



MOTOROLA SOLUTIONS



TESTING CERT # 2518.05

DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2

Motorola Solutions Inc.
EME Test Laboratory
 Motorola Solutions Malaysia Sdn. Bhd. (455657-H)
 Plot 2, Bayan Lepas Technoplex Industrial Park,
 Mukim 12, S.W.D.
 11900 Bayan Lepas, Penang, Malaysia.

Date of Report: 03/24/2015
Report Revision: C

Responsible Engineer: Tan CheeChin (EME Section Manager)
Report Author: Tan CheeChin (EME Section Manager)
Date/s Tested: 01/03/14-03/26/14
Manufacturer/Location: Motorola Solutions Inc., Penang
Sector/Group/Div.: EMS
Date submitted for test: 12/05/13
DUT Description: Handheld Portable
 MTP3100 800MHz LKP CLR ROM
 MTP3250 800MHz FKP GPS/BT CLR ROM
Test TX mode(s): TDMA (PTT); CW (Bluetooth)
Max. Power output: 2.0W (800 band), 4.62 mW (Bluetooth)
Nominal Power: 1.8W (800 band), 2.0 mW (Bluetooth)
Tx Frequency Bands: 806 -870 MHz, 2.402 - 2.48GHz Bluetooth
Signaling type: TDMA & PI/4DQPSK ; FHSS (Bluetooth)
Model(s) Tested: PMUF1620A, PMUF1619A
Model(s) Certified: PMUF1620A(H61UCF6TZ1AN), PMUF1619A(H63UCH6TZ7AN)
Serial Number(s): 409TNZ0019
Classification: Occupational/Controlled
FCC ID: AZ489FT5868; 809-824MHz, 854-869MHz; 2402-2480MHz
IC : 109U-89FT5868; 806-824MHz, 851-869MHz; 2402-2480MHz

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
EME Lab Senior Resource Manager,
Laboratory Director
Approval Date: 3/24/2015

Appendix D

System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/3/2014 7:30:45 AM

Robot#: DASY5-PG-1 | Run#: PS-SYSP-835H-140103-01
 Dipole Model#: D835V2
 Phantom#: ELI4 1050
 Tissue Temp: 21.2 (C)
 Serial#: 4d029
 Test Freq: 835 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.039 dB
 Adjusted SAR (1W): 8.84 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 835 \text{ MHz}$, $\sigma = 0.92 \text{ S/m}$, $\epsilon_r = 40.7$, $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3196, Frequency: 835 MHz, CorvF(6.17, 6.17, 6.17); Calibrated: 3/13/2013
 Electronics: DAE4Sn684, Calibrated: 10/15/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (5x11x1):

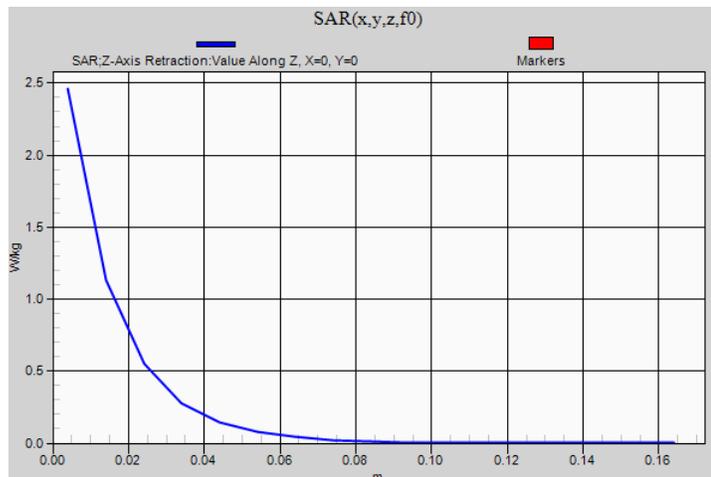
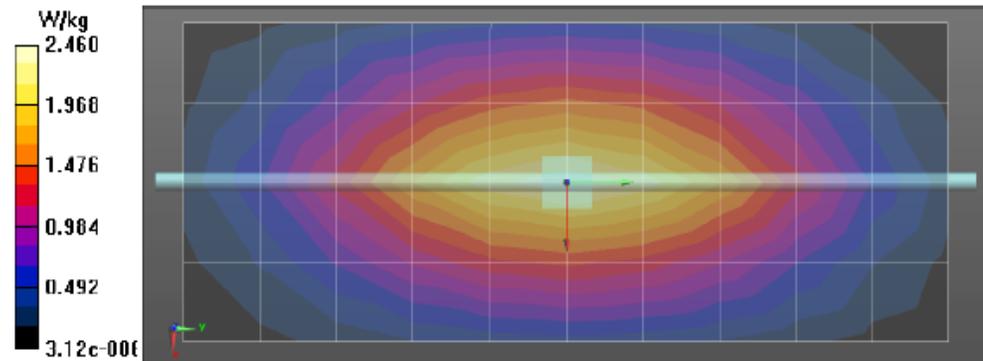
Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 2.43 W/kg

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

Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 52.033 V/m; Power Drift = -0.03 dB
 Peak SAR (extrapolated) = 3.33 W/kg
SAR(1 g) = 2.21 W/kg; SAR(10 g) = 1.45 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.45 W/kg

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

Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$
 Maximum value of SAR (measured) = 2.46 W/kg



Motorola Solutions, Inc. EME Laboratory
 Date/Time: 1/6/2014 7:24:56 AM

Robot#: DASY5-PG-1 | Run#: CoC-SYSP-835H-140106-01
 Dipole Model#: D835V2
 Phantom#: SAMTP 1384
 Tissue Temp: 21.1 (C)
 Serial#: 4d029
 Test Freq: 835 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.033 dB
 Adjusted SAR (1W): 9.12 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.89 \text{ S/m}$; $\epsilon_r = 43.2$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3196, Frequency: 835 MHz, ConvF(6.17, 6.17, 6.17); Calibrated: 3/13/2013
 Electronics: DAE45n684, Calibrated: 10/15/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (5x1x1):

