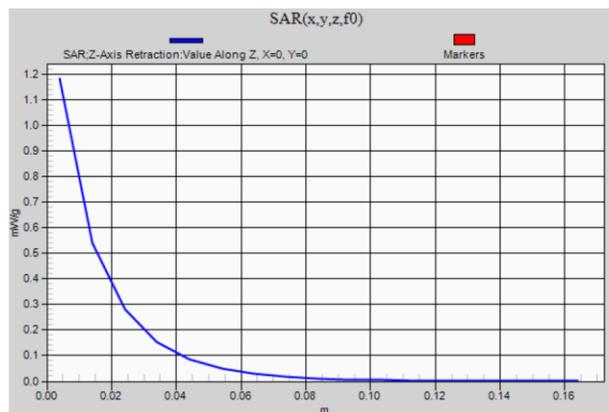
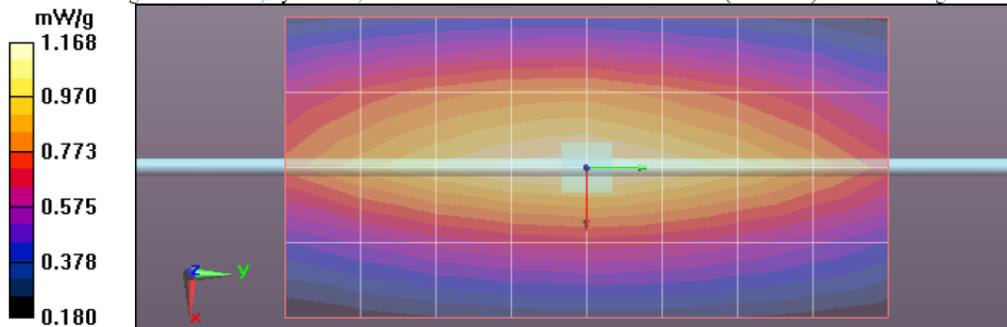
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.168 mW/g

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 35.800 V/m; Power Drift = -0.0022 dB
 Peak SAR (extrapolated) = 1.656 W/kg
 SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.733 mW/g
 Maximum value of SAR (measured) = 1.184 mW/g

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

Measurement grid: dx=20mm, dy=20mm, dz=10mm Maximum value of SAR (measured) = 1.185 mW/g



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Date/Time: 2/21/2012 5:41:33 AM, Date/Time: 2/21/2012 5:46:42 AM, Date/Time: 2/21/2012 5:55:50 AM

Robot# / Run#: DASY5-FL-1 / ErC-SYSP 450B-120221-01
 Phantom# / Tissue Temp.: OVAL1090 / 21.5 (C)
 Dipole Model# / Serial#: D450V3 / 1077
 TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.53 mW/g (1g)
 Adjusted SAR (1W): 4.56 mW/g (1g)
 Percent from Target (+/-): 0.7 % (1g)
 Rotation (1D): 0.02 dB

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

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)
 Electronics: DAE4 Sn729, Calibrated: 6/20/2011
 Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 57.6$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.3m/System Performance Check/Dipole Area Scan 2 (5x9x1):

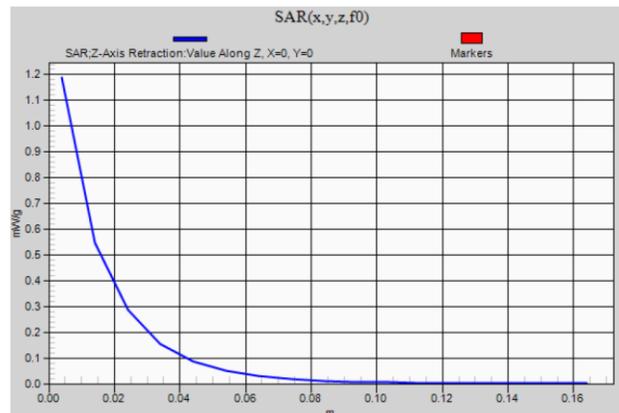
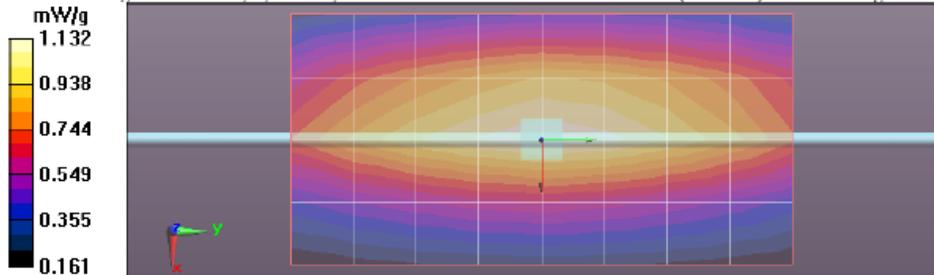
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.132 mW/g

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 36.153 V/m; Power Drift = 0.003 dB
 Peak SAR (extrapolated) = 1.666 W/kg
 SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.736 mW/g
 Maximum value of SAR (measured) = 1.186 mW/g

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

Measurement grid: dx=20mm, dy=20mm, dz=10mm Maximum value of SAR (measured) = 1.189 mW/g



Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/22/2012 5:55:18 AM, Date/Time: 2/22/2012 6:00:27 AM, Date/Time: 2/22/2012 6:09:34 AM

Robot# / Run#: DASY5-FL-1 / ErC-SYSP 450B-120222-01
 Phantom# / Tissue Temp.: OVAL1090 / 21.5 (C)
 Dipole Model# / Serial#: D450V3 / 1077
 TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.53 mW/g (1g)
 Adjusted SAR (1W): 4.52 mW/g (1g)
 Percent from Target (+/-): 0.2 % (1g)
 Rotation (1D): 0.022 dB

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: 1.13 mW/g (1g); 0.752 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)
 Electronics: DAE4 Sn729, Calibrated: 6/20/2011
 Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 56.9$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.3m/System Performance Check/Dipole Area Scan 2 (5x9x1):

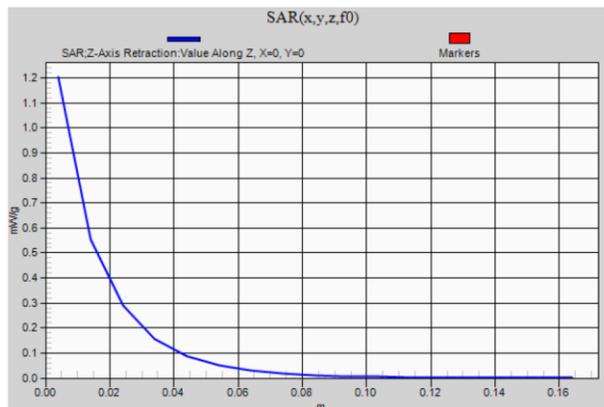
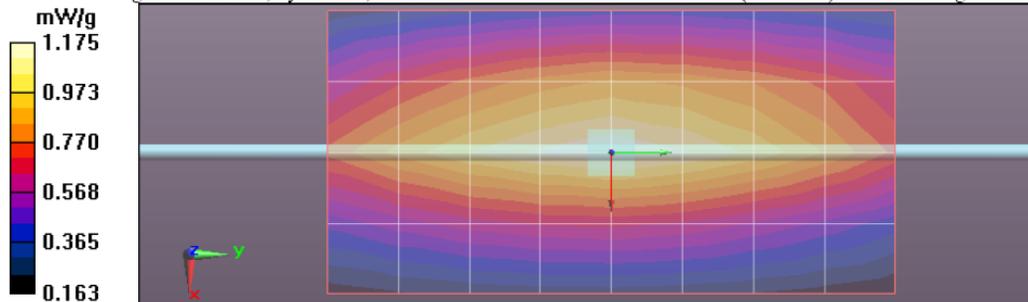
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.175 mW/g

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 36.108 V/m; Power Drift = 0.003 dB
 Peak SAR (extrapolated) = 1.689 W/kg
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.746 mW/g
 Maximum value of SAR (measured) = 1.204 mW/g

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

Measurement grid: dx=20mm, dy=20mm, dz=10mm Maximum value of SAR (measured) = 1.203 mW/g



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Date/Time: 2/23/2012 5:46:31 AM, Date/Time: 2/23/2012 5:51:41 AM, Date/Time: 2/23/2012 6:00:48 AM

Robot# / Run#: DASY5-FL-1 / ErC-SYSP 450B-120223-01
 Phantom# / Tissue Temp.: OVAL1090 / 21.5 (C)
 Dipole Model# / Serial#: D450V3 / 1077
 TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.53 mW/g (1g)
 Adjusted SAR (1W): 4.56 mW/g (1g)
 Percent from Target (+/-): 0.7 % (1g)
 Rotation (1D): 0.021 dB

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: 1.14 mW/g (1g); 0.755 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)
 Electronics: DAE4 Sn729, Calibrated: 6/20/2011
 Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 56.7$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.3m/System Performance Check/Dipole Area Scan 2 (5x9x1):

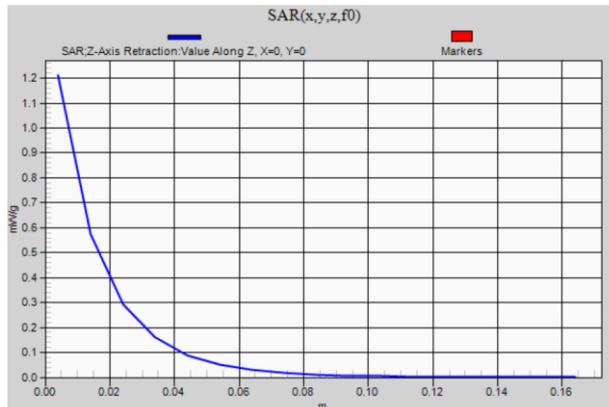
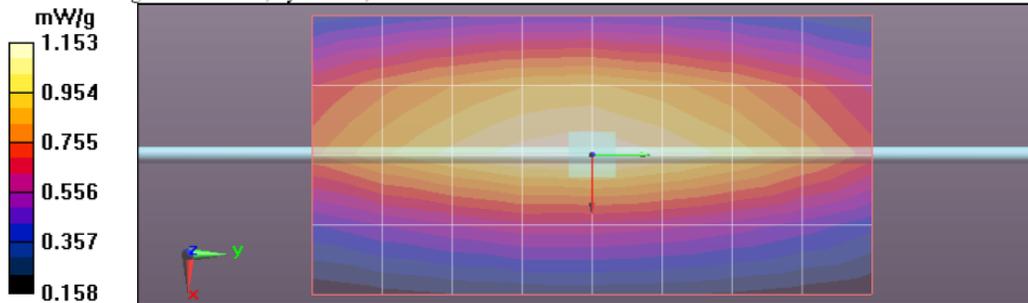
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.153 mW/g

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 36.093 V/m; Power Drift = -0.0068 dB
 Peak SAR (extrapolated) = 1.690 W/kg
 SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.753 mW/g
 Maximum value of SAR (measured) = 1.212 mW/g

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

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



Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/24/2012 5:47:21 AM, Date/Time: 2/24/2012 5:52:30 AM, Date/Time: 2/24/2012 6:01:38 AM

Robot# / Run#: DASY5-FL-1 / ErC-SYSP 450B-120224-01
 Phantom# / Tissue Temp.: OVAL1090 / 21.4 (C)
 Dipole Model# / Serial#: D450V3 / 1077
 TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.53 mW/g (1g)
 Adjusted SAR (1W): 4.60 mW/g (1g)
 Percent from Target (+/-): 1.5 % (1g)
 Rotation (1D): 0.015 dB

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: 1.15 mW/g (1g); 0.764 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)
 Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 56.7$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.3m/System Performance Check/Dipole Area Scan 2 (5x9x1):

