

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: 5/05/2014 Report Revision: C Report ID: SR11908_H84UCH9PW7AN Rev C 140505
--	---

Responsible Engineer: Report Author: Date/s Tested: Manufacturer/Location: Sector/Group/Div.: Date submitted for test: DUT Description: Test TX mode(s): Max. Power output: Nominal Power: Tx Frequency Bands: Signaling type: Model(s) Tested: Model(s) Certified: Serial Number(s): Classification: FCC ID: IC:	Mac Elliott (Principle Staff Engineer) Stephen C. Whalen (Principle Staff Engineer) 12/21/13-12/23/13, 12/26/2013, 12/27/2013, 01/15/2014 & 01/24/2014 Motorola, Penang AESS – Astro Engineering Subscriber Solutions 12/17/13 Handheld Portable - 764-870MHz, 2.5-3.0W rated power, 6.25KHz/12.5KHz/25KHz, Capable of FM and TDMA transmission CW (PTT) 2.99W (764-806MHz), 3.6W (806-870MHz) 2.5W (764-806MHz), 3.0W (806-870MHz) 764-776 MHz, 793-806 MHz, 806 MHz-824 MHz, 851-870 MHz FM, TDMA H84UCH9PW7AN (MUF1647) H84UCH9PW7AN (MUF1647) 536TPX0018 & 536TPX0009 Occupational/Controlled AZ489FT7057; Rule Part 90 (764-775MHz, 793-824MHz & 851-869MHz) 109U-89FT7057 (764-776MHz, 793-824MHz & 851-870MHz)
--	--

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: 5/6/2014	Certification Date: 5/6/2014 Certification No.: L1140420P
---	--

APPENDIX D
System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/21/2013 12:12:03 AM

Robot#: DASY5-FL-1 | Run#: ErC-SYSP 750B-131221-01
 Dipole Model#: D750V3
 Phantom#: OVAL1021
 Tissue Temp: 21.2 (C)
 Serial#: 1083
 Test Freq: 750 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.01 dB
 Adjusted SAR (1W): 8.40 mW/g (1g)

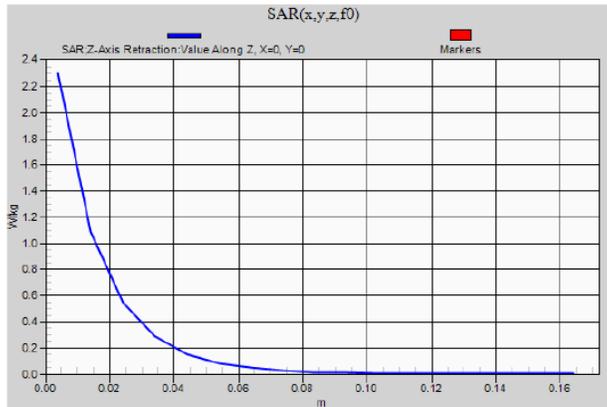
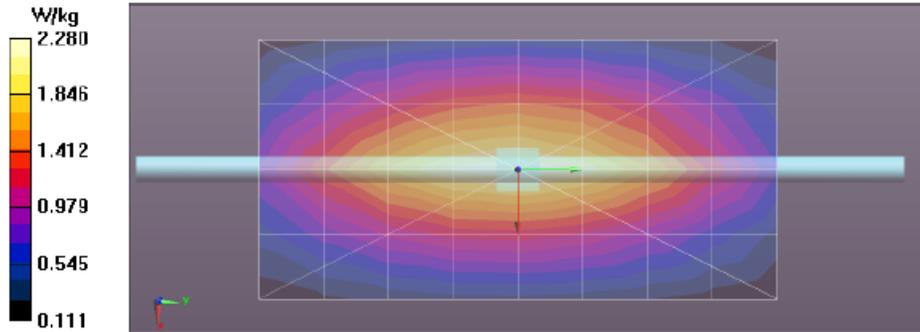
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.96 \text{ S/m}$; $\epsilon_r = 53.2$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3163, , Frequency: 750 MHz, ConvF(6.09, 6.09, 6.09); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement
 grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.28 W/kg

Below 2 GHz-Rev.1/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
 Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 49.809 V/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 3.04 W/kg
 SAR(1 g) = 2.1 W/kg; SAR(10 g) = 1.39 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.29 W/kg

Below 2 GHz-Rev.1/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
 grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 2.30 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/22/2013 12:10:50 AM

Robot#: DASY5-FL-1 | Run#: ErC-SYSP 900B-131222-01
 Dipole Model#: D900V2
 Phantom#: OVAL1022
 Tissue Temp: 21.2 (C)
 Serial#: 084
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.016 dB
 Adjusted SAR (1W): 10.56 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.07$ S/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3163, , Frequency: 900 MHz, ConvF(6.04, 6.04, 6.04); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement

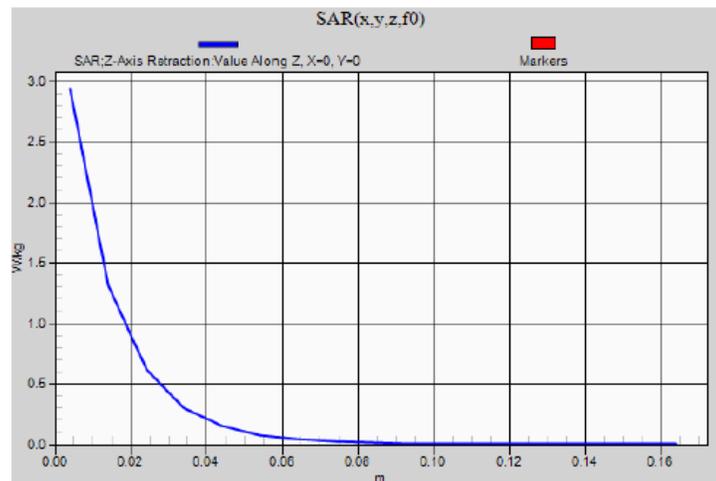
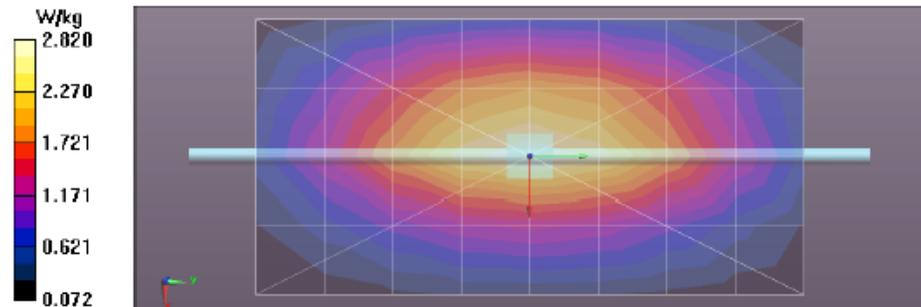
grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.82 W/kg

Below 2 GHz-Rev.1/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 53.118 V/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 4.03 W/kg
 SAR(1 g) = 2.64 W/kg; SAR(10 g) = 1.71 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.94 W/kg

Below 2 GHz-Rev.1/System Performance Check/Z-Axis Retraction (1x1x17): Measurement

grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 2.93 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/23/2013 9:36:14 AM

Robot#: DASY5-FL-1 | Run#: ErC-SYSP 900B-131223-01
 Dipole Model#: D900V2
 Phantom#: OVAL1022
 Tissue Temp: 21.3 (C)
 Serial#: 084
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.024 dB
 Adjusted SAR (1W): 10.48 mW/g (1g)

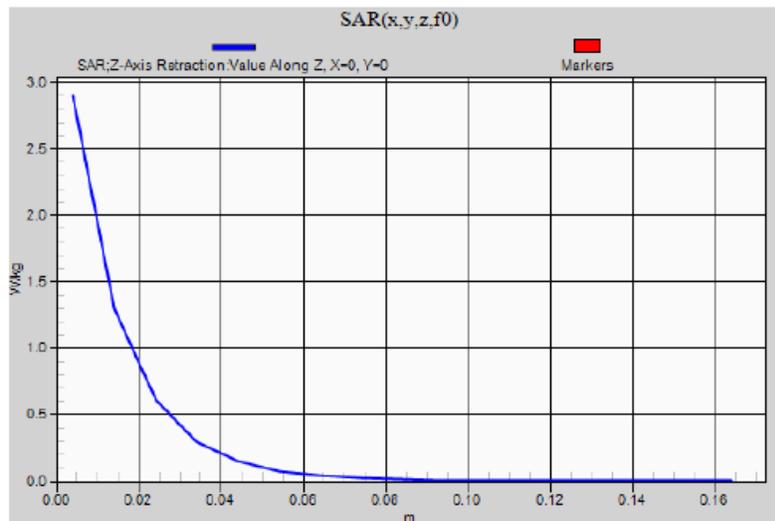
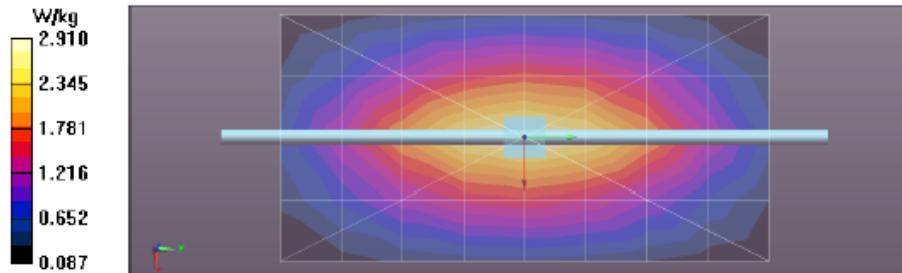
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.06$ S/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3163, , Frequency: 900 MHz, ConvF(6.04, 6.04, 6.04); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement
 grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.91 W/kg

Below 2 GHz-Rev.1/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
 Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 53.219 V/m; Power Drift = -0.03 dB
 Peak SAR (extrapolated) = 3.98 W/kg
 SAR(1 g) = 2.62 W/kg; SAR(10 g) = 1.69 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.89 W/kg

Below 2 GHz-Rev.1/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
 grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 2.90 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/26/2013 5:29:02 AM