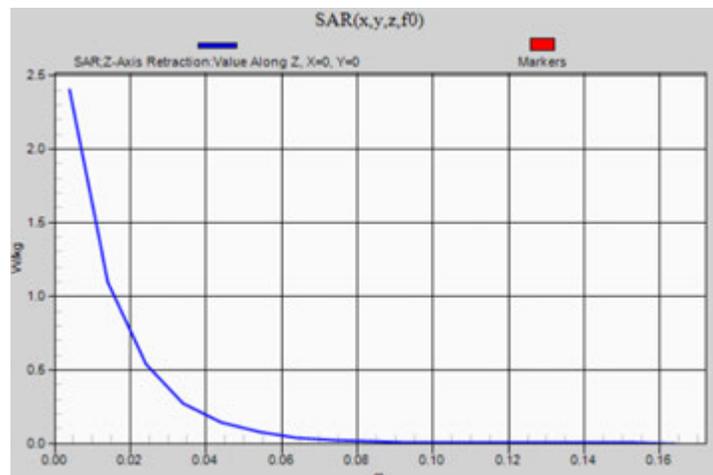
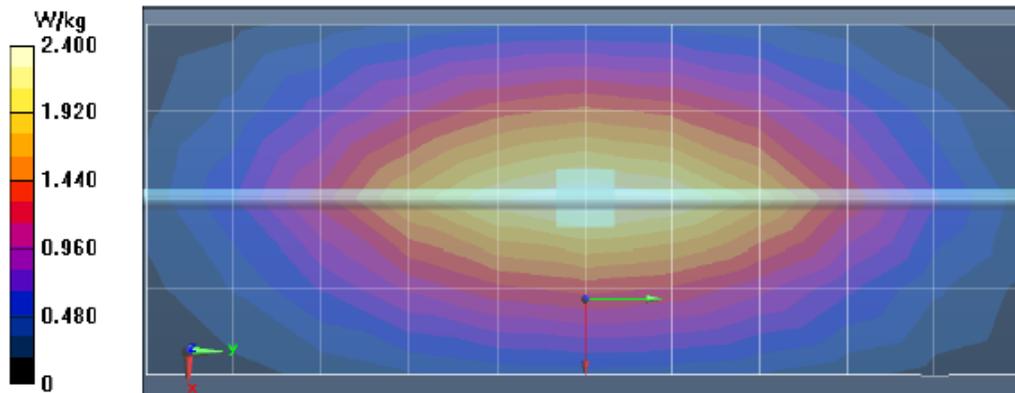
Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 2.43 W/kg

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

Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 33.131 W/m; Power Drift = -0.03 dB
 Peak SAR (extrapolated) = 3.30 W/kg
SAR(1 g) = 2.28 W/kg; SAR(10 g) = 1.48 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.42 W/kg

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

Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$
 Maximum value of SAR (measured) = 2.40 W/kg



Motorola Solutions, Inc. EME Laboratory
 Date/Time: 1/7/2014 6:41:44 AM

Robot#: DASY5-PG-1 | Run#: CcC-SYSP-835H-140107-01
 Dipole Model#: D835V2
 Phantom#: ELI4 1050
 Tissue Temp: 21.1 (C)
 Serial#: 4d029
 Test Freq: 835 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.029 dB
 Adjusted SAR (1W): 8.68 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 835$ MHz, $\sigma = 0.9$ S/m, $\epsilon_r = 41.7$, $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, , Frequency: 835 MHz, ConvF(6.17, 6.17, 6.17); Calibrated: 3/13/2013
 Electronics: DAE4Sn684, Calibrated: 10/15/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (5x1x1):

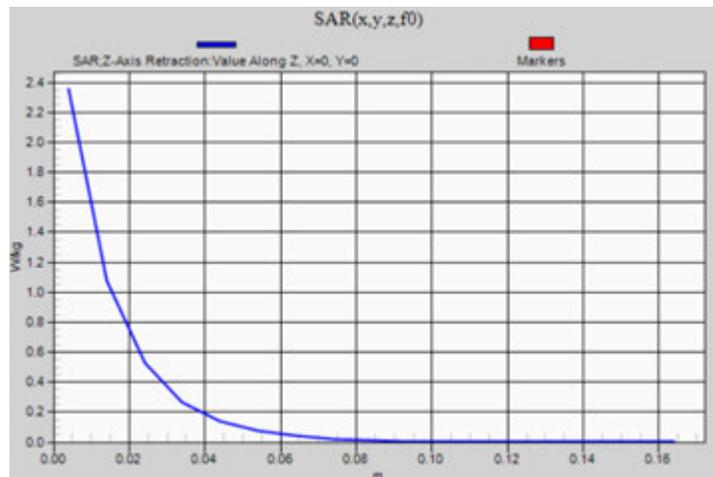
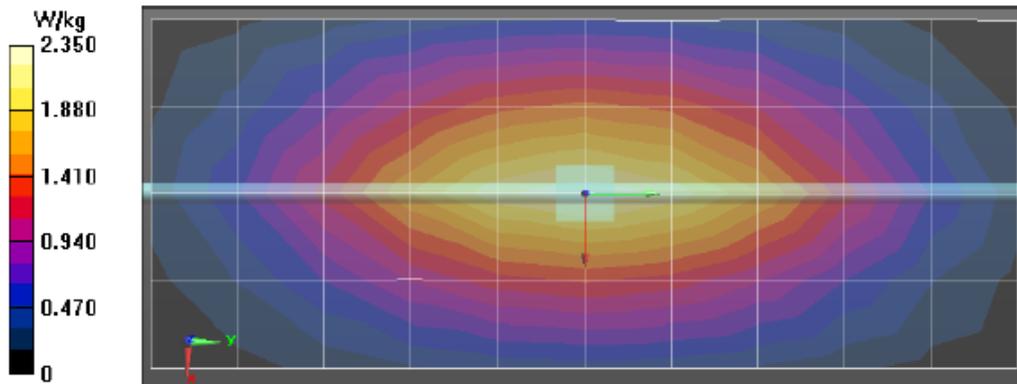
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR(measured) = 2.33 W/kg

