MOTOROLA SOLUTIONS

MS ISO/IEC 17025
TESTING
SAMM No.0826

# DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2

**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:** 02/26/2018
**Report Revision:** A

| | |
|---|---|
| **Responsible Engineer:** | Saw Sun Hock (EME Engineer) |
| **Report Author:** | Saw Sun Hock (EME Engineer) |
| **Date/s Tested:** | 1/11/2018 -2/14/2018, 2/25/2018-2/26/2018 |
| **Manufacturer:** | Motorola Solutions Inc. |
| **DUT Description:** | Handheld Portable – Frequency bands; LMR 136-174MHz |
| **Test TX mode(s):** | CW (PTT) |
| **Max. Power output:** | 6 W |
| **Nominal Power:** | 5 W |
| **Tx Frequency Bands:** | LMR 136-174MHz |
| **Signaling type:** | FM, TDMA |
| **Model(s) Tested:** | AAH01JDC9JA2AN (PMUD3231B) |
| **Model(s) Certified:** | AAH01JDC9JA2AN (PMUD3231B) / PMUD3231BAANAA,<br>AAH01JDC9JC2AN (PMUD3231B) / PMUD3231BAANEA |
| **Serial Number(s):** | 752TTZ7469, 752TTZ7451 |
| **Classification:** | Occupational/Controlled |
| **FCC ID:** | AZ489FT3845; LMR 150.8-173.4MHz<br>This report contains results that are immaterial for FCC equipment approval, which are clearly identified. |
| **IC:** | 109U-89FT3845<br>This report contains results that are immaterial for IC equipment approval, which are identified. |
| **ISED Test Site registration:** | 109AK |
| **FCC Test Firm Registration Number:** | 823256 |

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 FCC 47 CFR § 2.1093.

**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: 2/27/2018**

Tiong Nguk Ing
Digitally signed by Tiong Nguk Ing
Date: 2018.02.27 13:31:27 +08'00'

# Appendix E
# System Verification Check Scans

## Motorola Solutions, Inc. EME Laboratory

**Date/Time: 1/10/2018 3:14:44 PM**

Robot#: DASY5-PG-1 | Run#: ZR(AN)-SYSP-150B-180110-01
Dipole Model# CLA-150
Phantom#: ELI4 1011
Tissue Temp: 20.9 (C)
Serial#: 4010
Test Freq: 150.00 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.17 dB
Adjusted SAR (1W): 4.07 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 150 MHz; $\sigma$ = 0.78 S/m; $\varepsilon_r$ = 59.7; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 150 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):

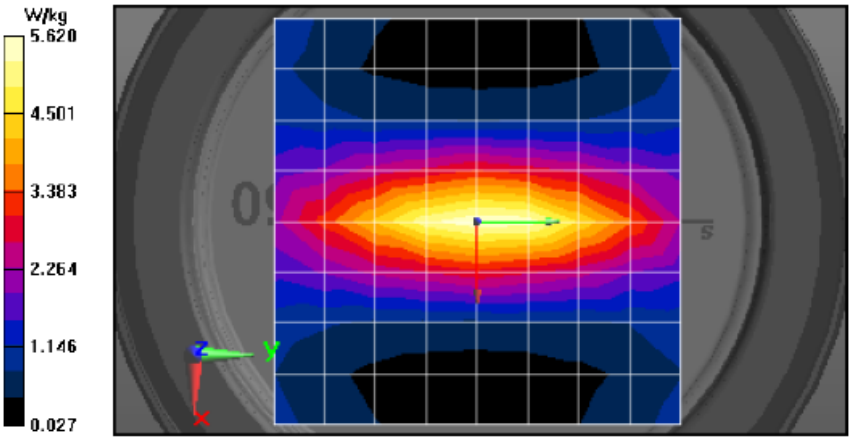
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 83.88 V/m; Power Drift = 0.06 dB
**Fast SAR: SAR(1 g) = 4.76 W/kg; SAR(10 g) = 3.39 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.74 W/kg

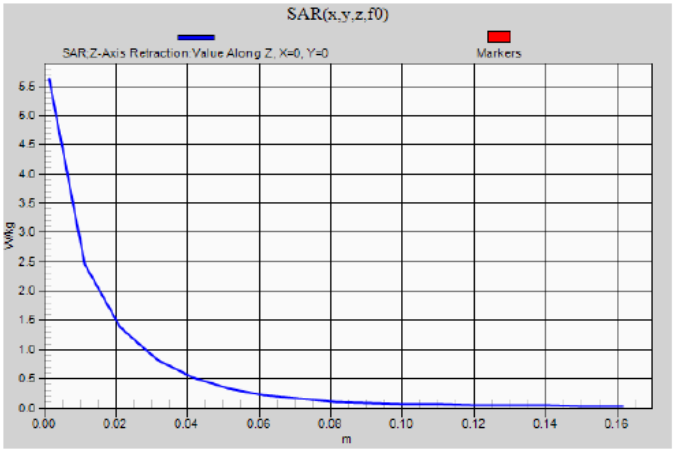
### Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 83.88 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 6.76 W/kg
**SAR(1 g) = 4.07 W/kg; SAR(10 g) = 2.69 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.62 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: 1/11/2018 3:53:00 PM**

| | |
|---|---|
| Robot#: DASY5-PG-1 \| Run#: | ZR(AN)-SYSP-150B-180111-10 |
| Dipole Model# | CLA-150 |
| Phantom#: | ELI4 1011 |
| Tissue Temp: | 20.9 (C) |
| Serial#: | 4010 |
| Test Freq: | 150.00 (MHz) |
| Start Power: | 1000 (mW) |
| Rotation (1D): | 0.19 dB |
| Adjusted SAR (1W): | 4.00 mW/g (1g) |

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 150 MHz; $\sigma$ = 0.78 S/m; $\varepsilon_r$ = 61.2; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 150 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):

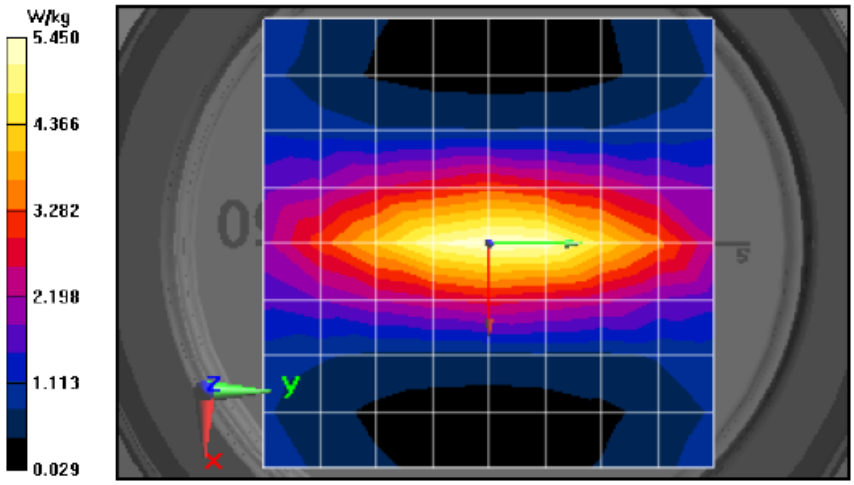
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 84.80 V/m; Power Drift = -0.14 dB
**Fast SAR: SAR(1 g) = 4.67 W/kg; SAR(10 g) = 3.33 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.59 W/kg

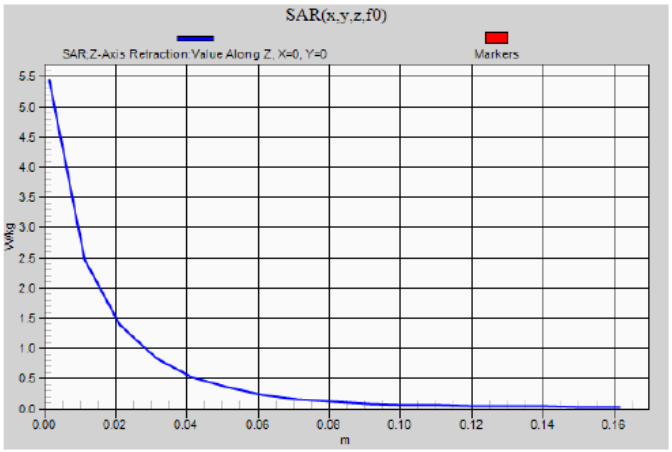
### Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 84.80 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 6.43 W/kg
**SAR(1 g) = 4 W/kg; SAR(10 g) = 2.66 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.39 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) = 5.45 W/kg



## Motorola Solutions, Inc. EME Laboratory

**Date/Time: 1/12/2018 7:51:08 PM**

Robot#: DASY5-PG-1 | Run#: AZ-SYSP-150B-180112-12
Dipole Model# CLA-150
Phantom#: ELI4 1011
Tissue Temp: 19.6 (C)
Serial#: 4010
Test Freq: 150.00 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.210 dB
Adjusted SAR (1W): 3.89 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 150 MHz; $\sigma$ = 0.79 S/m; $\varepsilon_r$ = 60.4; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 150 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):

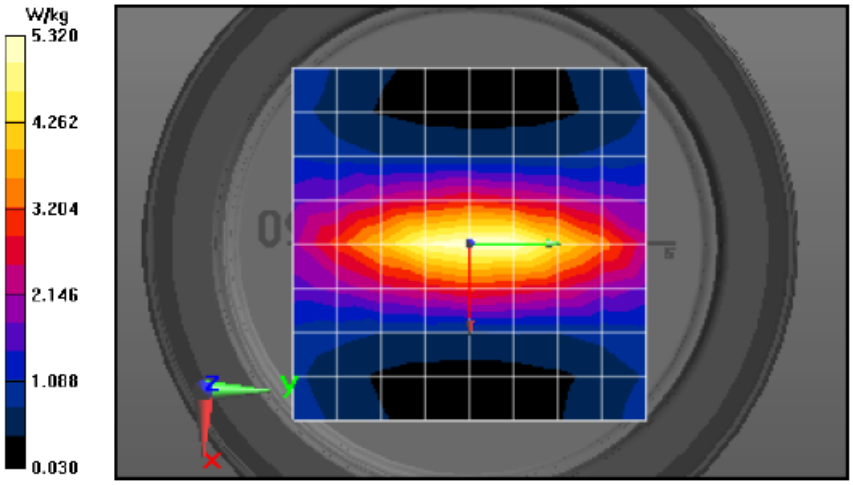
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 82.05 V/m; Power Drift = 0.10 dB
**Fast SAR: SAR(1 g) = 4.53 W/kg; SAR(10 g) = 3.24 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.51 W/kg