Robot#: DASY5-FL-1 | Run#: ErC-SYSP 900B-131226-01
 Dipole Model#: D900V2
 Phantom#: OVAL1022
 Tissue Temp: 21.7 (C)
 Serial#: 084
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.01 dB
 Adjusted SAR (1W): 10.48 mW/g (1g)

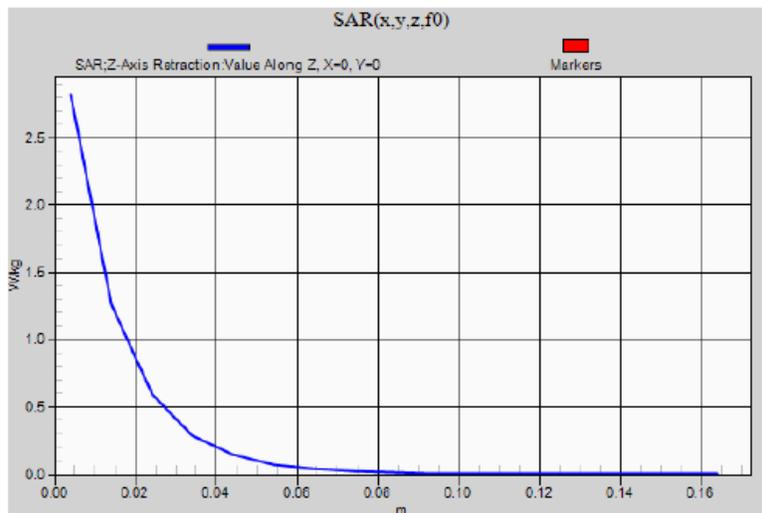
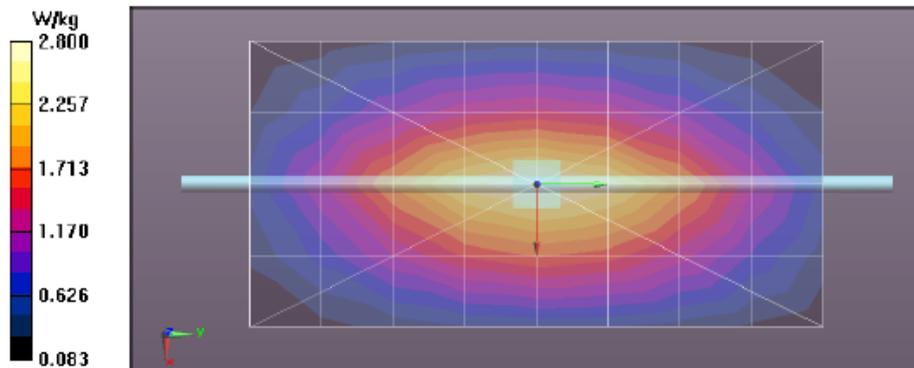
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.03$ S/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3163, , Frequency: 900 MHz, ConvF(6.04, 6.04, 6.04); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement
 grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.80 W/kg

Below 2 GHz-Rev.1/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
 Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 53.013 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 3.87 W/kg
 SAR(1 g) = 2.61 W/kg; SAR(10 g) = 1.67 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.82 W/kg

Below 2 GHz-Rev.1/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
 grid: dx=20mm, dy=20mm, dz=10mm



Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/26/2013 10:15:47 AM

Robot#: DASY5-FL-1 | Run#: ErC-SYSP 750H-131226-08
 Dipole Model#: D750V3
 Phantom#: OVAL1019
 Tissue Temp: 20.9 (C)
 Serial#: 1083
 Test Freq: 750 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.014 dB
 Adjusted SAR (1W): 7.92 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 750$ MHz; $\sigma = 0.85$ S/m; $\epsilon_r = 42.9$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3163, , Frequency: 750 MHz, ConvF(6.47, 6.47, 6.47); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement

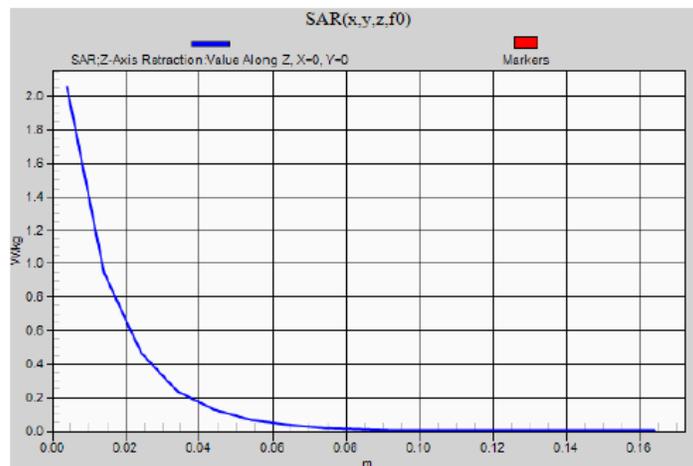
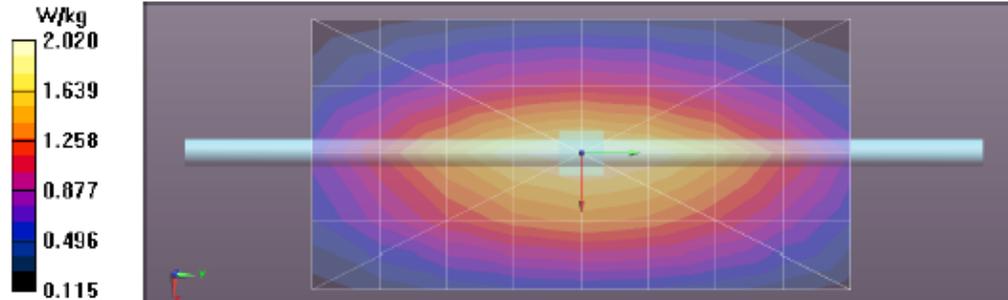
grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.02 W/kg

Below 2 GHz-Rev.1/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 49.838 V/m; Power Drift = -0.00 dB
 Peak SAR (extrapolated) = 2.80 W/kg
 SAR(1 g) = 1.98 W/kg; SAR(10 g) = 1.29 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.06 W/kg

Below 2 GHz-Rev.1/System Performance Check/Z-Axis Retraction (1x1x17): Measurement

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



Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/27/2013 5:38:33 AM

Robot#: DASY5-FL-1 | Run#: ErC-SYSP 900H-131227-01
 Dipole Model#: D900V2
 Phantom#: OVAL1018
 Tissue Temp: 21.6 (C)
 Serial#: 084
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (ID): 0.011 dB
 Adjusted SAR (1W): 10.80 mW/g (1g)

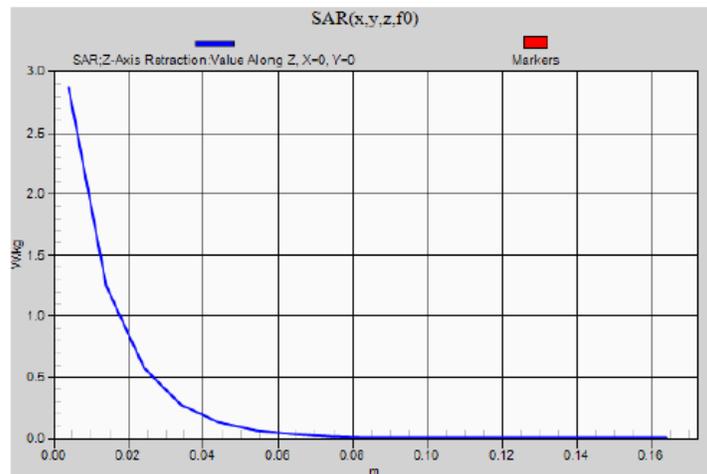
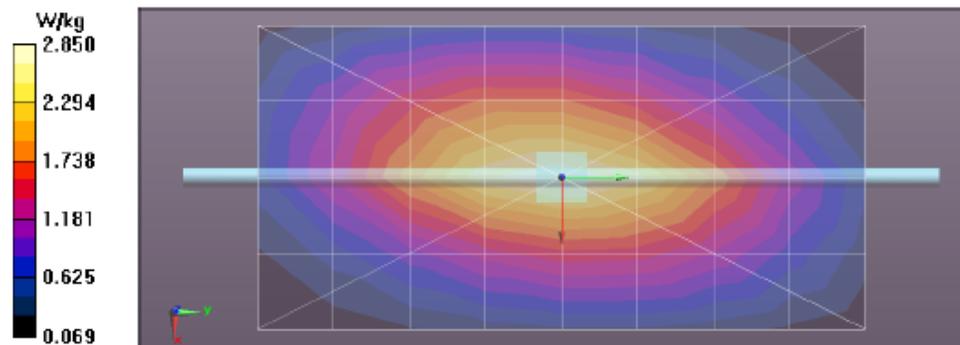
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3163, , Frequency: 900 MHz, ConvF(6.13, 6.13, 6.13); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement
 grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.85 W/kg

Below 2 GHz-Rev.1/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
 Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 55.756 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 4.04 W/kg
 SAR(1 g) = 2.7 W/kg; SAR(10 g) = 1.71 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.87 W/kg

Below 2 GHz-Rev.1/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
 grid: dx=20mm, dy=20mm, dz=10mm



Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/27/2013 10:43:12 AM

Robot#: DASY5-FL-1 | Run#: ErC-SYSP 750H-131227-10
 Dipole Model#: D750V3
 Phantom#: OVAL1019
 Tissue Temp: 20.9 (C)
 Serial#: 1083
 Test Freq: 750 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.016 dB
 Adjusted SAR (1W): 7.92 mW/g (1g)