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 = 51.667 V/m; Power Drift = 0.03 dB
 Peak SAR (extrapolated) = 3.19 W/kg
SAR(1 g) = 2.17 W/kg; SAR(10 g) = 1.42 W/kg (SAR corrected for target medium)
 Maximum value of SAR(measured) = 2.34 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) = 2.35 W/kg



Motorola Solutions, Inc. EME Laboratory
 Date/Time: 1/7/2014 9:59:23 AM

Robot#: DASY5-PG-1 | Run#: CoC-SYSP-835B-140107-06
 Dipole Model#: D835V2
 Phantom#: ELL5 1150
 Tissue Temp: 21.1 (C)
 Serial#: 4d029
 Test Freq: 835 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.021 dB
 Adjusted SAR (1W): 9.04 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 835$ MHz, $\sigma = 0.96$ S/m, $\epsilon_r = 56.3$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, Frequency: 835 MHz, ConvF(6.17, 6.17, 6.17); Calibrated: 3/13/2013
 Electronics: DAE4Sn684, Calibrated: 10/15/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (5x11x1):

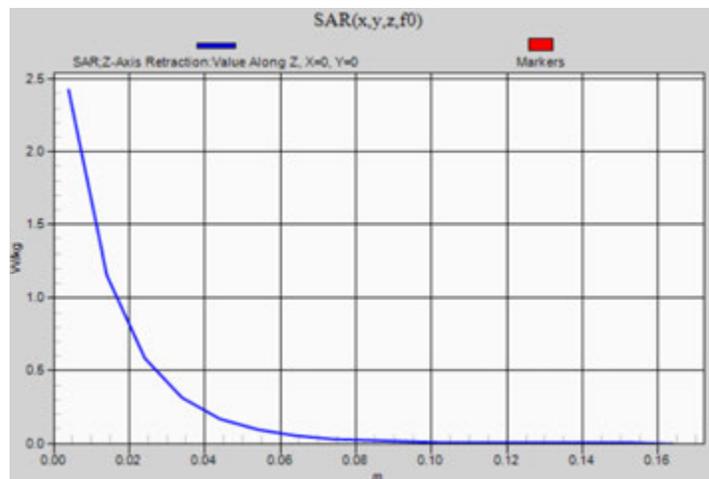
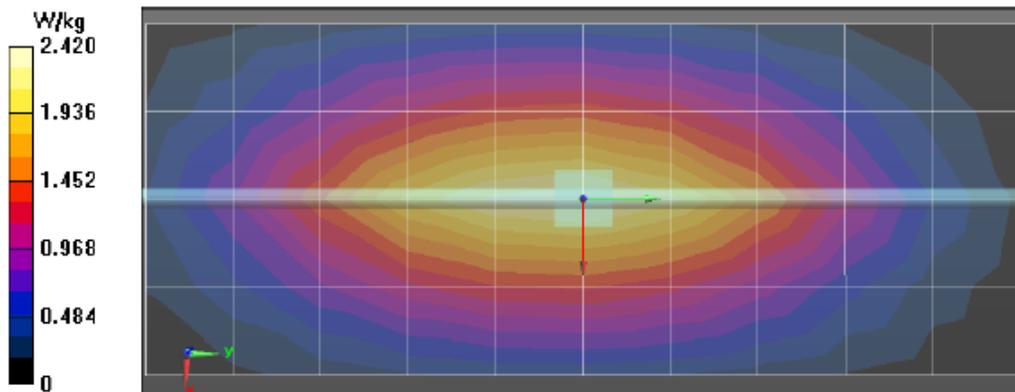
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.40 W/kg

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 = 30.942 V/m, Power Drift = 0.02 dB
 Peak SAR (extrapolated) = 3.26 W/kg
SAR(1 g) = 2.26 W/kg; SAR(10 g) = 1.49 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.42 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: 1/8/2014 6:19:40 AM

Robot#: DASY5-PG-1 | Run#: CcC-SYSP-835B-140108-01
 Dipole Model#: D835V2
 Phantom#: EL15 1150
 Tissue Temp: 21.1 (C)
 Serial#: 4d029
 Test Freq: 835 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.024 dB
 Adjusted SAR (1W): 9.12 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 835$ MHz; $\sigma = 1.02$ S/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³
 Probe: ES3DW3 - SN3196, Frequency: 835 MHz, ConvF(6.17, 6.17, 6.17); Calibrated: 3/13/2013
 Electronics: DAE4Sn684, Calibrated: 10/15/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (5x1x1):