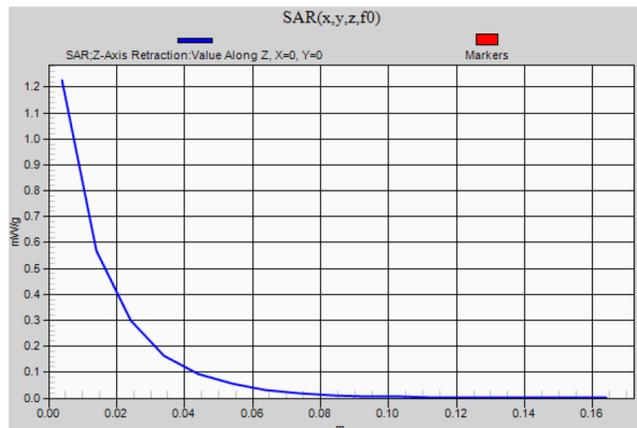
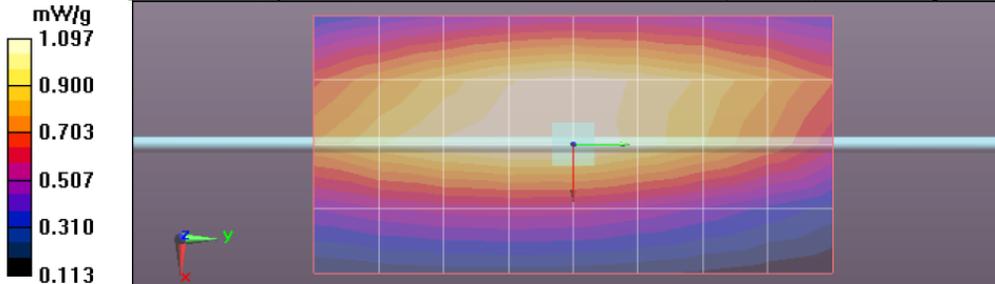
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.097 mW/g

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 36.300 V/m; Power Drift = 0.0058 dB
 Peak SAR (extrapolated) = 1.713 W/kg
 SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.762 mW/g
 Maximum value of SAR (measured) = 1.222 mW/g

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

Measurement grid: dx=20mm, dy=20mm, dz=10mm Maximum value of SAR (measured) = 1.225 mW/g



Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/25/2012 12:19:52 AM, Date/Time: 2/25/2012 12:24:56 AM, Date/Time: 2/25/2012 12:34:00 AM

Robot# / Run#: DASY5-FL-1 / CM-SYSP 450B-120225-01
 Phantom# / Tissue Temp.: OVAL1090 / 21.9 (C)
 Dipole Model# / Serial#: D450V3 / 1077
 TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.53 mW/g (1g)
 Adjusted SAR (1W): 4.56 mW/g (1g)
 Percent from Target (+/-): 0.7 % (1g)
 Rotation (1D): 0.018 dB

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: 1.14 mW/g (1g); 0.759 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)
 Electronics: DAE4 Sn729, Calibrated: 6/20/2011
 Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 56.5$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.3m/System Performance Check/Dipole Area Scan 2 (5x9x1):

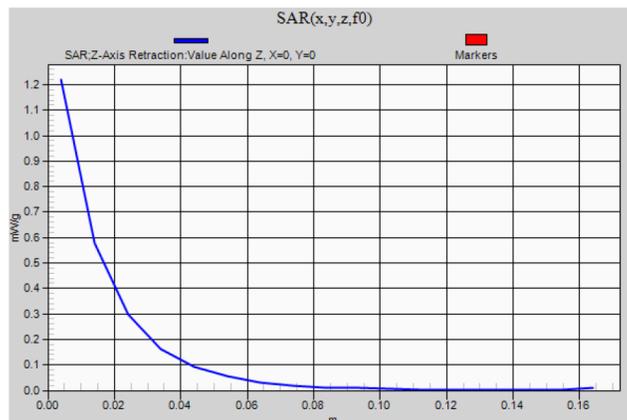
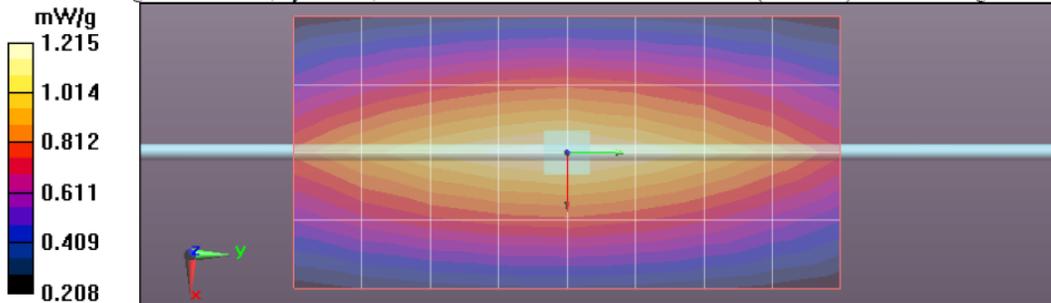
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.215 mW/g

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 36.147 V/m; Power Drift = -0.0008 dB
 Peak SAR (extrapolated) = 1.708 W/kg
 SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.757 mW/g

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

Measurement grid: dx=20mm, dy=20mm, dz=10mm Maximum value of SAR (measured) = 1.219 mW/g



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/5/2012 3:01:13 PM, Date/Time: 3/5/2012 3:08:53 PM, Date/Time: 3/5/2012 3:19:51 PM

Robot# / Run#: DASY5-FL-1 / HvH-SYSP-450B-120305-01
 Phantom# / Tissue Temp.: OVAL1090 / 22.1 (C)
 Dipole Model# / Serial#: D450V3 / 1077
 TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.53 mW/g (1g)
 Adjusted SAR (1W): 4.52 mW/g (1g)
 Percent from Target (+/-): 0.20 % (1g)
 Rotation (1D): 0.017 dB

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: 1.13 mW/g (1g); 0.751 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)
 Electronics: DAE4 Sn729, Calibrated: 6/20/2011
 Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 56.2$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.3m/System Performance Check/Dipole Area Scan 2 (41x81x1):

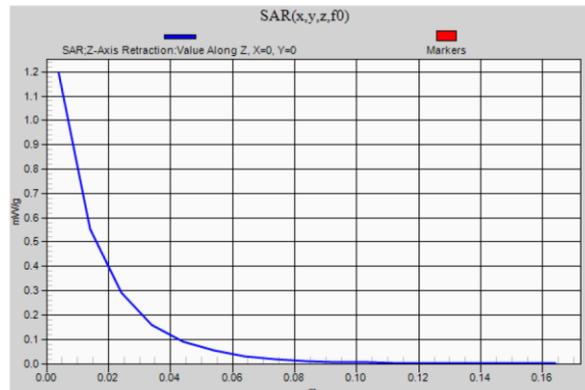
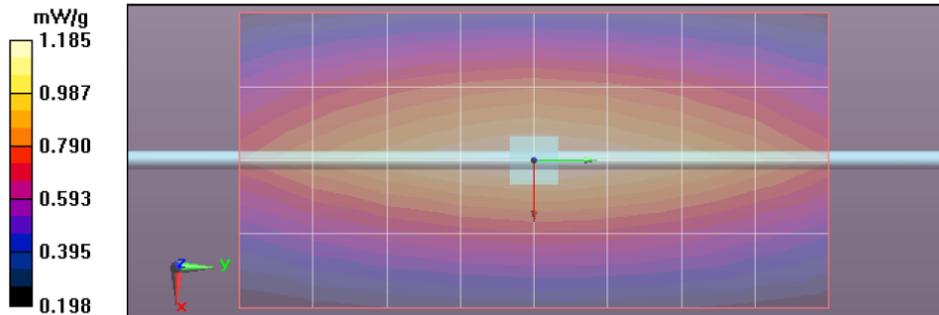
Measurement grid: dx=15mm, dy=15mm
 Reference Value = 36.211 V/m; Power Drift = -0.0015 dB
Motorola Fast SAR: SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.798 mW/g
 Maximum value of SAR (interpolated) = 1.192 mW/g

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 36.211 V/m; Power Drift = -0.0015 dB
 Peak SAR (extrapolated) = 1.683 W/kg
SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.744 mW/g
 Maximum value of SAR (measured) = 1.194 mW/g

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

Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 1.193 mW/g



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/8/2012 12:43:19 PM, Date/Time: 3/8/2012 12:48:23 PM, Date/Time: 3/8/2012 12:57:27 PM

Robot# / Run#: DASY5-FL-1 / ErC-SYSP 450B-120308-01
 Phantom# / Tissue Temp.: OVAL1090 / 21.7 (C)
 Dipole Model# / Serial#: D450V3 / 1077
 TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.53 mW/g (1g)
 Adjusted SAR (1W): 4.52 mW/g (1g)
 Percent from Target (+/-): 0.2 % (1g)
 Rotation (1D): 0.019 dB

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

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)
 Electronics: DAE4 Su729, Calibrated: 6/20/2011
 Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 56.4$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.3m/System Performance Check/Dipole Area Scan 2 (5x9x1):

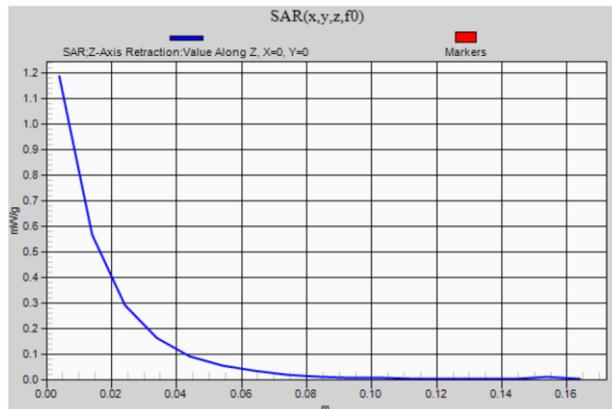
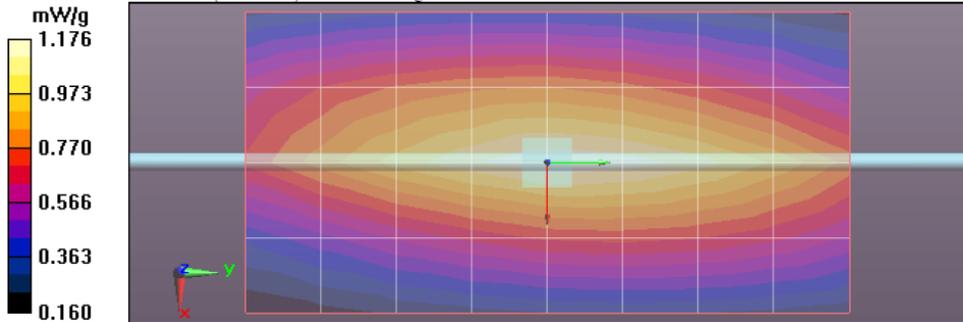
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.176 mW/g

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 36.111 V/m; Power Drift = 0.0019 dB
 Peak SAR (extrapolated) = 1.672 W/kg
SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.741 mW/g
 Maximum value of SAR (measured) = 1.188 mW/g

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

Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 1.186 mW/g



Appendix E
FCC Part 90 (450-512 MHz band)
DUT Scans (Shortened Scan and Highest SAR configurations)

Shortened Scan Result Table 39

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/24/2012 9:03:14 PM, Date/Time: 2/24/2012 9:14:55 PM, Date/Time: 2/24/2012 9:27:36 PM,
Date/Time: 2/24/2012 9:35:16 PM

Robot# / Run#: DASY5-FL-1 / CM-Ab-120224-22
Phantom# / Tissue Temp.: OVAL1090 / 21.0 (C)
DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
Antenna / TX Freq.: FAF5260A / 465.5000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN4651A / None
Start Power: 5.88 (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: 13.01 mW/g (1g); 9.43 mW/g (10g)

Comments: Shortened scan.