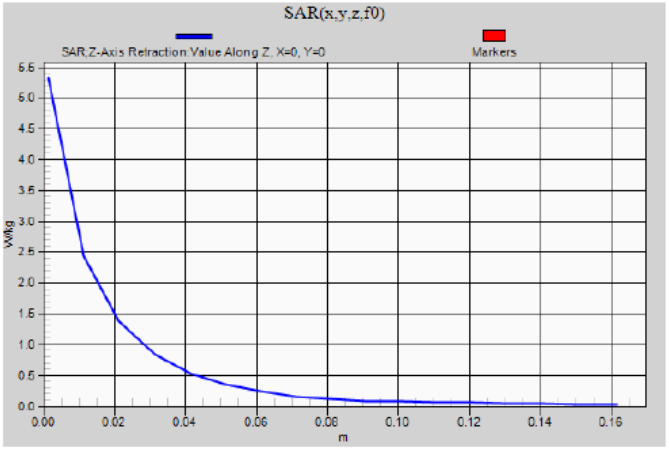
### Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 82.05 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 6.30 W/kg
**SAR(1 g) = 3.89 W/kg; SAR(10 g) = 2.59 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
Maximum value of SAR (measured) = 5.32 W/kg



**Motorola Solutions, Inc. EME Laboratory**
**Date/Time: 1/15/2018 7:39:14 AM**

| | |
|---|---|
| Robot#: DASY5-PG-1 \| Run#: | AZ-SYSP-150B-180115-01 |
| Dipole Model# | CLA-150 |
| Phantom#: | ELI4 1011 |
| Tissue Temp: | 19.9 (C) |
| Serial#: | 4010 |
| Test Freq: | 150.00 (MHz) |
| Start Power: | 1000 (mW) |
| Rotation (1D): | 0.180 dB |
| Adjusted SAR (1W): | 4.11 mW/g (1g) |

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 150 MHz; $\sigma$ = 0.79 S/m; $\varepsilon_r$ = 60.4; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 150 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):

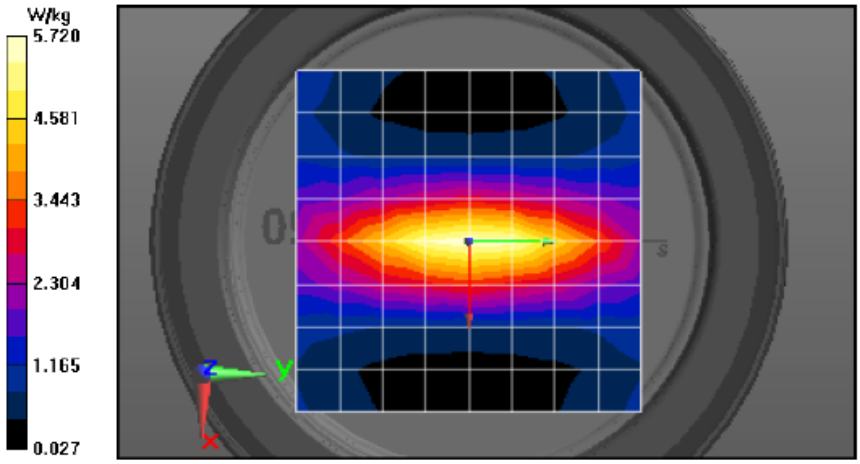
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 84.63 V/m; Power Drift = -0.02 dB
**Fast SAR: SAR(1 g) = 4.81 W/kg; SAR(10 g) = 3.44 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.83 W/kg

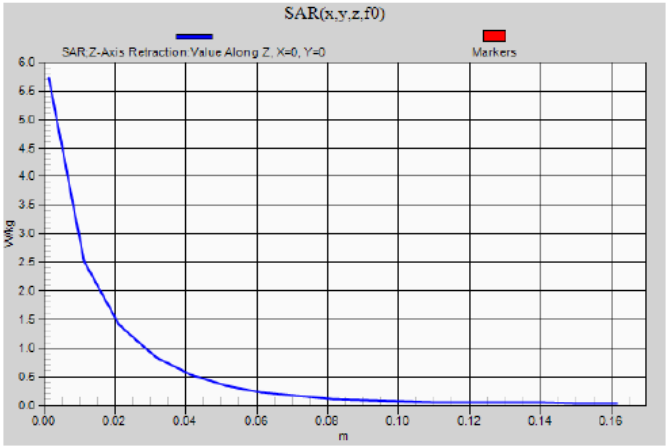
### Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 84.63 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 6.81 W/kg
**SAR(1 g) = 4.11 W/kg; SAR(10 g) = 2.71 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.71 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) = 5.72 W/kg



## Motorola Solutions, Inc. EME Laboratory

**Date/Time: 1/16/2018 8:31:47 AM**

| | |
|---|---|
| Robot#: DASY5-PG-1 \| Run#: | AZ-SYSP-150B-180116-06 |
| Dipole Model# | CLA-150 |
| Phantom#: | ELI4 1011 |
| Tissue Temp: | 19.9 (C) |
| Serial#: | 4010 |
| Test Freq: | 150.00 (MHz) |
| Start Power: | 1000 (mW) |
| Rotation (1D): | 0.19 dB |
| Adjusted SAR (1W): | 3.98 mW/g (1g) |

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 150 MHz; $\sigma$ = 0.78 S/m; $\varepsilon_r$ = 60.3; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 150 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):

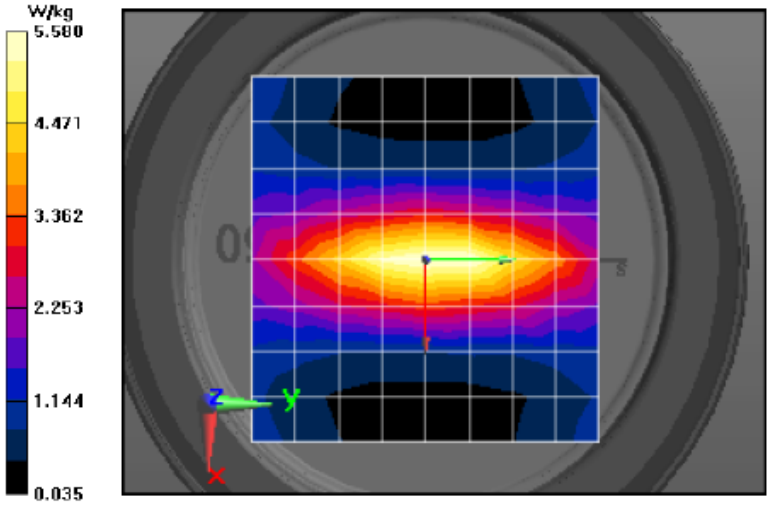
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 85.30 V/m; Power Drift = -0.11 dB
**Fast SAR: SAR(1 g) = 4.9 W/kg; SAR(10 g) = 3.49 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.89 W/kg

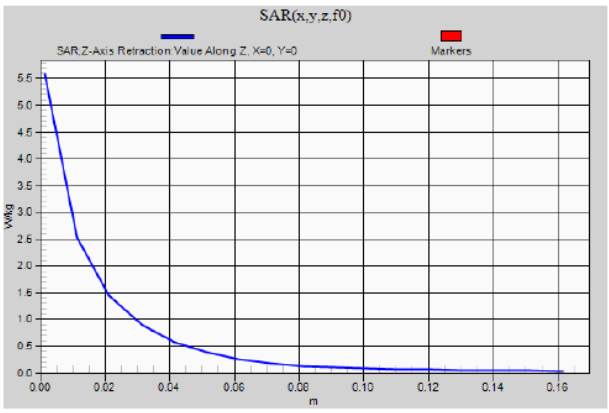
### Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 85.30 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 6.46 W/kg
**SAR(1 g) = 3.98 W/kg; SAR(10 g) = 2.65 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.42 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) = 5.58 W/kg



**Motorola Solutions, Inc. EME Laboratory**
**Date/Time: 1/17/2018 10:00:37 AM**

Robot#: DASY5-PG-1 | Run#: AZ-(LOH)-SYSP-150B-180117-06
Dipole Model# CLA-150
Phantom#: ELI4 1011
Tissue Temp: 19.5 (C)
Serial#: 4010
Test Freq: 150.00 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.200 dB
Adjusted SAR (1W): 4.00 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 150 MHz; $\sigma$ = 0.78 S/m; $\varepsilon_r$ = 60.3; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 150 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):

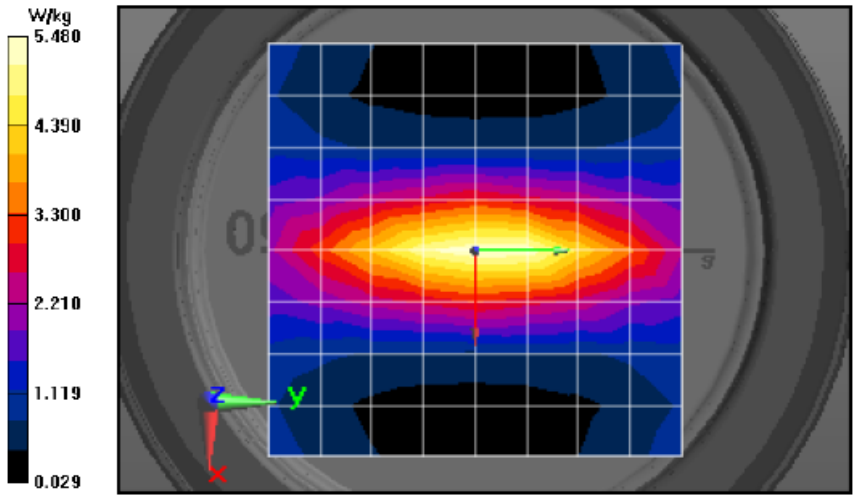
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 82.80 V/m; Power Drift = -0.01 dB
**Fast SAR: SAR(1 g) = 4.69 W/kg; SAR(10 g) = 3.34 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.65 W/kg