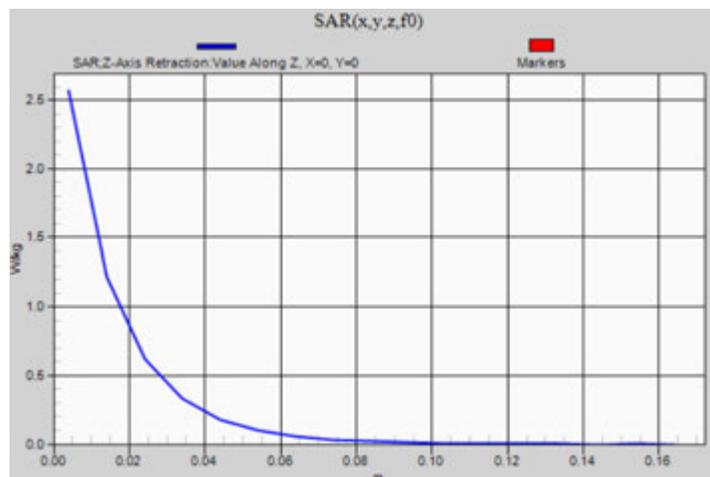
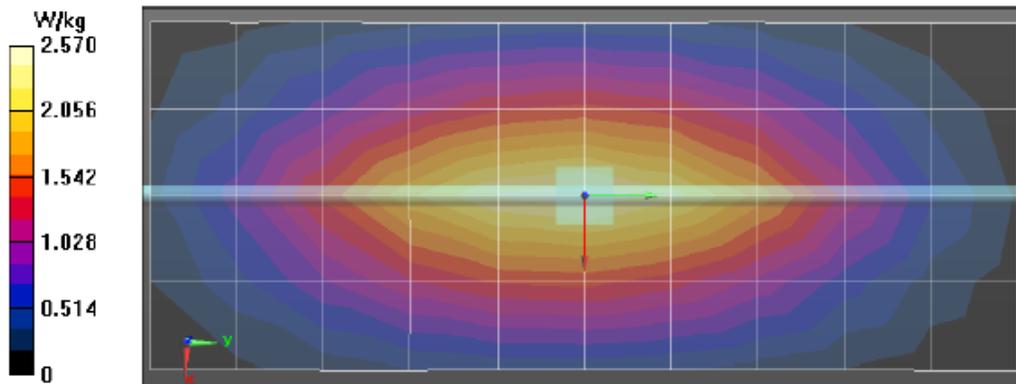
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.55 W/kg

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 = 30.721 W/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 3.45 W/kg
SAR(1 g) = 2.28 W/kg; SAR(10 g) = 1.51 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.56 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) = 2.57 W/kg



Motorola Solutions, Inc. EME Laboratory
 Date/Time: 1/9/2014 6:18:22 AM

Robot#: DASY5-PG-1 | Run#: CcC-SYSP-835B-140109-01
 Dipole Model#: D835V2
 Phantom#: ELI5 1150
 Tissue Temp: 20.8 (C)
 Serial#: 4d029
 Test Freq: 835 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.015 dB
 Adjusted SAR (1W): 9.12 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 835$ MHz, $\sigma = 1.02$ S/m; $\epsilon_r = 55.1$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, , Frequency: 835 MHz, ConvF(6.17, 6.17, 6.17); Calibrated: 3/13/2013
 Electronics: DAE4Sn684, Calibrated: 10/15/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (5x11x1):

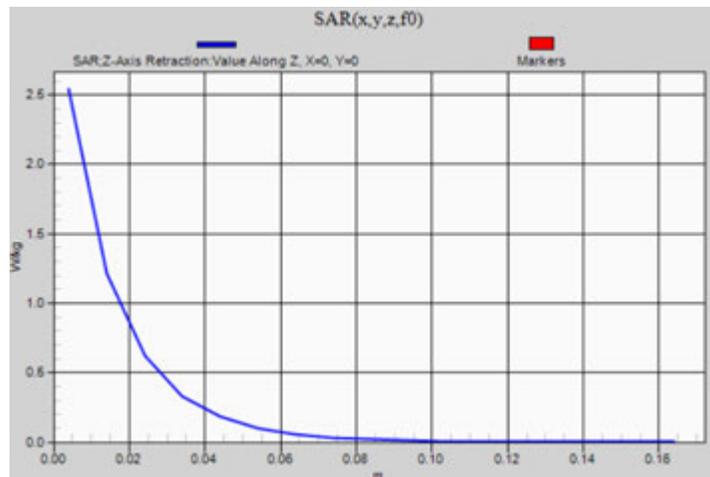
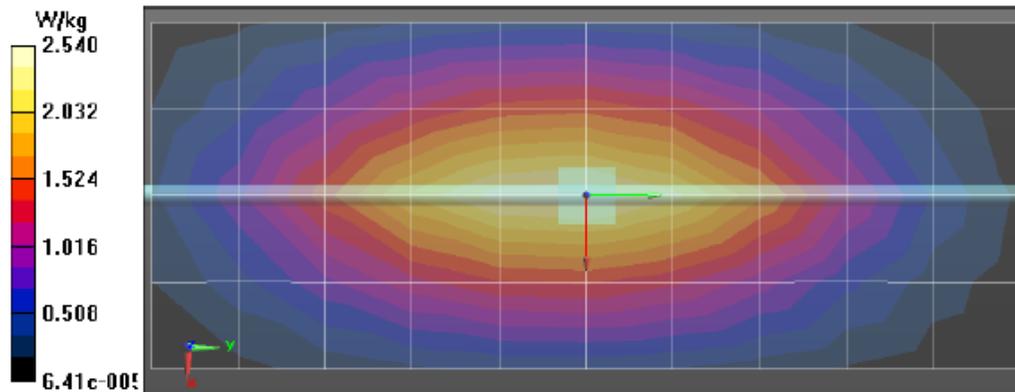
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.52 W/kg

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 = 50.724 V/m; Power Drift = -0.02 dB
 Peak SAR (extrapolated) = 3.46 W/kg
SAR(1 g) = 2.28 W/kg; SAR(10 g) = 1.52 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.57 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) = 2.54 W/kg



