MOTOROLA *SOLUTIONS*

CERTIFICATE 2518.05

DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 3 of 4

Motorola Solutions Inc. **EME Test Laboratory** Motorola Solutions Malaysia Sdn Bhd (Innoplex) Plot 2A, Medan Bayan Lepas, Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.	**Date of Report:** **06/14/2016** **Report Revision:** **C**

Responsible Engineer:	Saw Sun Hock, Veeramani Veerapan
Report Author:	Saw Sun Hock, Veeramani Veerapan
Date/s Tested:	3/30/2016 - 5/21/2016
Manufacturer:	Motorola Solutions Inc.
DUT Description:	Handheld Portable – APX6000 and APX6000XE refresh 7/800MHz 764-870 MHz
Test TX mode(s):	CW (PTT), Bluetooth, and WLAN 802.11b/g/n
Max. Power output:	2.95 W (764-805 MHz), 3.6 W (806-824 MHz), 10 mW (Bluetooth), 1.98 mW (Bluetooth LE), 63.1 mW (802.11b), 25.1 mW (802.11g), 15.5 mW (802.11n)
Nominal Power:	2.35 W (764-805 MHz), 3.0 W (806-824 MHz), 8 mW (Bluetooth), 1.5 mW (Bluetooth LE), 31.6 mW (802.11b), 12.5 mW (802.11g), 12.5 mW (802.11n)
Tx Frequency Bands:	LMR 764-805 MHz, 806-870 MHz ; Bluetooth 2402-2480 MHz; WLAN 2412-2462 MHz
Signaling type:	FM, TDMA, FHSS (Bluetooth), 802.11b/g/n (WLAN)
Model(s) Tested:	H98UCD9PW5BN (PMUF1877A)
Model(s) Certified:	H98UCD9PW5BN (PMUF1865A), H98UCD9PW5BN (PMUF1877A), H98UCH9PW7BN (PMUF1867A), H98UCH9PW7BN (PMUF1879A)
Serial Number(s):	756TSD0541, 756TSD0544
Classification:	Occupational/Controlled
FCC ID:	AZ489FT7086; LMR 764-775 MHz,794-824 MHz, 851-869 MHz, Bluetooth 2.402-2.480 GHz, WLAN 802.11 b/g/n 2.412-2.462 GHz This report contains results that are immaterial for FCC equipment approval, which are clearly identified.
IC:	109U-89FT7086; This report contains results that are immaterial for IC equipment approval, which are clearly identified.

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 OET Bulletin 65. 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 4.0 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.

Tiong

Tiong Nguk Ing
Deputy Technical Manager
Approval Date: 06/14/2016

Certification Date: 5/27/2016

Certification No.: L1160578P

Appendix D
System Verifications Check scans

Motorola Solutions, Inc. EME Laboratory
Date/Time: 3/30/2016 7:08:28 AM

Robot#: DASY5-PG-2 | Run#: AZ-SYSP-835B-160330-01
Dipole Model#　　　　　　　D835V2
Phantom#:　　　　　　　　　ELI4 1028
Tissue Temp:　　　　　　　　21.1 (C)
Serial#:　　　　　　　　　　4d029
Test Freq:　　　　　　　　　835.000 (MHz)
Start Power:　　　　　　　　250 (mW)
Rotation (1D):　　　　　　　0.180 dB
Adjusted SAR (1W):　　　　　9.60 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 0.99 S/m; ε_r = 53.2; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7364, , Frequency: 835 MHz, ConvF(9.2, 9.2, 9.2); Calibrated: 6/23/2015
Electronics: DAE4 Sn1483, Calibrated: 6/16/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 57.17 V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.6 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.07 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 57.17 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.60 W/kg
SAR(1 g) = 2.4 W/kg; SAR(10 g) = 1.57 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.08 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
grid: dx=20mm, dy=20mm, dz=10mm
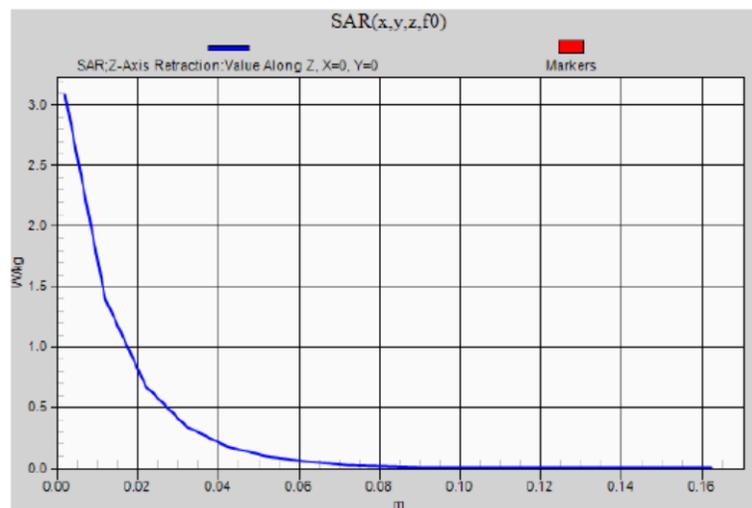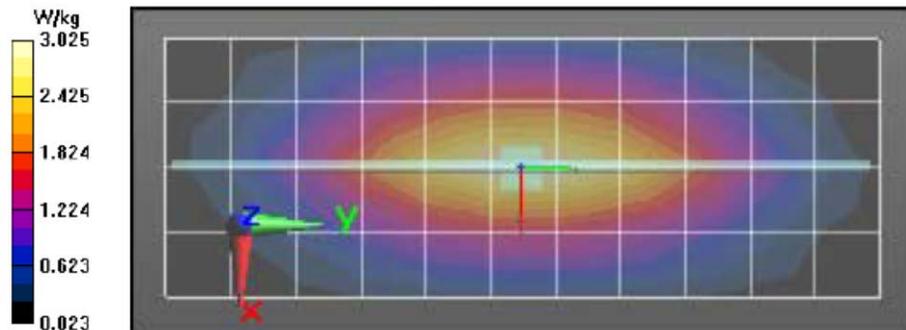
Motorola Solutions, Inc. EME Laboratory
Date/Time: 3/31/2016 7:36:46 AM

Robot#: DASY5-PG-2 | Run#: AZ-SYSP-835B-160331-01
Dipole Model#　　　　　D835V2
Phantom#:　　　　　　　ELI4 1028
Tissue Temp:　　　　　　21.5 (C)
Serial#:　　　　　　　　4d029
Test Freq:　　　　　　　835.000 (MHz)
Start Power:　　　　　　250 (mW)
Rotation (1D):　　　　　0.180 dB
Adjusted SAR (1W):　　　8.60 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 1.01 S/m; ε_r = 52.8; ρ = 1000 kg/m³
Probe: EX3DV4 - SN7364, , Frequency: 835 MHz, ConvF(9.2, 9.2, 9.2); Calibrated: 6/23/2015
Electronics: DAE4 Sn1483, Calibrated: 6/16/2015

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 55.88 V/m; Power Drift = -0.20 dB
Fast SAR: SAR(1 g) = 2.15 W/kg; SAR(10 g) = 1.41 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.75 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 55.88 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 3.31 W/kg
SAR(1 g) = 2.15 W/kg; SAR(10 g) = 1.4 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.83 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.88 W/kg
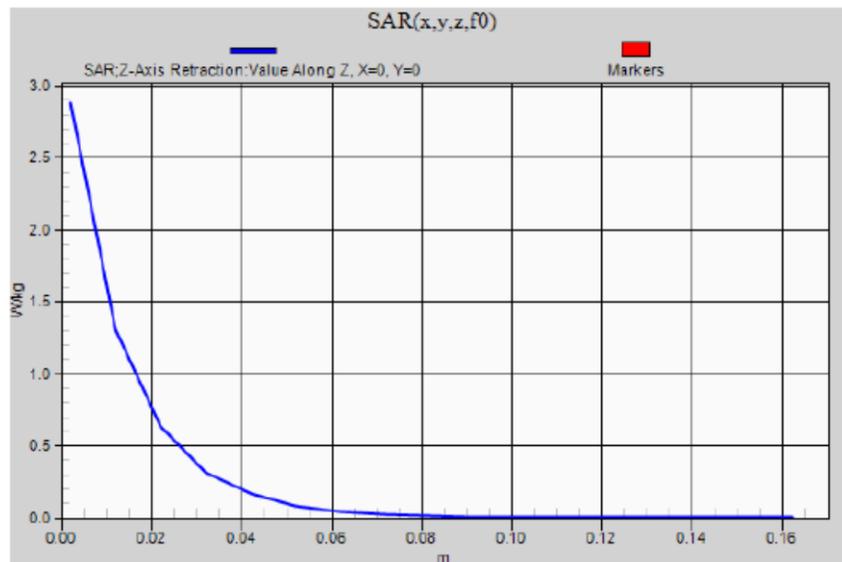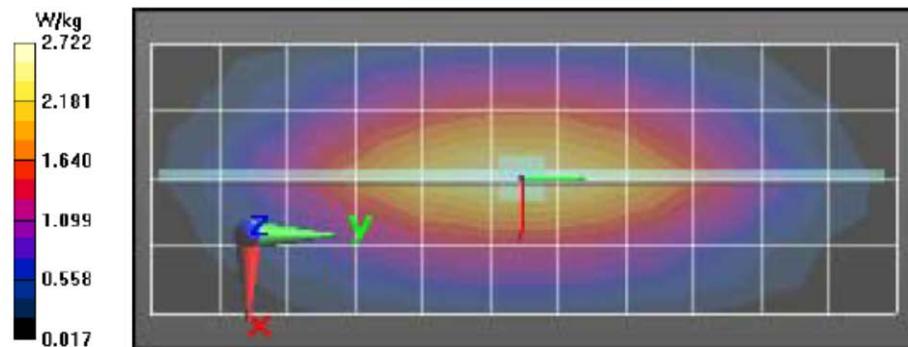
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/1/2016 7:23:12 AM

Robot#: DASY5-PG-2 | Run#:   AZ-SYSP-835B-160401-01
Dipole Model#:   D835V2
Phantom#:   ELI4 1028
Tissue Temp: 21.4 (C)
Serial#:   4d029
Test Freq: 835.000 (MHz)
Start Power: 250 (mW)
Rotation (1D):   0.170 dB
Adjusted SAR (1W):   9.68 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 1 S/m; ε_r = 52.8; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7364, , Frequency: 835 MHz, ConvF(9.2, 9.2, 9.2); Calibrated: 6/23/2015
Electronics: DAE4 Sn1483, Calibrated: 6/16/2015

**Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):**
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 57.26 V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.61 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.13 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 57.26 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.65 W/kg
SAR(1 g) = 2.42 W/kg; SAR(10 g) = 1.58 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.13 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.12 W/kg
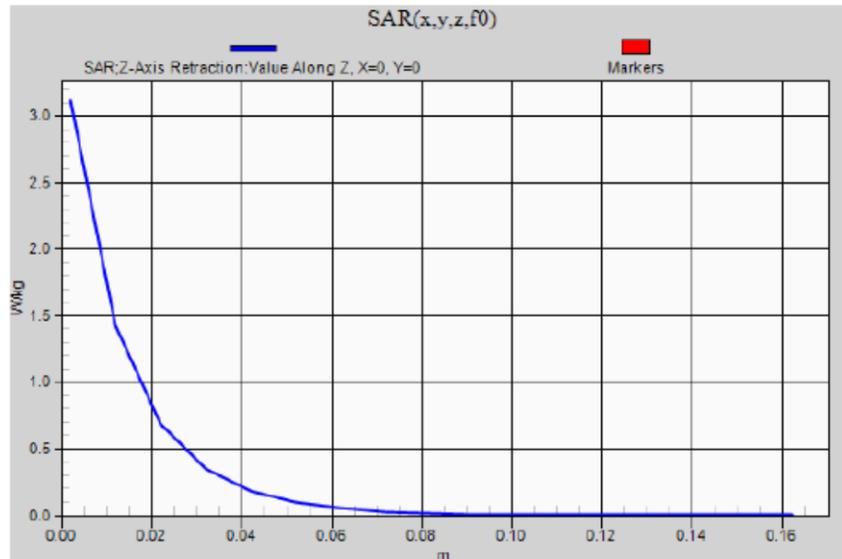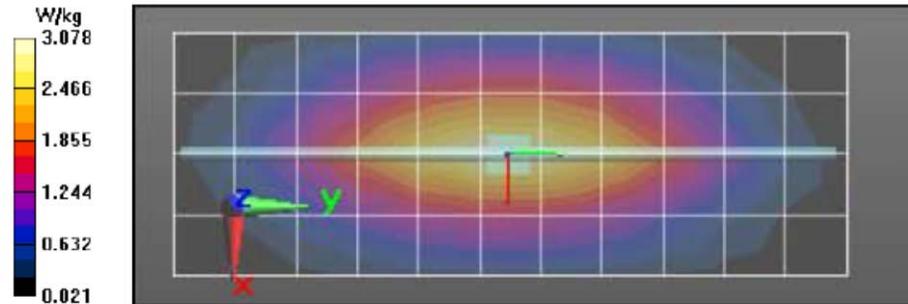
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/4/2016 7:11:41 AM

Robot#: DASY5-PG-2 | Run#:   AZ-SYSP-835B-160404-01
Dipole Model#   D835V2
Phantom#:   ELI4 1028
Tissue Temp: 21.6 (C)
Serial#:   4d029
Test Freq: 835.000 (MHz)
Start Power: 250 (mW)
Rotation (1D):   0.170 dB
Adjusted SAR (1W):   9.64 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 1 S/m; ε_r = 53.1; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7364, , Frequency: 835 MHz, ConvF(9.2, 9.2, 9.2); Calibrated: 6/23/2015
Electronics: DAE4 Sn1483, Calibrated: 6/16/2015