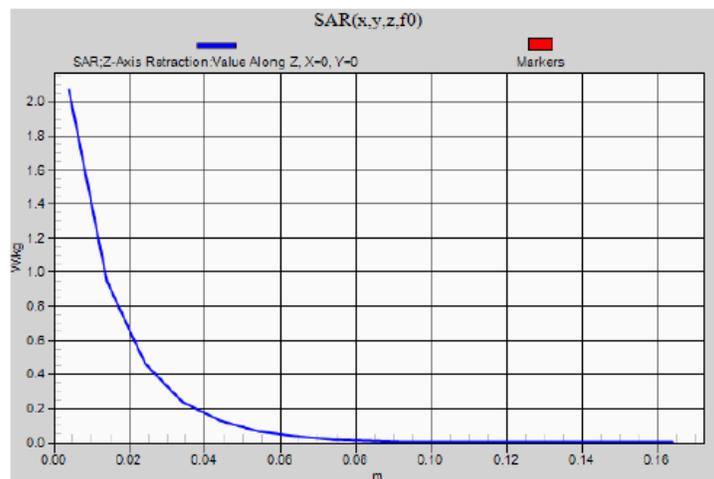
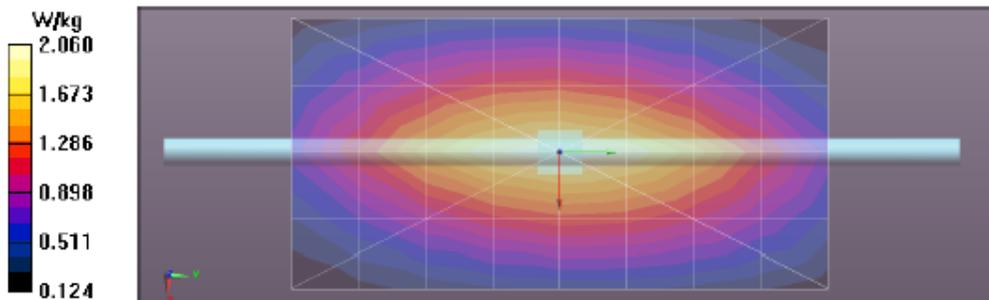
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 750$ MHz; $\sigma = 0.86$ S/m; $\epsilon_r = 43.6$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3163, , Frequency: 750 MHz, ConvF(6.47, 6.47, 6.47); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement
 grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.06 W/kg

Below 2 GHz-Rev.1/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
 Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 49.662 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 2.81 W/kg
 SAR(1 g) = 1.98 W/kg; SAR(10 g) = 1.29 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.07 W/kg

Below 2 GHz-Rev.1/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
 grid: dx=20mm, dy=20mm, dz=10mm



Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/9/2014 9:02:47 AM

Robot#: DASY5-FL-1 | Run#: HvH-SYSP-900B-140108-01
 Dipole Model#: D900V2
 Phantom#: OVAL1022
 Tissue Temp: 21.4 (C)
 Serial#: 084
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.015 dB
 Adjusted SAR (1W): 10.16 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.06$ S/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3163, , Frequency: 900 MHz, ConvF(6.04, 6.04, 6.04); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (41x81x1):

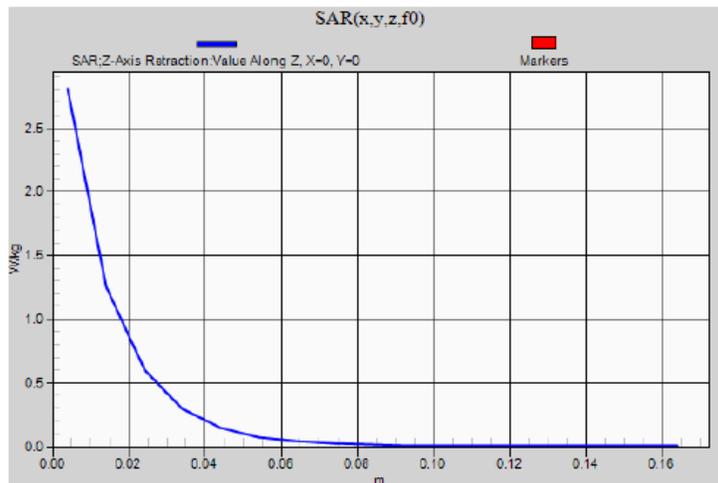
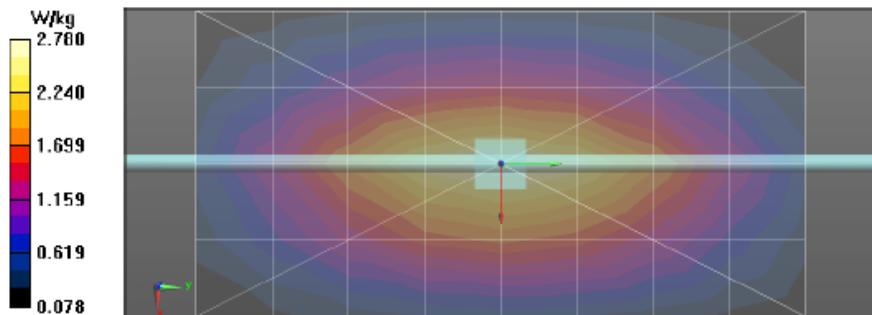
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 52.117 V/m; Power Drift = 0.00 dB
 Fast SAR: SAR(1 g) = 2.56 W/kg; SAR(10 g) = 1.68 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 2.80 W/kg

Below 2 GHz-Rev.1/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 52.117 V/m; Power Drift = 0.00 dB
 Peak SAR (extrapolated) = 3.84 W/kg
 SAR(1 g) = 2.54 W/kg; SAR(10 g) = 1.64 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.80 W/kg

Below 2 GHz-Rev.1/System Performance Check/Z-Axis Retraction (1x1x17): Measurement

grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 2.81 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/15/2014 5:50:04 AM

Robot#: DASY5-FL-1 | Run#: ErC-SYSP 900B-140115-01
 Dipole Model# D900V2
 Phantom#: OVAL1022
 Tissue Temp: 21.7 (C)
 Serial#: 084
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.011 dB
 Adjusted SAR (1W): 10.00 mW/g (1g)

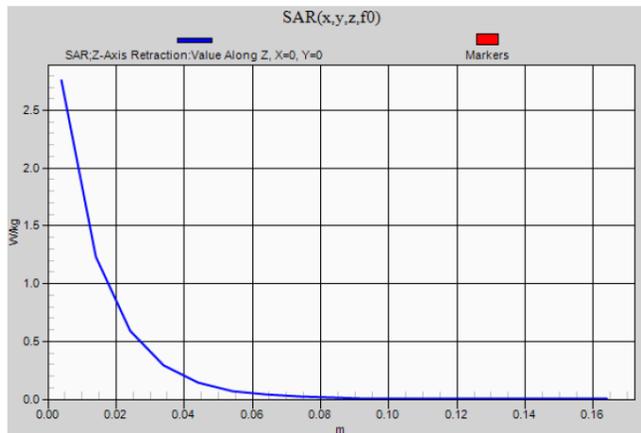
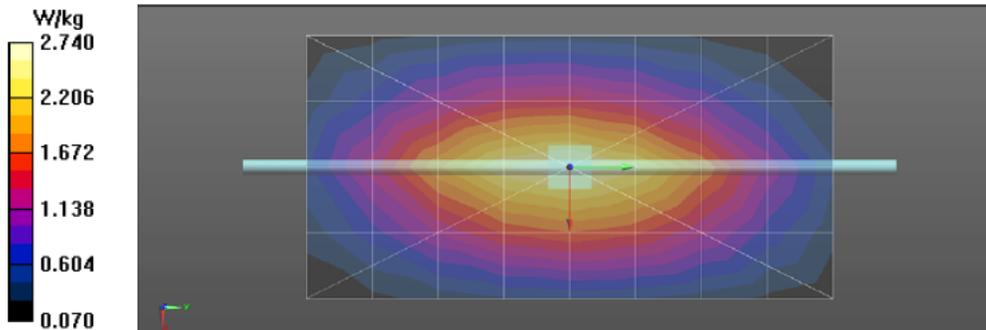
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.06$ S/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3163, , Frequency: 900 MHz, ConvF(6.04, 6.04, 6.04); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement
 grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.74 W/kg

Below 2 GHz-Rev.1/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
 Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 51.823 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 3.79 W/kg
 SAR(1 g) = 2.5 W/kg; SAR(10 g) = 1.61 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.75 W/kg

Below 2 GHz-Rev.1/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
 grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 2.76 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/24/2014 5:40:11 AM

Robot#: DASY5-FL-1 | Run#: ErC-SYSP 900B-140124-01
 Dipole Model# D900V2
 Phantom#: OVAL1022
 Tissue Temp: 21.6 (C)
 Serial#: 084
 Test Freq: 900 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.013 dB
 Adjusted SAR (1W): 10.64 mW/g (1g)

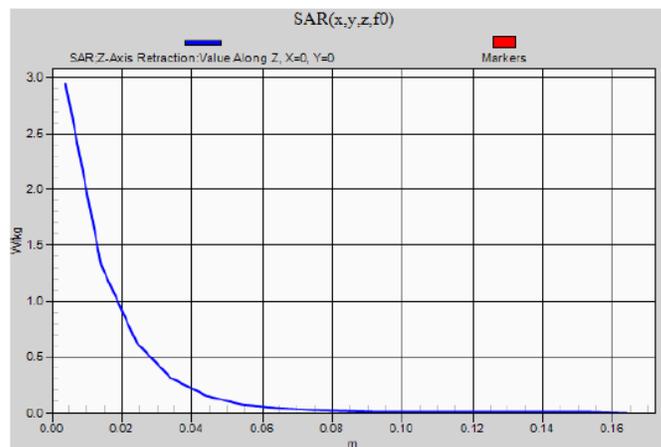
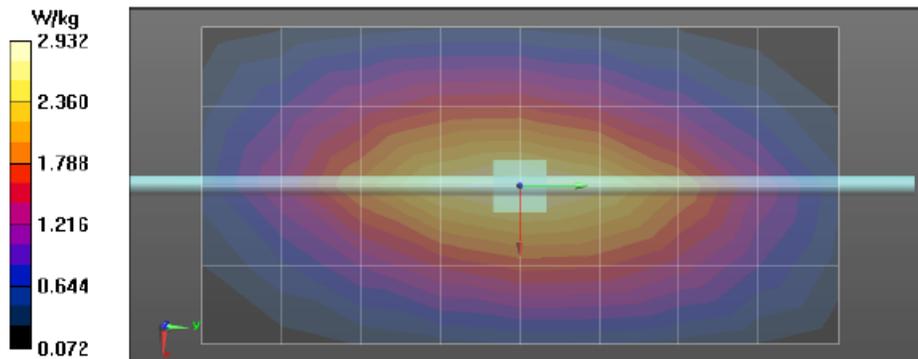
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.06$ S/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3163, , Frequency: 900 MHz, ConvF(6.04, 6.04, 6.04); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement
 grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.93 W/kg