Motorola Solutions, Inc. EME Laboratory
 Date/Time: 1/10/2014 6:27:25 AM

Robot#: DASY5-PG-1 | Run#: CcC-SYSP-835B-140110-01
 Dipole Model#: D835V2
 Phantom#: ELI5 1150
 Tissue Temp: 21.2 (C)
 Serial#: 4d029
 Test Freq: 835 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.022 dB
 Adjusted SAR (1W): 9.00 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 835$ MHz; $\sigma = 1.02$ S/m; $\epsilon_r = 546$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, , Frequency: 835 MHz, ConvF(6.17, 6.17, 6.17); Calibrated: 3/13/2013
 Electronics: DAE4Sn684, Calibrated: 10/15/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (5x11x1):

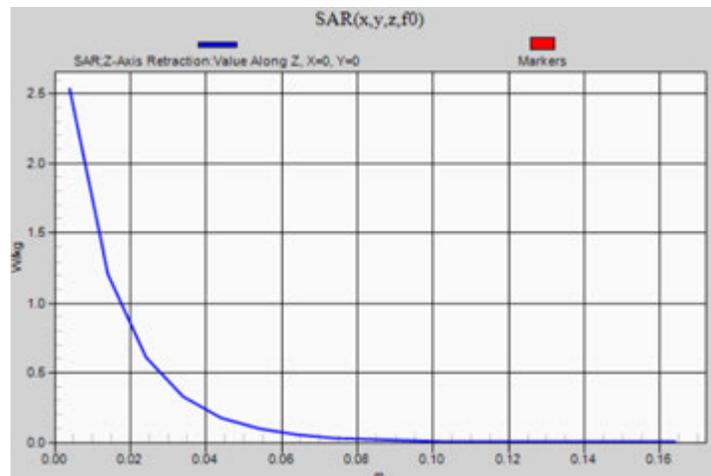
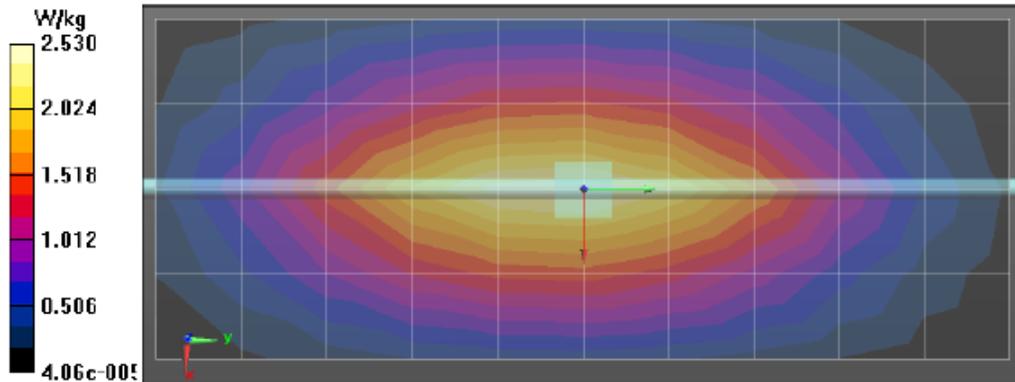
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.49 W/kg

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 = 50.405 V/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 3.41 W/kg
SAR(1 g) = 2.25 W/kg; SAR(10 g) = 1.5 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.53 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: 1/13/2014 10:14:32 AM

Robot#: DASY5-PG-1 | Run#: Lee-SYSP-835B-140113-01
 Dipole Model#: D835V2
 Phantom#: ELI5 1150
 Tissue Temp: 21.1 (C)
 Serial#: 4d029
 Test Freq: 835 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.03 dB
 Adjusted SAR (1W): 9.16 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 835$ MHz, $\sigma = 1.02$ S/m, $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, , Frequency: 835 MHz, ConvF(6.17, 6.17, 6.17); Calibrated: 3/13/2013
 Electronics: DAE4Sn684, Calibrated: 10/15/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (5x11x1):

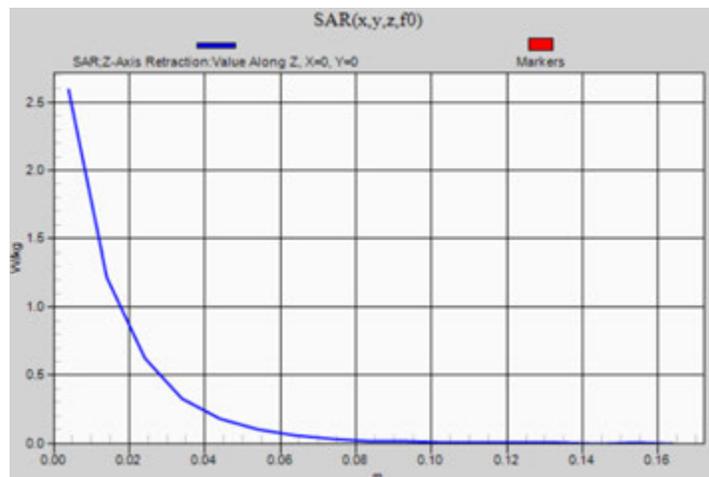
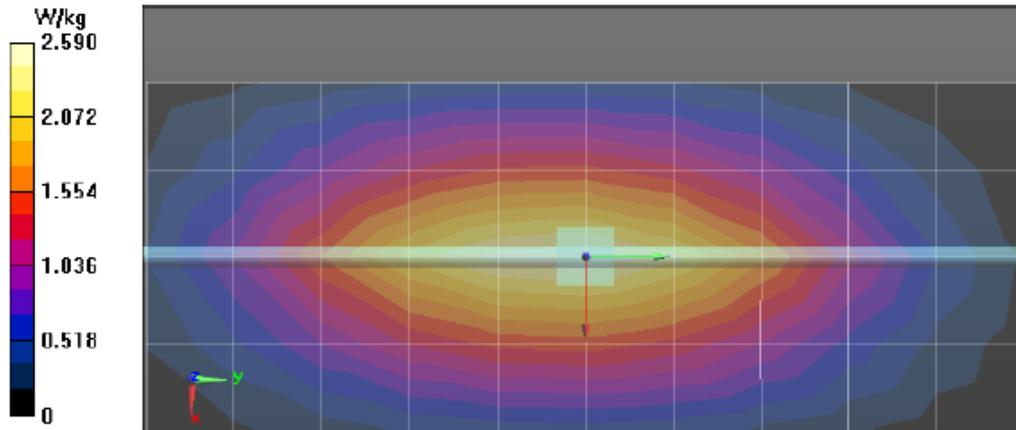
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.58 W/kg