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 57.21 V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 2.45 W/kg; SAR(10 g) = 1.6 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.11 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 57.21 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.66 W/kg
SAR(1 g) = 2.41 W/kg; SAR(10 g) = 1.57 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.12 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.11 W/kg
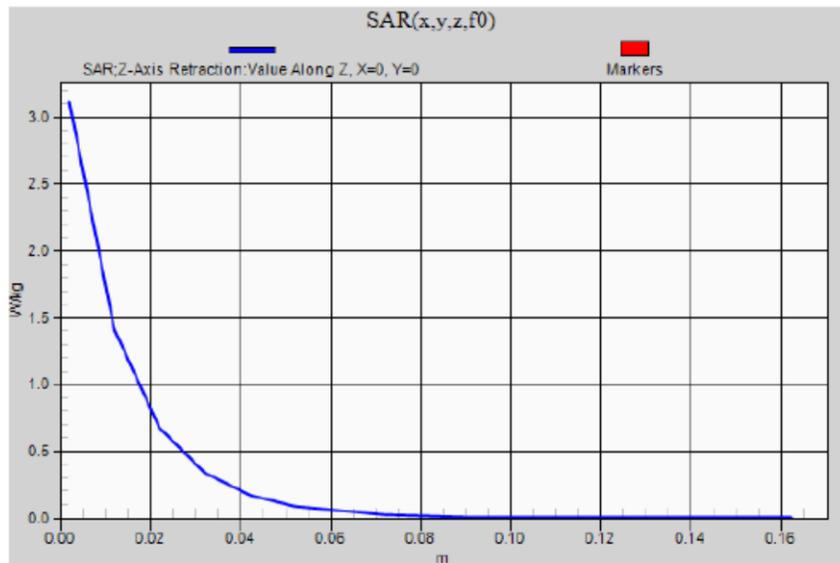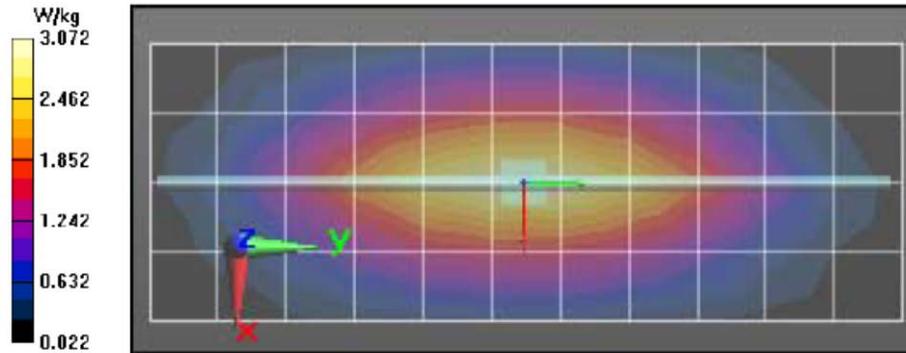
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/5/2016 6:50:56 AM

Robot#: DASY5-PG-2 | Run#:　AZ-SYSP-835B-160405-01
Dipole Model#　　　　　　　D835V2
Phantom#:　　　　　　　　　ELI4 1028
Tissue Temp:　　　　　　　　21.6 (C)
Serial#:　　　　　　　　　　4d029
Test Freq:　　　　　　　　　835.000 (MHz)
Start Power:　　　　　　　　250 (mW)
Rotation (1D):　　　　　　　0.180 dB
Adjusted SAR (1W):　　　　　9.56　mW/g　(1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 1 S/m; ε_r = 53.2; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7364, , Frequency: 835 MHz, ConvF(9.2, 9.2, 9.2); Calibrated: 6/23/2015
Electronics: DAE4 Sn1483, Calibrated: 6/16/2015

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 57.22 V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.6 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.10 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 57.22 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.62 W/kg
SAR(1 g) = 2.39 W/kg; SAR(10 g) = 1.56 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.09 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.10 W/kg
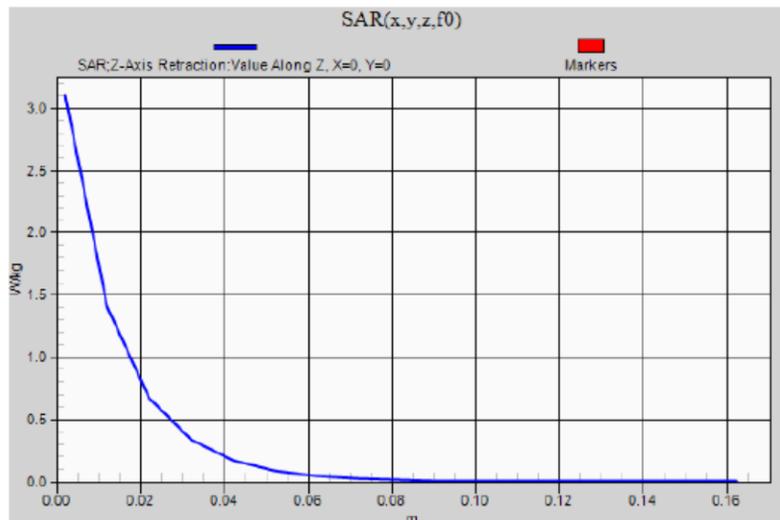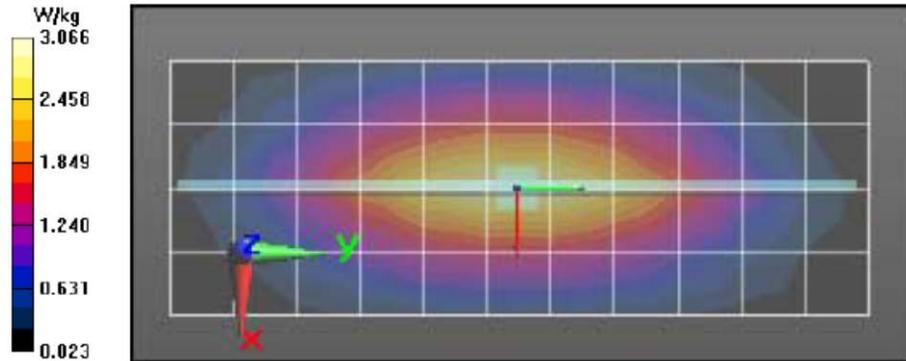
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/6/2016 8:00:17 AM

Robot#: DASY5-PG-2 | Run#:   AZ-SYSP-835B-160406-01
Dipole Model#   D835V2
Phantom#:   ELI4 1028
Tissue Temp: 21.3 (C)
Serial#:   4d029
Test Freq: 835.000 (MHz)
Start Power: 250 (mW)
Rotation (1D):   0.180 dB
Adjusted SAR (1W):   9.68 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 1.02 S/m; ε_r = 52.9; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7364, , Frequency: 835 MHz, ConvF(9.2, 9.2, 9.2); Calibrated: 6/23/2015
Electronics: DAE4 Sn1483, Calibrated: 6/16/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 57.20 V/m; Power Drift = -0.04 dB
Fast SAR: SAR(1 g) = 2.42 W/kg; SAR(10 g) = 1.6 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.13 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 57.20 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 3.71 W/kg
SAR(1 g) = 2.42 W/kg; SAR(10 g) = 1.59 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.18 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.19 W/kg
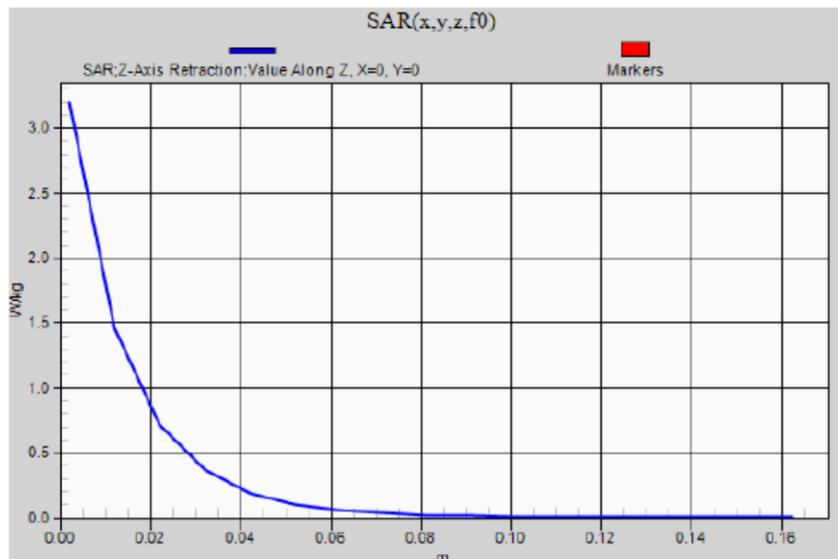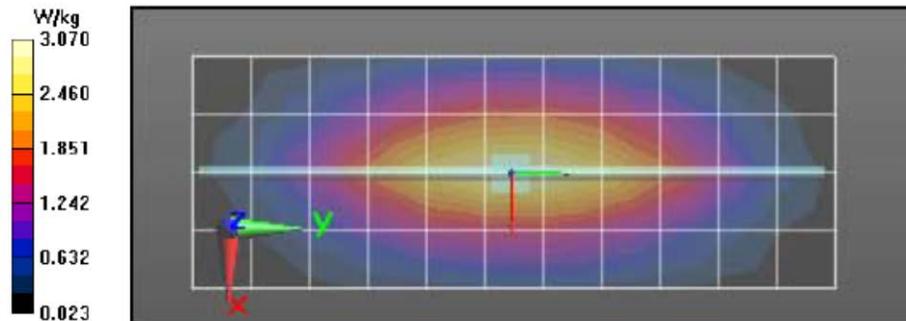
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/7/2016 8:05:34 AM

Robot#: DASY5-PG-2 | Run#:   AZ-SYSP-835B-160407-01
Dipole Model#   D835V2
Phantom#:   ELI4 1028
Tissue Temp: 21.5 (C)
Serial#:   4d029
Test Freq: 835.000 (MHz)
Start Power: 250 (mW)
Rotation (1D):   0.170 dB
Adjusted SAR (1W):   9.64 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 1.01 S/m; ε_r = 52.8; ρ = 1000 kg/m³
Probe: EX3DV4 - SN7364, , Frequency: 835 MHz, ConvF(9.2, 9.2, 9.2); Calibrated: 6/23/2015
Electronics: DAE4 Sn1483, Calibrated: 6/16/2015

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 57.27 V/m; Power Drift = -0.00 dB
Fast SAR: SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.6 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.12 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 57.27 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 3.64 W/kg
SAR(1 g) = 2.41 W/kg; SAR(10 g) = 1.59 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.13 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.14 W/kg
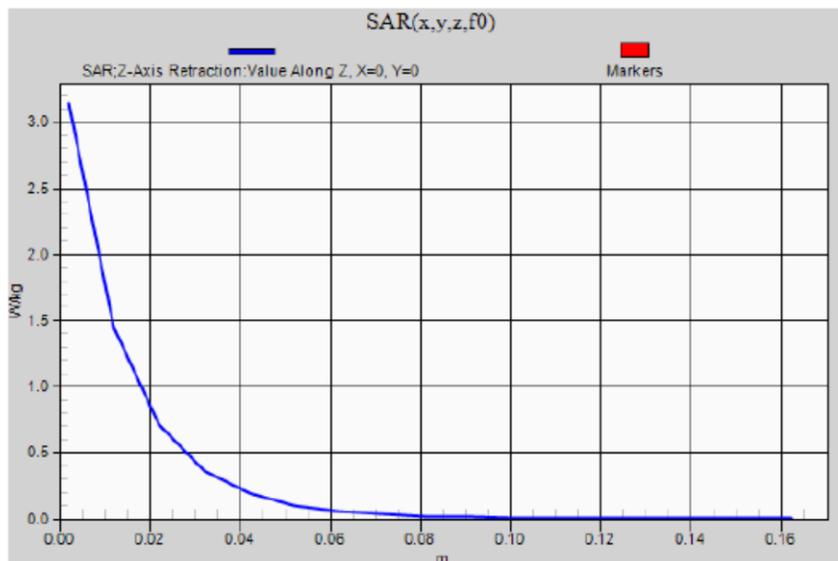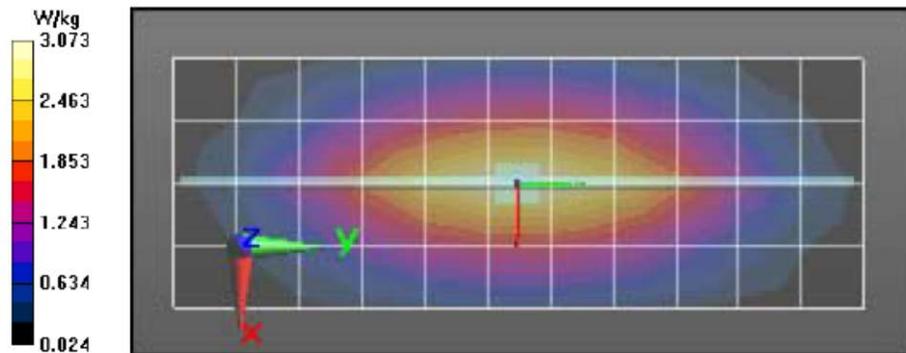
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/8/2016 8:39:17 AM