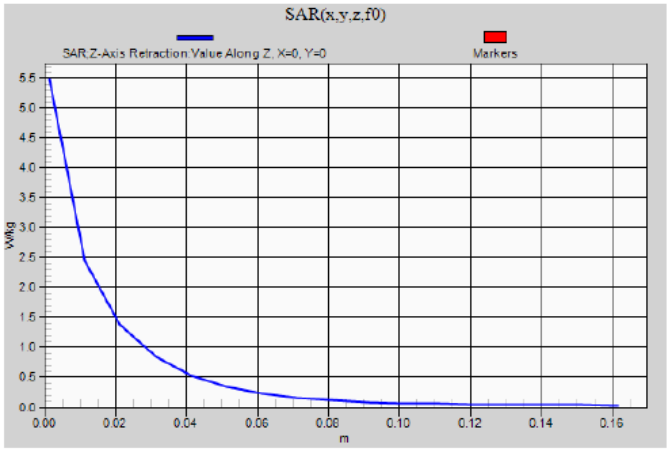
### Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 82.80 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 6.51 W/kg
**SAR(1 g) = 4 W/kg; SAR(10 g) = 2.66 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.48 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: 1/18/2018 7:54:41 AM**

Robot#: DASY5-PG-1 | Run#: AZ--SYSP-150B-180118-03
Dipole Model#: CLA-150
Phantom#: ELI4 1011
Tissue Temp: 19.9 (C)
Serial#: 4010
Test Freq: 150.00 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.190 dB
Adjusted SAR (1W): 3.95 mW/g (1g)

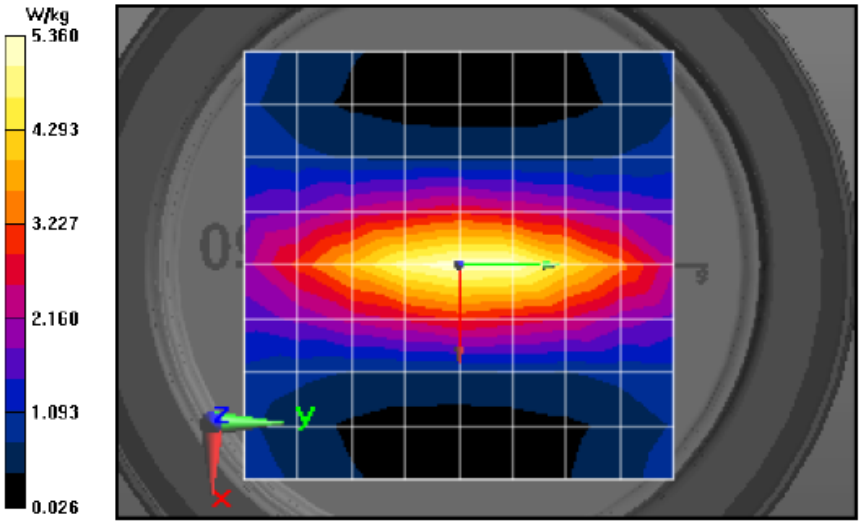
Comments:

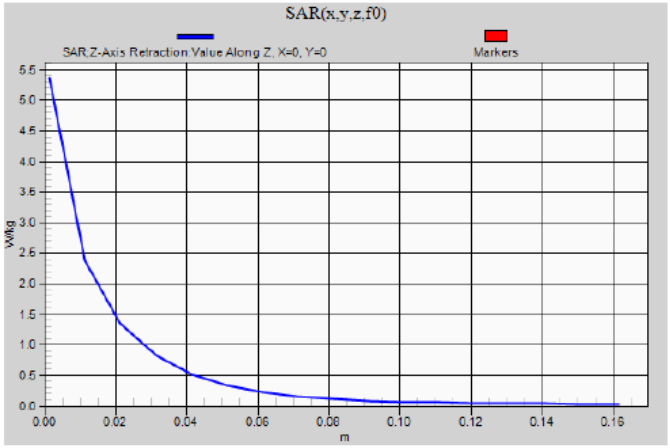
Duty Cycle: 1:1, Medium parameters used: f = 150 MHz; $\sigma$ = 0.77 S/m; $\varepsilon_r$ = 60.3; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 150 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 82.86 V/m; Power Drift = -0.01 dB
**Fast SAR: SAR(1 g) = 4.61 W/kg; SAR(10 g) = 3.28 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.49 W/kg

### Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 82.86 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 6.43 W/kg
**SAR(1 g) = 3.95 W/kg; SAR(10 g) = 2.61 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.36 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: 1/19/2018 7:55:25 AM**

| | |
|---|---|
| Robot#: DASY5-PG-1 \| Run#: | AZ--SYSP-150B-180119-05 |
| Dipole Model# | CLA-150 |
| Phantom#: | ELI4 1011 |
| Tissue Temp: | 20.4 (C) |
| Serial#: | 4010 |
| Test Freq: | 150.00 (MHz) |
| Start Power: | 1000 (mW) |
| Rotation (1D): | 0.190 dB |
| Adjusted SAR (1W): | 3.92 mW/g (1g) |

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 150 MHz; $\sigma$ = 0.78 S/m; $\varepsilon_r$ = 59.7; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 150 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):

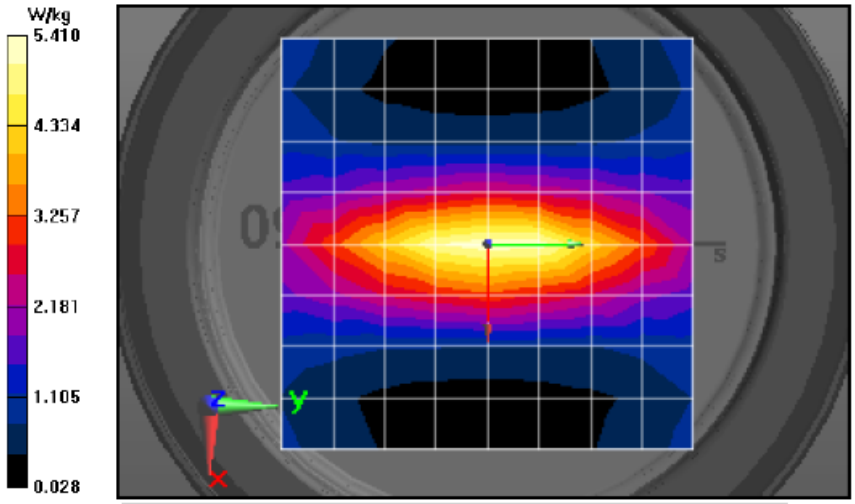
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 82.88 V/m; Power Drift = -0.05 dB
**Fast SAR: SAR(1 g) = 4.58 W/kg; SAR(10 g) = 3.28 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.53 W/kg

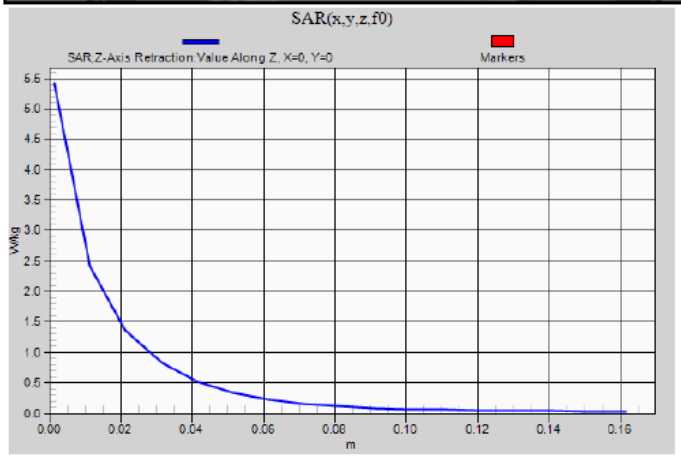
### Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 82.88 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 6.34 W/kg
**SAR(1 g) = 3.92 W/kg; SAR(10 g) = 2.61 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
Maximum value of SAR (measured) = 5.41 W/kg



**Motorola Solutions, Inc. EME Laboratory**
**Date/Time: 1/22/2018 9:13:37 AM**

| | |
|---|---|
| Robot#: DASY5-PG-1 \| Run#: | AM(AN)-SYSP-150B-180122-01 |
| Dipole Model# | CLA-150 |
| Phantom#: | ELI4 1011 |
| Tissue Temp: | 20.1 (C) |
| Serial#: | 4010 |
| Test Freq: | 150.00 (MHz) |
| Start Power: | 1000 (mW) |
| Rotation (1D): | 0.18 dB |
| Adjusted SAR (1W): | 3.97 mW/g (1g) |

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 150 MHz; $\sigma$ = 0.76 S/m; $\varepsilon_r$ = 59.2; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 150 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):

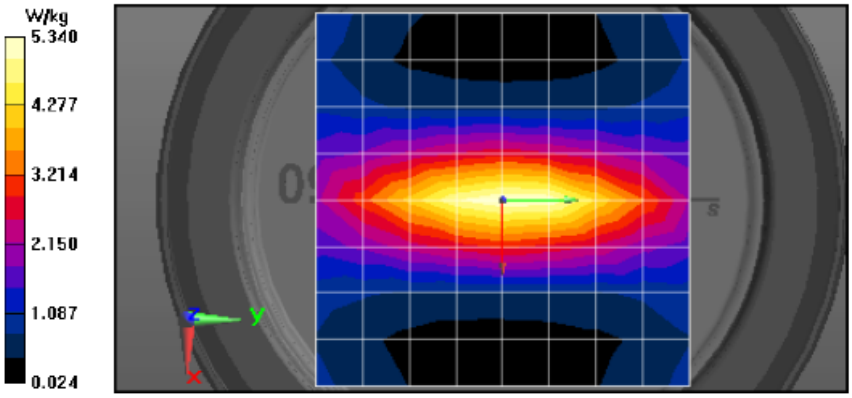
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 83.32 V/m; Power Drift = 0.02 dB
**Fast SAR: SAR(1 g) = 4.65 W/kg; SAR(10 g) = 3.32 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.51 W/kg