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 = 30.956 V/m; Power Drift = 0.02 dB
 Peak SAR (extrapolated) = 3.49 W/kg
SAR(1 g) = 2.29 W/kg; SAR(10 g) = 1.53 W/kg (SAR corrected for target medium)

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) = 2.59 W/kg



Motorola Solutions, Inc. EME Laboratory
 Date/Time: 1/15/2014 6:56:01 AM

Robot#: DASY5-PG-1 | Run#: PS-SYSP-835B-140115-01
 Dipole Model#: D835V2
 Phantom#: ELI5 1150
 Tissue Temp: 21.1 (C)
 Serial#: 4d029
 Test Freq: 835 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.026 dB
 Adjusted SAR (1W): 908 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 835$ MHz; $\sigma = 1.01$ S/m; $\epsilon_r = 539$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, , Frequency: 835 MHz, ConvF(6.17, 6.17, 6.17); Calibrated: 3/13/2013
 Electronics: DAE4 Sn684, Calibrated: 10/15/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (5x11x1):

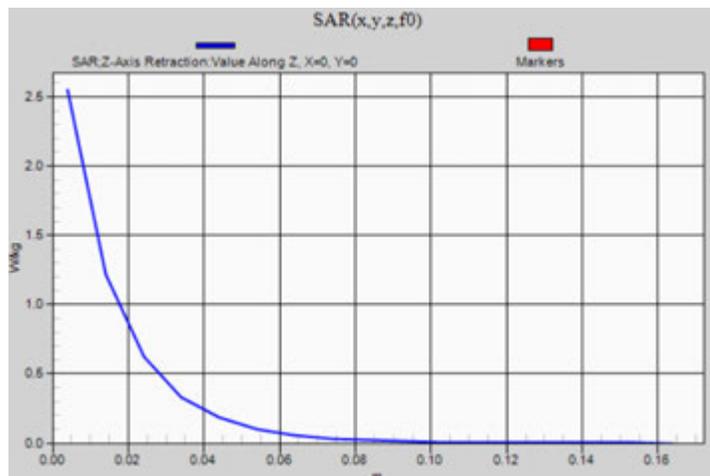
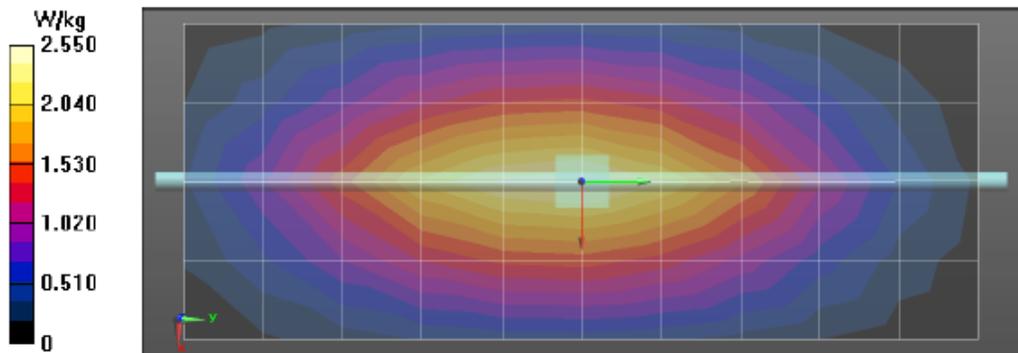
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR(measured) = 2.51 W/kg

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 = 51.153 V/m; Power Drift = -0.02 dB
 Peak SAR (extrapolated) = 3.42 W/kg
SAR(1 g) = 2.27 W/kg; SAR(10 g) = 1.51 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.54 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) = 2.55 W/kg



Motorola Solutions, Inc. EME Laboratory
 Date/Time: 1/20/2014 4:10:05 PM

Robot#: DASY5-PG-1 | Run#: PS-SYSP-835B-140120-01
 Dipole Model#: D835V2
 Phantom#: ELI5 1150
 Tissue Temp: 21.1 (C)
 Serial#: 4d029
 Test Freq: 835 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.028 dB
 Adjusted SAR (1W): 9.08 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 835$ MHz, $\sigma = 1$ S/m, $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, , Frequency: 835 MHz, ConvF(6.17, 6.17, 6.17); Calibrated: 3/13/2013
 Electronics: DAE4Sn684, Calibrated: 10/15/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (5x11x1):