Robot#: DASY5-PG-2 | Run#: AZ-SYSP-835B-160408-08
Dipole Model#   D835V2
Phantom#:   ELI4 1028
Tissue Temp: 20.9 (C)
Serial#:   4d029
Test Freq: 835.000 (MHz)
Start Power: 250 (mW)
Rotation (1D):   0.180 dB
Adjusted SAR (1W):   9.76 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 1.01 S/m; $ε_r$ = 52.7; ρ = 1000 kg/m³
Probe: EX3DV4 - SN7364, , Frequency: 835 MHz, ConvF(9.2, 9.2, 9.2); Calibrated: 6/23/2015
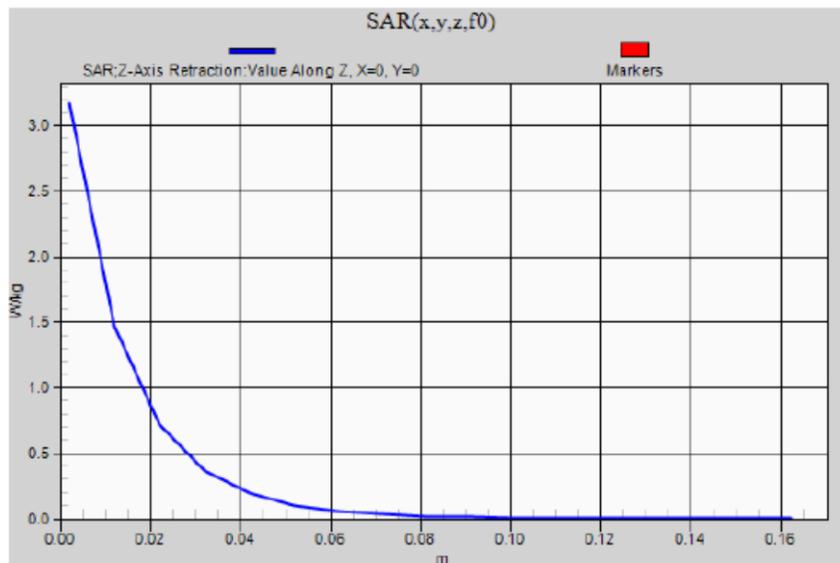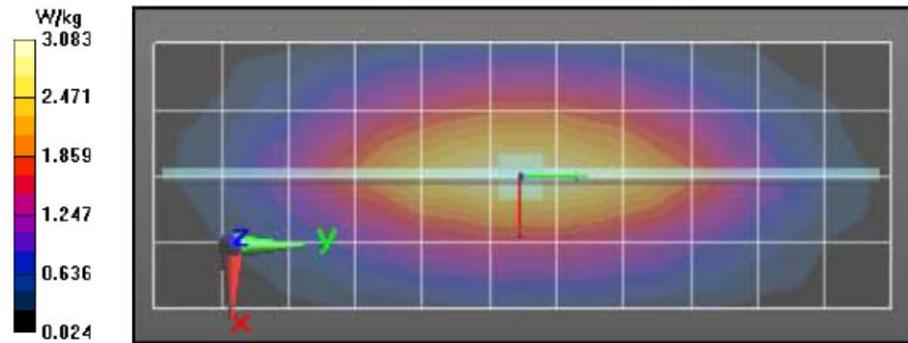Electronics: DAE4 Sn1483, Calibrated: 6/16/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 57.38 V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.61 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.15 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 57.38 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.69 W/kg
SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.61 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.17 W/kg

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

Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/11/2016 9:02:05 AM

Robot#: DASY5-PG-2 | Run#: AZ-SYSP-835B-160411-01
Dipole Model#   D835V2
Phantom#:   ELI4 1028
Tissue Temp: 21.2 (C)
Serial#:   4d029
Test Freq: 835.000 (MHz)
Start Power: 250 (mW)
Rotation (1D):   0.180 dB
Adjusted SAR (1W):   9.64 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 0.99 S/m; ε_r = 52.7; ρ = 1000 kg/m³
Probe: EX3DV4 - SN7364, , Frequency: 835 MHz, ConvF(9.2, 9.2, 9.2); Calibrated: 6/23/2015
Electronics: DAE4 Sn1483, Calibrated: 6/16/2015

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 57.38 V/m; Power Drift = 0.00 dB
Fast SAR: SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.6 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.08 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 57.38 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 3.60 W/kg
SAR(1 g) = 2.41 W/kg; SAR(10 g) = 1.59 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.09 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.10 W/kg
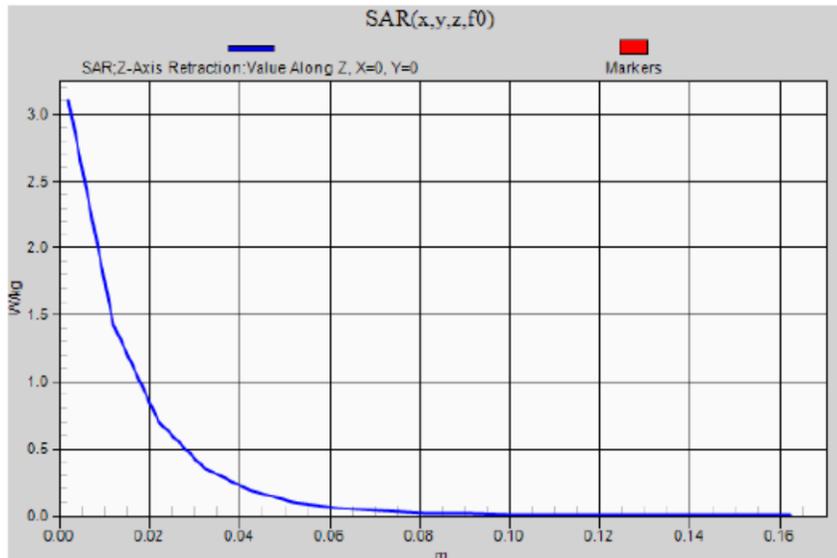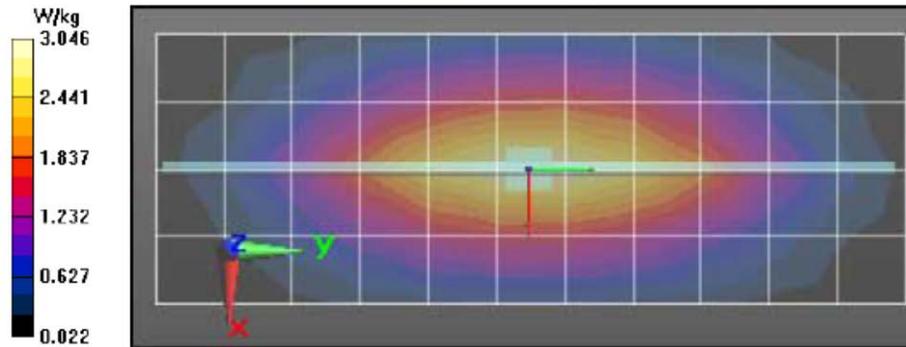
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/12/2016 8:51:02 AM

Robot#: DASY5-PG-2 | Run#: AZ-SYSP-835B-160412-11
Dipole Model#   D835V2
Phantom#:   ELI4 1028
Tissue Temp: 21.5 (C)
Serial#:   4d029
Test Freq: 835.000 (MHz)
Start Power: 250 (mW)
Rotation (1D):   0.180 dB
Adjusted SAR (1W):   9.72 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 1 S/m; ε_r = 52.5; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7364, , Frequency: 835 MHz, ConvF(9.2, 9.2, 9.2); Calibrated: 6/23/2015
Electronics: DAE4 Sn1483, Calibrated: 6/16/2015

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 57.44 V/m; Power Drift = -0.03 dB
Fast SAR: SAR(1 g) = 2.47 W/kg; SAR(10 g) = 1.62 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.14 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 57.44 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.66 W/kg
SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.6 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.14 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.16 W/kg
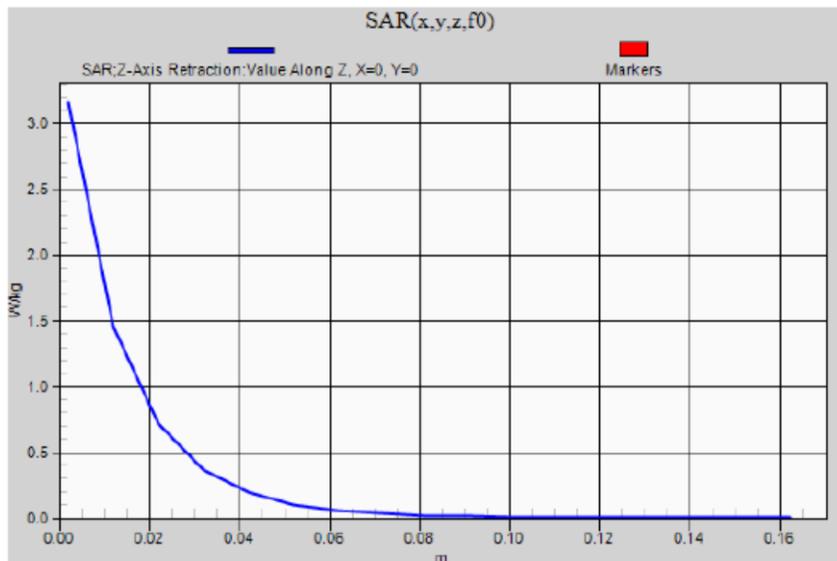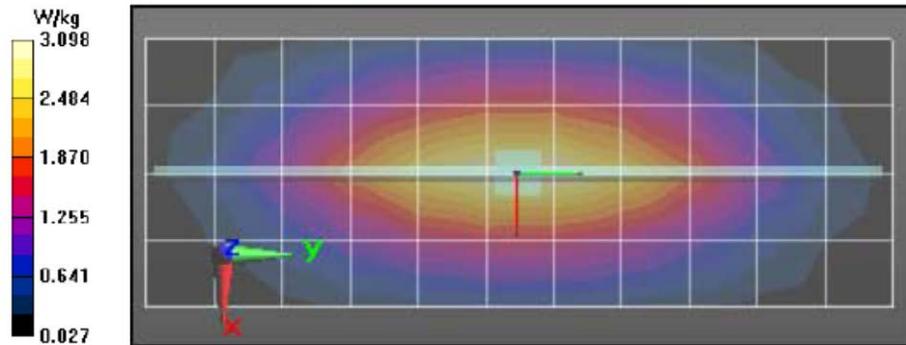
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/13/2016 9:45:49 AM

Robot#: DASY5-PG-1 | Run#:   AZ-SYSP-835B-160413-10
Dipole Model#   D835V2
Phantom#:   ELI4 1028
Tissue Temp: 21.3 (C)
Serial#:   4d029
Test Freq: 835.000 (MHz)
Start Power: 250 (mW)
Rotation (1D):   0.055 dB
Adjusted SAR (1W):   9.48 mW/g(1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 1 S/m; ϵ_r = 52.8; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3122, , Frequency: 835 MHz, ConvF(5.88, 5.88, 5.88); Calibrated: 6/19/2015
Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 55.18 V/m; Power Drift = -0.03 dB
Fast SAR: SAR(1 g) = 2.39 W/kg; SAR(10 g) = 1.58 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.86 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 55.18 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.66 W/kg
SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.55 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.86 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17):
Measurement grid: dx=20mm, dy=20mm, dz=10mm
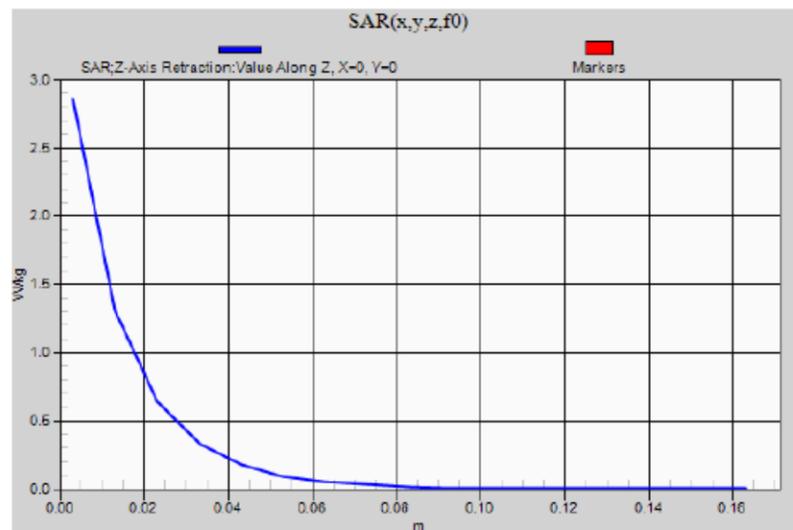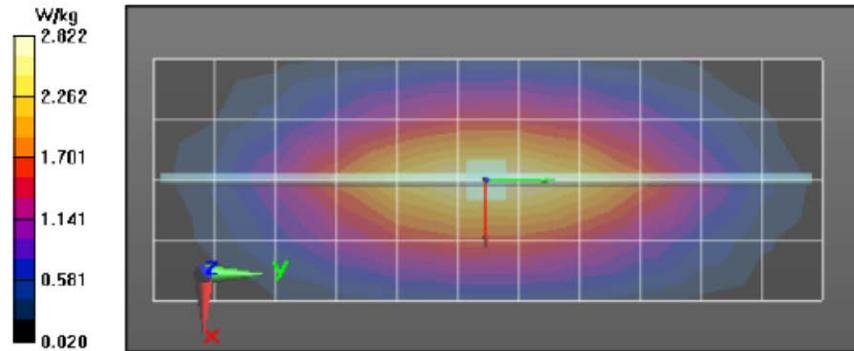
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/14/2016 8:25:07 AM