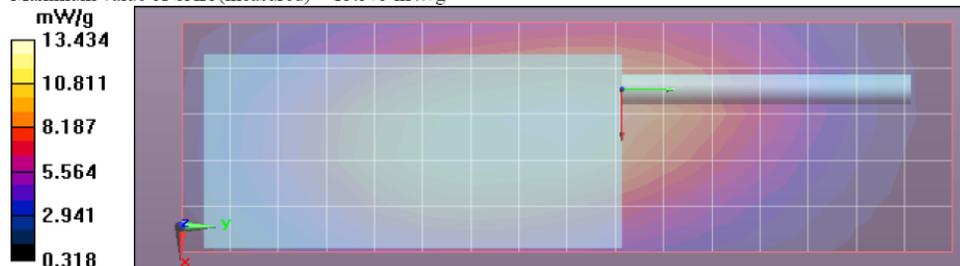
Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)
Electronics: DAE4 Sn729, Calibrated: 6/20/2011
Duty Cycle: 1:1, Medium parameters used: $f = 466$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 56.4$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x161x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 114.2 V/m; Power Drift = -0.24 dB
Motorola Fast SAR: SAR(1 g) = 12.9 mW/g; SAR(10 g) = 9.41 mW/g
Maximum value of SAR (interpolated) = 13.613 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 114.2 V/m; Power Drift = -0.28 dB
Peak SAR (extrapolated) = **Not Specified** W/kg
Motorola Fast SAR: SAR(1 g) = 12.7 mW/g; SAR(10 g) = 9.24 mW/g
Maximum value of SAR (interpolated) = 13.464 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 114.0 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 18.527 W/kg
SAR(1 g) = 13 mW/g; SAR(10 g) = 9.43 mW/g
Maximum value of SAR (measured) = 13.678 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 13.575 mW/g



Shortened scan reflect highest SAR producing configuration; approximate run time is 14 minutes.
Representative full scan run time was 28 minutes.

“Shortened” scan max calculated SAR using SAR drift: 1-g Avg. = 6.76 mW/g; 10-g Avg. = 4.90 mW/g.

Zoom scan max calculated SAR using SAR drift (see part 1 table 34): 1-g Avg. = 6.88 mW/g; 10-g Avg. = 4.99 mW/g.

Body - Highest SAR Configuration Result Table 34

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/24/2012 4:27:52 PM, Date/Time: 2/24/2012 4:39:31 PM, Date/Time: 2/24/2012 4:42:19 PM,
Date/Time: 2/24/2012 4:51:32 PM

Robot# / Run#: DASY5-FL-1 / CM-Ab-120224-16
Phantom# / Tissue Temp.: OVAL1090 / 21.2 (C)
DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
Antenna / TX Freq.: FAF5260A / 465.5000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN4651A / None
Start Power: 5.88 (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: 12.61 mW/g (1g); 9.15 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)
Electronics: DAE4 Sn729, Calibrated: 6/20/2011
Duty Cycle: 1:1, Medium parameters used: $f = 466$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 56.4$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x161x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 111.9 V/m; Power Drift = -0.23 dB
Motorola Fast SAR: SAR(1 g) = 13 mW/g; SAR(10 g) = 9.53 mW/g
Maximum value of SAR (interpolated) = 13.726 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm,

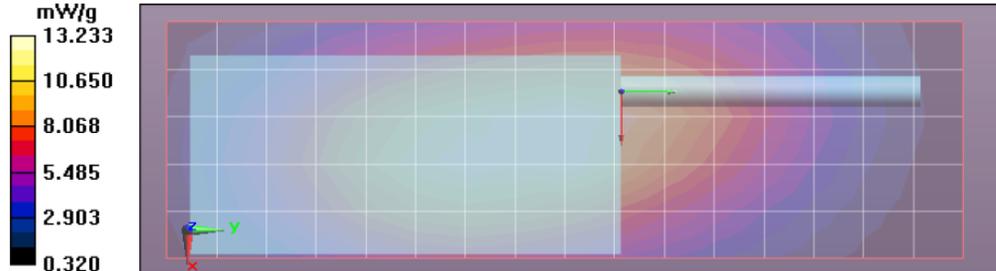
dy=7.5mm, dz=1mm
Reference Value = 111.9 V/m; Power Drift = -0.38 dB
Peak SAR (extrapolated) = Not Specified W/kg
Motorola Fast SAR: SAR(1 g) = 12.9 mW/g; SAR(10 g) = 9.33 mW/g
Maximum value of SAR (interpolated) = 13.594 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=7.5mm,

dy=7.5mm, dz=5mm
Reference Value = 111.9 V/m; Power Drift = -0.38 dB
Peak SAR (extrapolated) = 17.988 W/kg
SAR(1 g) = 12.6 mW/g; SAR(10 g) = 9.15 mW/g
Maximum value of SAR (measured) = 13.388 mW/g

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

dz=10mm
Maximum value of SAR (measured) = 13.183 mW/g



Face - Highest SAR Configuration Result Table 37

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/25/2012 8:57:51 AM, Date/Time: 2/25/2012 9:15:00 AM, Date/Time: 2/25/2012 9:22:49 AM

Robot# / Run#: DASY5-FL-1 / ErC-Face-120225-13
 Phantom# / Tissue Temp.: OVAL1108 / 21.5 (C)
 DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
 Antenna / TX Freq.: FAF5260A / 450.0000 (MHz)
 Battery: NNTN8128A
 Carry Acc. / Cable Acc.: None / None
 Start Power: 5.88 (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: 7.90 mW/g (1g); 5.93 mW/g (10g)

Comments: Front of DUT facing phantom.

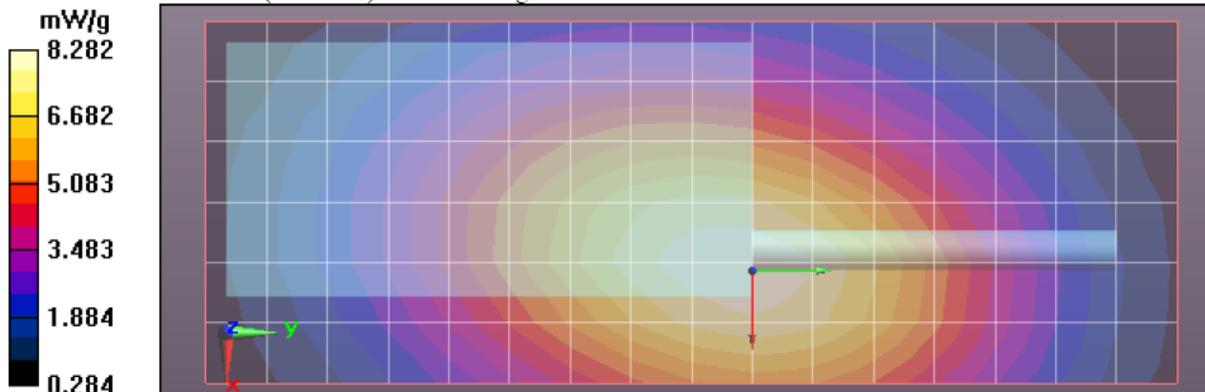
Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(6.53, 6.53, 6.53)
 Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.84$ mho/m; $\epsilon_r = 42.9$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Face Scan/1-Area Scan (7x17x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 8.282 mW/g

Below 3 GHz-Rev.4e/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 99.659 V/m; Power Drift = -0.13 dB
 Peak SAR (extrapolated) = 10.093 W/kg
SAR(1 g) = 7.78 mW/g; SAR(10 g) = 5.89 mW/g
 Maximum value of SAR (measured) = 8.150 mW/g

Below 3 GHz-Rev.4e/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 8.139 mW/g



Appendix F
DUT Scans - FCC Part 90 (450-512 MHz band)

Assessments at the Body with Body worn PMLN4651A Table 13

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/18/2012 1:08:51 AM, Date/Time: 2/18/2012 1:23:33 AM, Date/Time: 2/18/2012 1:31:16 AM

Robot# / Run#: DASY5-FL-1 / ErC-Ab-120218-02
 Phantom# / Tissue Temp.: OVAL1090 / 21.4 (C)
 DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
 Antenna / TX Freq.: FAF5260A / 465.5000 (MHz)
 Battery: NNTN8128A
 Carry Acc. / Cable Acc.: PMLN4651A / HMN4104B
 Start Power: 5.79 (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: 11.29 mW/g (1g); 7.98 mW/g (10g)

Comments:

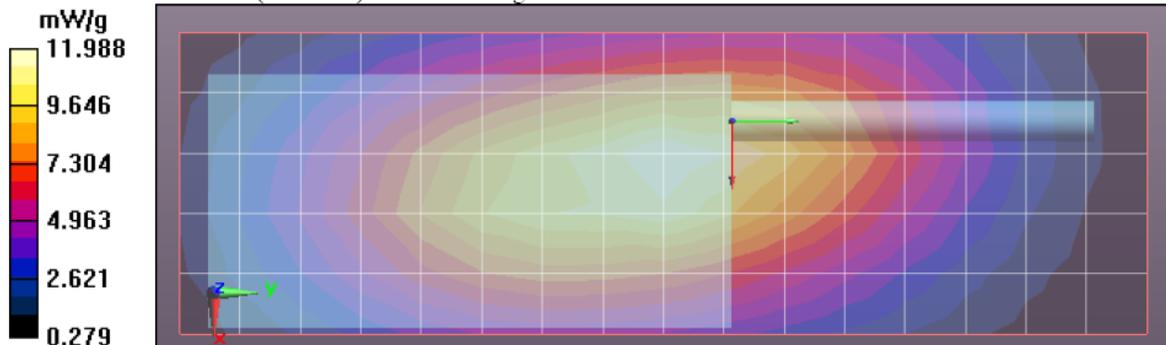
Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)
 Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 466$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 11.988 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 108.9 V/m; Power Drift = -0.47 dB
 Peak SAR (extrapolated) = 15.926 W/kg
SAR(1 g) = 11.1 mW/g; SAR(10 g) = 7.9 mW/g
 Maximum value of SAR (measured) = 11.774 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 11.620 mW/g



**Assessments at the Body with Body worn PMLN7008A
Table 14**

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/18/2012 6:38:17 PM, Date/Time: 2/18/2012 6:49:34 PM, Date/Time: 2/18/2012 6:52:26 PM,
Date/Time: 2/18/2012 7:00:10 PM

Robot# / Run#: DASY5-FL-1 / CM-Ab-120218-19
Phantom# / Tissue Temp.: OVAL1090 / 22.2 (C)
DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
Antenna / TX Freq.: FAF5260A / 465.5000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN7008A / HMN4104B
Start Power: 5.87 (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: 11.08 mW/g (1g); 7.84 mW/g (10g)

Comments:

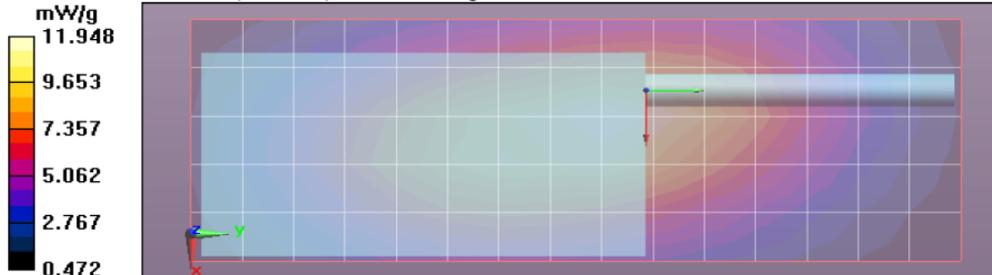
Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)
Electronics: DAE4 Sn729, Calibrated: 6/20/2011
Duty Cycle: 1:1, Medium parameters used: $f = 466$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 107.8 V/m; Power Drift = -0.29 dB
Motorola Fast SAR: SAR(1 g) = 11.4 mW/g; SAR(10 g) = 8.24 mW/g
Maximum value of SAR (interpolated) = 12.079 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 107.8 V/m; Power Drift = -0.48 dB
Peak SAR (extrapolated) = **Not Specified** W/kg
Motorola Fast SAR: SAR(1 g) = 11.3 mW/g; SAR(10 g) = 8.09 mW/g
Maximum value of SAR (interpolated) = 11.917 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 107.8 V/m; Power Drift = -0.48 dB
Peak SAR (extrapolated) = 15.790 W/kg
SAR(1 g) = 10.9 mW/g; SAR(10 g) = 7.76 mW/g
Maximum value of SAR (measured) = 11.548 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 11.472 mW/g