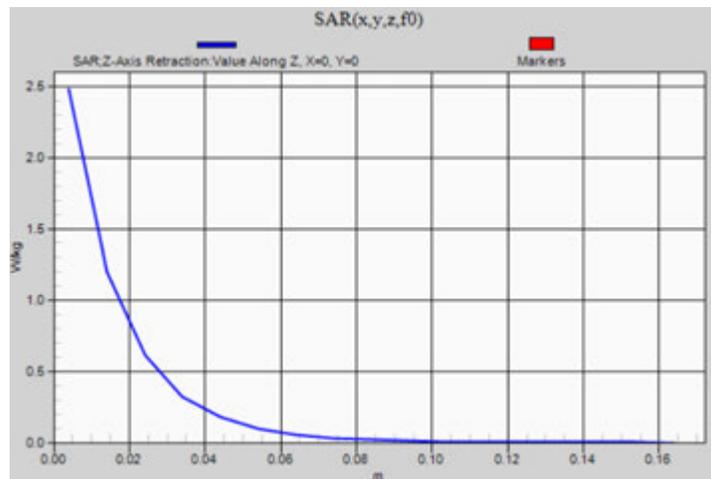
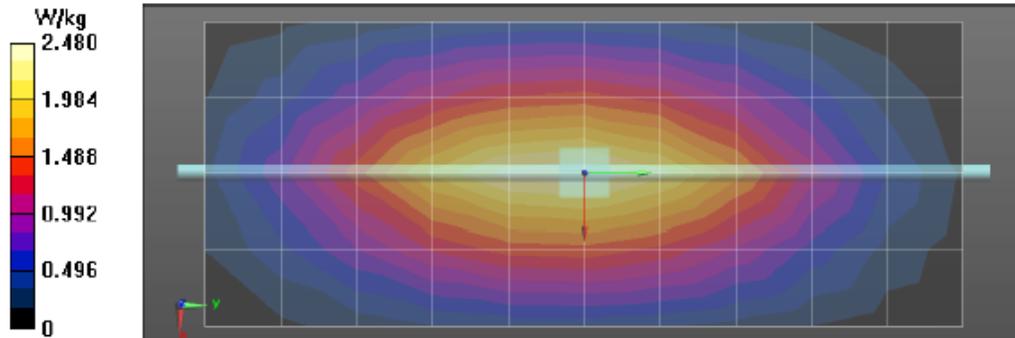
Measurement grid: $dx=15$ mm, $dy=15$ mm
 Maximum value of SAR (measured) = 2.49 W/kg

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 Reference Value = 50.579 V/m; Power Drift = -0.00 dB
 Peak SAR (extrapolated) = 3.37 W/kg
SAR(1 g) = 2.27 W/kg; SAR(10 g) = 1.51 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.52 W/kg

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

Measurement grid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 Maximum value of SAR (measured) = 2.48 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 3/18/2014 7:05:21 AM

Robot#: DASY5-PG-1 | Run#: CeC-SYSP-835B-140318-01
 Dipole Model#: D835V2
 Phantom#: ELI5 1150
 Tissue Temp: 21.2 (C)
 Serial#: 44030
 Test Freq: 835 (MHz)
 Start Power: 250 (mW)
 Rotation (LD): 0.061 dB
 Adjusted SAR (1W): 8.92 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.95 \text{ S/m}$; $\epsilon_r = 55.3$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3096, Frequency: 835 MHz, ConvF(5.68, 5.68, 5.68); Calibrated: 10/21/2013
 Electronics: DAE4 Sn684, Calibrated: 10/15/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (41x121x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 51.047 V/m; Power Drift = 0.01 dB
 Fast SAR: SAR(1 g) = 2.24 W/kg; SAR(10 g) = 1.5 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 2.37 W/kg

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (5x13x1):

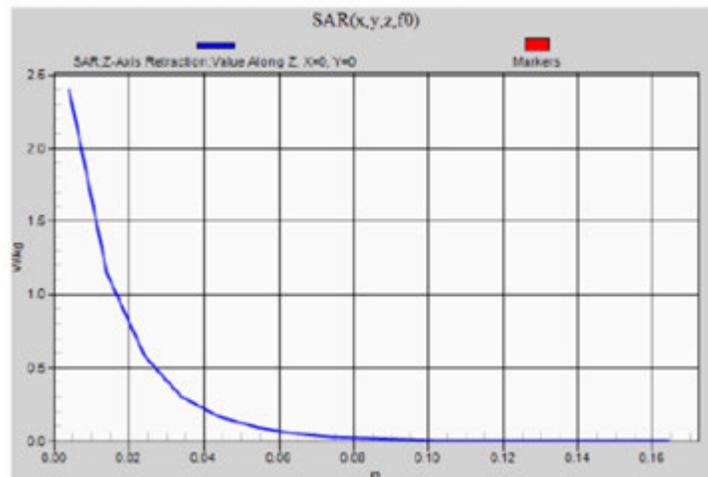
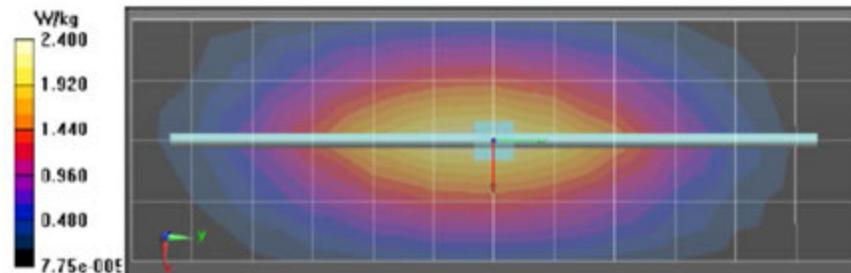
Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 2.36 W/kg

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

Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 51.047 V/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 3.15 W/kg
 SAR(1 g) = 2.23 W/kg; SAR(10 g) = 1.47 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.37 W/kg

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

Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$
 Maximum value of SAR (measured) = 2.40 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/26/2014 7:52:59 AM

Robot#: DASY5-PG-1 | Run#: PS-SYSP-835B-140326-01
 Dipole Model#: D835V2
 Phantom#: ELI5 1150
 Tissue Temp: 21.2 (C)
 Serial#: 4d030
 Test Freq: 835 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.045 dB
 Adjusted SAR (1W): 9.24 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters: used: $f = 835$ MHz; $\sigma = 0.96$ S/m; $\epsilon_r = 55.1$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, Frequency: 835 MHz, ConvF(5.68, 5.68, 5.68); Calibrated: 10/21/2013
 Electronics: DAE4 Sn684, Calibrated: 10/15/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (41x121x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 51.733 V/m; Power Drift = -0.01 dB
 Fast SAR: SAR(1 g) = 2.33 W/kg; SAR(10 g) = 1.57 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 2.49 W/kg