Robot#: DASY5-PG-1 | Run#:   AZ-SYSP-835B-160414-11
Dipole Model#   D835V2
Phantom#:   ELI4 1028
Tissue Temp: 20.9 (C)
Serial#:   4d029
Test Freq: 835.000 (MHz)
Start Power: 250 (mW)
Rotation (1D):   0.057 dB
Adjusted SAR (1W):   9.44 mW/g(1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 0.99 S/m; ϵ_r = 52.6; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3122, , Frequency: 835 MHz, ConvF(5.88, 5.88, 5.88); Calibrated: 6/19/2015
Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

**Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):**
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 55.07 V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.57 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.82 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 55.07 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.62 W/kg
SAR(1 g) = 2.36 W/kg; SAR(10 g) = 1.55 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.84 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17):
Measurement grid: dx=20mm, dy=20mm, dz=10mm
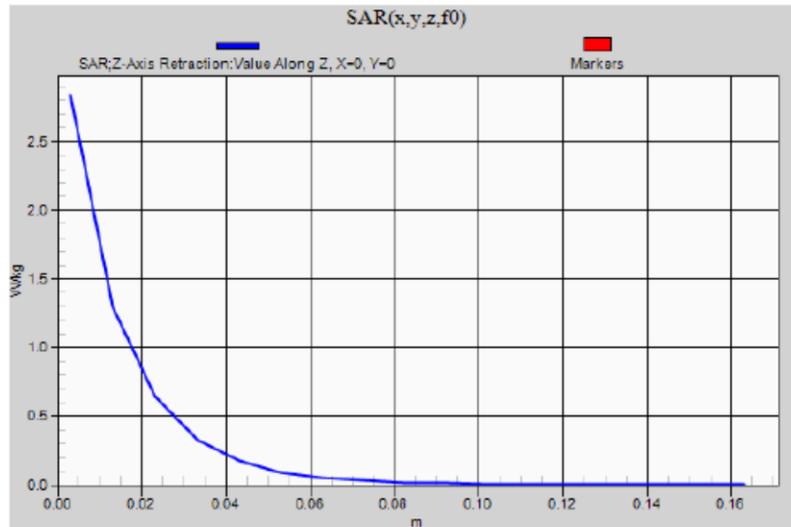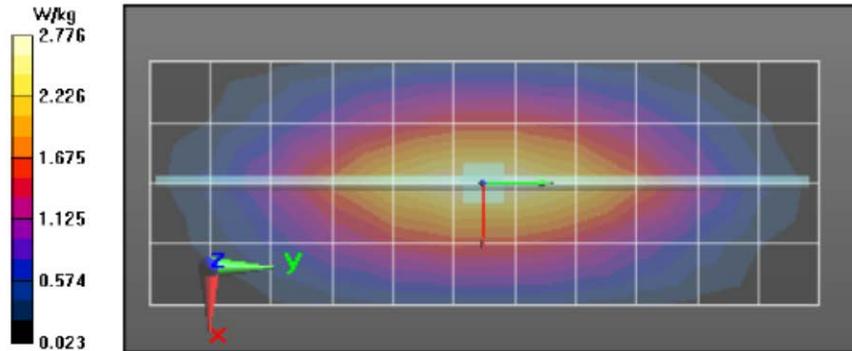
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/15/2016 8:31:59 AM

Robot#: DASY5-PG-1 | Run#:　　AZ-SYSP-835B-160415-10
Dipole Model#　　　　　　　　D835V2
Phantom#:　　　　　　　　　　ELI4 1028
Tissue Temp:　　　　　　　　　21.3 (C)
Serial#:　　　　　　　　　　　4d029
Test Freq:　　　　　　　　　　835.000 (MHz)
Start Power:　　　　　　　　　250 (mW)
Rotation (1D):　　　　　　　　0.058 dB
Adjusted SAR (1W):　　　　　　9.52 mW/g(1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 0.97 S/m; ε_r = 52.8; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3122, , Frequency: 835 MHz, ConvF(5.88, 5.88, 5.88); Calibrated: 6/19/2015
Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

**Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):**
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 55.39 V/m; Power Drift = -0.03 dB
Fast SAR: SAR(1 g) = 2.4 W/kg; SAR(10 g) = 1.58 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.80 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 55.39 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.62 W/kg
SAR(1 g) = 2.38 W/kg; SAR(10 g) = 1.55 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.83 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17):
Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.81 W/kg
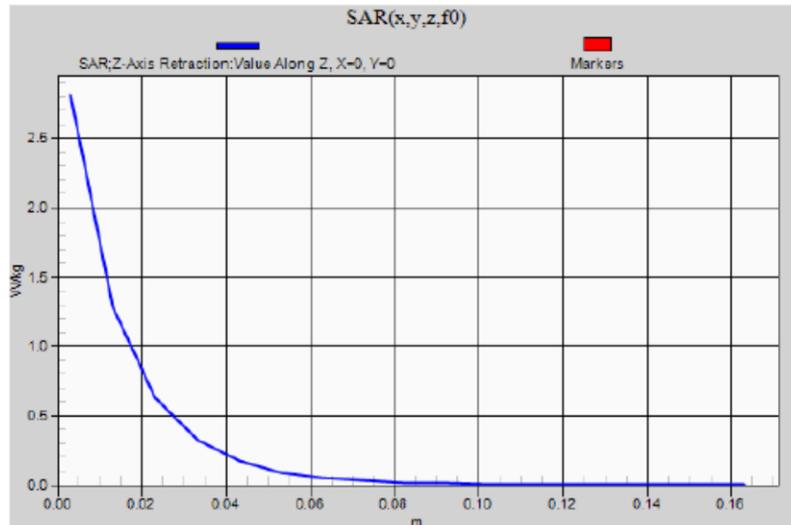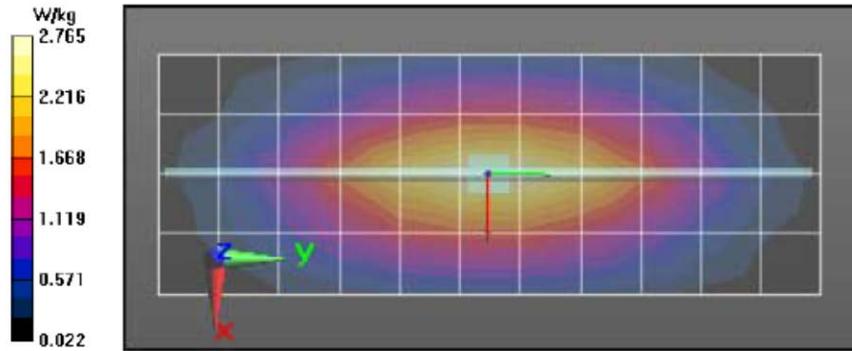
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/18/2016 9:13:12 AM

Robot#: DASY5-PG-1 | Run#:   MO-SYSP-835B-160418-01
Dipole Model#   D835V2
Phantom#:   ELI4 1028
Tissue Temp: 22.3 (C)
Serial#:   4d029
Test Freq: 835.000 (MHz)
Start Power: 250 (mW)
Rotation (1D):   0.055 dB
Adjusted SAR (1W):   9.52 mW/g(1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 1 S/m; ϵ_r = 52.6; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3122, , Frequency: 835 MHz, ConvF(5.88, 5.88, 5.88); Calibrated: 6/19/2015
Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 55.33 V/m; Power Drift = 0.02 dB
Fast SAR: SAR(1 g) = 2.41 W/kg; SAR(10 g) = 1.59 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.89 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 55.33 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.66 W/kg
SAR(1 g) = 2.38 W/kg; SAR(10 g) = 1.57 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.88 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17):
Measurement grid: dx=20mm, dy=20mm, dz=10mm
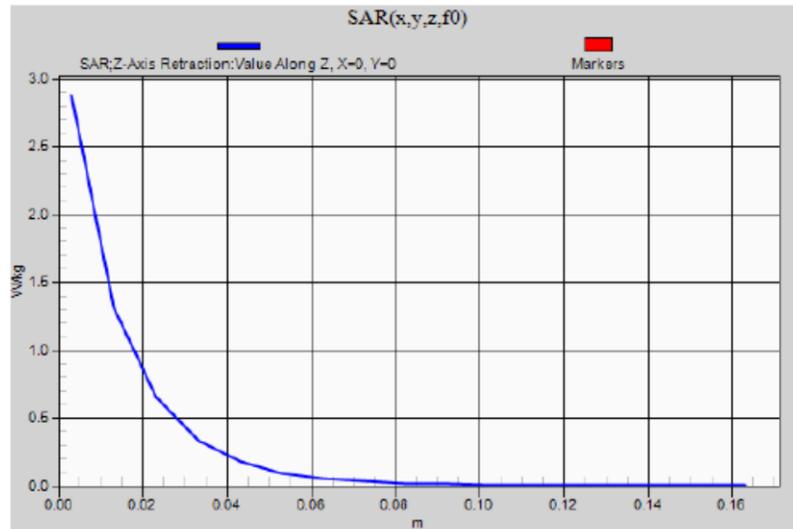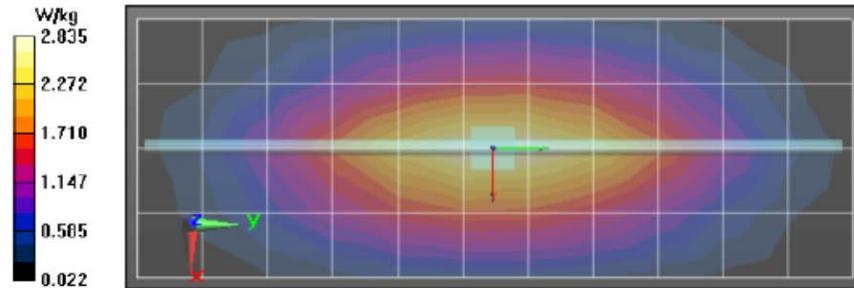
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/19/2016 8:56:50 AM

Robot#: DASY5-PG-1 | Run#:	MO-SYSP-835B-160419-11
Dipole Model#	D835V2
Phantom#:	ELI4 1028
Tissue Temp:	22.0 (C)
Serial#:	4d029
Test Freq:	835.000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.06 dB
Adjusted SAR (1W):	9.20mW/g(1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 0.99 S/m; ϵ_r = 53.1; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3122, , Frequency: 835 MHz, ConvF(5.88, 5.88, 5.88); Calibrated: 6/19/2015
Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 54.03 V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 2.31 W/kg; SAR(10 g) = 1.52 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.74 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 54.03 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.52 W/kg
SAR(1 g) = 2.3 W/kg; SAR(10 g) = 1.5 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.76 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17):
Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.77 W/kg
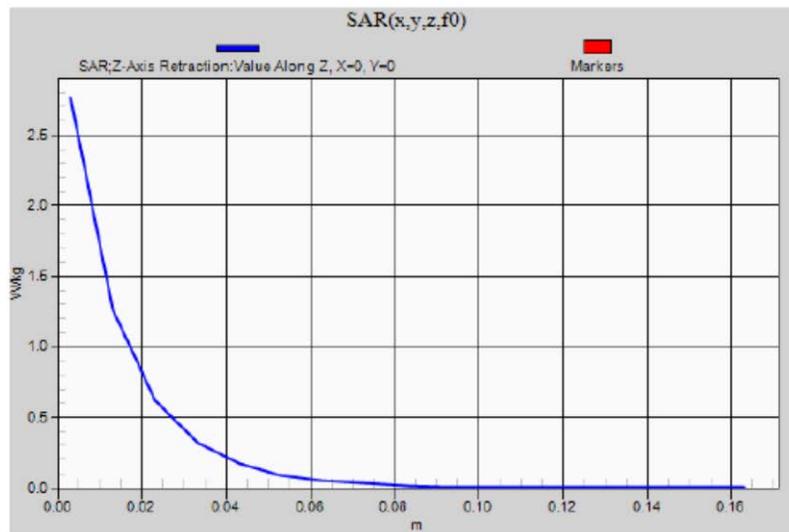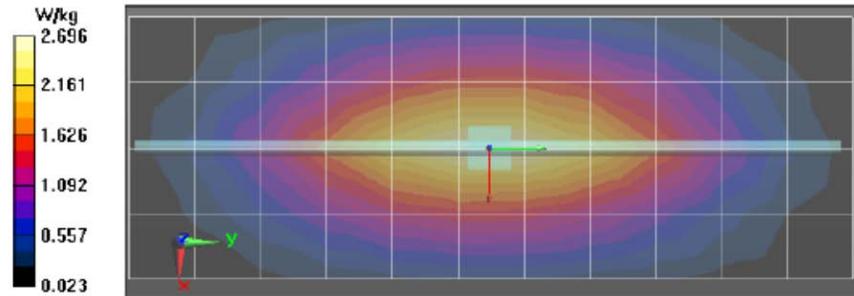
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/20/2016 9:17:29 AM