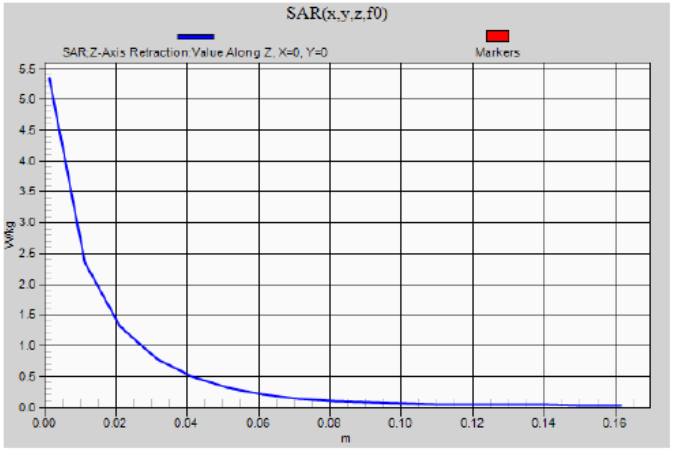
### Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 83.32 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 6.47 W/kg
**SAR(1 g) = 3.97 W/kg; SAR(10 g) = 2.62 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.39 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: 1/23/2018 9:16:56 AM**

| | |
|---|---|
| Robot#: DASY5-PG-1 \| Run#: | FD(AN)-SYSP-150B-180123-06 |
| Dipole Model# | CLA-150 |
| Phantom#: | ELI4 1011 |
| Tissue Temp: | 19.2 (C) |
| Serial#: | 4010 |
| Test Freq: | 150.00 (MHz) |
| Start Power: | 1000 (mW) |
| Rotation (1D): | 0.19 dB |
| Adjusted SAR (1W): | 3.90 mW/g (1g) |

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 150 MHz; $\sigma$ = 0.77 S/m; $\varepsilon_r$ = 61.4; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 150 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):

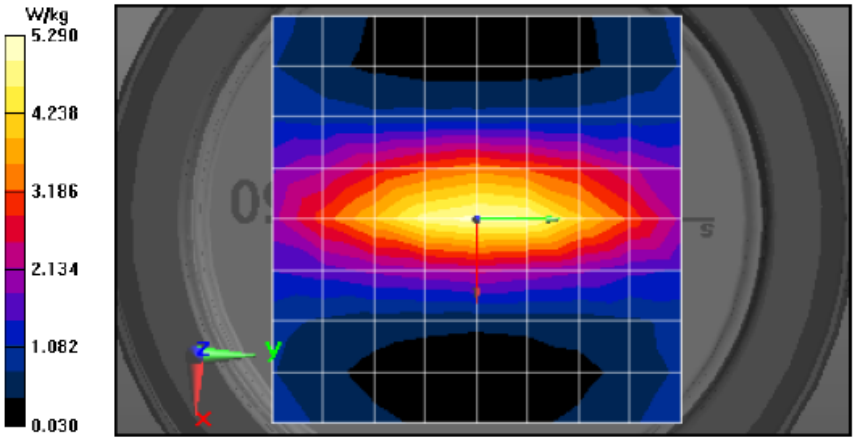
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 81.97 V/m; Power Drift = -0.02 dB
**Fast SAR: SAR(1 g) = 4.54 W/kg; SAR(10 g) = 3.24 W/kg (SAR corrected for target medium)**
Maximum value of SAR (interpolated) = 5.40 W/kg

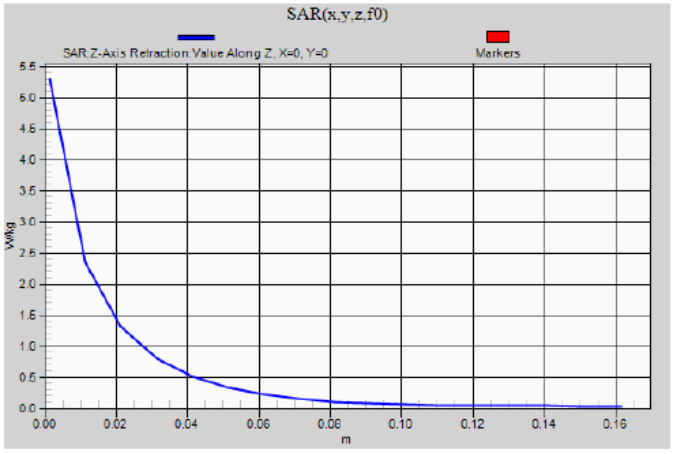
### Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 81.97 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 6.29 W/kg
**SAR(1 g) = 3.9 W/kg; SAR(10 g) = 2.58 W/kg (SAR corrected for target medium)**
Maximum value of SAR (measured) = 5.29 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: 1/24/2018 7:25:56 PM**

| | |
|---|---|
| Robot#: DASY5-PG-1 \| Run#: | AZ-SYSP-150B-180124-06 |
| Dipole Model# | CLA-150 |
| Phantom#: | ELI4 1011 |
| Tissue Temp: | 19.8 (C) |
| Serial#: | 4010 |
| Test Freq: | 150.00 (MHz) |
| Start Power: | 1000 (mW) |
| Rotation (1D): | 0.190 dB |
| Adjusted SAR (1W): | 3.81 mW/g (1g) |

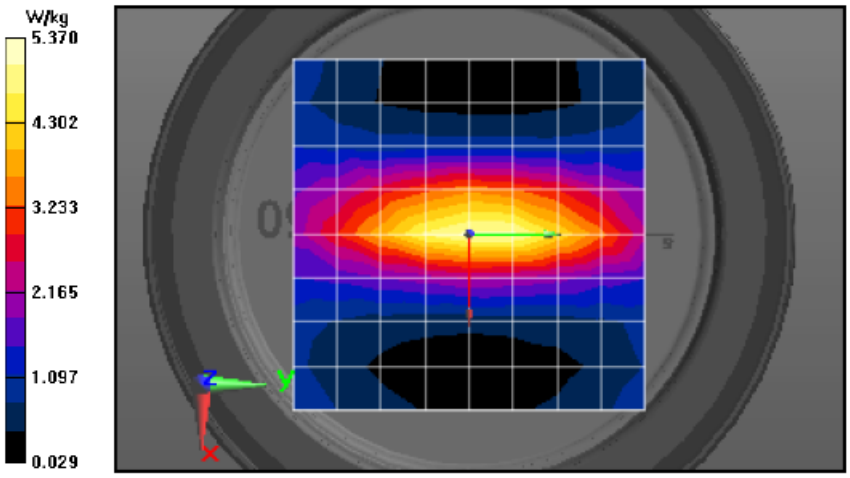
Comments:

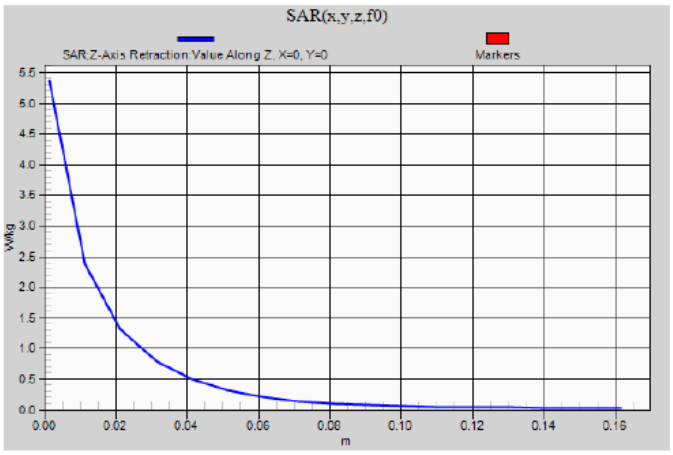
Duty Cycle: 1:1, Medium parameters used: f = 150 MHz; $\sigma$ = 0.8 S/m; $\varepsilon_r$ = 60; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 150 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 81.23 V/m; Power Drift = -0.00 dB
**Fast SAR: SAR(1 g) = 4.47 W/kg; SAR(10 g) = 3.18 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.52 W/kg

### Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 81.23 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 6.37 W/kg
**SAR(1 g) = 3.81 W/kg; SAR(10 g) = 2.52 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.34 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) = 5.37 W/kg



**Motorola Solutions, Inc. EME Laboratory**
**Date/Time: 1/25/2018 8:12:54 PM**

| | |
|---|---|
| Robot#: DASY5-PG-1 \| Run#: | AZ-SYSP-150B-180125-19 |
| Dipole Model# | CLA-150 |
| Phantom#: | ELI4 1011 |
| Tissue Temp: | 19.9 (C) |
| Serial#: | 4010 |
| Test Freq: | 150.00 (MHz) |
| Start Power: | 1000 (mW) |
| Rotation (1D): | 0.200 dB |
| Adjusted SAR (1W): | 3.93 mW/g (1g) |

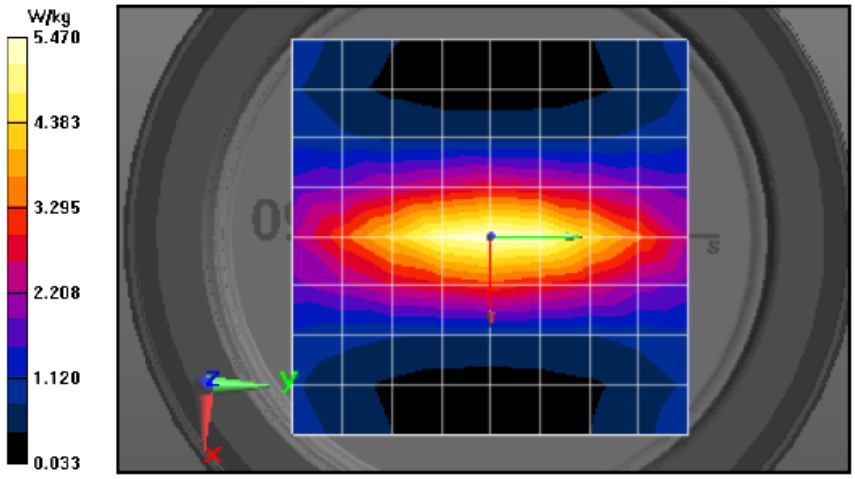
Comments:

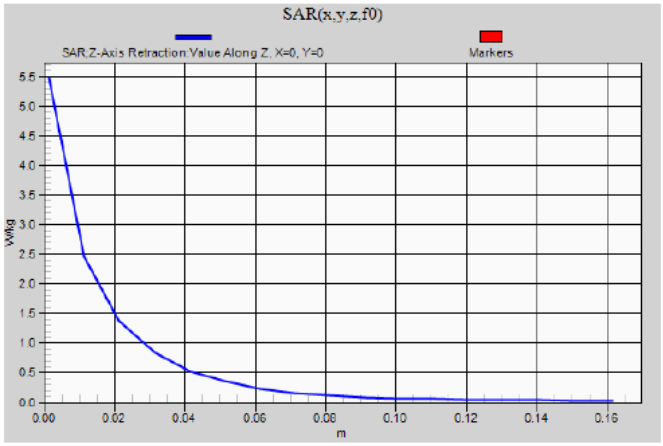
Duty Cycle: 1:1, Medium parameters used: f = 150 MHz; $\sigma$ = 0.8 S/m; $\varepsilon_r$ = 60; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 150 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 82.55 V/m; Power Drift = -0.01 dB
**Fast SAR: SAR(1 g) = 4.58 W/kg; SAR(10 g) = 3.28 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.61 W/kg

### Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 82.55 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 6.50 W/kg
**SAR(1 g) = 3.93 W/kg; SAR(10 g) = 2.61 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.49 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) = 5.47 W/kg



## Motorola Solutions, Inc. EME Laboratory

**Date/Time: 1/28/2018 1:01:38 PM**

| | |
|---|---|
| Robot#: DASY5-PG-1 \| Run#: | AZ-SYSP-150B-180128-06 |
| Dipole Model# | CLA-150 |
| Phantom#: | ELI4 1011 |
| Tissue Temp: | 20.9 (C) |
| Serial#: | 4010 |
| Test Freq: | 150.00 (MHz) |
| Start Power: | 1000 (mW) |
| Rotation (1D): | 0.180 dB |
| Adjusted SAR (1W): | 3.88 mW/g (1g) |

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 150 MHz; $\sigma$ = 0.82 S/m; $\varepsilon_r$ = 59.7; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 150 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):

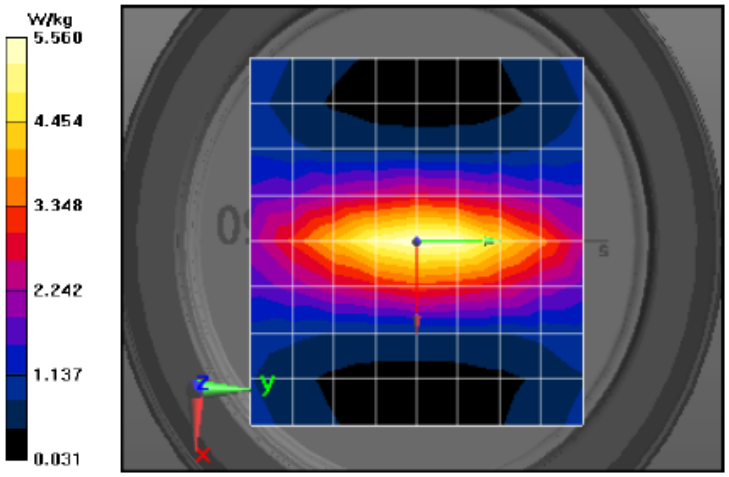
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 81.91 V/m; Power Drift = 0.01 dB
**Fast SAR: SAR(1 g) = 4.58 W/kg; SAR(10 g) = 3.27 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.75 W/kg

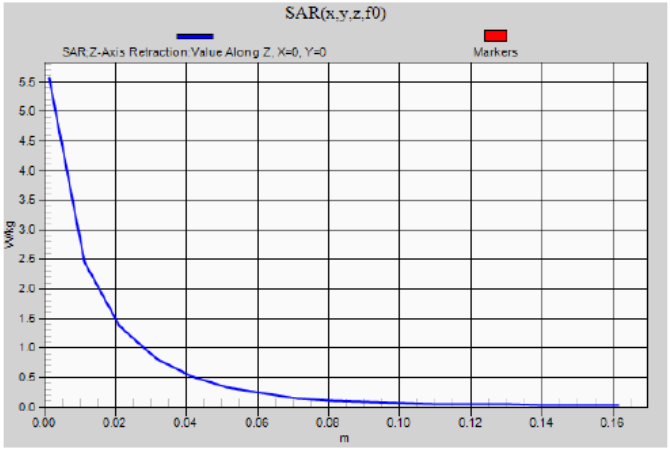
### Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 81.91 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 6.65 W/kg
**SAR(1 g) = 3.88 W/kg; SAR(10 g) = 2.57 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.54 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) = 5.56 W/kg



## Motorola Solutions, Inc. EME Laboratory

**Date/Time: 1/29/2018 1:45:49 PM**

Robot#: DASY5-PG-1 | Run#: AZ-SYSP-150B-180129-06
Dipole Model# CLA-150
Phantom#: ELI4 1011
Tissue Temp: 20.3 (C)
Serial#: 4010
Test Freq: 150.00 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.190 dB
Adjusted SAR (1W): 3.94 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 150 MHz; $\sigma$ = 0.79 S/m; $\varepsilon_r$ = 60.2; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 150 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):

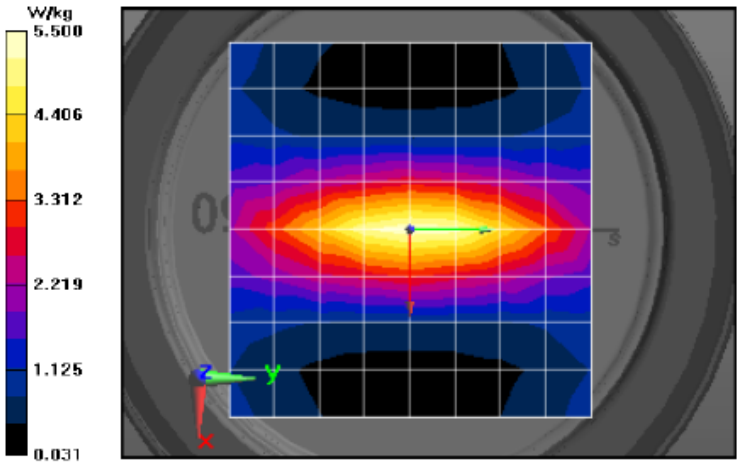
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 82.65 V/m; Power Drift = 0.07 dB
**Fast SAR: SAR(1 g) = 4.61 W/kg; SAR(10 g) = 3.29 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.60 W/kg

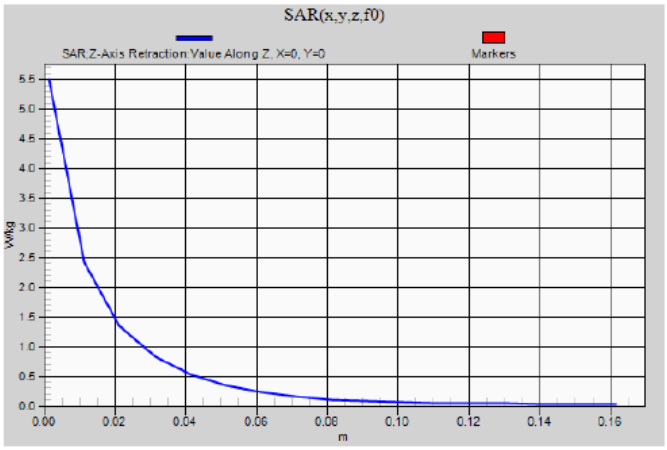
### Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 82.65 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 6.56 W/kg
**SAR(1 g) = 3.94 W/kg; SAR(10 g) = 2.61 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.48 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) = 5.50 W/kg



## Motorola Solutions, Inc. EME Laboratory
**Date/Time: 2/25/2018 10:17:51 AM**

Robot#: DASY5-PG-3 | Run#: FD-SYSP-150B-180225-02
Dipole Model# CLA-150
Phantom#: ELI5 1150
Tissue Temp: 20.5 (C)
Serial#: 4010
Test Freq: 150.0000 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.13 dB
Adjusted SAR (1W): 3.95 mW/g (1g)

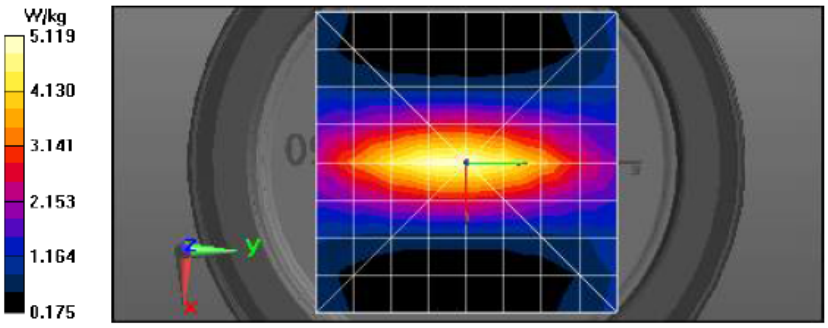
Comments:

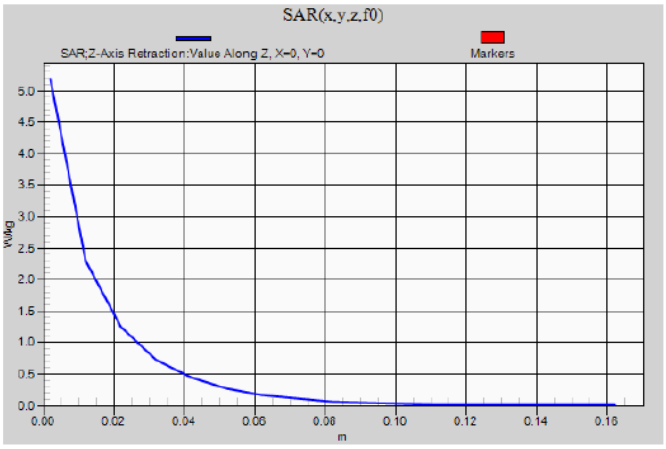
Duty Cycle: 1:1, Medium parameters used: f = 150 MHz; $\sigma$ = 0.8 S/m; $\varepsilon_r$ = 59.7; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3612, , Frequency: 150 MHz, ConvF(9.82, 9.82, 9.82); Calibrated: 5/17/2017
Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 80.04 V/m; Power Drift = -0.02 dB
**Fast SAR: SAR(1 g) = 4.38 W/kg; SAR(10 g) = 3.13 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.17 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 = 80.04 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 6.49 W/kg
**SAR(1 g) = 3.95 W/kg; SAR(10 g) = 2.6 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.17 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) = 5.18 W/kg



**Motorola Solutions, Inc. EME Laboratory**
**Date/Time: 1/26/2018 11:10:30 AM**

| | |
|---|---|
| Robot#: DASY5-PG-1 \| Run#: | FD(AN)-SYSP-150H-180126-13 |
| Dipole Model# | CLA-150 |
| Phantom#: | ELI4 1022 |
| Tissue Temp: | 20.9 (C) |
| Serial#: | 4010 |
| Test Freq: | 150.00 (MHz) |
| Start Power: | 1000 (mW) |
| Rotation (1D): | 0.22 dB |
| Adjusted SAR (1W): | 3.75 mW/g (1g) |