Below 2 GHz-Rev.1/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
 Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 53.365 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 4.04 W/kg
 SAR(1 g) = 2.66 W/kg; SAR(10 g) = 1.72 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.94 W/kg

Below 2 GHz-Rev.1/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
 grid: dx=20mm, dy=20mm, dz=10mm



APPENDIX E
DUT Scans

**Assessments at the Body with body worn PMLN7008A
Table 17**

**Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/21/2013 1:41:13 AM**

Robot#: DASY5-FL-1 | Run#: ErC-Ab-131221-03
 Model#: H84UCH9PW7AN(MUF1647)
 Phantom#: OVAL1021
 Tissue Temp: 20.9 (C)
 Serial#: 536TPX0018
 Antenna: NAR6595A
 Test Freq: 774.9875 (MHz)
 Battery: NNTN8128B
 Carry Acc: PMLN7008A
 Audio Acc: PMLN6130A
 Start Power: 2.99 (W)

Comments:

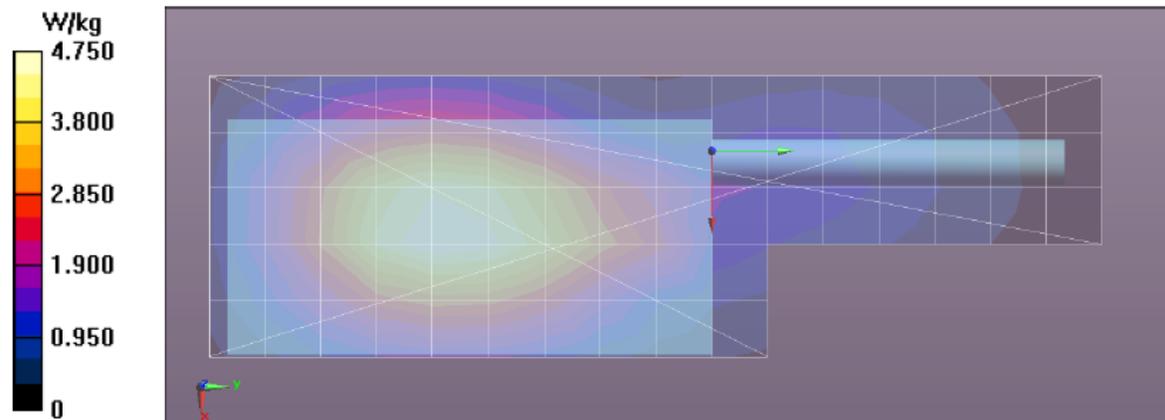
Duty Cycle: 1:1, Medium parameters used: $f = 775$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3163, , Frequency: 774.987 MHz, ConvF(6.09, 6.09, 6.09); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (51x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 57.943 V/m; Power Drift = -0.61 dB
 Fast SAR: SAR(1 g) = 4.65 W/kg; SAR(10 g) = 3.22 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 4.93 W/kg

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 4.75 W/kg

Below 2 GHz-Rev.1/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 57.943 V/m; Power Drift = -0.69 dB
 Peak SAR (extrapolated) = 5.54 W/kg
 SAR(1 g) = 4.42 W/kg; SAR(10 g) = 3.25 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 4.69 W/kg

Below 2 GHz-Rev.1/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 4.56 W/kg



**Assessments at the Body with body worn PMLN4651A
Table 18**

**Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/21/2013 3:59:50 AM**

Robot#: DASY5-FL-1 | Run#: ErC-Ab-131221-07
 Model#: H84UCH9PW7AN(MUF1647)
 Phantom#: OVAL1021
 Tissue Temp: 20.9 (C)
 Serial#: 536TPX0018
 Antenna: NAR6595A
 Test Freq: 774.9875 (MHz)
 Battery: NNTN8128B
 Carry Acc: PMLN4651A
 Audio Acc: PMLN6130A
 Start Power: 2.85 (W)

Comments:

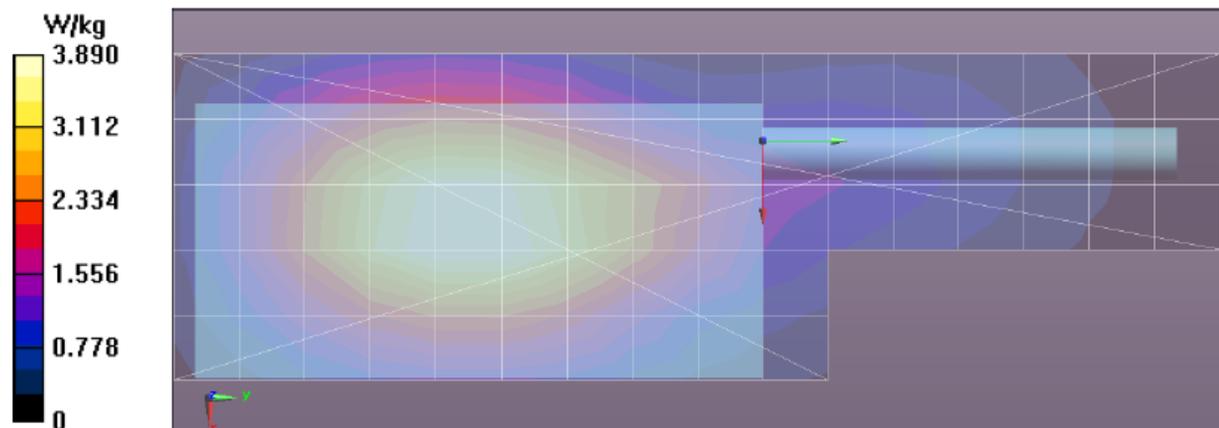
Duty Cycle: 1:1, Medium parameters used: $f = 775 \text{ MHz}$; $\sigma = 0.99 \text{ S/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3163, , Frequency: 774.987 MHz, ConvF(6.09, 6.09, 6.09); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (51x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 56.455 V/m; Power Drift = -0.46 dB
 Fast SAR: SAR(1 g) = 3.91 W/kg; SAR(10 g) = 2.71 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 4.15 W/kg

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (6x17x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 3.89 W/kg

Below 2 GHz-Rev.1/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 = 56.455 V/m; Power Drift = -0.65 dB
 Peak SAR (extrapolated) = 4.66 W/kg
 SAR(1 g) = 3.72 W/kg; SAR(10 g) = 2.75 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 3.92 W/kg

Below 2 GHz-Rev.1/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) = 3.84 W/kg



Assessments at the Body with Body worn PMLN6085A
Table 19

Motorola Solutions, Inc. EME Laboratory
 Date/Time: 12/21/2013 7:26:31 AM

Robot#: DASY5-FL-1 | Run#: ErC-Ab-131221-14
 Model#: H84UCH9PW7AN(MUF1647)
 Phantom#: OVAL1021
 Tissue Temp: 21.0 (C)
 Serial#: 536TPX0018
 Antenna: NAR6595A
 Test Freq: 774.9875 (MHz)
 Battery: PMNN4448AR
 Carry Acc: PMLN6085A
 Audio Acc: PMLN6130A
 Start Power: 2.84 (W)

Comments:

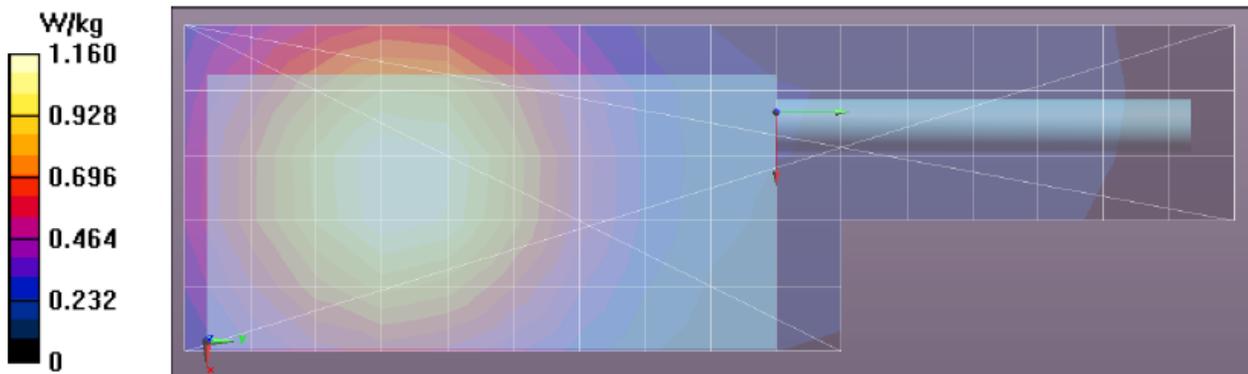
Duty Cycle: 1:1, Medium parameters used: $f = 775 \text{ MHz}$; $\sigma = 0.99 \text{ S/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3163, , Frequency: 774.987 MHz, ConvF(6.09, 6.09, 6.09); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (51x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 28.346 V/m; Power Drift = -0.12 dB
 Fast SAR: SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.793 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.20 W/kg

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.16 W/kg

Below 2 GHz-Rev.1/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 28.346 V/m; Power Drift = -0.33 dB
 Peak SAR (extrapolated) = 1.34 W/kg
 SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.811 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.14 W/kg

Below 2 GHz-Rev.1/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 PMLN6085A w/ NTN5243A
Table 20

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/21/2013 8:38:51 AM

Robot#: DASY5-FL-1 | Run#: ErC-Ab-131221-16
 Model#: H84UCH9PW7AN(MUF1647)
 Phantom#: OVAL1021
 Tissue Temp: 21.1 (C)
 Serial#: 536TPX0018
 Antenna: NAR6595A
 Test Freq: 774.9875 (MHz)
 Battery: NNTN8128B
 Carry Acc: PMLN6085A w/ NTN5243A
 Audio Acc: PMLN6130A
 Start Power: 2.86 (W)