Robot#: DASY5-PG-1 | Run#:   FIE-SYSP-835B-160420-11
Dipole Model#   D835V2
Phantom#:   ELI4 1028
Tissue Temp: 21.4 (C)
Serial#:   4d029
Test Freq: 835.000 (MHz)
Start Power: 250 (mW)
Rotation (1D):   0.052 dB
Adjusted SAR (1W):   8.72 mW/g(1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 0.99 S/m; ε_r = 53.2; ρ = 1000 kg/m³
Probe: ES3DV3 - SN3122, , Frequency: 835 MHz, ConvF(5.88, 5.88, 5.88); Calibrated: 6/19/2015
Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 52.91 V/m; Power Drift = -0.03 dB
Fast SAR: SAR(1 g) = 2.21 W/kg; SAR(10 g) = 1.45 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.61 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 52.91 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.35 W/kg
SAR(1 g) = 2.18 W/kg; SAR(10 g) = 1.43 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.63 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17):
Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.62 W/kg
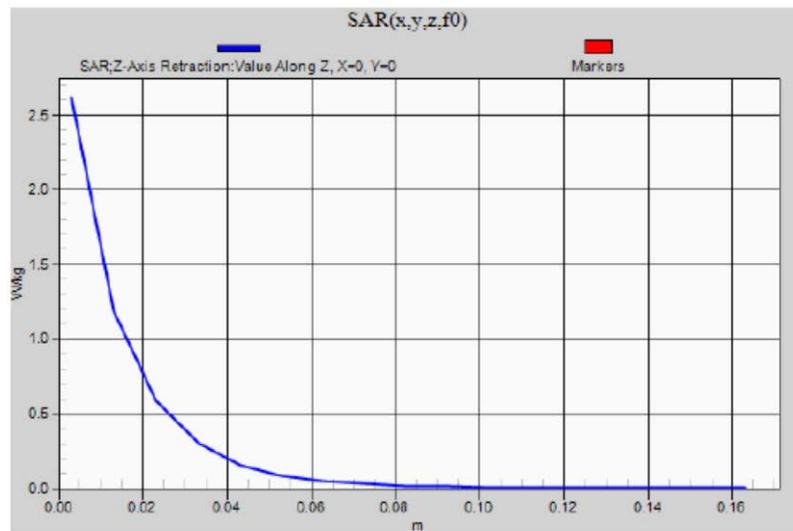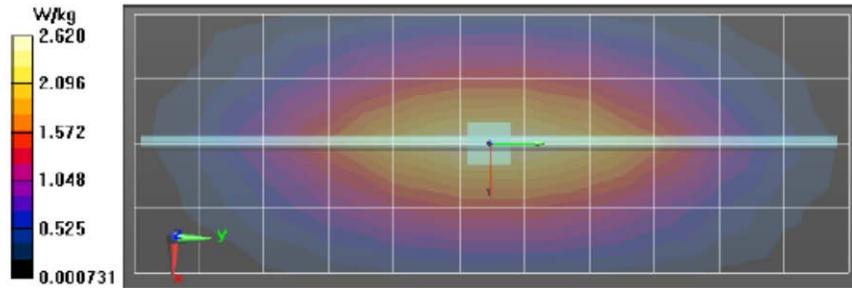
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/21/2016 12:54:37 AM

Robot#: DASY5-PG-1 | Run#:   AZ-SYSP-835B-160421-01
Dipole Model#   D835V2
Phantom#:   ELI4 1028
Tissue Temp: 20.5 (C)
Serial#:   4d029
Test Freq: 835.000 (MHz)
Start Power: 250 (mW)
Rotation (1D):   0.120 dB
Adjusted SAR (1W):   8.96 mW/g(1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 1.01 S/m; ε_r = 52.6; ρ = 1000 kg/m³
Probe: ES3DV3 - SN3122, , Frequency: 835 MHz, ConvF(5.88, 5.88, 5.88); Calibrated: 6/19/2015
Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 53.40 V/m; Power Drift = -0.05 dB
Fast SAR: SAR(1 g) = 2.26 W/kg; SAR(10 g) = 1.49 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.73 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 53.40 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 3.49 W/kg
SAR(1 g) = 2.24 W/kg; SAR(10 g) = 1.47 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.73 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17):
Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.74 W/kg
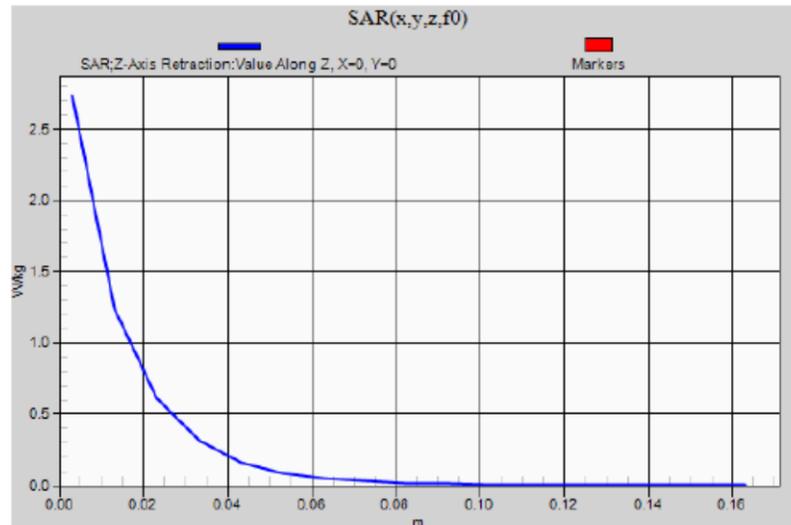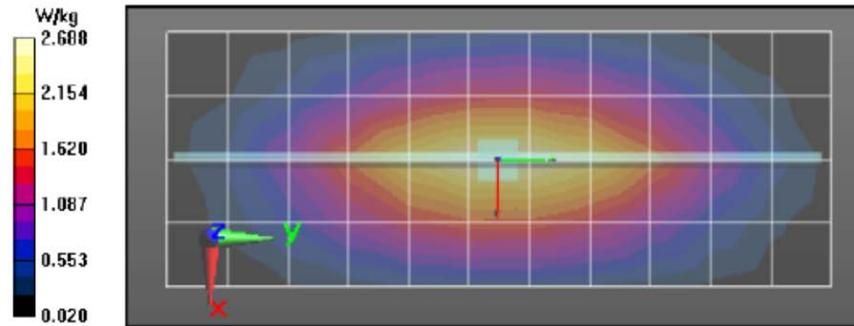
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/22/2016 12:43:42 AM

Robot#: DASY5-PG-1 | Run#:   AZ-SYSP-835B-160422-01
Dipole Model#   D835V2
Phantom#:   ELI4 1028
Tissue Temp: 20.6 (C)
Serial#:   4d029
Test Freq: 835.000 (MHz)
Start Power: 250 (mW)
Rotation (1D):   0.067 dB
Adjusted SAR (1W):   8.92 mW/g(1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 1.00 S/m; ε_r = 52.5; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3122, , Frequency: 835 MHz, ConvF(5.88, 5.88, 5.88); Calibrated: 6/19/2015
Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

**Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):**
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 53.46 V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 2.25 W/kg; SAR(10 g) = 1.49 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.69 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 53.46 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.45 W/kg
SAR(1 g) = 2.23 W/kg; SAR(10 g) = 1.46 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.70 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17):
Measurement grid: dx=20mm, dy=20mm, dz=10mm
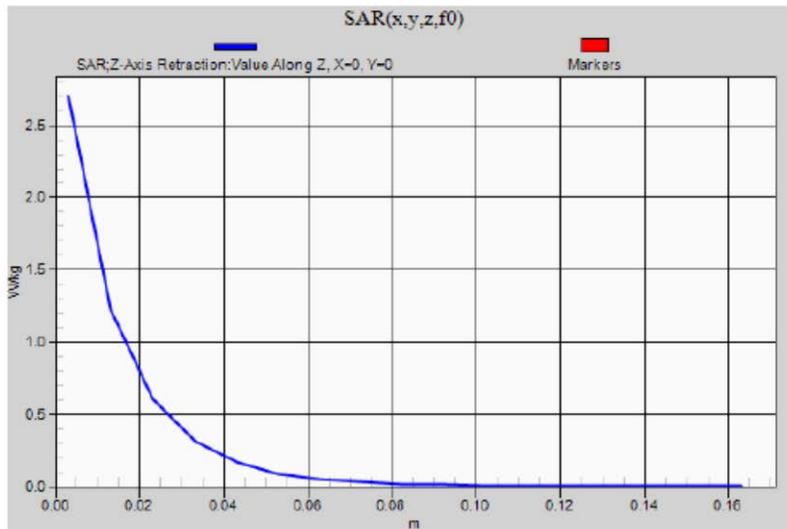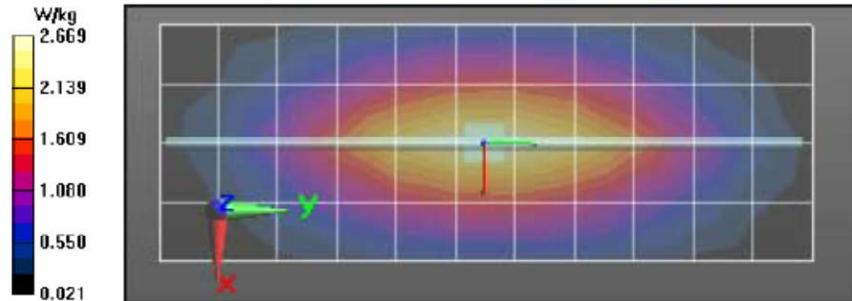
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/23/2016 1:00:00 AM

Robot#: DASY5-PG-1 | Run#:   AZ-SYSP-835B-160423-01
Dipole Model#   D835V2
Phantom#:   ELI4 1028
Tissue Temp: 20.1 (C)
Serial#:   4d029
Test Freq: 835.000 (MHz)
Start Power: 250 (mW)
Rotation (1D):   0.070 dB
Adjusted SAR (1W):   8.88 mW/g(1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 1.01 S/m; ε_r = 52.5; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3122, , Frequency: 835 MHz, ConvF(5.88, 5.88, 5.88); Calibrated: 6/19/2015
Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 53.25 V/m; Power Drift = -0.00 dB
Fast SAR: SAR(1 g) = 2.25 W/kg; SAR(10 g) = 1.49 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.71 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 53.25 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 3.47 W/kg
SAR(1 g) = 2.22 W/kg; SAR(10 g) = 1.46 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.72 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17):
Measurement grid: dx=20mm, dy=20mm, dz=10mm
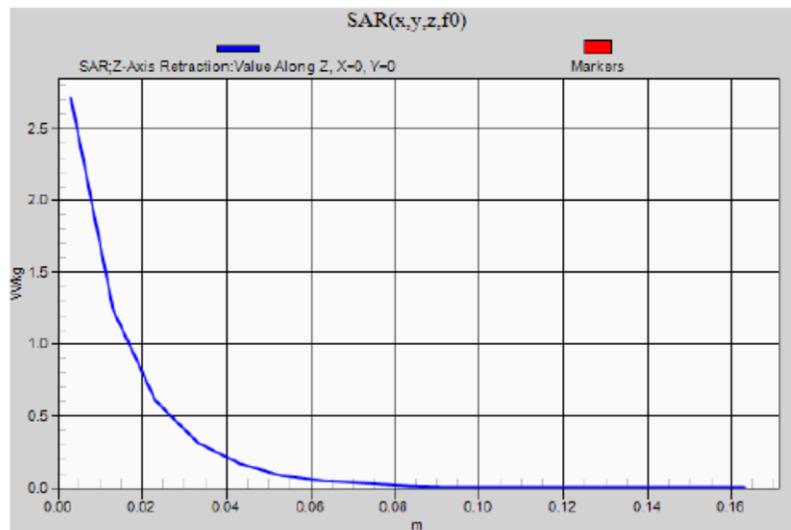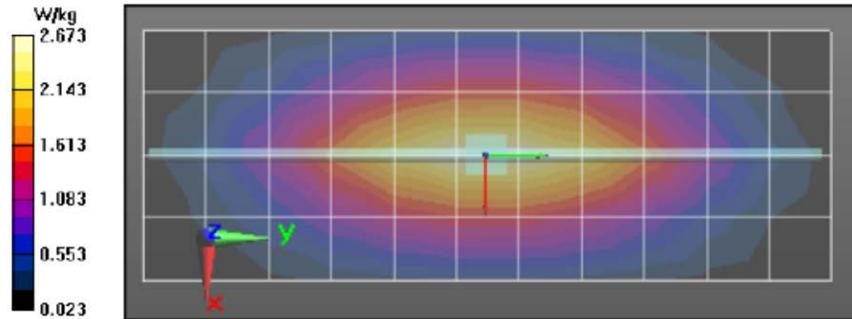
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/24/2016 7:23:06 AM

Robot#: DASY5-PG-1 | Run#:　　AZ-SYSP-835B-160424-01
Dipole Model#　　　　　　　　D835V2
Phantom#:　　　　　　　　　　ELI4 1028
Tissue Temp:　　　　　　　　　21.3 (C)
Serial#:　　　　　　　　　　　4d029
Test Freq:　　　　　　　　　　835.000 (MHz)
Start Power:　　　　　　　　　250 (mW)
Rotation (1D):　　　　　　　　0.054 dB
Adjusted SAR (1W):　　　　　　8.88 mW/g(1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 835$ MHz; $\sigma = 1.01$ S/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³
Probe: ES3DV3 - SN3122, , Frequency: 835 MHz, ConvF(5.88, 5.88, 5.88); Calibrated: 6/19/2015
Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