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 150 MHz; $\sigma$ = 0.74 S/m; $\varepsilon_r$ = 49.9; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 150 MHz, ConvF(11.79, 11.79, 11.79); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):

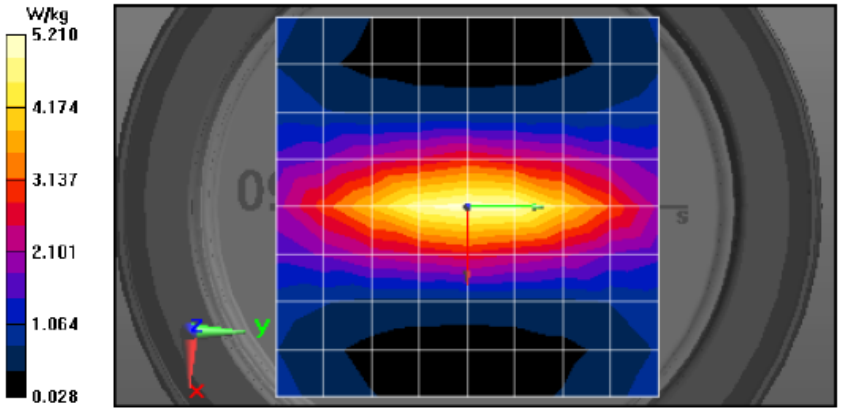
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 82.83 V/m; Power Drift = -0.01 dB
**Fast SAR: SAR(1 g) = 4.37 W/kg; SAR(10 g) = 3.13 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.24 W/kg

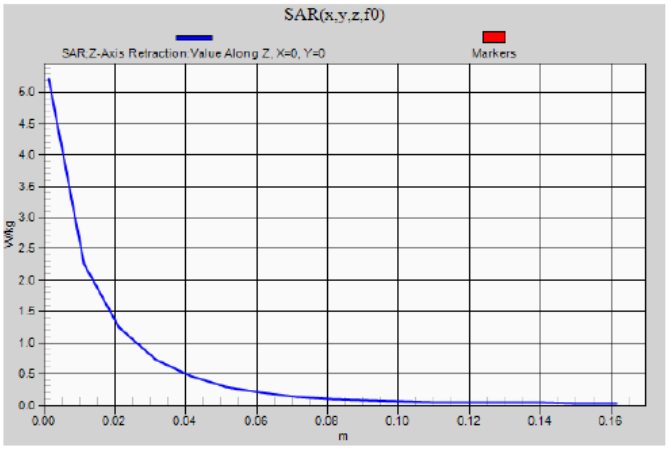
### Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 82.83 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 6.18 W/kg
**SAR(1 g) = 3.75 W/kg; SAR(10 g) = 2.45 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.17 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) = 5.21 W/kg



## Motorola Solutions, Inc. EME Laboratory

**Date/Time: 1/28/2018 8:22:20 AM**

| | |
|---|---|
| Robot#: DASY5-PG-1 \| Run#: | AZ-SYSP-150H-180128-01 |
| Dipole Model# | CLA-150 |
| Phantom#: | ELI4 1022 |
| Tissue Temp: | 20.6 (C) |
| Serial#: | 4010 |
| Test Freq: | 150.00 (MHz) |
| Start Power: | 1000 (mW) |
| Rotation (1D): | 0.18 dB |
| Adjusted SAR (1W): | 3.82 mW/g (1g) |

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 150 MHz; $\sigma$ = 0.75 S/m; $\varepsilon_r$ = 51.2; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 150 MHz, ConvF(11.79, 11.79, 11.79); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):

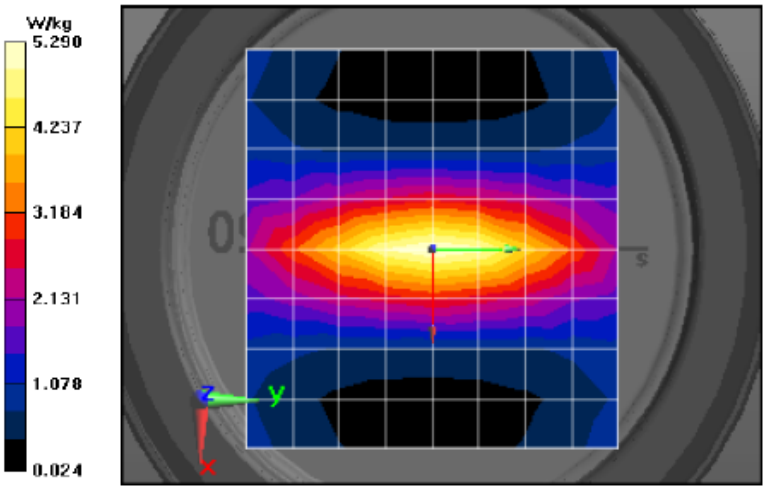
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 83.56 V/m; Power Drift = -0.06 dB
**Fast SAR: SAR(1 g) = 4.49 W/kg; SAR(10 g) = 3.21 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.43 W/kg

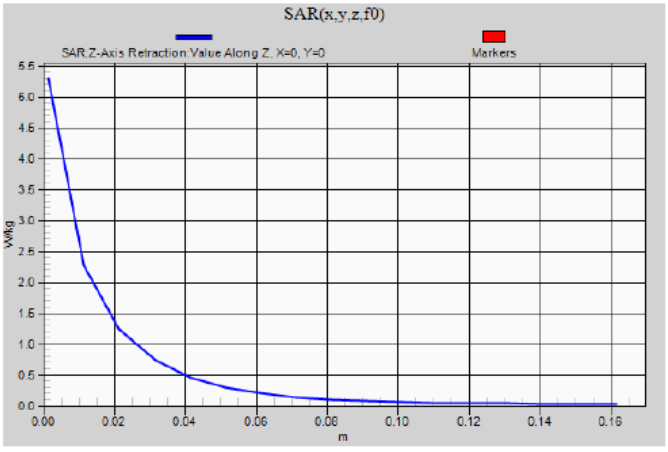
### Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 83.56 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 6.53 W/kg
**SAR(1 g) = 3.82 W/kg; SAR(10 g) = 2.49 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.40 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) = 5.29 W/kg



**Motorola Solutions, Inc. EME Laboratory**
**Date/Time: 1/30/2018 4:57:48 PM**

Robot#: DASY5-PG-1 | Run#: AZ-SYSP-150H-180130-14
Dipole Model# CLA-150
Phantom#: ELI4 1022
Tissue Temp: 21.4 (C)
Serial#: 4010
Test Freq: 150.00 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.200 dB
Adjusted SAR (1W): 3.63 mW/g (1g)

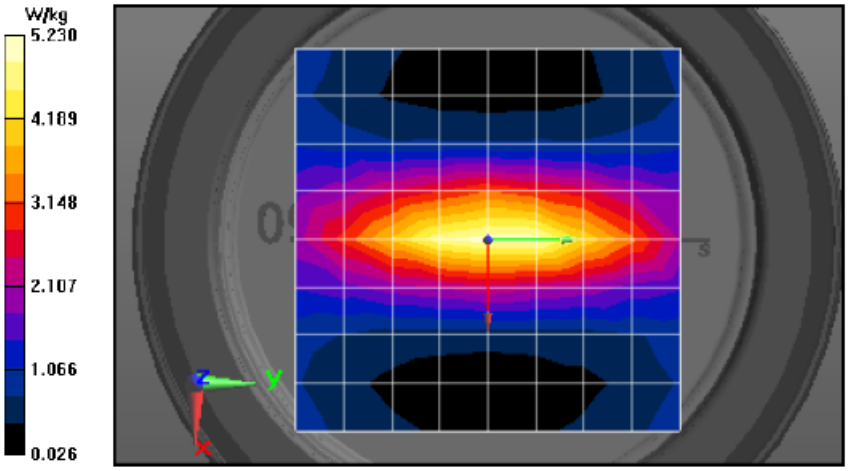
Comments:

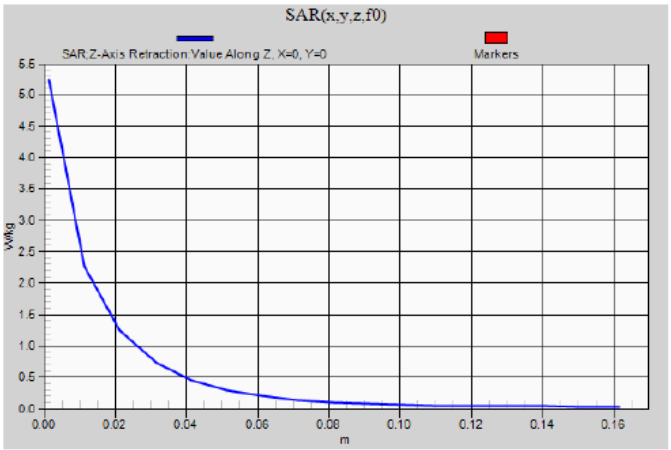
Duty Cycle: 1:1, Medium parameters used: f = 150 MHz; $\sigma$ = 0.78 S/m; $\varepsilon_r$ = 51.3; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 150 MHz, ConvF(11.79, 11.79, 11.79); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 81.14 V/m; Power Drift = 0.00 dB
**Fast SAR: SAR(1 g) = 4.26 W/kg; SAR(10 g) = 3.04 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.33 W/kg

### Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 81.14 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 6.20 W/kg
**SAR(1 g) = 3.63 W/kg; SAR(10 g) = 2.39 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.20 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) = 5.23 W/kg



**Motorola Solutions, Inc. EME Laboratory**
**Date/Time: 2/12/2018 6:54:18 PM**

Robot#: DASY5-PG-3 | Run#: FD-SYSP-150H-180212-08
Dipole Model#: CLA-150
Phantom#: ELI4 1022
Tissue Temp: 20.1 (C)
Serial#: 4010
Test Freq: 150.0000 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.13 dB
Adjusted SAR (1W): 3.83 mW/g (1g)