Assessments at the body with Body worn PMLN6085A

Table 15

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/8/2012 5:52:18 PM, Date/Time: 3/8/2012 6:04:09 PM, Date/Time: 3/8/2012 6:06:58 PM,
Date/Time: 3/8/2012 6:14:41 PM

Robot# / Run#: DASY5-FL-1 / CM-Ab-120308-06
Phantom# / Tissue Temp.: OVAL1090 / 21.2 (C)
DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
Antenna / TX Freq.: FAF5260A / 450.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN6085A / HMN4104B
Start Power: 5.88 (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: 2.90 mW/g (1g); 2.22 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)

Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 56.4$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x161x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 55.725 V/m; Power Drift = -0.07 dB

Motorola Fast SAR: SAR(1 g) = 2.89 mW/g; SAR(10 g) = 2.16 mW/g

Maximum value of SAR (interpolated) = 3.026 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm,

dy=7.5mm, dz=1mm

Reference Value = 55.725 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = **Not Specified** W/kg

Motorola Fast SAR: SAR(1 g) = 2.86 mW/g; SAR(10 g) = 2.14 mW/g

Maximum value of SAR (interpolated) = 2.996 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm,

dy=7.5mm, dz=5mm

Reference Value = 55.725 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 3.715 W/kg

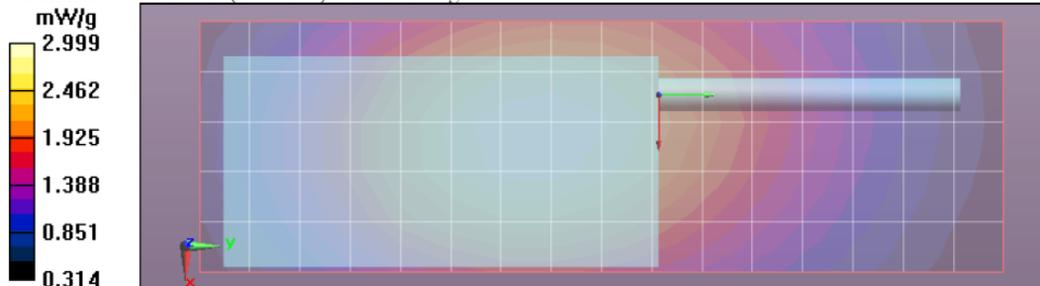
SAR(1 g) = 2.85 mW/g; SAR(10 g) = 2.2 mW/g

Maximum value of SAR (measured) = 2.978 mW/g

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

dz=10mm

Maximum value of SAR (measured) = 2.957 mW/g



Assessment at the Body with Body worn PMLN6085A/NTN5243A
Table 16

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/8/2012 8:45:55 PM, Date/Time: 3/8/2012 8:57:37 PM, Date/Time: 3/8/2012 9:00:26 PM,
 Date/Time: 3/8/2012 9:08:09 PM

Robot# / Run#: DASY5-FL-1 / CM-Ab-120308-10
 Phantom# / Tissue Temp.: OVAL1090 / 21.1 (C)
 DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
 Antenna / TX Freq.: FAF5260A / 450.0000 (MHz)
 Battery: NNTN8128A
 Carry Acc. / Cable Acc.: PMLN6085A with NTN5243A / HMN4104B
 Start Power: 5.88 (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: 5.68 mW/g (1g); 4.26 mW/g (10g)

Comments: Tested without loop, back toward phantom.

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)
 Electronics: DAE4 Sn729, Calibrated: 6/20/2011

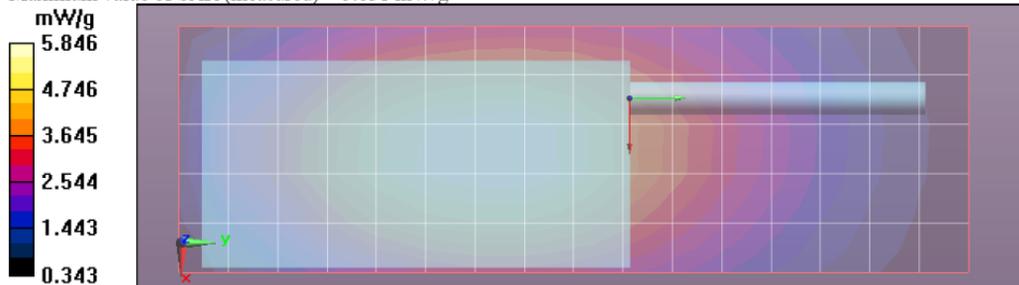
Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 56.4$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x161x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 74.585 V/m; Power Drift = -0.17 dB
Motorola Fast SAR: SAR(1 g) = 5.71 mW/g; SAR(10 g) = 4.24 mW/g
 Maximum value of SAR (interpolated) = 5.997 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 74.585 V/m; Power Drift = -0.26 dB
 Peak SAR (extrapolated) = **Not Specified** W/kg
Motorola Fast SAR: SAR(1 g) = 5.63 mW/g; SAR(10 g) = 4.16 mW/g
 Maximum value of SAR (interpolated) = 5.921 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 74.585 V/m; Power Drift = -0.26 dB
 Peak SAR (extrapolated) = 7.462 W/kg
SAR(1 g) = 5.59 mW/g; SAR(10 g) = 4.22 mW/g
 Maximum value of SAR (measured) = 5.840 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 5.831 mW/g



Assessment at the Body with other audio accessories

Table 17

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/20/2012 6:54:56 AM, Date/Time: 2/20/2012 7:09:44 AM, Date/Time: 2/20/2012 7:20:46 AM

Robot# / Run#: DASY5-FL-1 / ErC-Ab-120220-02
 Phantom# / Tissue Temp.: OVAL1090 / 21.6 (C)
 DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
 Antenna / TX Freq.: FAF5260A / 481.0000 (MHz)
 Battery: NNTN8128A
 Carry Acc. / Cable Acc.: PMLN4651A / HMN4104B with RMN5116A
 Start Power: 5.84 (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: 9.80 mW/g (1g); 6.96 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)

Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 481$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 57.6$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 10.621 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 104.1 V/m; Power Drift = -0.73 dB
 Peak SAR (extrapolated) = 14.127 W/kg
SAR(1 g) = 9.71 mW/g; SAR(10 g) = 6.9 mW/g
 Maximum value of SAR (measured) = 10.310 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 9.957 mW/g

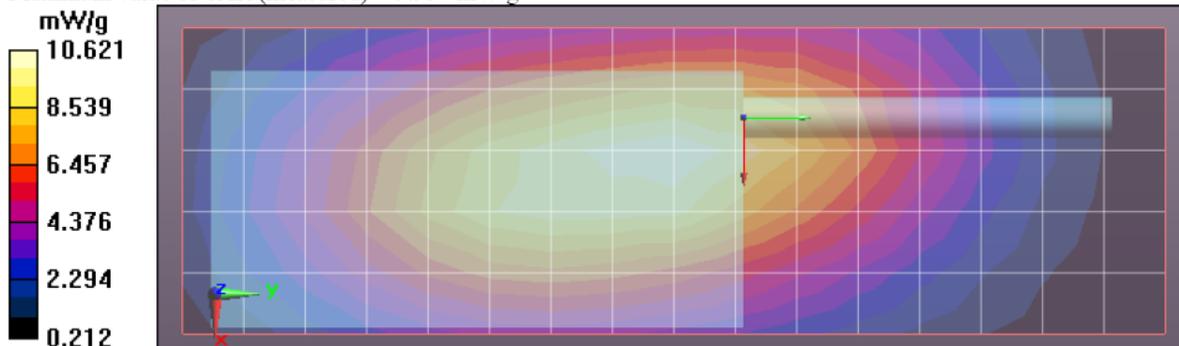


Table 18

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/20/2012 10:14:10 AM, Date/Time: 2/20/2012 10:28:55 AM, Date/Time: 2/20/2012 10:38:11 AM

Robot# / Run#: DASY5-FL-1 / ErC-Ab-120220-07
 Phantom# / Tissue Temp.: OVAL1090 / 21.5 (C)
 DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
 Antenna / TX Freq.: FAF5260A / 465.5000 (MHz)
 Battery: NNTN8128A
 Carry Acc. / Cable Acc.: PMLN4651A / RLN5882A
 Start Power: 5.86 (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: 9.89 mW/g (1g); 7.06 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)

Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 466$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 57.9$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 10.486 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 106.8 V/m; Power Drift = -0.45 dB

Peak SAR (extrapolated) = 14.030 W/kg

SAR(1 g) = 9.77 mW/g; SAR(10 g) = 6.99 mW/g

Maximum value of SAR (measured) = 10.326 mW/g

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

Maximum value of SAR (measured) = 10.139 mW/g

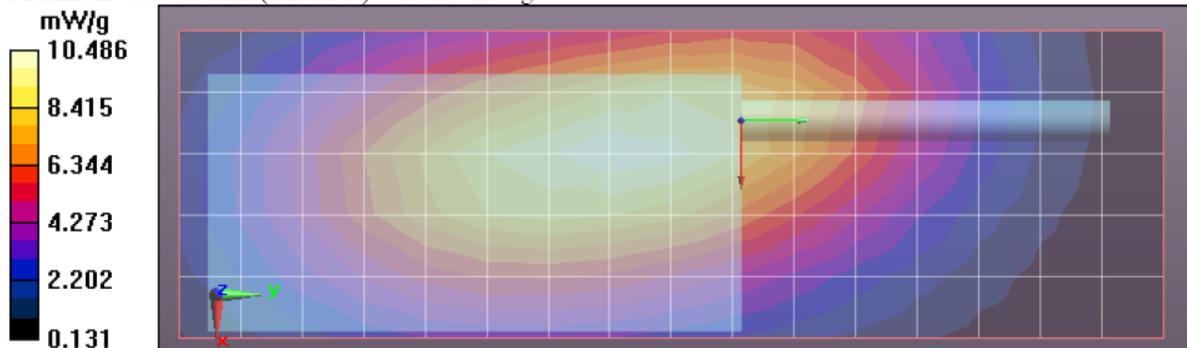


Table 19

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/20/2012 2:44:48 PM, Date/Time: 2/20/2012 2:59:33 PM, Date/Time: 2/20/2012 3:08:49 PM

Robot# / Run#: DASY5-FL-1 / ErC-Ab-120220-13
 Phantom# / Tissue Temp.: OVAL1090 / 21.3 (C)
 DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
 Antenna / TX Freq.: FAF5260A / 465.5000 (MHz)
 Battery: NNTN8128A
 Carry Acc. / Cable Acc.: PMLN4651A / PMLN5111A
 Start Power: 5.88 (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: 11.54 mW/g (1g); 8.21 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)

Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 466$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 57.9$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 12.054 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 104.3 V/m; Power Drift = -0.49 dB