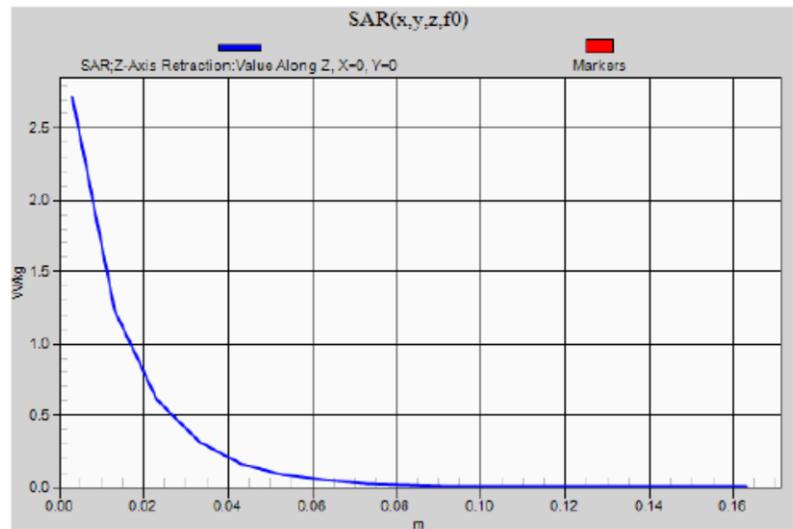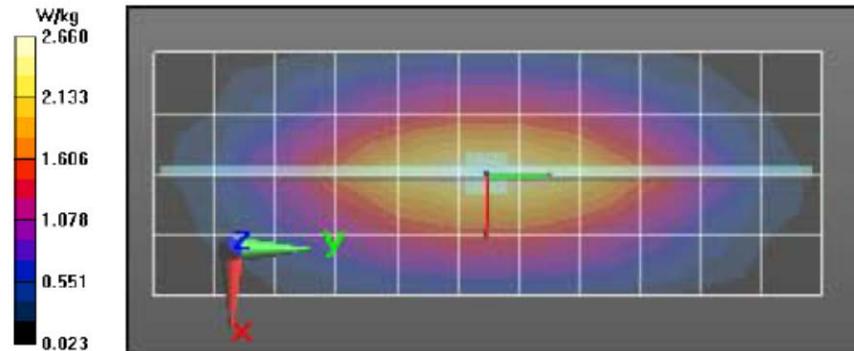### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 53.20 V/m; Power Drift = -0.04 dB
Fast SAR: SAR(1 g) = 2.24 W/kg; SAR(10 g) = 1.48 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.70 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 53.20 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 3.47 W/kg
SAR(1 g) = 2.22 W/kg; SAR(10 g) = 1.46 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.72 W/kg

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

Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/25/2016 9:13:07 AM

Robot#: DASY5-PG-1 | Run#:   AZ-SYSP-835B-160425-01
Dipole Model#:   D835V2
Phantom#:   ELI4 1028
Tissue Temp: 21.2 (C)
Serial#:   4d029
Test Freq: 835.000 (MHz)
Start Power: 250 (mW)
Rotation (1D):   0.060 dB
Adjusted SAR (1W):   8.80 mW/g(1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 1.00 S/m; ϵ_r = 53.8; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3122, , Frequency: 835 MHz, ConvF(5.88, 5.88, 5.88); Calibrated: 6/19/2015
Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

**Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):**
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 53.16 V/m; Power Drift = -0.06 dB
Fast SAR: SAR(1 g) = 2.23 W/kg; SAR(10 g) = 1.47 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.66 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 53.16 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 3.42 W/kg
SAR(1 g) = 2.2 W/kg; SAR(10 g) = 1.44 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.66 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17):
Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.65 W/kg
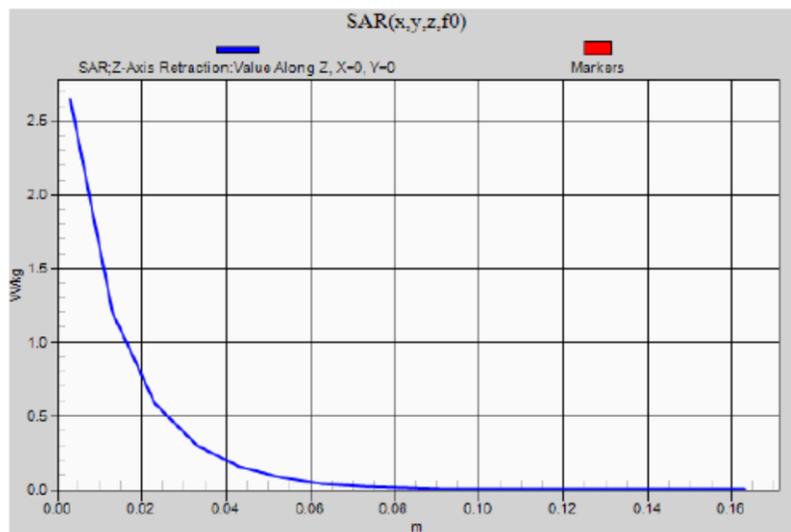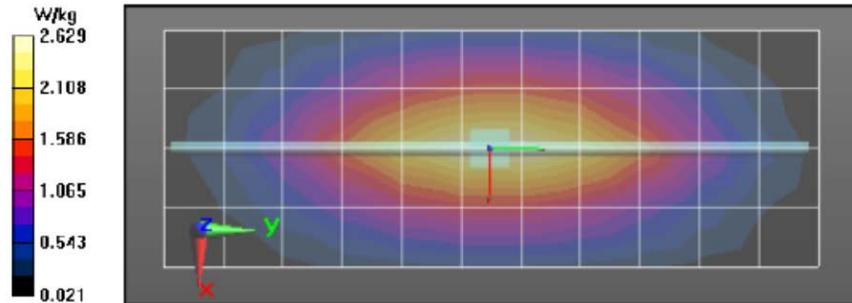
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/26/2016 8:27:33 AM

Robot#: DASY5-PG-1 | Run#:   AZ-SYSP-835B-160426-11
Dipole Model#   D835V2
Phantom#:   ELI4 1028
Tissue Temp: 20.8 (C)
Serial#:   4d029
Test Freq: 835.000 (MHz)
Start Power: 250 (mW)
Rotation (1D):   0.053 dB
Adjusted SAR (1W):   8.96 mW/g(1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 1.00 S/m; ε_r = 53.7; ρ = 1000 kg/m³
Probe: ES3DV3 - SN3122, , Frequency: 835 MHz, ConvF(5.88, 5.88, 5.88); Calibrated: 6/19/2015
Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 53.11 V/m; Power Drift = 0.03 dB
Fast SAR: SAR(1 g) = 2.25 W/kg; SAR(10 g) = 1.48 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.68 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 53.11 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.46 W/kg
SAR(1 g) = 2.24 W/kg; SAR(10 g) = 1.46 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.70 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17):
Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.69 W/kg
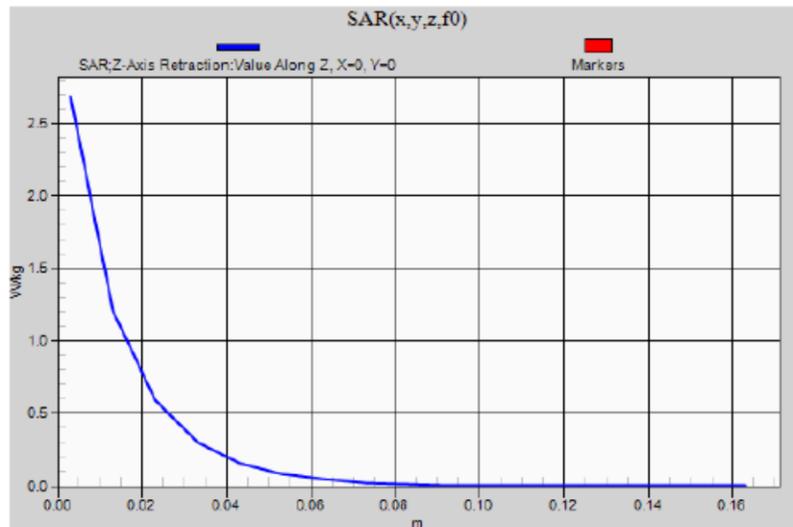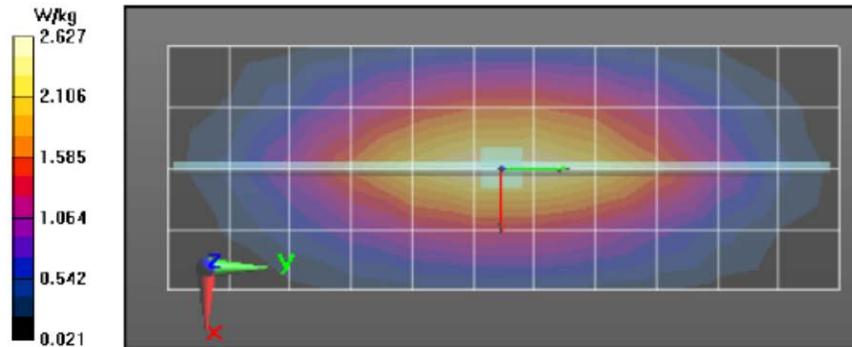
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/27/2016 8:42:43 AM

Robot#: DASY5-PG-1 | Run#:　AZ-SYSP-835B-160427-11
Dipole Model#　　　　　　　D835V2
Phantom#:　　　　　　　　　ELI4 1028
Tissue Temp:　　　　　　　　20.6 (C)
Serial#:　　　　　　　　　　4d029
Test Freq:　　　　　　　　　835.000 (MHz)
Start Power:　　　　　　　　250 (mW)
Rotation (1D):　　　　　　　0.059 dB
Adjusted SAR (1W):　　　　　8.92 mW/g(1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 1.00 S/m; ε_r = 53.3; ρ = 1000 kg/m³
Probe: ES3DV3 - SN3122, , Frequency: 835 MHz, ConvF(5.88, 5.88, 5.88); Calibrated: 6/19/2015
Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):
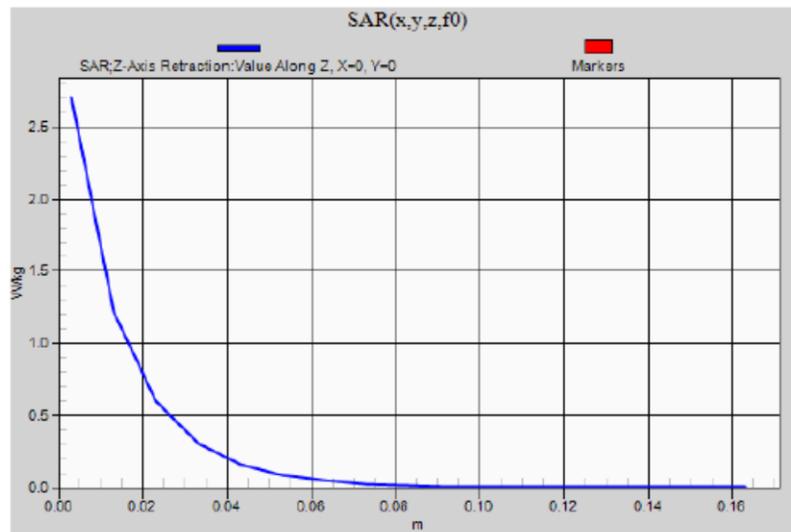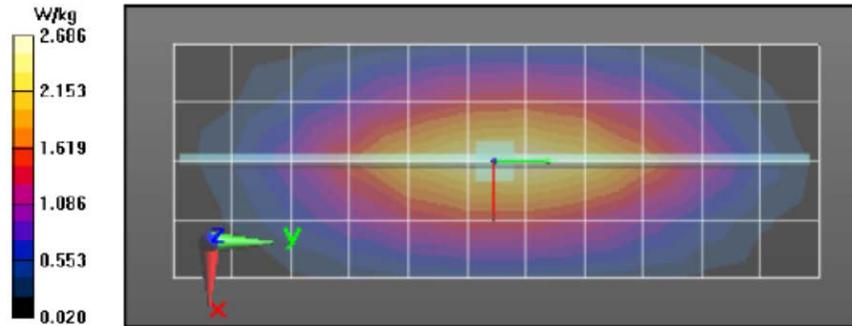Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 53.47 V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 2.26 W/kg; SAR(10 g) = 1.49 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.70 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 53.47 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.45 W/kg
SAR(1 g) = 2.23 W/kg; SAR(10 g) = 1.46 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.70 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17):
Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.71 W/kg

Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/27/2016 5:41:51 PM

Robot#: DASY5-PG-1 | Run#:　　AZ-SYSP-835H-160427-18
Dipole Model#　　　　　　　　D835V2
Phantom#:　　　　　　　　　　ELI5 1150
Tissue Temp:　　　　　　　　20.9 (C)
Serial#:　　　　　　　　　　　4d029
Test Freq:　　　　　　　　　835.000 (MHz)
Start Power:　　　　　　　　250 (mW)
Rotation (1D):　　　　　　　0.064 dB
Adjusted SAR (1W):　　　　　8.56 mW/g(1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 0.92 S/m; ε_r = 41.1; ρ = 1000 kg/m³
Probe: ES3DV3 - SN3122, , Frequency: 835 MHz, ConvF(6.02, 6.02, 6.02); Calibrated: 6/19/2015
Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 54.51 V/m; Power Drift = -0.04 dB
Fast SAR: SAR(1 g) = 2.18 W/kg; SAR(10 g) = 1.44 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.57 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 54.51 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 3.29 W/kg
SAR(1 g) = 2.14 W/kg; SAR(10 g) = 1.39 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.57 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17):
Measurement grid: dx=20mm, dy=20mm, dz=10mm
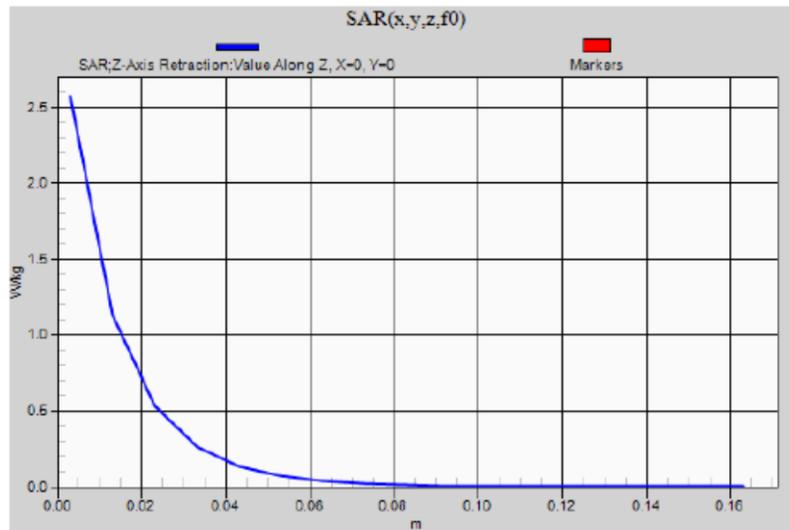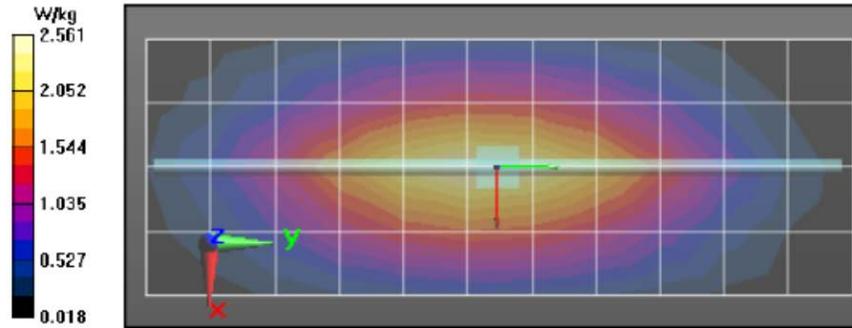
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/28/2016 2:12:37 PM