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (5x13x1):

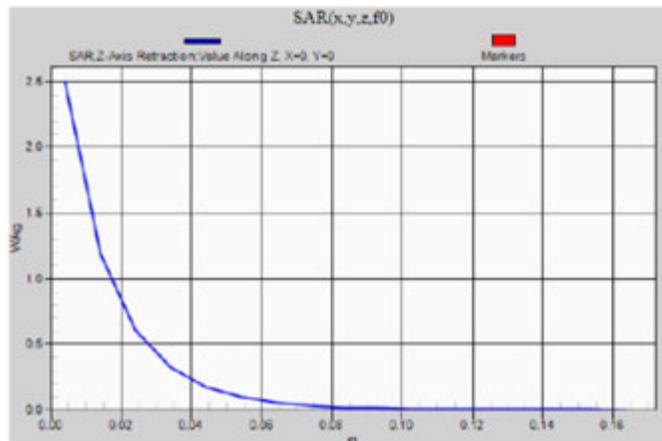
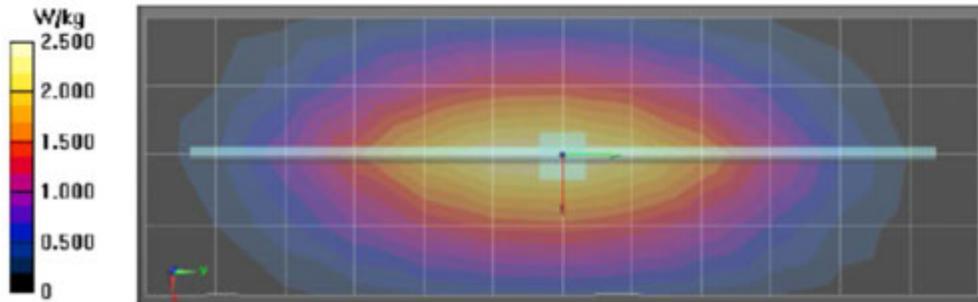
Measurement grid: dx=1.5mm, dy=1.5mm
 Maximum value of SAR (measured) = 2.48 W/kg

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 = 51.733 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 3.29 W/kg
 SAR(1 g) = 2.31 W/kg; SAR(10 g) = 1.53 W/kg (SAR corrected for target medium)

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) = 2.50 W/kg



Appendix E DUT Scans

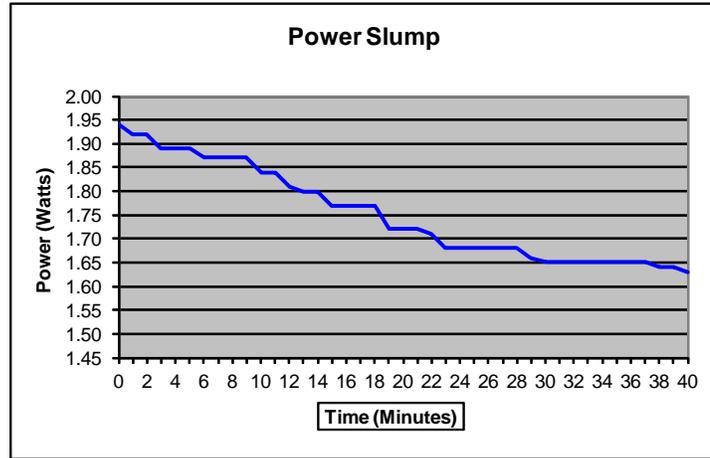
APPENDIX F
Shortened Scan of Highest SAR configuration

APPENDIX G DUT Power slump

Power Slump Model # : PMUF1620A
Serial # : 409TNZ0019

Battery: NNTN8020A **Transmit Mode:** MSPD
Frequency: 861.5 MHz **Audio Accessory:** NONE
Date: 1/20/2013

| Tx Time (Minutes) | Measure Power (Watts) |
|-------------------|-----------------------|
| 0.0 | 1.94 |
| 1.0 | 1.92 |
| 2.0 | 1.92 |
| 3.0 | 1.89 |
| 4.0 | 1.89 |
| 5.0 | 1.89 |
| 6.0 | 1.87 |
| 7.0 | 1.87 |
| 8.0 | 1.87 |
| 9.0 | 1.87 |
| 10.0 | 1.84 |
| 11.0 | 1.84 |
| 12.0 | 1.81 |
| 13.0 | 1.80 |
| 14.0 | 1.80 |
| 15.0 | 1.77 |
| 16.0 | 1.77 |
| 17.0 | 1.77 |
| 18.0 | 1.77 |
| 19.0 | 1.72 |
| 20.0 | 1.72 |
| 21.0 | 1.72 |
| 22.0 | 1.71 |
| 23.0 | 1.68 |
| 24.0 | 1.68 |
| 25.0 | 1.68 |
| 26.0 | 1.68 |
| 27.0 | 1.68 |
| 28.0 | 1.68 |
| 29.0 | 1.66 |
| 30.0 | 1.65 |
| 31.0 | 1.65 |
| 32.0 | 1.65 |
| 33.0 | 1.65 |
| 34.0 | 1.65 |
| 35.0 | 1.65 |
| 36.0 | 1.65 |
| 37.0 | 1.65 |
| 38.0 | 1.64 |
| 39.0 | 1.64 |
| 40.0 | 1.63 |



APPENDIX H
DUT Test Position Photos

Photos available in Exhibit 7B

APPENDIX I
DUT, Body worn and audio accessories Photos

Photos available in Exhibit 7B