Peak SAR (extrapolated) = 16.388 W/kg

SAR(1 g) = 11.4 mW/g; SAR(10 g) = 8.13 mW/g

Maximum value of SAR (measured) = 12.046 mW/g

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

Maximum value of SAR (measured) = 11.897 mW/g

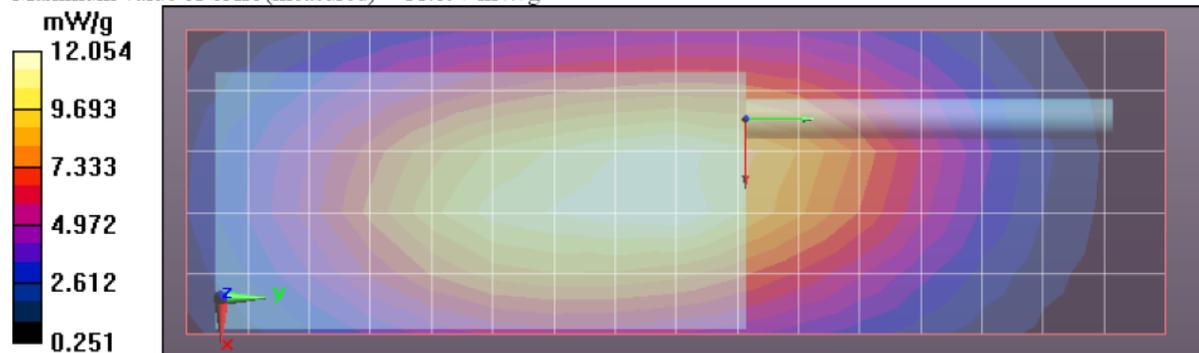


Table 20

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/20/2012 7:09:21 PM, Date/Time: 2/20/2012 7:21:12 PM, Date/Time: 2/20/2012 7:24:04 PM,
Date/Time: 2/20/2012 7:33:21 PM

Robot# / Run#: DASY5-FL-1 / CM-Ab-120220-19
Phantom# / Tissue Temp.: OVAL1090 / 21.2 (C)
DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
Antenna / TX Freq.: FAF5260A / 465.5000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN4651A / PMMN4062A
Start Power: 5.84 (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: 11.04 mW/g (1g); 7.88 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)

Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 466$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 57.9$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x161x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 108.7 V/m; Power Drift = -0.32 dB

Motorola Fast SAR: SAR(1 g) = 11.4 mW/g; SAR(10 g) = 8.32 mW/g

Maximum value of SAR (interpolated) = 12.076 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 108.7 V/m; Power Drift = -0.54 dB

Peak SAR (extrapolated) = **Not Specified** W/kg

Motorola Fast SAR: SAR(1 g) = 11.2 mW/g; SAR(10 g) = 8.11 mW/g

Maximum value of SAR (interpolated) = 11.862 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 108.7 V/m; Power Drift = -0.54 dB

Peak SAR (extrapolated) = 15.787 W/kg

SAR(1 g) = 10.9 mW/g; SAR(10 g) = 7.8 mW/g

Maximum value of SAR (measured) = 11.582 mW/g

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

Maximum value of SAR (measured) = 11.394 mW/g

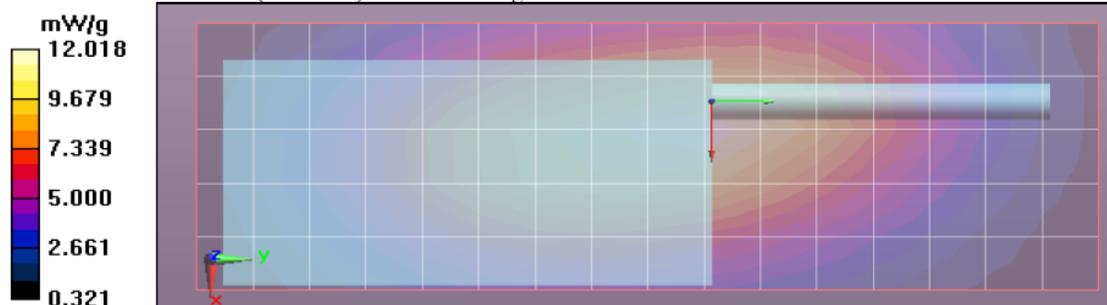


Table 21

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/20/2012 11:36:38 PM, Date/Time: 2/20/2012 11:48:29 PM, Date/Time: 2/20/2012 11:51:22 PM,
Date/Time: 2/20/2012 11:59:05 PM

Robot# / Run#: DASY5-FL-1 / CM-Ab-120220-25
Phantom# / Tissue Temp.: OVAL1090 / 20.9 (C)
DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
Antenna / TX Freq.: FAF5260A / 465.5000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN4651A / PMMN4065A
Start Power: 5.85 (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: 11.04 mW/g (1g); 7.82 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)
Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 466$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 57.9$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x161x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 110.8 V/m; Power Drift = -0.41 dB

Motorola Fast SAR: SAR(1 g) = 11.5 mW/g; SAR(10 g) = 8.37 mW/g

Maximum value of SAR (interpolated) = 12.179 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm,

dy=7.5mm, dz=1mm

Reference Value = 110.8 V/m; Power Drift = -0.61 dB

Peak SAR (extrapolated) = **Not Specified** W/kg

Motorola Fast SAR: SAR(1 g) = 11.2 mW/g; SAR(10 g) = 8.08 mW/g

Maximum value of SAR (interpolated) = 11.829 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm,

dy=7.5mm, dz=5mm

Reference Value = 110.8 V/m; Power Drift = -0.61 dB

Peak SAR (extrapolated) = 15.606 W/kg

SAR(1 g) = 10.9 mW/g; SAR(10 g) = 7.74 mW/g

Maximum value of SAR (measured) = 11.471 mW/g

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

dz=10mm

Maximum value of SAR (measured) = 11.345 mW/g

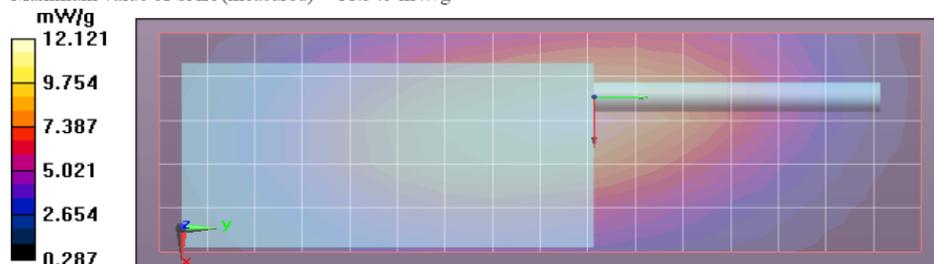


Table 22

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/21/2012 9:39:44 AM, Date/Time: 2/21/2012 9:54:30 AM, Date/Time: 2/21/2012 10:02:13 AM

Robot# / Run#: DASY5-FL-1 / ErC-Ab-120221-07
 Phantom# / Tissue Temp.: OVAL1090 / 21.4 (C)
 DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
 Antenna / TX Freq.: FAF5260A / 465.5000 (MHz)
 Battery: NNTN8128A
 Carry Acc. / Cable Acc.: PMLN4651A / PMMN4024A
 Start Power: 5.88 (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: 11.10 mW/g (1g); 7.91 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)

Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 466$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 57.4$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 12.256 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 98.666 V/m; Power Drift = -0.50 dB
 Peak SAR (extrapolated) = 15.794 W/kg
SAR(1 g) = 10.9 mW/g; SAR(10 g) = 7.81 mW/g
 Maximum value of SAR (measured) = 11.655 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 11.488 mW/g

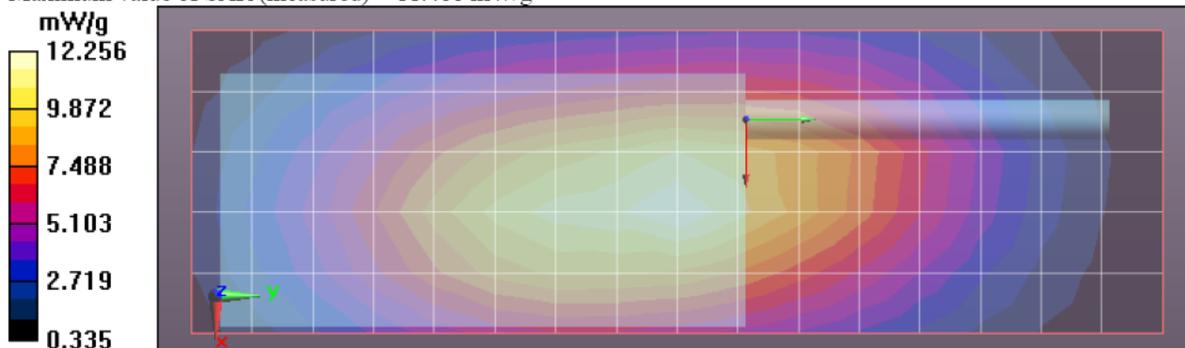


Table 23

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/21/2012 1:19:22 PM, Date/Time: 2/21/2012 1:34:08 PM, Date/Time: 2/21/2012 1:41:54 PM

Robot# / Run#: DASY5-FL-1 / ErC-Ab-120221-13
 Phantom# / Tissue Temp.: OVAL1090 / 21.3 (C)
 DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
 Antenna / TX Freq.: FAF5260A / 465.5000 (MHz)
 Battery: NNTN8128A
 Carry Acc. / Cable Acc.: PMLN4651A / PMLN5101A
 Start Power: 5.88 (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: 10.90 mW/g (1g); 7.71 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)

Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 466$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 57.4$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 12.061 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 95.251 V/m; Power Drift = -0.48 dB

Peak SAR (extrapolated) = 15.398 W/kg

SAR(1 g) = 10.7 mW/g; SAR(10 g) = 7.61 mW/g

Maximum value of SAR (measured) = 11.385 mW/g

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

Maximum value of SAR (measured) = 11.241 mW/g

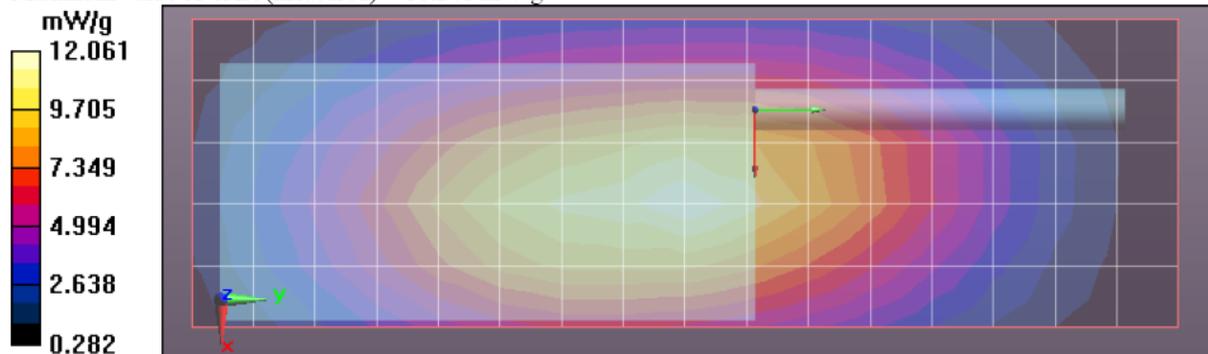


Table 24

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/21/2012 10:23:02 PM, Date/Time: 2/21/2012 10:34:55 PM, Date/Time: 2/21/2012 10:37:47 PM,
Date/Time: 2/21/2012 10:45:30 PM

Robot# / Run#: DASY5-FL-1 / CM-Ab-120221-19
Phantom# / Tissue Temp.: OVAL1090 / 21.0 (C)
DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
Antenna / TX Freq.: FAF5260A / 465.5000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN4651A / PMLN5275C
Start Power: 5.87 (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: 10.59 mW/g (1g); 7.55 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)

Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 466$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 57.4$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x161x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 104.2 V/m; Power Drift = -0.27 dB

Motorola Fast SAR: SAR(1 g) = 10.7 mW/g; SAR(10 g) = 7.82 mW/g

Maximum value of SAR (interpolated) = 11.299 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 104.2 V/m; Power Drift = -0.43 dB

Peak SAR (extrapolated) = **Not Specified** W/kg

Motorola Fast SAR: SAR(1 g) = 10.6 mW/g; SAR(10 g) = 7.67 mW/g

Maximum value of SAR (interpolated) = 11.203 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 104.2 V/m; Power Drift = -0.43 dB