Comments: :

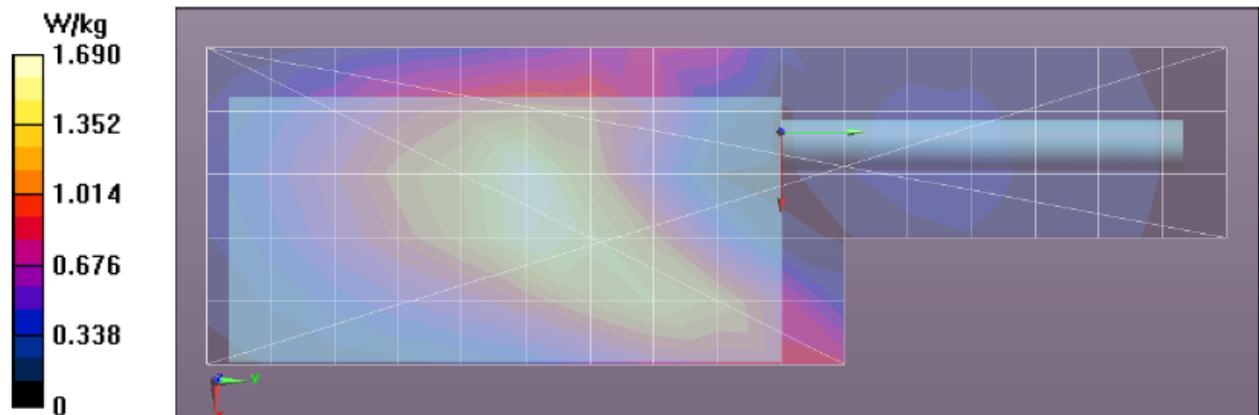
Duty Cycle: 1:1, Medium parameters used: $f = 775 \text{ MHz}$; $\sigma = 0.99 \text{ S/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3163, , Frequency: 774.987 MHz, ConvF(6.09, 6.09, 6.09); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (51x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 37.646 V/m; Power Drift = -0.28 dB
 Fast SAR: SAR(1 g) = 1.59 W/kg; SAR(10 g) = 1.08 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.72 W/kg

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.69 W/kg

Below 2 GHz-Rev.1/Ab Scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 37.646 V/m; Power Drift = -0.59 dB
 Peak SAR (extrapolated) = 2.56 W/kg
 SAR(1 g) = 1.63 W/kg; SAR(10 g) = 1.08 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.76 W/kg

Below 2 GHz-Rev.1/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 1.88 W/kg



**Assessments at the Body with Body worn PMLN7008A
Table 22**

**Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/22/2013 2:23:24 AM**

Robot#: DASY5-FL-1 | Run#: ErC-Ab-131222-04
 Model#: H84UCH9PW7AN(MUF1647)
 Phantom#: OVAL1022
 Tissue Temp: 21.4 (C)
 Serial#: 536TPX0018
 Antenna: NAR6595A
 Test Freq: 824.0000 (MHz)
 Battery: PMNN4424AR
 Carry Acc: PMLN7008A
 Audio Acc: PMLN6130A
 Start Power: 3.16 (W)

Comments:

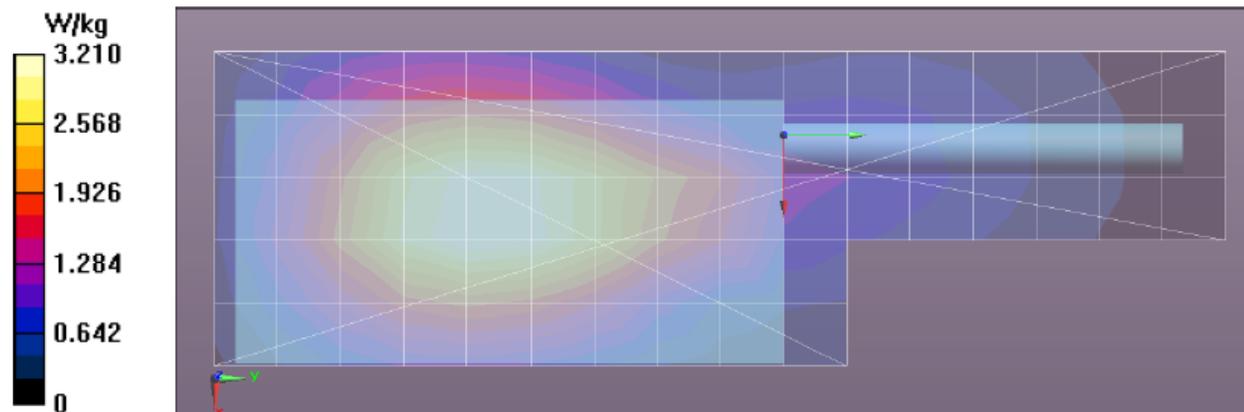
Duty Cycle: 1:1, Medium parameters used: $f = 824 \text{ MHz}$; $\sigma = 0.99 \text{ S/m}$; $\epsilon_r = 53.2$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3163, , Frequency: 823.987 MHz, ConvF(6.04, 6.04, 6.04); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (51x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 48.725 V/m; Power Drift = -0.21 dB
 Fast SAR: SAR(1 g) = 3.2 W/kg; SAR(10 g) = 2.21 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 3.40 W/kg

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (6x17x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 3.21 W/kg

Below 2 GHz-Rev.1/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 = 48.725 V/m; Power Drift = -0.26 dB
 Peak SAR (extrapolated) = 4.05 W/kg
 SAR(1 g) = 3.11 W/kg; SAR(10 g) = 2.25 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 3.30 W/kg

Below 2 GHz-Rev.1/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) = 3.28 W/kg



**Assessments at the Body with Body worn PMLN4651A
Table 23**

**Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/22/2013 4:56:06 AM**

Robot#: DASY5-FL-1 | Run#: ErC-Ab-131222-09
 Model#: H84UCH9PW7AN(MUF1647)
 Phantom#: OVAL1022
 Tissue Temp: 21.5 (C)
 Serial#: 536TPX0018
 Antenna: NAR6595A
 Test Freq: 824.0000 (MHz)
 Battery: PMNN4448AR
 Carry Acc: PMLN4651A
 Audio Acc: PMLN6130A
 Start Power: 3.07 (W)

Comments:

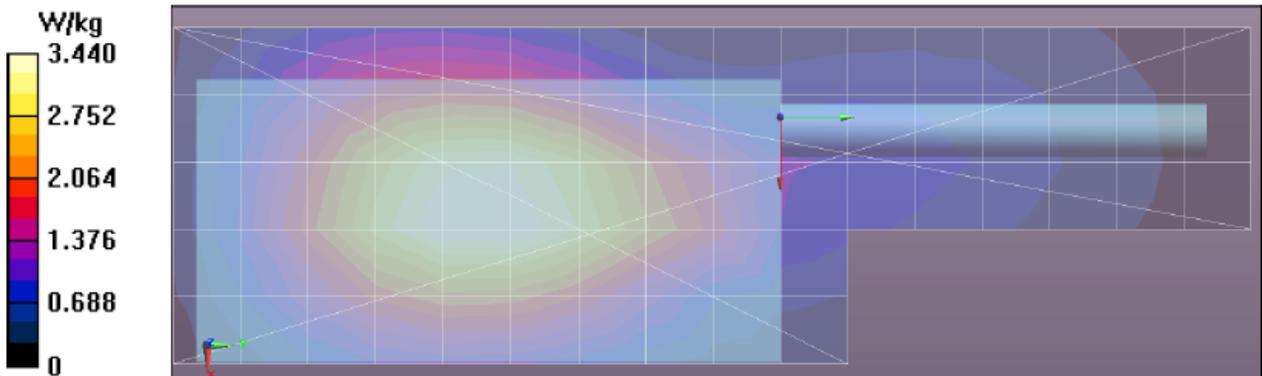
Duty Cycle: 1:1, Medium parameters used: $f = 824$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3163, , Frequency: 823.987 MHz, ConvF(6.04, 6.04, 6.04); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (51x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 47.910 V/m; Power Drift = -0.01 dB
 Fast SAR: SAR(1 g) = 3.41 W/kg; SAR(10 g) = 2.35 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 3.62 W/kg

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 3.44 W/kg

Below 2 GHz-Rev.1/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 47.910 V/m; Power Drift = -0.07 dB
 Peak SAR (extrapolated) = 4.29 W/kg
 SAR(1 g) = 3.3 W/kg; SAR(10 g) = 2.38 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 3.50 W/kg

Below 2 GHz-Rev.1/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm



Assessments at the Body with Body worn PMLN6085A
Table 24

Motorola Solutions, Inc. EME Laboratory
 Date/Time: 12/22/2013 6:05:53 AM

Robot#: DASY5-FL-1 | Run#: ErC-Ab-131222-11
 Model#: H84UCH9PW7AN
 Phantom#: OVAL1022
 Tissue Temp: 21.2 (C)
 Serial#: 536TPX0018
 Antenna: NAR6595A
 Test Freq: 824.0000 (MHz)
 Battery: NNTN8128B
 Carry Acc: PMLN6085A
 Audio Acc: PMLN6130A
 Start Power: 3.11 (W)

Comments:

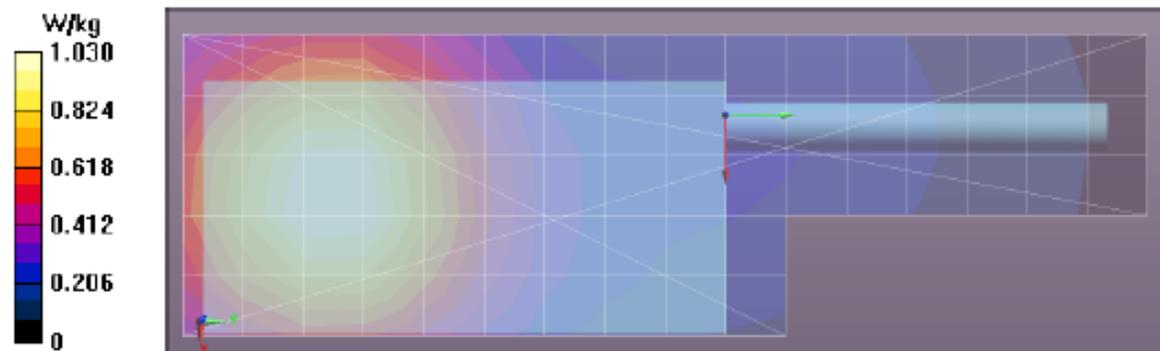
Duty Cycle: 1:1, Medium parameters used: $f = 824 \text{ MHz}$; $\sigma = 0.99 \text{ S/m}$; $\epsilon_r = 53.2$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3163, , Frequency: 823.987 MHz, ConvF(6.04, 6.04, 6.04); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (51x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 27.224 V/m; Power Drift = -0.02 dB
 Fast SAR: SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.706 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.07 W/kg

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (6x17x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 1.03 W/kg

Below 2 GHz-Rev.1/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 = 27.224 V/m; Power Drift = 0.30 dB
 Peak SAR (extrapolated) = 1.36 W/kg
 SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.797 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.13 W/kg

Below 2 GHz-Rev.1/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$



**Assessments at the Body with Body worn PMLN6085A w/ NTN5243A
Table 25**

Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/24/2014 7:08:07 AM

Robot#: DASY5-FL-1 | Run#: ErC-Ab-140124-02
 Model#: H84UCH9PW7AN(MUF1647)
 Phantom#: OVAL1022
 Tissue Temp: 21.5 (C)
 Serial#: 536TPX0018
 Antenna: NAF5085A
 Test Freq: 824.0000 (MHz)
 Battery: NNTN8128B
 Carry Acc: PMLN6085A w/ NTN5243A
 Audio Acc: PMLN6130A
 Start Power: 3.24 (W)

Comments: Without Belt Loop

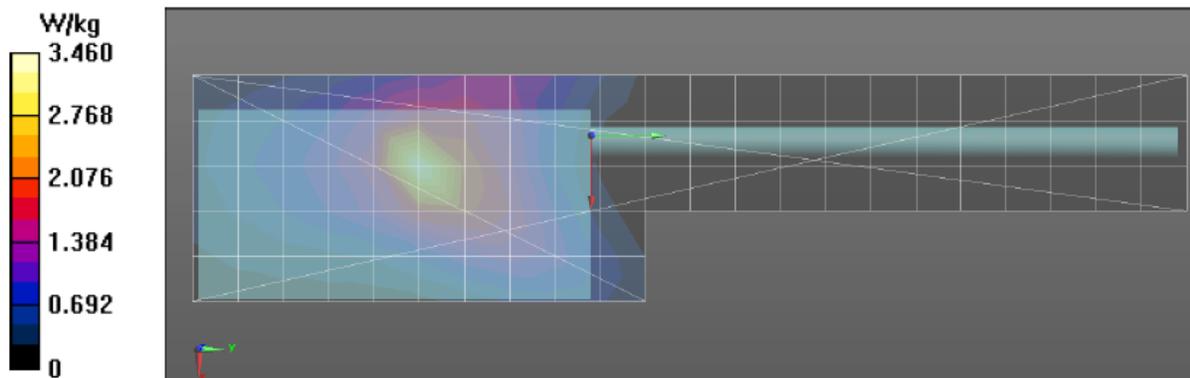
Duty Cycle: 1:1, Medium parameters used: $f = 824 \text{ MHz}$; $\sigma = 0.98 \text{ S/m}$; $\epsilon_r = 53.1$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3163, , Frequency: 823.987 MHz, ConvF(6.04, 6.04, 6.04); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (51x221x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 46.157 V/m; Power Drift = 0.16 dB
 Fast SAR: SAR(1 g) = 2.97 W/kg; SAR(10 g) = 1.77 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 3.48 W/kg

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (6x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 3.46 W/kg

Below 2 GHz-Rev.1/Ab Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$,
 $dz=5\text{mm}$
 Reference Value = 46.157 V/m; Power Drift = 0.09 dB
 Peak SAR (extrapolated) = 6.71 W/kg
 SAR(1 g) = 3.04 W/kg; SAR(10 g) = 1.75 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 3.64 W/kg

Below 2 GHz-Rev.1/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) = 3.56 W/kg



**Assessments at the Body with Body worn PMLN7008A
Table 27**

**Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/15/2014 6:59:34 AM**

Robot#: DASY5-FL-1 | Run#: ErC-Ab-140115-02
 Model#: H84UCH9PW7AN(MUF1647)
 Phantom#: OVAL1022
 Tissue Temp: 21.7 (C)
 Serial#: 536TPX0009
 Antenna: NAR6595A
 Test Freq: 851.0000 (MHz)
 Battery: PMNN4448AR
 Carry Acc: PMLN7008A
 Audio Acc: PMLN6130A
 Start Power: 3.20 (W)

Comments: Full Scan.

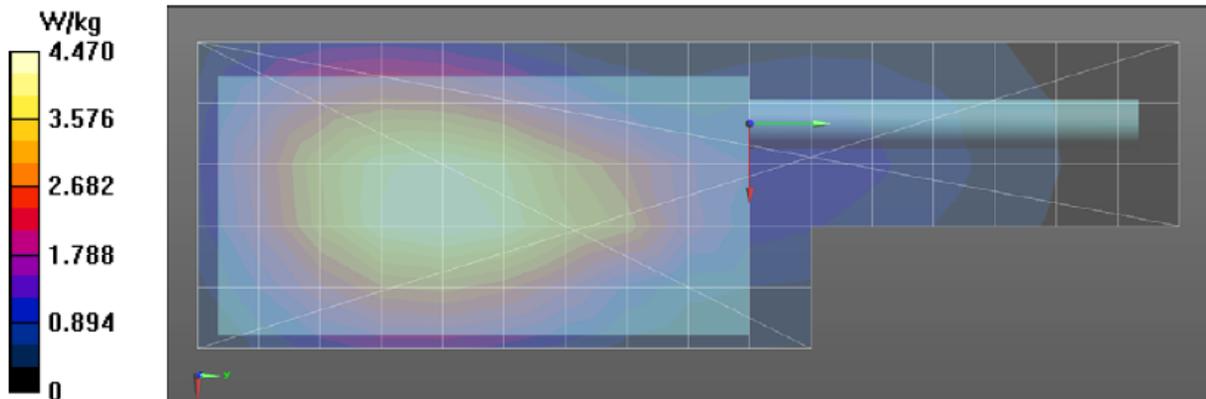
Duty Cycle: 1:1, Medium parameters used: $f = 851 \text{ MHz}$; $\sigma = 1.02 \text{ S/m}$; $\epsilon_r = 53.1$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3163, , Frequency: 851 MHz, ConvF(6.04, 6.04, 6.04); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (51x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 49.987 V/m; Power Drift = 0.01 dB
Fast SAR: SAR(1 g) = 4.42 W/kg; SAR(10 g) = 3.04 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 4.70 W/kg

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (6x17x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 4.47 W/kg

Below 2 GHz-Rev.1/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 = 49.987 V/m; Power Drift = 0.05 dB
 Peak SAR (extrapolated) = 6.04 W/kg
SAR(1 g) = 4.63 W/kg; SAR(10 g) = 3.33 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 4.91 W/kg

Below 2 GHz-Rev.1/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) = 4.92 W/kg



**Assessments at the Body with Body worn PMLN4651A
Table 28**

Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/23/2013 1:19:33 PM

Robot#: DASY5-FL-1 | Run#: ErC-Ab-131223-08
 Model#: H84UCH9PW7AN(MUF1647)
 Phantom#: OVAL1022
 Tissue Temp: 21.5 (C)
 Serial#: 536TPX0018
 Antenna: NAR6595A
 Test Freq: 851.0000 (MHz)
 Battery: PMNN4424AR
 Carry Acc: PMLN4651A
 Audio Acc: PMLN6130A
 Start Power: 3.17 (W)

Comments:

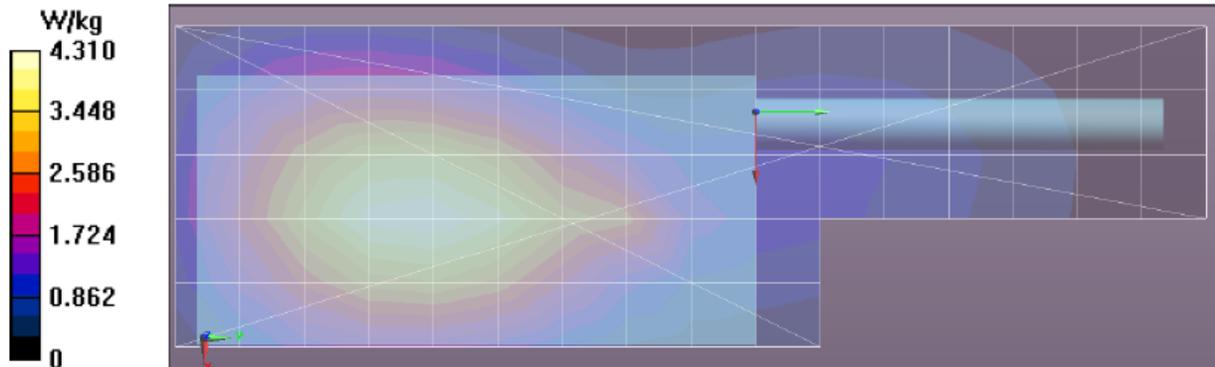
Duty Cycle: 1:1, Medium parameters used: $f = 851 \text{ MHz}$; $\sigma = 1.01 \text{ S/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3163, , Frequency: 851.013 MHz, ConvF(6.04, 6.04, 6.04); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (51x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 43.589 V/m; Power Drift = -0.34 dB
 Fast SAR: SAR(1 g) = 4.08 W/kg; SAR(10 g) = 2.8 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 4.34 W/kg

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (6x17x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 4.31 W/kg