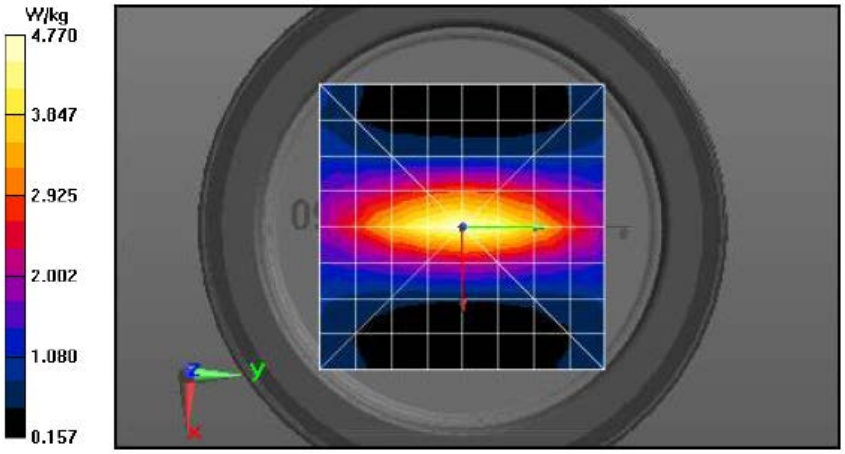
Comments:

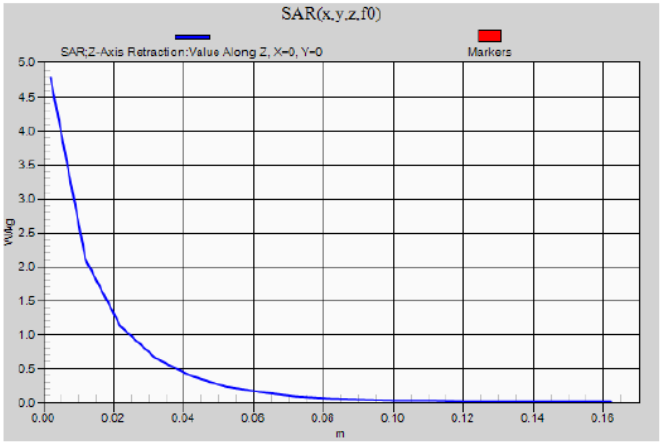
Duty Cycle: 1:1, Medium parameters used: f = 150 MHz; $\sigma$ = 0.72 S/m; $\epsilon_r$ = 51; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3612, , Frequency: 150 MHz, ConvF(10.17, 10.17, 10.17); Calibrated: 5/17/2017
Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

**Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):**
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 81.21 V/m; Power Drift = -0.00 dB
**Fast SAR: SAR(1 g) = 4.29 W/kg; SAR(10 g) = 3.05 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 4.84 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 = 81.21 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 6.04 W/kg
**SAR(1 g) = 3.83 W/kg; SAR(10 g) = 2.51 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.79 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: 2/14/2018 11:34:17 AM**

Robot#: DASY5-PG-3 | Run#: FD-SYSP-150H-180214-02
Dipole Model# CLA-150
Phantom#: ELI4 1022
Tissue Temp: 20.4 (C)
Serial#: 4010
Test Freq: 150.0000 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.130 dB
Adjusted SAR (1W): 4.04 mW/g (1g)

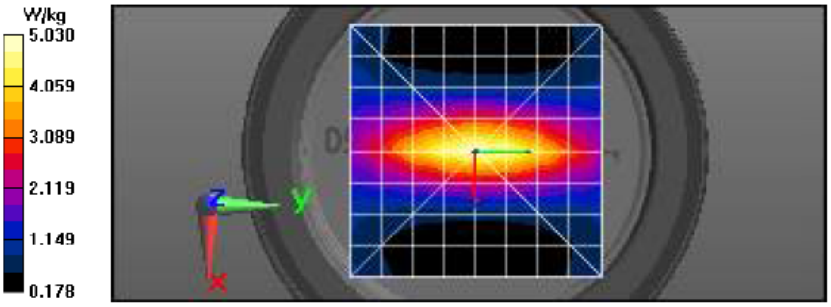
Comments:

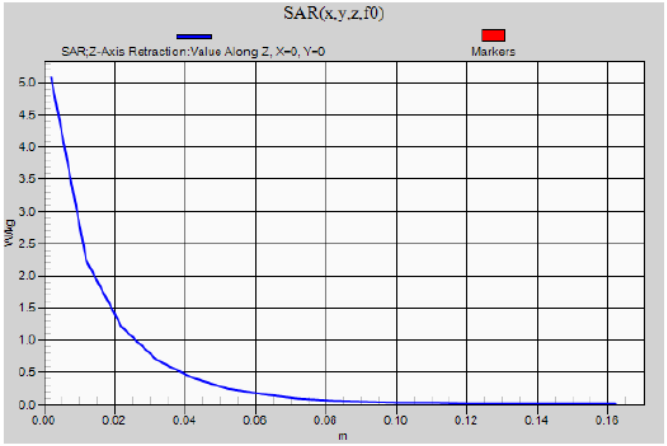
Duty Cycle: 1:1, Medium parameters used: f = 150 MHz; $\sigma$ = 0.72 S/m; $\varepsilon_r$ = 50.2; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3612, , Frequency: 150 MHz, ConvF(10.17, 10.17, 10.17); Calibrated: 5/17/2017
Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

### Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 83.32 V/m; Power Drift = 0.04 dB
**Fast SAR: SAR(1 g) = 4.48 W/kg; SAR(10 g) = 3.2 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.11 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 = 83.32 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 6.35 W/kg
**SAR(1 g) = 4.04 W/kg; SAR(10 g) = 2.65 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.05 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) = 5.08 W/kg



**Motorola Solutions, Inc. EME Laboratory**
**Date/Time: 2/26/2018 12:22:16 AM**

Robot#: DASY5-PG-3 | Run#: ZR-SYSP-150H-180226-01#
Dipole Model# CLA-150
Phantom#: ELI4 1022
Tissue Temp: 20.5 (C)
Serial#: 4010
Test Freq: 150.0000 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.16 dB
Adjusted SAR (1W): 3.61 mW/g (1g)

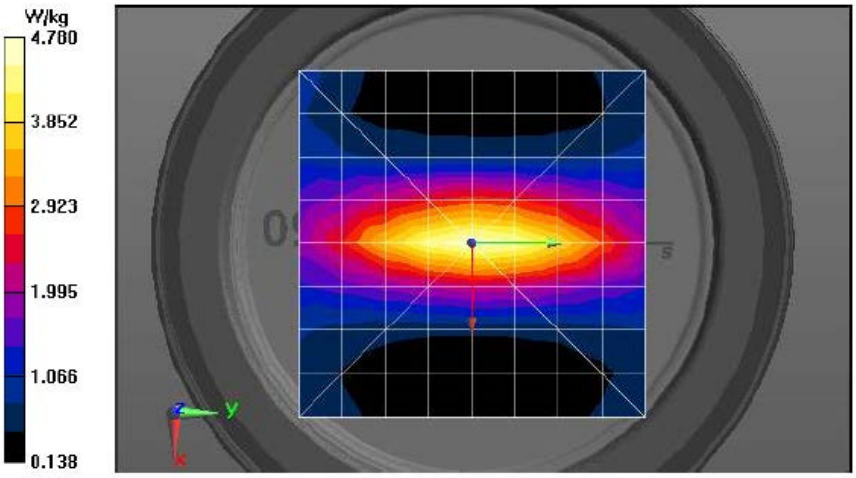
Comments:

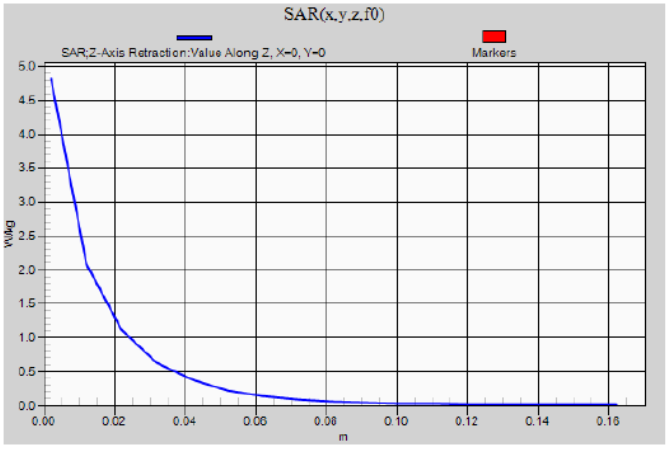
Duty Cycle: 1:1, Medium parameters used: f = 150 MHz; $\sigma$ = 0.77 S/m; $\varepsilon_r$ = 49.8; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3612, , Frequency: 150 MHz, ConvF(10.17, 10.17, 10.17); Calibrated: 5/17/2017
Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

**Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):**
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 79.16 V/m; Power Drift = -0.07 dB
**Fast SAR: SAR(1 g) = 4.04 W/kg; SAR(10 g) = 2.88 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 4.88 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 = 79.16 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 6.08 W/kg
**SAR(1 g) = 3.61 W/kg; SAR(10 g) = 2.35 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.80 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) = 4.82 W/kg



# Appendix F
# DUT Scans

## Assessments at the Body with Body worn RLN5644A - Table 18

**Motorola Solutions, Inc. EME Laboratory**
**Date/Time: 1/11/2018 12:39:31 AM**

| | |
|---|---|
| Robot#: DASY5-PG-1 \| Run#: | AZ-AB-180111-01# |
| Model#: | PMUD3231B |
| Phantom#: | ELI4 1011 |
| Tissue Temp: | 20.2 (C) |
| Serial#: | 752TTZ7469 |
| Antenna: | HAD9742A |
| Test Freq: | 156.4000 (MHz) |
| Battery: | NNTN4970A |
| Carry Acc: | RLN5644A |
| Audio Acc: | PMMN4092A |
| Start Power: | 5.65 (W) |