Robot#: DASY5-PG-1 | Run#:　　AZ-SYSP-835H-160428-17
Dipole Model#　　　　　　　　D835V2
Phantom#:　　　　　　　　　　ELI5 1150
Tissue Temp:　　　　　　　　　20.2 (C)
Serial#:　　　　　　　　　　　4d029
Test Freq:　　　　　　　　　　835.000 (MHz)
Start Power:　　　　　　　　　250 (mW)
Rotation (1D):　　　　　　　　0.042 dB
Adjusted SAR (1W):　　　　　　 8.52 mW/g(1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 0.92 S/m; ϵ_r = 40.3; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3122, , Frequency: 835 MHz, ConvF(6.02, 6.02, 6.02); Calibrated: 6/19/2015
Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 55.11 V/m; Power Drift = -0.09 dB
Fast SAR: SAR(1 g) = 2.17 W/kg; SAR(10 g) = 1.43 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.58 W/kg

**Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x12x1):**
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.58 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 55.11 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 3.29 W/kg
SAR(1 g) = 2.13 W/kg; SAR(10 g) = 1.38 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.57 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17):
Measurement grid: dx=20mm, dy=20mm, dz=10mm
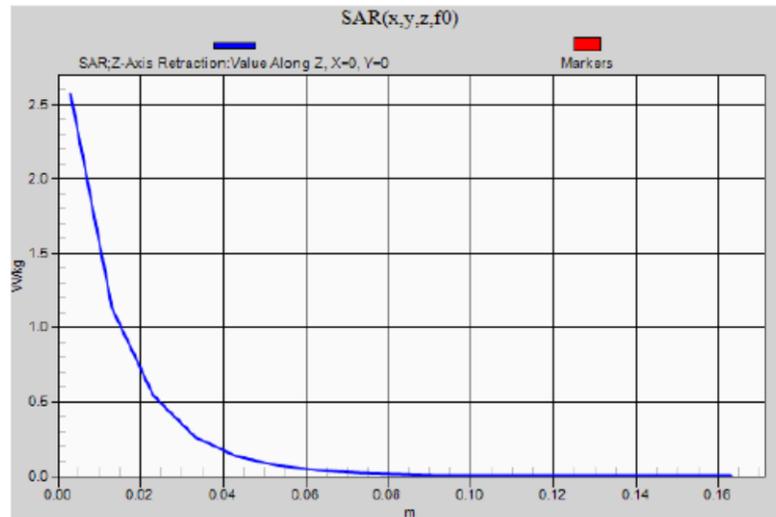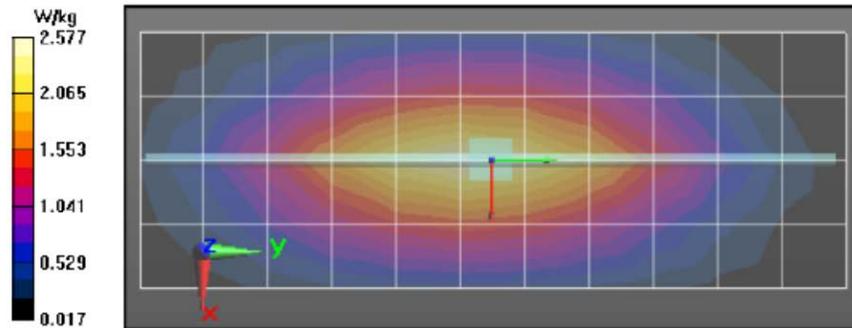
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/29/2016 2:57:31 PM

Robot#: DASY5-PG-1 | Run#:   AZ-SYSP-835H-160429-13
Dipole Model#   D835V2
Phantom#:   ELI5 1150
Tissue Temp: 19.9 (C)
Serial#:   4d029
Test Freq: 835.000 (MHz)
Start Power: 250 (mW)
Rotation (1D):   0.065 dB
Adjusted SAR (1W):   8.72 mW/g(1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 0.92 S/m; ϵ_r = 40.1; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3122, , Frequency: 835 MHz, ConvF(6.02, 6.02, 6.02); Calibrated: 6/19/2015
Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 55.88 V/m; Power Drift = -0.14 dB
Fast SAR: SAR(1 g) = 2.24 W/kg; SAR(10 g) = 1.48 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.65 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 55.88 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 3.36 W/kg
SAR(1 g) = 2.18 W/kg; SAR(10 g) = 1.41 W/kg (SAR corrected for target medium)

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17):
Measurement grid: dx=20mm, dy=20mm, dz=10mm
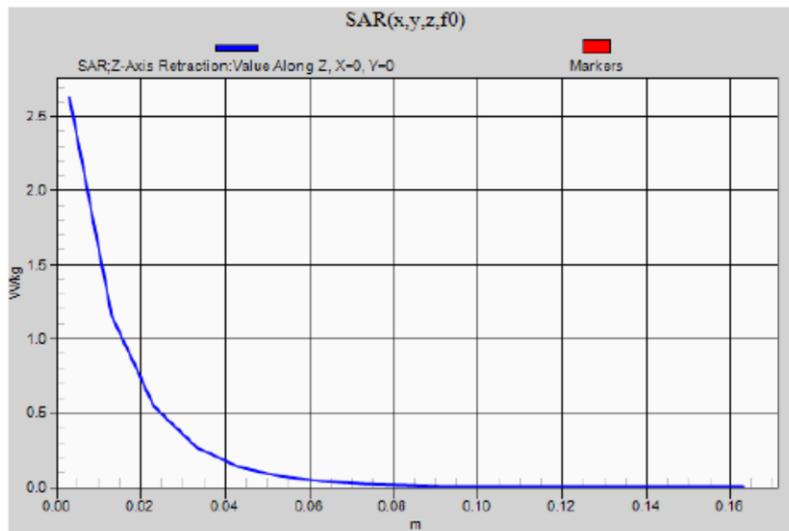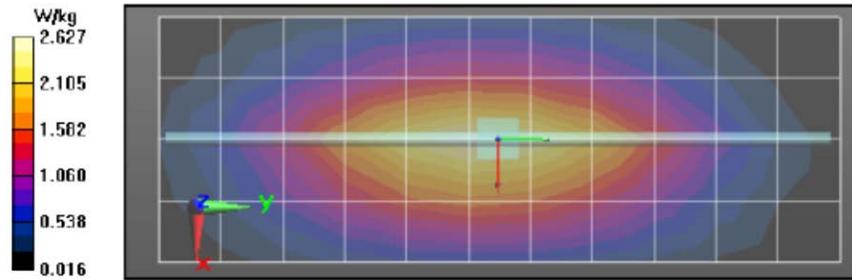
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/30/2016 7:25:33 PM

Robot#: DASY5-PG-1 | Run#:　　MO-SYSP-835H-160430-20
Dipole Model#　　　　　　　　D835V2
Phantom#:　　　　　　　　　　ELI5 1150
Tissue Temp:　　　　　　　　　20.0 (C)
Serial#:　　　　　　　　　　　4d029
Test Freq:　　　　　　　　　　835.000 (MHz)
Start Power:　　　　　　　　　250 (mW)
Rotation (1D):　　　　　　　　0.071 dB
Adjusted SAR (1W):　　　　　　8.80 mW/g(1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 0.92 S/m; ϵ_r = 41.8; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3122, , Frequency: 835 MHz, ConvF(6.02, 6.02, 6.02); Calibrated: 6/19/2015
Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

**Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x111x1):**
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 54.90 V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 2.22 W/kg; SAR(10 g) = 1.46 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.61 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 54.90 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.36 W/kg
SAR(1 g) = 2.2 W/kg; SAR(10 g) = 1.42 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.63 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17):
Measurement grid: dx=20mm, dy=20mm, dz=10mm
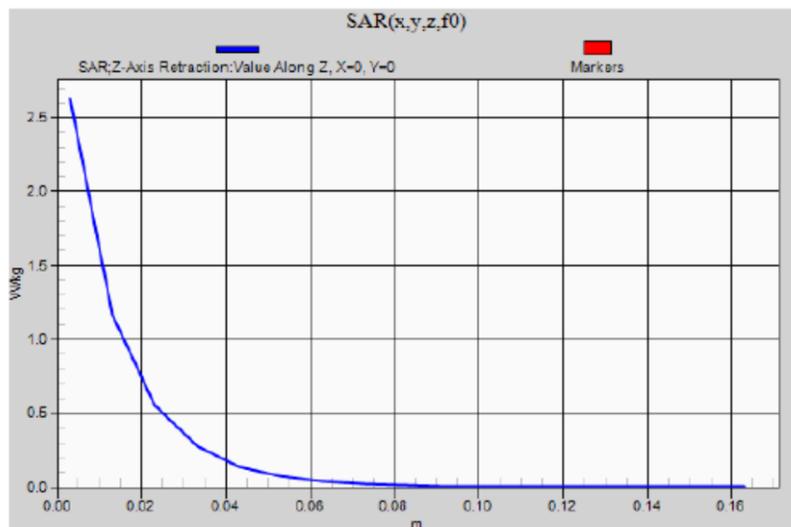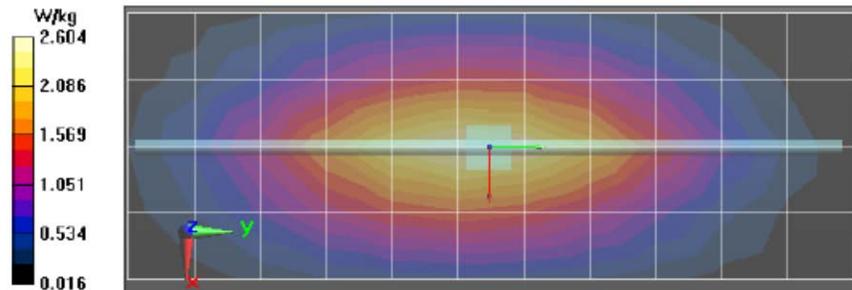
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/28/2016 8:15:32 AM

Robot#: DASY5-PG-4 | Run: KBK-SYSP-2450B-160428-01
Dipole Model#:   D2450V2
Phantom#:   ELI4 1103
Tissue Temp: 20.2 (C)
Serial#:   781
Test Freq: 2450.0000 (MHz)
Start Power: 250 (mW)
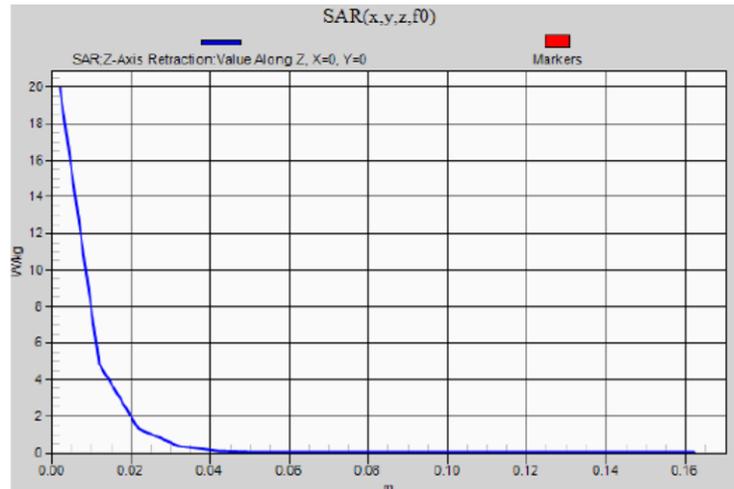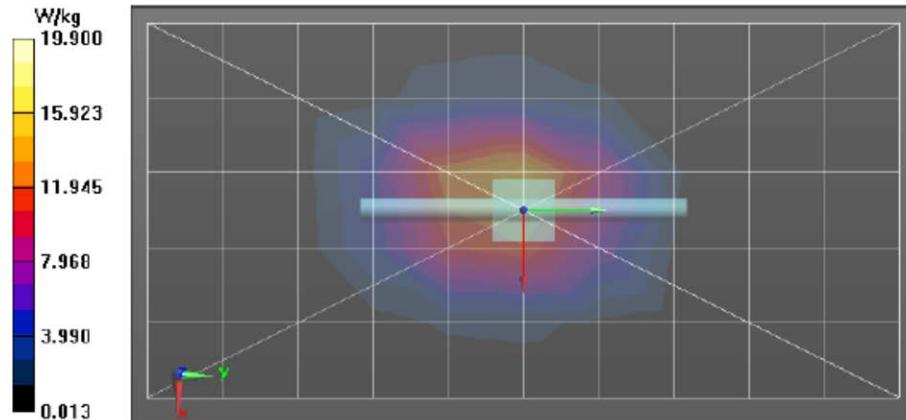Rotation (1D):   0.11 dB
Adjusted SAR (1W):   49.60 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 2450 MHz; σ = 1.99 S/m; ε_r = 47.5; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , Frequency: 2450 MHz, ConvF(6.96, 6.96, 6.96); Calibrated: 7/16/2015
Electronics: DAE4 Sn850, Calibrated: 8/24/2015