Below 2 GHz-Rev.1/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 = 43.589 V/m; Power Drift = -0.32 dB
 Peak SAR (extrapolated) = 5.17 W/kg
 SAR(1 g) = 3.95 W/kg; SAR(10 g) = 2.84 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 4.20 W/kg

Below 2 GHz-Rev.1/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) = 4.18 W/kg



**Assessments at the Body with Body worn PMLN6085A
Table 29**

**Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/23/2013 2:48:50 PM**

Robot#: DASY5-FL-1 | Run#: ErC-Ab-131223-11
 Model#: H84UCH9PW7AN(MUF1647)
 Phantom#: OVAL1022
 Tissue Temp: 21.5 (C)
 Serial#: 536TPX0018
 Antenna: NAR6595A
 Test Freq: 851.0000 (MHz)
 Battery: NNTN8128B
 Carry Acc: PMLN6085A
 Audio Acc: PMLN6130A
 Start Power: 3.20 (W)

Comments:

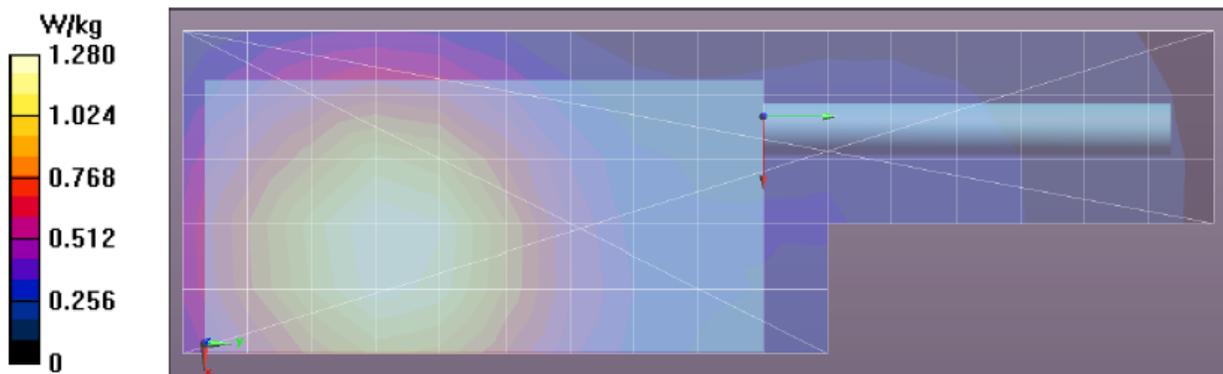
Duty Cycle: 1:1, Medium parameters used: $f = 851 \text{ MHz}$; $\sigma = 1.01 \text{ S/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3163, , Frequency: 851.013 MHz, ConvF(6.04, 6.04, 6.04); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (51x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 23.376 V/m; Power Drift = -0.32 dB
 Fast SAR: SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.865 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.32 W/kg

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (6x17x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 1.28 W/kg

Below 2 GHz-Rev.1/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 = 23.376 V/m; Power Drift = -0.34 dB
 Peak SAR (extrapolated) = 1.54 W/kg
 SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.888 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.27 W/kg

Below 2 GHz-Rev.1/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$,
 $dz=10\text{mm}$



**Assessments at the Body with Body worn PMLN6085A w/ NTN5243A
Table 30**

**Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/24/2014 9:49:34 AM**

Robot#: DASY5-FL-1 | Run#: ErC-Ab-140124-05
 Model#: H84UCH9PW7AN(MUF1647)
 Phantom#: OVAL1022
 Tissue Temp: 21.5 (C)
 Serial#: 536TPX0018
 Antenna: NAR6595A
 Test Freq: 851.0000 (MHz)
 Battery: PMNN4424AR
 Carry Acc: PMLN6085A w/ NTN5243A
 Audio Acc: PMLN6130A
 Start Power: 3.20 (W)

Comments: Without Belt Loop

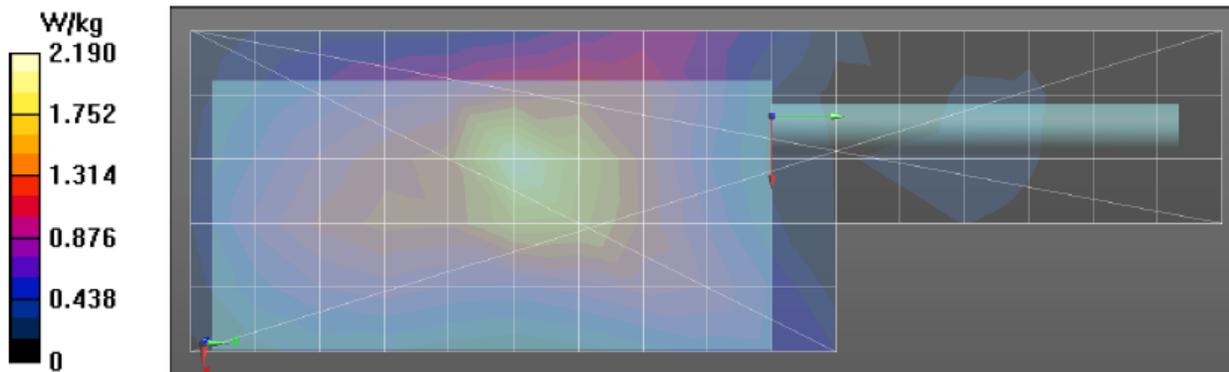
Duty Cycle: 1:1, Medium parameters used: $f = 851 \text{ MHz}$; $\sigma = 1.01 \text{ S/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3163, , Frequency: 851.013 MHz, ConvF(6.04, 6.04, 6.04); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (51x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 42.189 V/m; Power Drift = 0.37 dB
 Fast SAR: SAR(1 g) = 1.99 W/kg; SAR(10 g) = 1.27 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 2.23 W/kg

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (6x17x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 2.19 W/kg

Below 2 GHz-Rev.1/Ab Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 42.189 V/m; Power Drift = 0.59 dB
 Peak SAR (extrapolated) = 7.36 W/kg
 SAR(1 g) = 2.88 W/kg; SAR(10 g) = 1.47 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 3.40 W/kg

Below 2 GHz-Rev.1/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) = 3.64 W/kg



**Assessments at the Face
Table 32**

**Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/26/2013 12:38:45 PM**

Robot#: DASY5-FL-1 | Run#: ErC-Face-131226-10
 Model#: H84UCH9PW7AN(MUF1647)
 Phantom#: OVAL1019
 Tissue Temp: 20.9 (C)
 Serial#: 536TPX0018
 Antenna: NAR6595A
 Test Freq: 770.0000 (MHz)
 Battery: PMNN4448AR
 Carry Acc: None
 Audio Acc: None
 Start Power: 2.66 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 770$ MHz; $\sigma = 0.86$ S/m; $\epsilon_r = 42.6$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3163, , Frequency: 770 MHz, ConvF(6.47, 6.47, 6.47); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

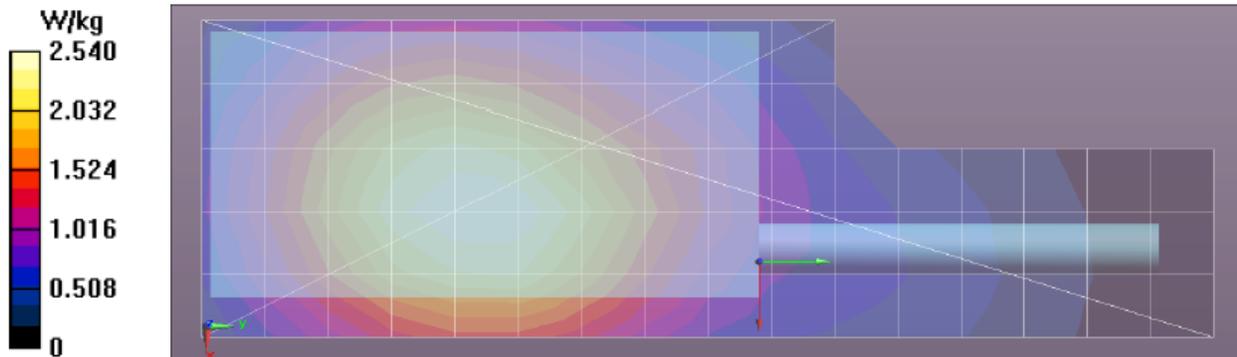
Below 2 GHz-Rev.1/Face Scan/1-Area Scan (51x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 52.490 V/m; Power Drift = 0.08 dB
 Fast SAR: SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.76 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 2.58 W/kg

Below 2 GHz-Rev.1/Face Scan/1-Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.54 W/kg

Below 2 GHz-Rev.1/Face Scan/3-Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 52.490 V/m; Power Drift = 0.05 dB
 Peak SAR (extrapolated) = 3.14 W/kg
 SAR(1 g) = 2.53 W/kg; SAR(10 g) = 1.87 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.58 W/kg

Below 2 GHz-Rev.1/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 2.56 W/kg



Assessments at the Face
Table 34

Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/27/2013 7:29:28 AM

Robot#: DASY5-FL-1 | Run#: ErC-Face-131227-04
 Model#: H84UCH9PW7AN(MUF1647)
 Phantom#: OVAL1018
 Tissue Temp: 21.6 (C)
 Serial#: 536TPX0018
 Antenna: NAR6595A
 Test Freq: 824.0000 (MHz)
 Battery: PMNN4424AR
 Carry Acc: None
 Audio Acc: None
 Start Power: 3.34 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 824 \text{ MHz}$; $\sigma = 0.87 \text{ S/m}$; $\epsilon_r = 42.1$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3163, , Frequency: 823.987 MHz, ConvF(6.13, 6.13, 6.13); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/Face Scan/1-Area Scan (51x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 27.915 V/m; Power Drift = -0.16 dB
 Fast SAR: SAR(1 g) = 0.766 W/kg; SAR(10 g) = 0.534 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 0.789 W/kg