Peak SAR (extrapolated) = 14.859 W/kg

SAR(1 g) = 10.4 mW/g; SAR(10 g) = 7.46 mW/g

Maximum value of SAR (measured) = 11.014 mW/g

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

Maximum value of SAR (measured) = 10.892 mW/g

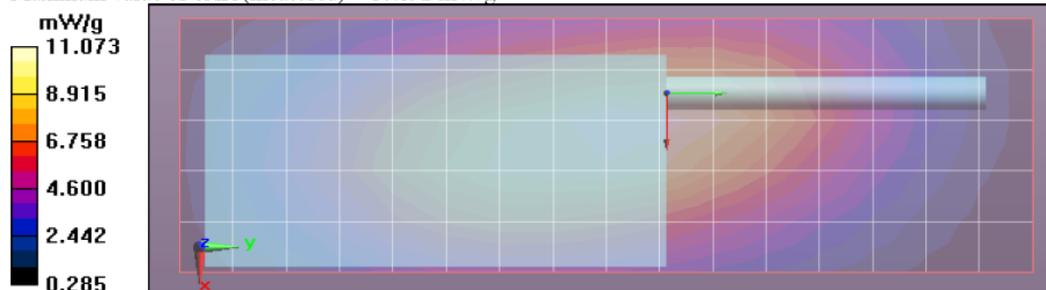


Table 25

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/22/2012 8:48:19 AM, Date/Time: 2/22/2012 9:03:05 AM, Date/Time: 2/22/2012 9:10:49 AM

Robot# / Run#: DASY5-FL-1 / ErC-Ab-120222-05
 Phantom# / Tissue Temp.: OVAL1090 / 21.5 (C)
 DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
 Antenna / TX Freq.: FAF5260A / 465.5000 (MHz)
 Battery: NNTN8128A
 Carry Acc. / Cable Acc.: PMLN4651A / RMN5058A
 Start Power: 5.87 (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: 10.67 mW/g (1g); 7.61 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)

Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 466$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 56.7$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 11.136 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 102.6 V/m; Power Drift = -0.53 dB

Peak SAR (extrapolated) = 15.298 W/kg

SAR(1 g) = 10.6 mW/g; SAR(10 g) = 7.58 mW/g

Maximum value of SAR (measured) = 11.275 mW/g

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

Maximum value of SAR (measured) = 11.039 mW/g

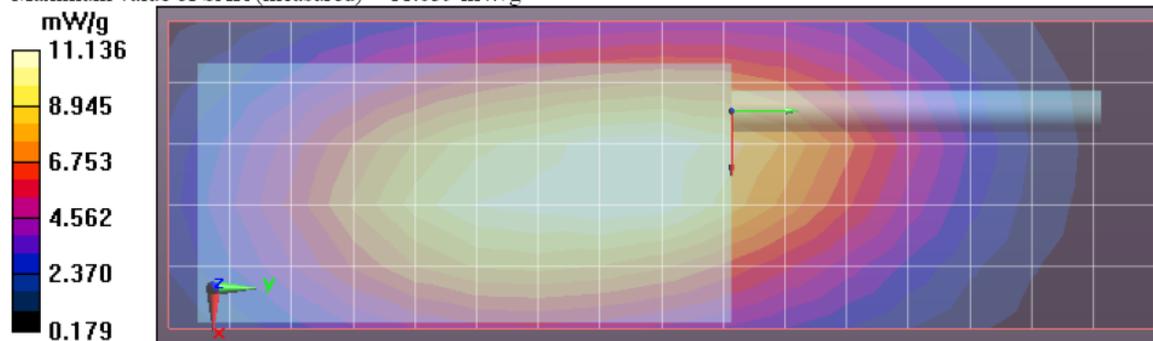


Table 26

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/22/2012 1:23:13 PM, Date/Time: 2/22/2012 1:37:58 PM, Date/Time: 2/22/2012 1:45:41 PM

Robot# / Run#: DASY5-FL-1 / ErC-Ab-120222-11
 Phantom# / Tissue Temp.: OVAL1090 / 21.4 (C)
 DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
 Antenna / TX Freq.: FAF5260A / 465.5000 (MHz)
 Battery: NNTN8128A
 Carry Acc. / Cable Acc.: PMLN4651A / PMMN4040A
 Start Power: 5.88 (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: 10.87 mW/g (1g); 7.73 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)

Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 466$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 56.7$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 11.434 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 102.7 V/m; Power Drift = -0.50 dB
 Peak SAR (extrapolated) = 15.580 W/kg
SAR(1 g) = 10.8 mW/g; SAR(10 g) = 7.7 mW/g
 Maximum value of SAR (measured) = 11.496 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 11.302 mW/g

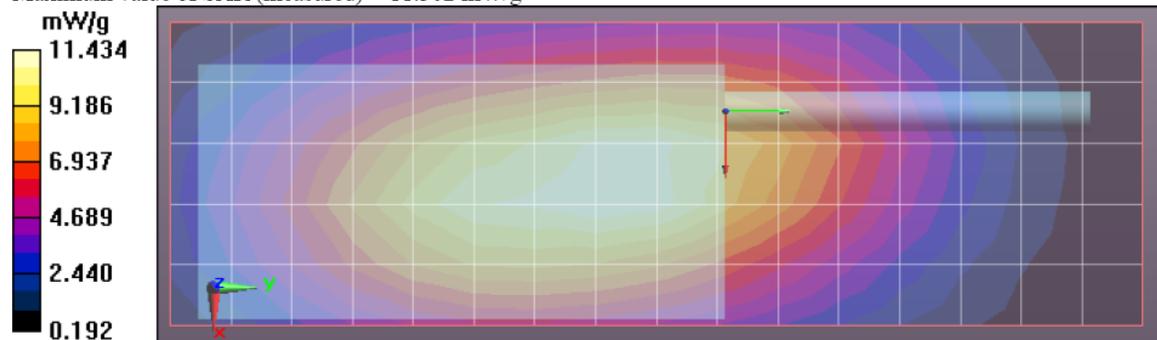


Table 27

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/22/2012 6:22:01 PM, Date/Time: 2/22/2012 6:33:56 PM, Date/Time: 2/22/2012 6:36:48 PM,
Date/Time: 2/22/2012 6:44:33 PM

Robot# / Run#: DASY5-FL-1 / CM-Ab-120222-19
Phantom# / Tissue Temp.: OVAL1090 / 21.4 (C)
DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
Antenna / TX Freq.: FAF5260A / 496.5000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN4651A / PMMN4046A
Start Power: 5.82 (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: 10.14 mW/g (1g); 7.17 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)

Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 497$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 56.9$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x161x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 100.7 V/m; Power Drift = -0.43 dB

Motorola Fast SAR: SAR(1 g) = 10.7 mW/g; SAR(10 g) = 7.77 mW/g

Maximum value of SAR (interpolated) = 11.314 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 100.7 V/m; Power Drift = -0.64 dB

Peak SAR (extrapolated) = **Not Specified** W/kg

Motorola Fast SAR: SAR(1 g) = 10.4 mW/g; SAR(10 g) = 7.45 mW/g

Maximum value of SAR (interpolated) = 11.010 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 100.7 V/m; Power Drift = -0.64 dB

Peak SAR (extrapolated) = 14.570 W/kg

SAR(1 g) = 10.1 mW/g; SAR(10 g) = 7.15 mW/g

Maximum value of SAR (measured) = 10.707 mW/g

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

Maximum value of SAR (measured) = 10.601 mW/g

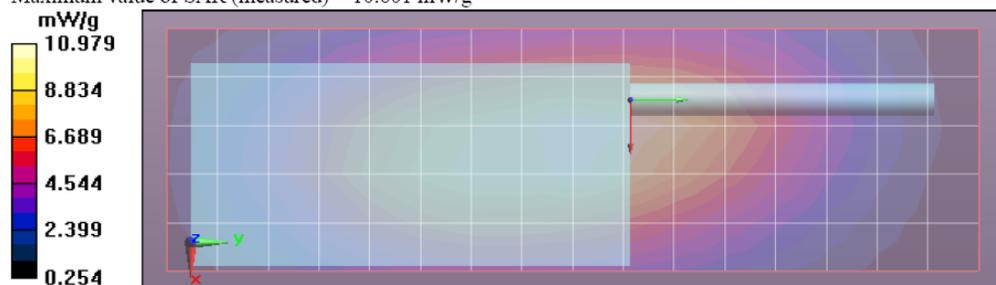


Table 28

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/22/2012 8:56:43 PM, Date/Time: 2/22/2012 9:08:37 PM, Date/Time: 2/22/2012 9:11:29 PM,
Date/Time: 2/22/2012 9:19:15 PM

Robot# / Run#: DASY5-FL-1 / CM-Ab-120222-23
Phantom# / Tissue Temp.: OVAL1090 / 21.3 (C)
DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
Antenna / TX Freq.: FAF5260A / 465.5000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN4651A / PMMN4050A
Start Power: 5.88 (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: 10.87 mW/g (1g); 7.77 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)

Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 466$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 56.7$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x161x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 102.6 V/m; Power Drift = -0.32 dB

Motorola Fast SAR: SAR(1 g) = 11.3 mW/g; SAR(10 g) = 8.26 mW/g

Maximum value of SAR (interpolated) = 11.903 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 102.6 V/m; Power Drift = -0.50 dB

Peak SAR (extrapolated) = **Not Specified** W/kg

Motorola Fast SAR: SAR(1 g) = 11.1 mW/g; SAR(10 g) = 8 mW/g

Maximum value of SAR (interpolated) = 11.769 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 102.6 V/m; Power Drift = -0.50 dB

Peak SAR (extrapolated) = 15.587 W/kg

SAR(1 g) = 10.8 mW/g; SAR(10 g) = 7.74 mW/g

Maximum value of SAR (measured) = 11.534 mW/g

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

Maximum value of SAR (measured) = 11.359 mW/g

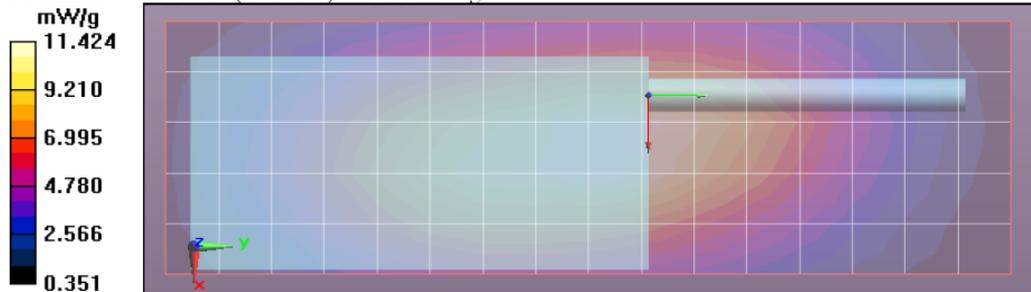


Table 29

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/23/2012 8:35:07 AM, Date/Time: 2/23/2012 8:49:52 AM, Date/Time: 2/23/2012 8:57:37 AM

Robot# / Run#: DASY5-FL-1 / ErC-Ab-120223-05
 Phantom# / Tissue Temp.: OVAL1090 / 21.5 (C)
 DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
 Antenna / TX Freq.: FAF5260A / 465.5000 (MHz)
 Battery: NNTN8128A
 Carry Acc. / Cable Acc.: PMLN4651A / PMLN5102A
 Start Power: 5.87 (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: 9.96 mW/g (1g); 7.09 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)

Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 466$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 56.5$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 10.778 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 105.2 V/m; Power Drift = -0.49 dB
 Peak SAR (extrapolated) = 14.330 W/kg
 SAR(1 g) = 9.95 mW/g; SAR(10 g) = 7.09 mW/g
 Maximum value of SAR (measured) = 10.540 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 10.374 mW/g