2-3 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (51x101x1): Interpolated
grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 100.7 V/m; Power Drift = -0.04 dB
Fast SAR: SAR(1 g) = 12.8 W/kg; SAR(10 g) = 5.94 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 20.6 W/kg

2-3 GHz-Rev.2/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement
grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 100.7 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 26.8 W/kg
SAR(1 g) = 12.4 W/kg; SAR(10 g) = 5.76 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 19.6 W/kg

2-3 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:
dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 19.9 W/kg

Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/29/2016 8:36:53 AM

Robot#: DASY5-PG-4 | Run#:   KBK-SYSP-2450B-160429-06
Dipole Model#   D2450V2
Phantom#:   ELI4 1103
Tissue Temp: 20.1 (C)
Serial#:   781
Test Freq: 2450.0000 (MHz)
Start Power: 250 (mW)
Rotation (1D):   0.077 dB
Adjusted SAR (1W):   48.80 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 2450 MHz; σ = 2 S/m; ε_r = 47.6; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , Frequency: 2450 MHz, ConvF(6.96, 6.96, 6.96); Calibrated: 7/16/2015
Electronics: DAE4 Sn850, Calibrated: 8/24/2015

### 2-3 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (51x101x1): Interpolated
grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 100.5 V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 12.6 W/kg; SAR(10 g) = 5.89 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 20.0 W/kg

2-3 GHz-Rev.2/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement
grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 100.5 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 26.8 W/kg
SAR(1 g) = 12.2 W/kg; SAR(10 g) = 5.63 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 19.4 W/kg

2-3 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:
dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 19.7 W/kg
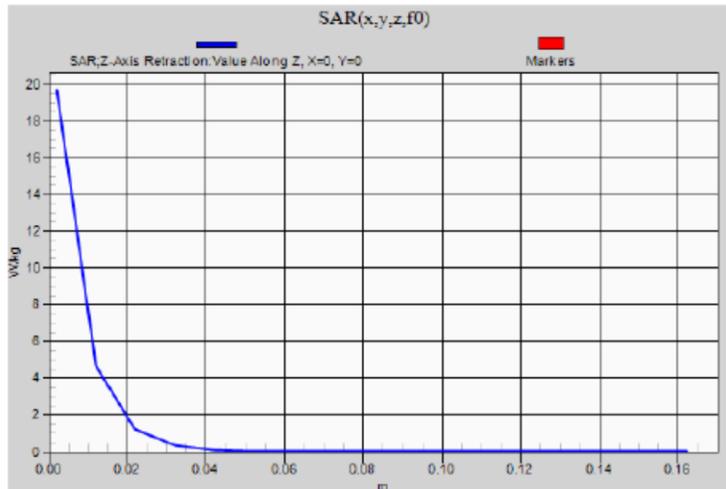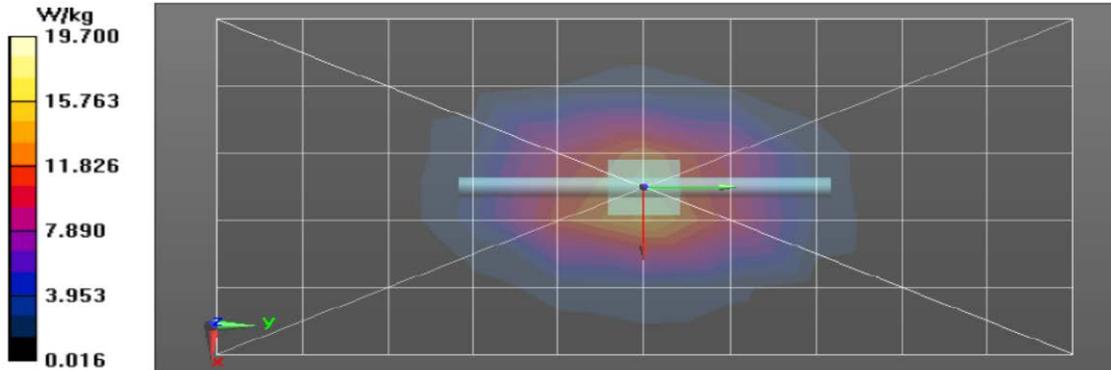
Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/29/2016 6:54:26 PM

Robot#: DASY5-PG-4 | Run#: FD-SYSP-2450H-160429-13
Dipole Model#   D5GHzV2
Phantom#:   ELI4 1037
Tissue Temp: 19.6 (C)
Serial#:   781
Test Freq: 2450.0000 (MHz)
Start Power: 250 (mW)
Rotation (1D):   0.088 dB
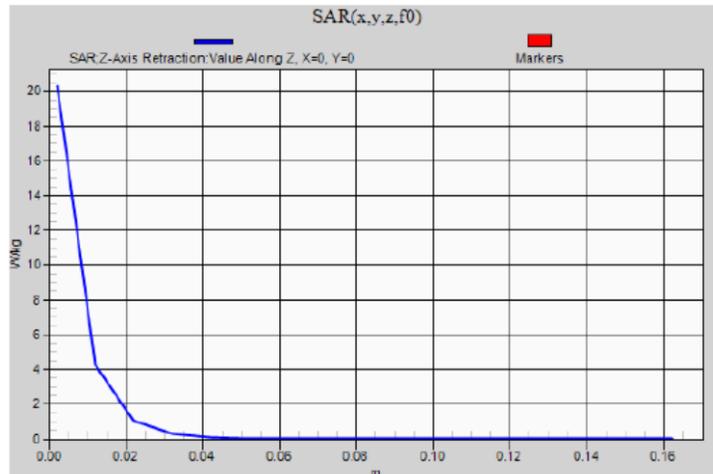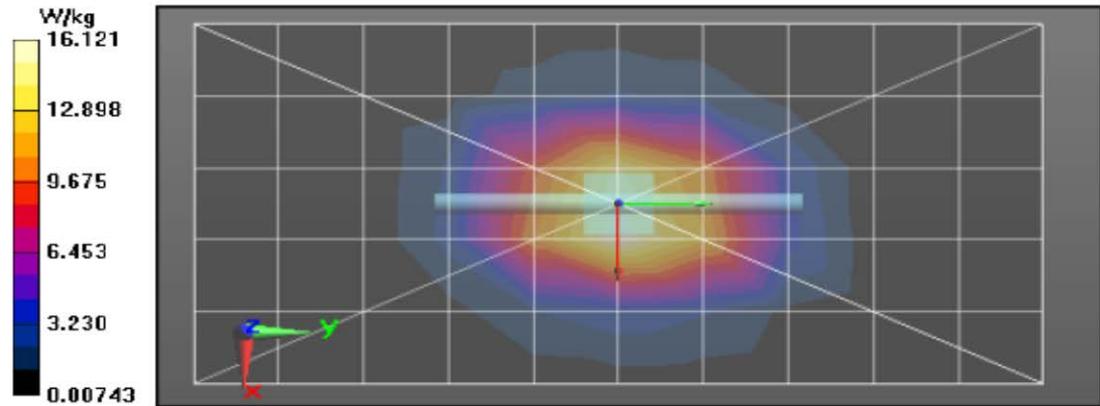Adjusted SAR (1W):   49.60 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ S/m; $\varepsilon_r = 35.5$; $\rho = 1000$ kg/m^3
Probe: EX3DV4 - SN3735, , Frequency: 2450 MHz, ConvF(6.85, 6.85, 6.85); Calibrated: 7/16/2015
Electronics: DAE4 Sn850, Calibrated: 8/24/2015

2-3 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (51x101x1): Interpolated
grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 106.1 V/m; Power Drift = -0.00 dB
Fast SAR: SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.33 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 21.0 W/kg

2-3 GHz-Rev.2/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement
grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 106.1 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 28.3 W/kg
SAR(1 g) = 12.4 W/kg; SAR(10 g) = 5.7 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 20.1 W/kg

2-3 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:
dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 20.3 W/kg

Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/30/2016 8:14:54 AM

Robot#: DASY5-PG-4 | Run#: KBK-SYSP-2450H-160430-07
Dipole Model#   D5GHzV2
Phantom#:   ELI4 1037
Tissue Temp: 19.6 (C)
Serial#:   781
Test Freq: 2450.0000 (MHz)
Start Power: 250 (mW)
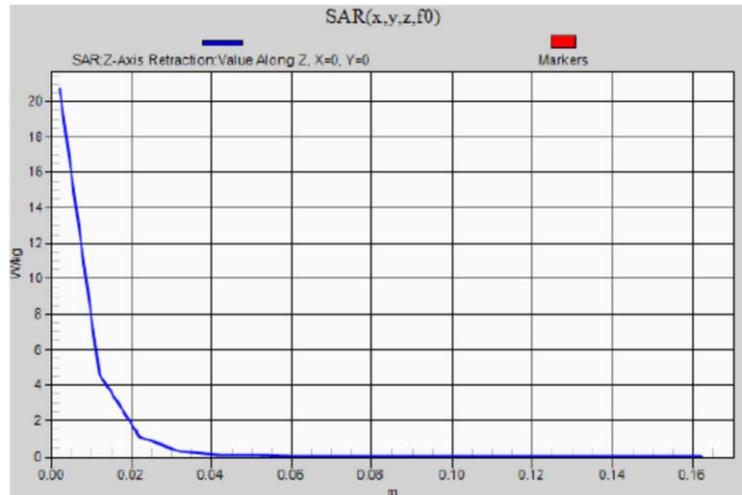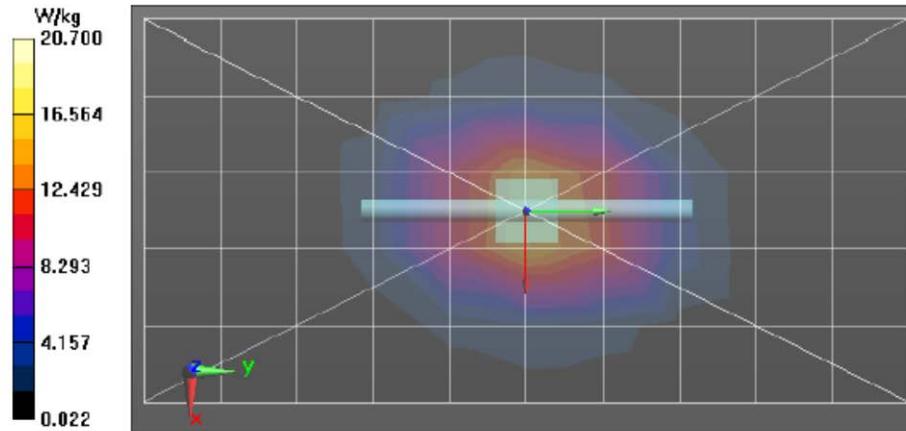Rotation (1D):   0.082dB
Adjusted SAR (1W):   50.80 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 2450 MHz; σ = 1.88 S/m; ϵ_r = 35.8; ρ = 1000 kg/m³
Probe: EX3DV4 - SN3735, , Frequency: 2450 MHz, ConvF(6.85, 6.85, 6.85); Calibrated: 7/16/2015
Electronics: DAE4 Sn850, Calibrated: 8/24/2015

2-3 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (51x101x1): Interpolated
grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 106.8 V/m; Power Drift = 0.00 dB
Fast SAR: SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.37 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 21.5 W/kg

2-3 GHz-Rev.2/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement
grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 106.8 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 28.6 W/kg
SAR(1 g) = 12.7 W/kg; SAR(10 g) = 5.87 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 20.6 W/kg

2-3 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:
dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 20.7 W/kg

Motorola Solutions, Inc. EME Laboratory
Date/Time: 5/21/2016 2:12:28 PM

Robot#: DASY5-PG-3 | Run#:   FD-SYSP-2450H-160521-01
Dipole Model#   D2450V2
Phantom#:   ELI4 1037
Tissue Temp: 20.6 (C)
Serial#:   781
Test Freq: 2450.000 (MHz)
Start Power: 250 (mW)
Rotation (1D):   0.038 dB
Adjusted SAR (1W):   52.40 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 2450$ MHz; $\sigma = 1.84$ S/m; $\varepsilon_r = 35.4$; $\rho = 1000$ kg/m^3
Probe: ES3DV3 - SN3196, , Frequency: 2450 MHz, ConvF(4.54, 4.54, 4.54); Calibrated: 11/17/2015
Electronics: DAE4 Sn1294, Calibrated: 1/6/2016

2-3 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (51x81x1): Interpolated grid:
dx=1.200 mm, dy=1.200 mm
Reference Value = 102.5 V/m; Power Drift = -0.03 dB
Fast SAR: SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.39 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 18.5 W/kg

2-3 GHz-Rev.2/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement
grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 102.5 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 28.4 W/kg
SAR(1 g) = 13.1 W/kg; SAR(10 g) = 6.09 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 17.6 W/kg

2-3 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:
dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 18.1 W/kg