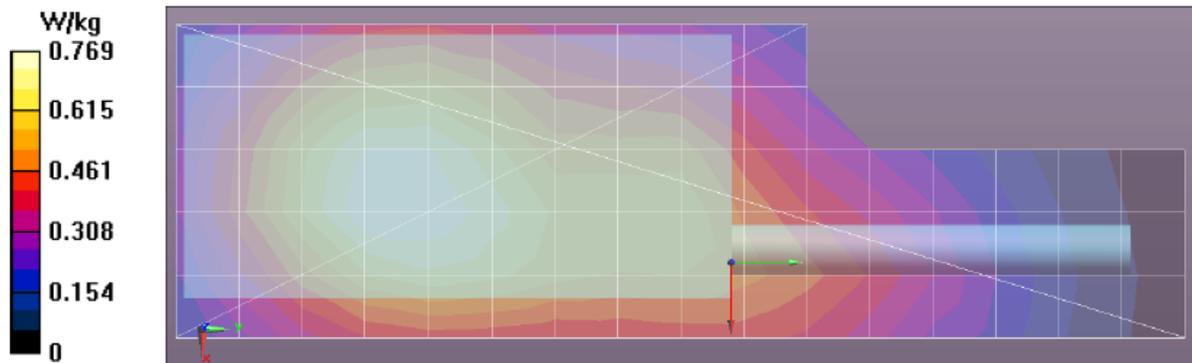
Below 2 GHz-Rev.1/Face Scan/1-Area Scan (6x17x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.769 W/kg

Below 2 GHz-Rev.1/Face 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 = 27.915 V/m; Power Drift = -0.23 dB
 Peak SAR (extrapolated) = 0.954 W/kg
 SAR(1 g) = 0.750 W/kg; SAR(10 g) = 0.549 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 0.763 W/kg

Below 2 GHz-Rev.1/Face 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) = 0.714 W/kg



**Assessments at the Face
Table 36**

**Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/27/2013 9:03:39 AM**

Robot#: DASY5-FL-1 | Run#: ErC-Face-131227-07
 Model#: H84UCH9PW7AN(MUF1647)
 Phantom#: OVAL1018
 Tissue Temp: 21.5 (C)
 Serial#: 536TPX0018
 Antenna: NAR6595A
 Test Freq: 851.0000 (MHz)
 Battery: PMNN4448AR
 Carry Acc: None
 Audio Acc: None
 Start Power: 3.19 (W)

Comments:

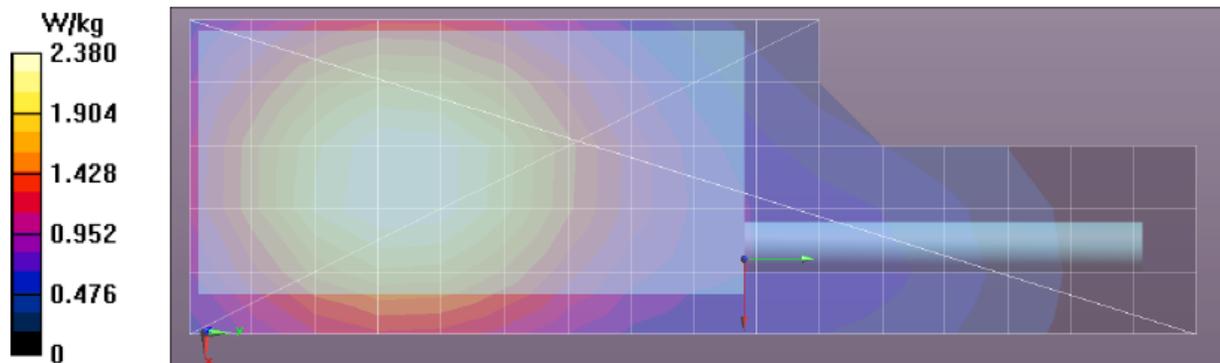
Duty Cycle: 1:1, Medium parameters used: $f = 851 \text{ MHz}$; $\sigma = 0.9 \text{ S/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3163, , Frequency: 851.013 MHz, ConvF(6.13, 6.13, 6.13); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/Face Scan/1-Area Scan (51x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 47.367 V/m; Power Drift = -0.10 dB
 Fast SAR: SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.65 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 2.47 W/kg

Below 2 GHz-Rev.1/Face Scan/1-Area Scan (6x17x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 2.38 W/kg

Below 2 GHz-Rev.1/Face 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 = 47.367 V/m; Power Drift = -0.10 dB
 Peak SAR (extrapolated) = 3.00 W/kg
 SAR(1 g) = 2.33 W/kg; SAR(10 g) = 1.7 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.43 W/kg

Below 2 GHz-Rev.1/Face 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) = 2.39 W/kg



APPENDIX F
Shortened Scan of Highest SAR configuration

Shortened Scan Table 37

Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/15/2014 7:28:06 AM

Robot#: DASY5-FL-1 | Run#: ErC-Ab-140115-03
 Model#: H84UCH9PW7AN(MUF1647)
 Phantom#: OVAL1022
 Tissue Temp: 21.7 (C)
 Serial#: 536TPX0009
 Antenna: NAR6595A
 Test Freq: 851.0000 (MHz)
 Battery: PMNN4448AR
 Carry Acc: PMLN7008A
 Audio Acc: PMLN6130A
 Start Power: 3.21 (W)

Comments: Short Scan.

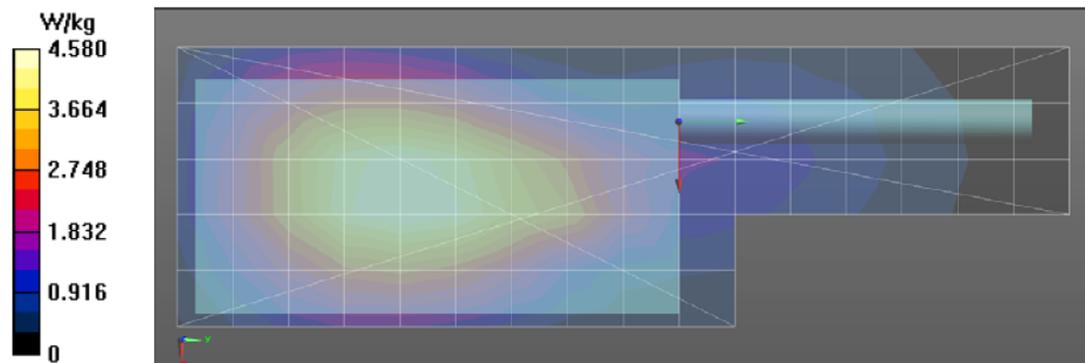
Duty Cycle: 1:1, Medium parameters used: $f = 851$ MHz; $\sigma = 1.02$ S/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3163, , Frequency: 851 MHz, ConvF(6.04, 6.04, 6.04); Calibrated: 4/26/2013
 Electronics: DAE4 Sn729, Calibrated: 4/9/2013

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (51x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 51.644 V/m; Power Drift = 0.12 dB
 Fast SAR: SAR(1 g) = 4.56 W/kg; SAR(10 g) = 3.13 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 4.84 W/kg

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 4.58 W/kg

Below 2 GHz-Rev.1/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 35.299 V/m; Power Drift = 0.16 dB
 Peak SAR (extrapolated) = 6.00 W/kg
 SAR(1 g) = 4.58 W/kg; SAR(10 g) = 3.29 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 4.85 W/kg

Below 2 GHz-Rev.1/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 4.95 W/kg



Shortened scan reflects highest SAR producing configuration and is compared to the full scan.

Scan description	Referenced Table	Test time (min.)	SAR 1g (W/kg)	SAR 10g (W/kg)
Shorten scan (zoom)	37	7	2.57	1.84
Full scan (area & zoom)	27	28	2.60	1.87

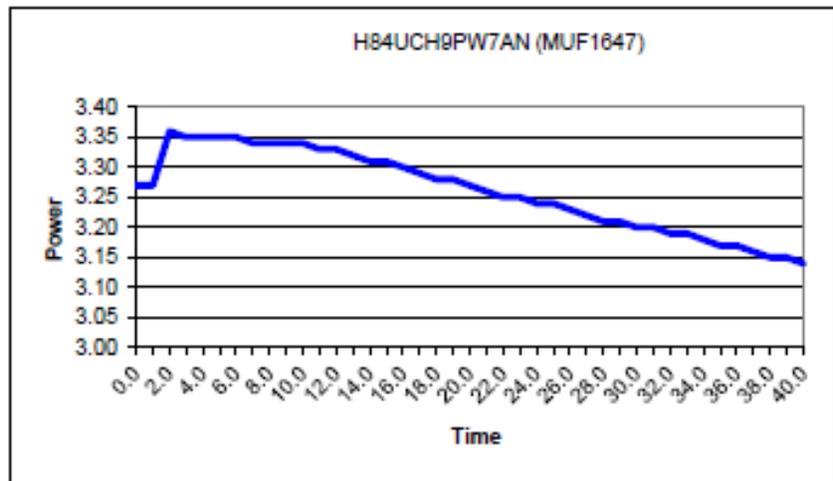
APPENDIX G
DUT Power slump

Model # H84UCH9PW7AN(MUF1647)
Serial # 536TPX00009

Battery	# PMNN44448AR	Transmit Mode	CW
Frequency	851.0000 MHz	Audio Accessory	PMLN6130A
Date	1/27/2014		

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

0.0	3.27
1.0	3.27
2.0	3.36
3.0	3.35
4.0	3.35
5.0	3.35
6.0	3.35
7.0	3.34
8.0	3.34
9.0	3.34
10.0	3.34
11.0	3.33
12.0	3.33
13.0	3.32
14.0	3.31
15.0	3.31
16.0	3.30
17.0	3.29
18.0	3.28
19.0	3.28
20.0	3.27
21.0	3.26
22.0	3.25
23.0	3.25
24.0	3.24
25.0	3.24
26.0	3.23
27.0	3.22
28.0	3.21
29.0	3.21
30.0	3.20
31.0	3.20
32.0	3.19
33.0	3.19
34.0	3.18
35.0	3.17
36.0	3.17
37.0	3.16
38.0	3.15
39.0	3.15
40.0	3.14



APPENDIX H
DUT Test Position Photos

Photos available in Exhibit 7B

APPENDIX I
DUT, Body Worn and Audio Accessory Photos

Photos available in Exhibit 7B