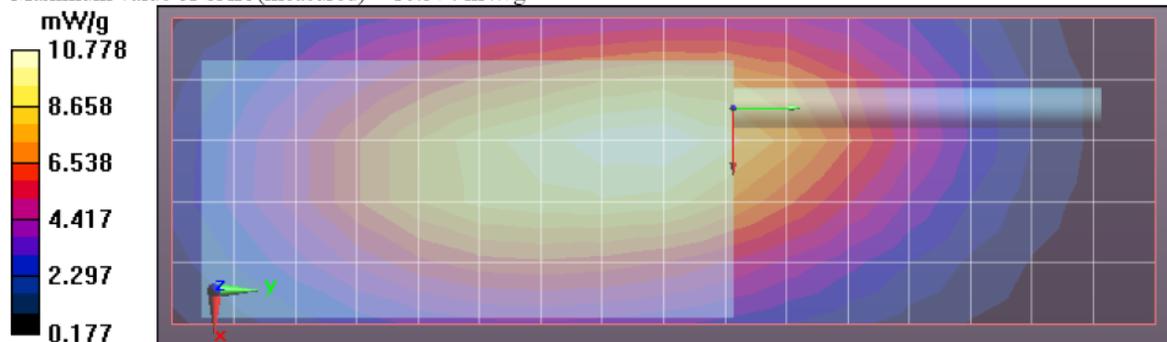


Table 30

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/23/2012 1:22:01 PM, Date/Time: 2/23/2012 1:36:44 PM, Date/Time: 2/23/2012 1:47:47 PM

Robot# / Run#: DASY5-FL-1 / ErC-Ab-120223-12
 Phantom# / Tissue Temp.: OVAL1090 / 21.3 (C)
 DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
 Antenna / TX Freq.: FAF5260A / 481.0000 (MHz)
 Battery: NNTN8128A
 Carry Acc. / Cable Acc.: PMLN4651A / PMLN5096B
 Start Power: 5.88 (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: 9.25 mW/g (1g); 6.58 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)

Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 481$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 56.3$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 9.911 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 92.874 V/m; Power Drift = -0.67 dB

Peak SAR (extrapolated) = 13.425 W/kg

SAR(1 g) = 9.25 mW/g; SAR(10 g) = 6.58 mW/g

Maximum value of SAR (measured) = 9.861 mW/g

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

Maximum value of SAR (measured) = 9.519 mW/g

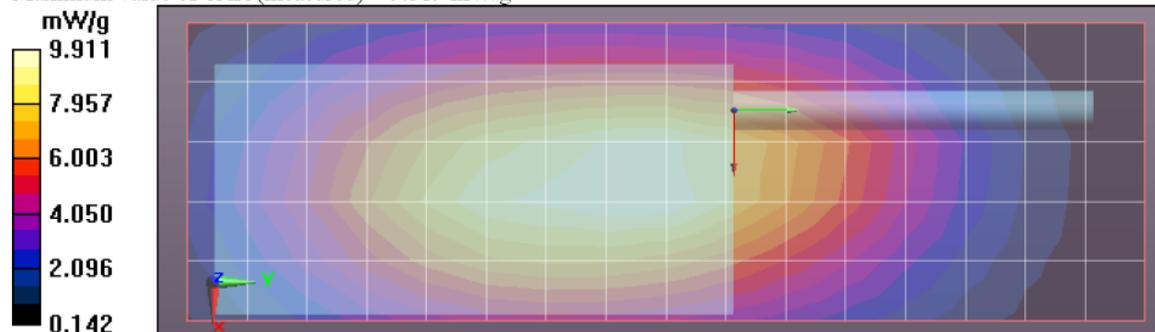


Table 31

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/23/2012 9:24:28 PM, Date/Time: 2/23/2012 9:36:21 PM, Date/Time: 2/23/2012 9:39:13 PM,
Date/Time: 2/23/2012 9:50:16 PM

Robot# / Run#: DASY5-FL-1 / CM-Ab-120223-17
Phantom# / Tissue Temp.: OVAL1090 / 21.2 (C)
DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
Antenna / TX Freq.: FAF5260A / 465.5000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN4651A / PMLN5097A
Start Power: 5.88 (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: 9.87 mW/g (1g); 7.08 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)
Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 466$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 56.5$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x161x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 101.7 V/m; Power Drift = -0.32 dB

Motorola Fast SAR: SAR(1 g) = 10.2 mW/g; SAR(10 g) = 7.49 mW/g

Maximum value of SAR (interpolated) = 10.836 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 101.7 V/m; Power Drift = -0.57 dB

Peak SAR (extrapolated) = **Not Specified** W/kg

Motorola Fast SAR: SAR(1 g) = 10.1 mW/g; SAR(10 g) = 7.32 mW/g

Maximum value of SAR (interpolated) = 10.723 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 101.7 V/m; Power Drift = -0.57 dB

Peak SAR (extrapolated) = 14.068 W/kg

SAR(1 g) = 9.86 mW/g; SAR(10 g) = 7.08 mW/g

Maximum value of SAR (measured) = 10.400 mW/g

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

Maximum value of SAR (measured) = 10.109 mW/g

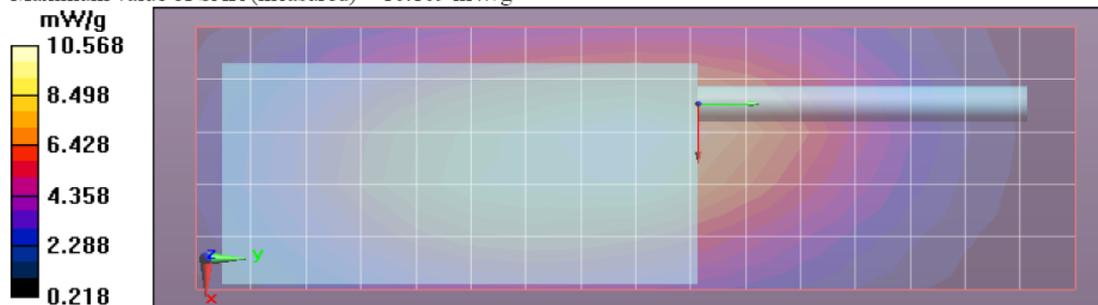


Table 32

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/24/2012 7:57:54 AM, Date/Time: 2/24/2012 8:12:29 AM, Date/Time: 2/24/2012 8:20:11 AM

Robot# / Run#: DASY5-FL-1 / ErC-Ab-120224-04
 Phantom# / Tissue Temp.: OVAL1090 / 21.4 (C)
 DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
 Antenna / TX Freq.: FAF5260A / 465.5000 (MHz)
 Battery: NNTN8128A
 Carry Acc. / Cable Acc.: PMLN4651A / PMLN5106A
 Start Power: 5.88 (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: 10.91 mW/g (1g); 7.84 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)

Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 466$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 56.4$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 11.792 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 100.7 V/m; Power Drift = -0.51 dB

Peak SAR (extrapolated) = 15.666 W/kg

SAR(1 g) = 10.9 mW/g; SAR(10 g) = 7.84 mW/g

Maximum value of SAR (measured) = 11.637 mW/g

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

Maximum value of SAR (measured) = 11.473 mW/g

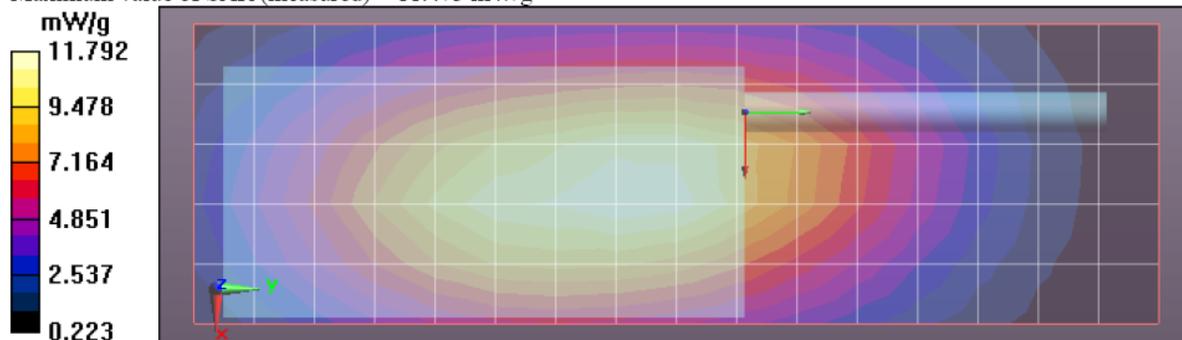


Table 33

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/24/2012 11:28:27 AM, Date/Time: 2/24/2012 11:42:58 AM, Date/Time: 2/24/2012 11:50:41 AM

Robot# / Run#: DASY5-FL-1 / ErC-Ab-120224-10
 Phantom# / Tissue Temp.: OVAL1090 / 21.4 (C)
 DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
 Antenna / TX Freq.: FAF5260A / 465.5000 (MHz)
 Battery: NNTN8128A
 Carry Acc. / Cable Acc.: PMLN4651A / PMLN5653A
 Start Power: 5.87 (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: 10.41 mW/g (1g); 7.42 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)

Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 466$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 56.4$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 11.088 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 99.811 V/m; Power Drift = -0.51 dB

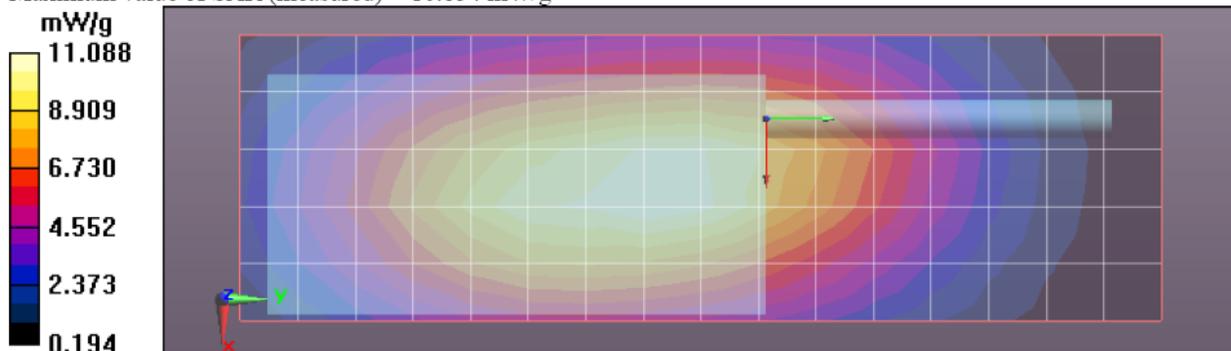
Peak SAR (extrapolated) = 14.885 W/kg

SAR(1 g) = 10.4 mW/g; SAR(10 g) = 7.42 mW/g

Maximum value of SAR (measured) = 10.989 mW/g

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

Maximum value of SAR (measured) = 10.854 mW/g



Assessment of wireless BT configuration Table 34

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/24/2012 4:27:52 PM, Date/Time: 2/24/2012 4:39:31 PM, Date/Time: 2/24/2012 4:42:19 PM,
Date/Time: 2/24/2012 4:51:32 PM

Robot# / Run#: DASY5-FL-1 / CM-Ab-120224-16
Phantom# / Tissue Temp.: OVAL1090 / 21.2 (C)
DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
Antenna / TX Freq.: FAF5260A / 465.5000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN4651A / None
Start Power: 5.88 (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: 12.61 mW/g (1g); 9.15 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)

Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 466$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 56.4$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x161x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 111.9 V/m; Power Drift = -0.23 dB

Motorola Fast SAR: SAR(1 g) = 13 mW/g; SAR(10 g) = 9.53 mW/g

Maximum value of SAR (interpolated) = 13.726 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm,

dy=7.5mm, dz=1mm

Reference Value = 111.9 V/m; Power Drift = -0.38 dB

Peak SAR (extrapolated) = **Not Specified** W/kg

Motorola Fast SAR: SAR(1 g) = 12.9 mW/g; SAR(10 g) = 9.33 mW/g

Maximum value of SAR (interpolated) = 13.594 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=7.5mm,

dy=7.5mm, dz=5mm

Reference Value = 111.9 V/m; Power Drift = -0.38 dB

Peak SAR (extrapolated) = 17.988 W/kg

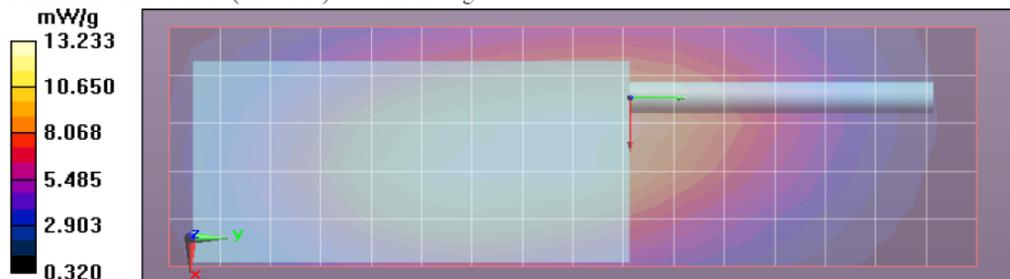
SAR(1 g) = 12.6 mW/g; SAR(10 g) = 9.15 mW/g

Maximum value of SAR (measured) = 13.388 mW/g

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

dz=10mm

Maximum value of SAR (measured) = 13.183 mW/g



Assessment at the Face

Table 37

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/25/2012 8:57:51 AM, Date/Time: 2/25/2012 9:15:00 AM, Date/Time: 2/25/2012 9:22:49 AM

Robot# / Run#: DASY5-FL-1 / ErC-Face-120225-13
 Phantom# / Tissue Temp.: OVAL1108 / 21.5 (C)
 DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
 Antenna / TX Freq.: FAF5260A / 450.0000 (MHz)
 Battery: NNTN8128A
 Carry Acc. / Cable Acc.: None / None
 Start Power: 5.88 (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: 7.90 mW/g (1g); 5.93 mW/g (10g)

Comments: Front of DUT facing phantom.

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(6.53, 6.53, 6.53)

Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.84$ mho/m; $\epsilon_r = 42.9$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Face Scan/1-Area Scan (7x17x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 8.282 mW/g

Below 3 GHz-Rev.4e/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 99.659 V/m; Power Drift = -0.13 dB

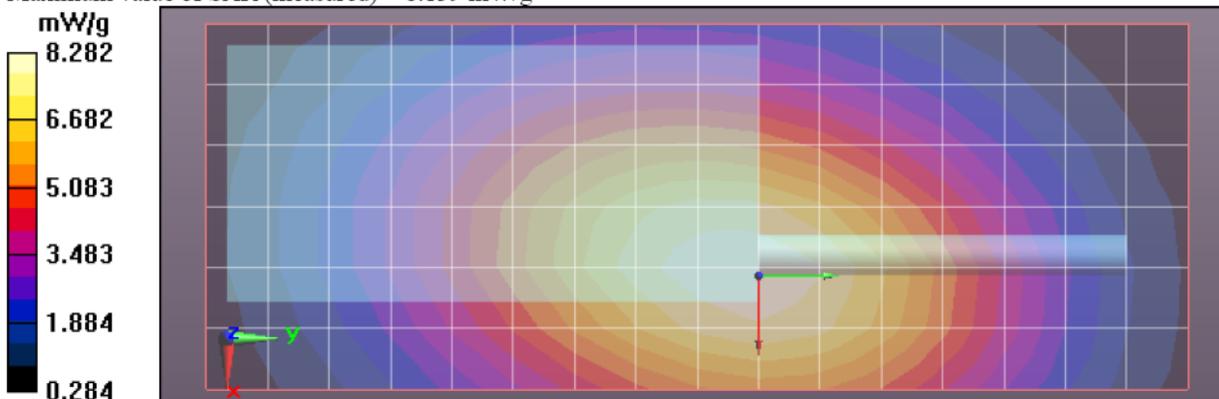
Peak SAR (extrapolated) = 10.093 W/kg

SAR(1 g) = 7.78 mW/g; SAR(10 g) = 5.89 mW/g

Maximum value of SAR (measured) = 8.150 mW/g

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

Maximum value of SAR (measured) = 8.139 mW/g



Appendix G
DUT Scans – Outside FCC Part 90 (512-520 MHz band)

Table 35
Assessment outside FCC Part 90 at the body (512-520 MHz)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/25/2012 1:12:37 AM, Date/Time: 2/25/2012 1:27:10 AM, Date/Time: 2/25/2012 1:34:54 AM

Robot# / Run#: DASY5-FL-1 / ErC-Ab-120225-02
 Phantom# / Tissue Temp.: OVAL1090 / 21.7 (C)
 DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
 Antenna / TX Freq.: FAF5260A / 512.5000 (MHz)
 Battery: NNTN8128A
 Carry Acc. / Cable Acc.: PMLN4651A / None
 Start Power: 5.87 (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: 7.42 mW/g (1g); 5.47 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(7.01, 7.01, 7.01)

Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 513$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 55.5$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 7.981 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 74.096 V/m; Power Drift = -0.34 dB
 Peak SAR (extrapolated) = 10.034 W/kg
SAR(1 g) = 7.42 mW/g; SAR(10 g) = 5.47 mW/g
 Maximum value of SAR (measured) = 7.799 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 7.729 mW/g

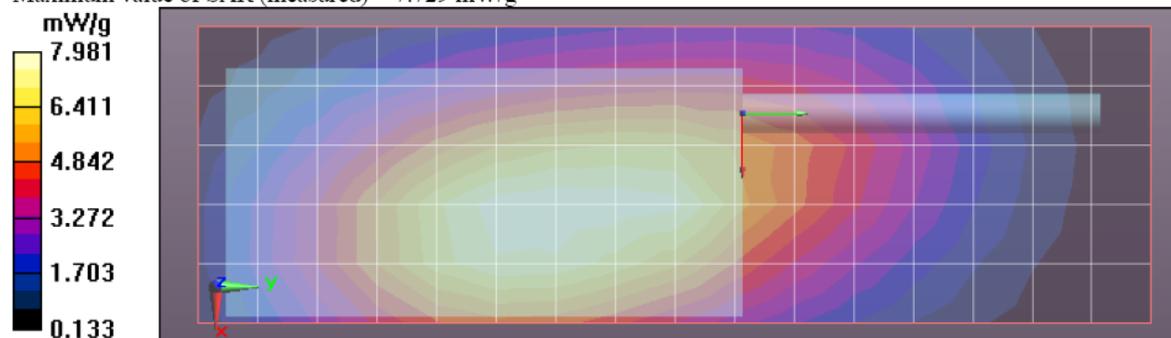


Table 38
Assessment outside FCC Part 90 at the face (512-520 MHz)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/25/2012 3:06:18 PM, Date/Time: 2/25/2012 3:20:31 PM, Date/Time: 2/25/2012 3:23:29 PM,
Date/Time: 2/25/2012 3:31:18 PM

Robot# / Run#: DASY5-FL-1 / CM-Face-120225-15
Phantom# / Tissue Temp.: OVAL1108 / 21.6 (C)
DUT Model# / Serial#: H51SDH9PW7AN (MUE4080) / 426TNB0563
Antenna / TX Freq.: FAF5260A / 512.5000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: None / None
Start Power: 5.88 (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: 4.65 mW/g (1g); 3.49 mW/g (10g)

Comments: Front of DUT facing phantom.

Probe: ES3DV3 - SN3163, Calibrated: 4/13/2011, ConvF(6.53, 6.53, 6.53)

Electronics: DAE4 Sn729, Calibrated: 6/20/2011

Duty Cycle: 1:1, Medium parameters used: $f = 513$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 41.6$; $\rho = 1000$ kg/m³

Below 3 GHz-Rev.4e/Face Scan/1-Area Scan (61x161x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 76.159 V/m; Power Drift = -0.34 dB

Motorola Fast SAR: SAR(1 g) = 4.87 mW/g; SAR(10 g) = 3.61 mW/g

Maximum value of SAR (interpolated) = 5.109 mW/g

Below 3 GHz-Rev.4e/Face Scan/2-Volume Scan 2D (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 76.159 V/m; Power Drift = -0.45 dB

Peak SAR (extrapolated) = **Not Specified** W/kg

Motorola Fast SAR: SAR(1 g) = 4.72 mW/g; SAR(10 g) = 3.5 mW/g

Maximum value of SAR (interpolated) = 4.958 mW/g

Below 3 GHz-Rev.4e/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 76.159 V/m; Power Drift = -0.45 dB

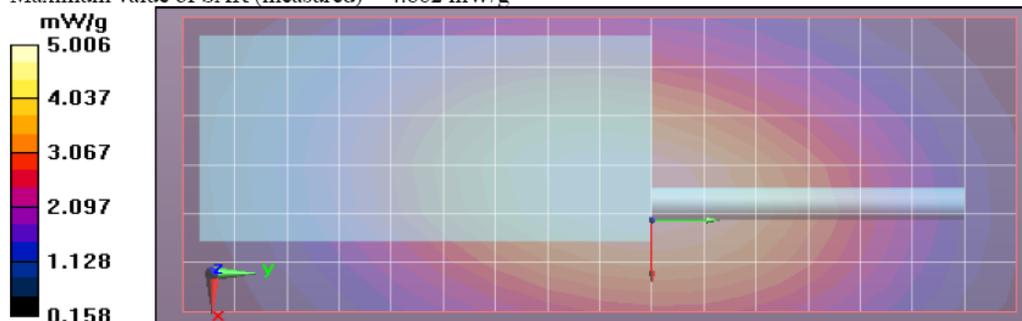
Peak SAR (extrapolated) = 6.045 W/kg

SAR(1 g) = 4.65 mW/g; SAR(10 g) = 3.49 mW/g

Maximum value of SAR (measured) = 4.867 mW/g

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

Maximum value of SAR (measured) = 4.862 mW/g



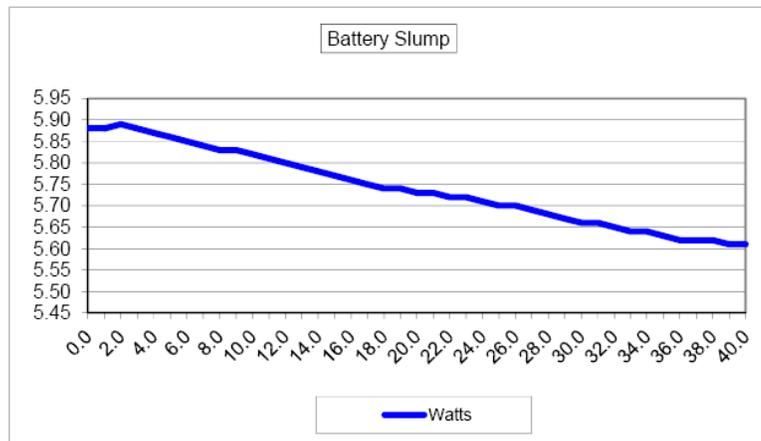
APPENDIX H DUT Supplementary Data (Power slump)

**H51SDH9PW7AN (MUE4080)
426TNB0563**

Battery NNTN8128A	Transmit Mode CW
Frequency 465.5 MHz	Audio Accessory None
Date 2/25/2012	

TX TIME	Measured Power
(minutes)	Watts

0.0	5.88
1.0	5.88
2.0	5.89
3.0	5.88
4.0	5.87
5.0	5.86
6.0	5.85
7.0	5.84
8.0	5.83
9.0	5.83
10.0	5.82
11.0	5.81
12.0	5.80
13.0	5.79
14.0	5.78
15.0	5.77
16.0	5.76
17.0	5.75
18.0	5.74
19.0	5.74
20.0	5.73
21.0	5.73
22.0	5.72
23.0	5.72
24.0	5.71
25.0	5.70
26.0	5.70
27.0	5.69
28.0	5.68
29.0	5.67
30.0	5.66
31.0	5.66
32.0	5.65
33.0	5.64
34.0	5.64
35.0	5.63
36.0	5.62
37.0	5.62
38.0	5.62
39.0	5.61
40.0	5.61



Appendix I
DUT Test Position Photos

Photos available in Exhibit 7B

Appendix J
DUT, Body worn and audio accessories Photos

Photos available in Exhibit 7B