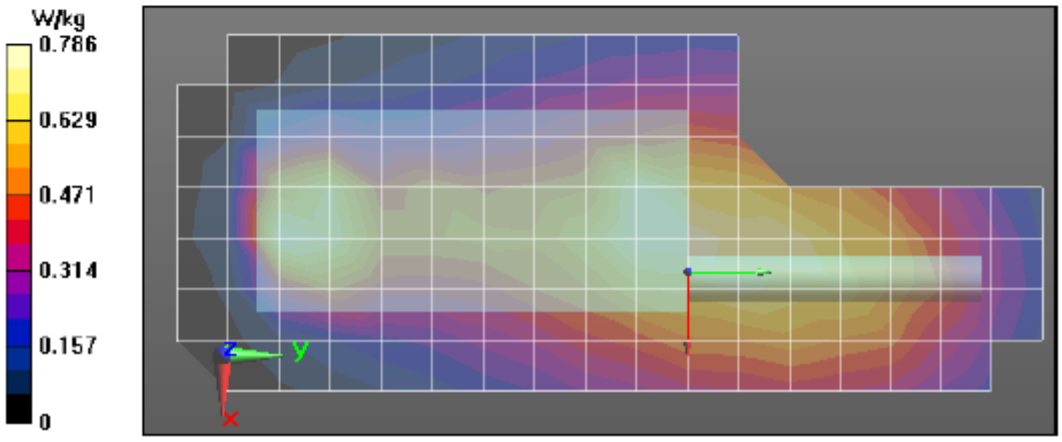
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 156 MHz; $\sigma$ = 0.78 S/m; $\varepsilon_r$ = 59.5; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 156 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

**Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 30.31 V/m; Power Drift = -0.32 dB
**Fast SAR: SAR(1 g) = 0.816 W/kg; SAR(10 g) = 0.552 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.05 W/kg

**Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 30.31 V/m; Power Drift = -0.31 dB
Peak SAR (extrapolated) = 1.35 W/kg
**SAR(1 g) = 0.656 W/kg; SAR(10 g) = 0.379 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.935 W/kg

**Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.924 W/kg



## Assessments at the Body with Body worn HLN8255B - Table 19

**Motorola Solutions, Inc. EME Laboratory**
**Date/Time: 1/13/2018 2:46:11 AM**

| | |
|---|---|
| Robot#: DASY5-PG-1 \| Run#: | AZ-AB-180113-05# |
| Model#: | PMUD3231B |
| Phantom#: | ELI4 1011 |
| Tissue Temp: | 19.9 (C) |
| Serial#: | 752TTZ7469 |
| Antenna: | HAD9743A |
| Test Freq: | 173.4000 (MHz) |
| Battery: | PMNN4098A |
| Carry Acc: | HLN8255B |
| Audio Acc: | PMMN4092A |
| Start Power: | 5.96 (W) |

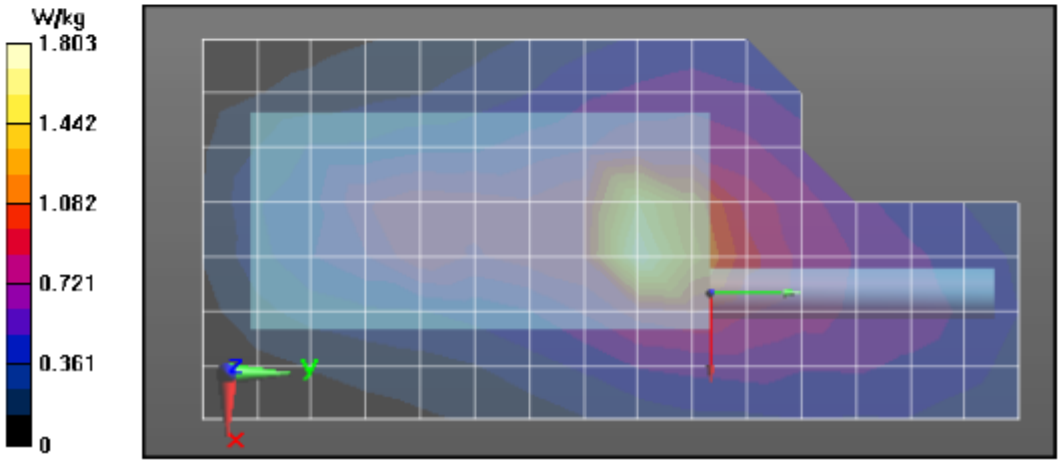
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 173 MHz; $\sigma$ = 0.8 S/m; $\varepsilon_r$ = 59.6; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 173.4 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

**Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x151x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 31.30 V/m; Power Drift = -0.36 dB
Fast SAR: SAR(1 g) = 1.56 W/kg; SAR(10 g) = 1.06 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.91 W/kg

**Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 31.30 V/m; Power Drift = -0.47 dB
Peak SAR (extrapolated) = 2.81 W/kg
SAR(1 g) = 1.43 W/kg; SAR(10 g) = 0.868 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.92 W/kg

**Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.91 W/kg



## Assessments at the Body with Body worn HLN6602A – Table 20

**Motorola Solutions, Inc. EME Laboratory**
**Date/Time: 1/15/2018 1:31:53 PM**

Robot#: DASY5-PG-1 | Run#: AZ-AB-180115-09
Model#: PMUD3231B
Phantom#: ELI4 1011
Tissue Temp: 19.8 (C)
Serial#: 752TTZ7469
Antenna: HAD9743A
Test Freq: 173.4000 (MHz)
Battery: NNTN4970A
Carry Acc: HLN6602A
Audio Acc: PMMN4092A
Start Power: 5.60 (W)

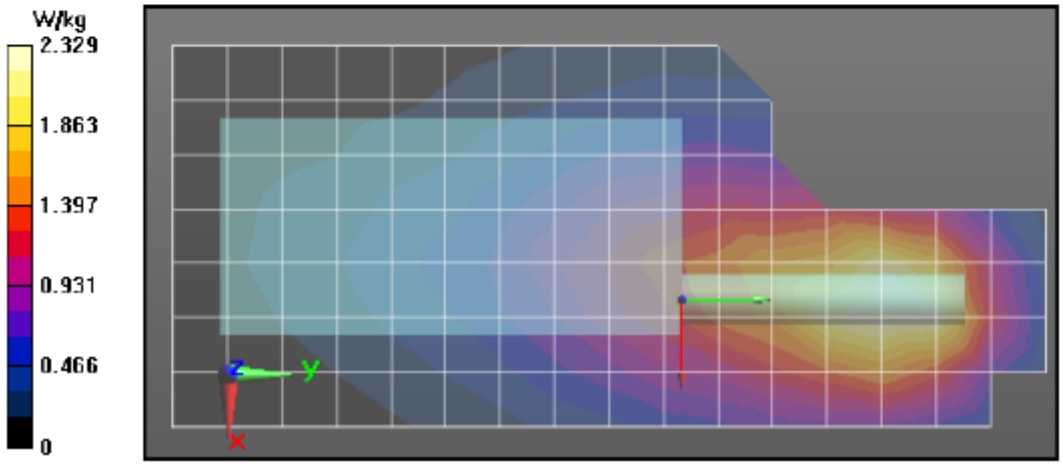
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 173 MHz; $\sigma$ = 0.8 S/m; $\varepsilon_r$ = 59.6; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 173.4 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

**Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 47.37 V/m; Power Drift = -0.18 dB
**Fast SAR: SAR(1 g) = 2.14 W/kg; SAR(10 g) = 1.58 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.50 W/kg

**Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (6x7x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 47.37 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 2.88 W/kg
**SAR(1 g) = 1.87 W/kg; SAR(10 g) = 1.28 W/kg** (SAR corrected for target medium)

**Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.29 W/kg



## Assessments at the Body with Body worn RLN4815A - Table 21

**Motorola Solutions, Inc. EME Laboratory**
**Date/Time: 1/23/2018 2:31:13 AM**

| | |
|---|---|
| Robot#: DASY5-PG-1 \| Run#: | AZ-AB-180123-04# |
| Model#: | PMUD3231B |
| Phantom#: | ELI4 1011 |
| Tissue Temp: | 19.7 (C) |
| Serial#: | 752TTZ7469 |
| Antenna: | HAD9743A |
| Test Freq: | 173.4000 (MHz) |
| Battery: | PMNN4098A |
| Carry Acc: | RLN4815A |
| Audio Acc: | PMMN4092A |
| Start Power: | 5.95 (W) |

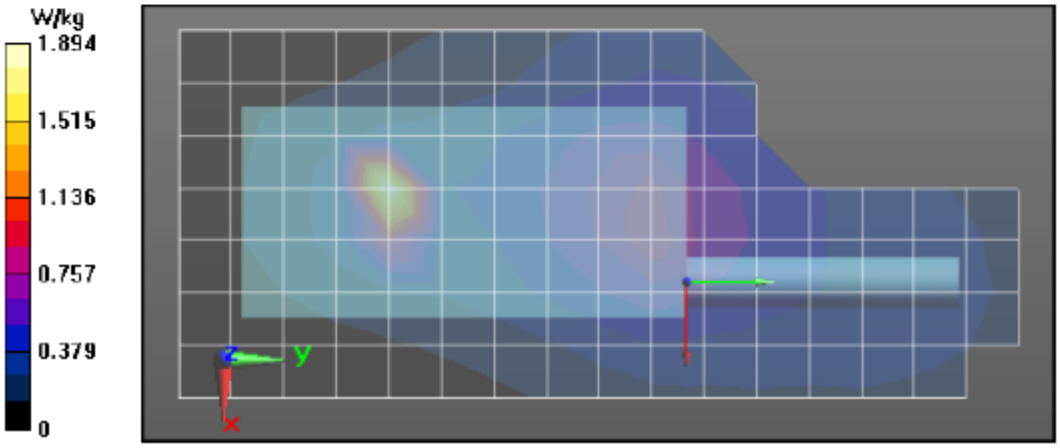
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 173 MHz; $\sigma$ = 0.78 S/m; $\varepsilon_r$ = 58.6; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 173.4 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

**Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x211x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 25.17 V/m; Power Drift = -0.24 dB
**Fast SAR: SAR(1 g) = 1.3 W/kg; SAR(10 g) = 0.667 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.95 W/kg

**Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 25.17 V/m; Power Drift = -0.22 dB
Peak SAR (extrapolated) = 3.78 W/kg
**SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.471 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.73 W/kg

**Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.36 W/kg



## Assessments at the Body with Body worn RLN4570A - Table 22

**Motorola Solutions, Inc. EME Laboratory**
**Date/Time: 1/19/2018 1:07:36 AM**

Robot#: DASY5-PG-1 | Run#: ZR(AN)-AB-180119-02#
Model#: PMUD3231B
Phantom#: ELI4 1011
Tissue Temp: 20.4 (C)
Serial#: 752TTZ7469
Antenna: HAD9743A
Test Freq: 173.4000 (MHz)
Battery: PMNN4072A
Carry Acc: RLN4570A
Audio Acc: PMMN4092A
Start Power: 5.75 (W)

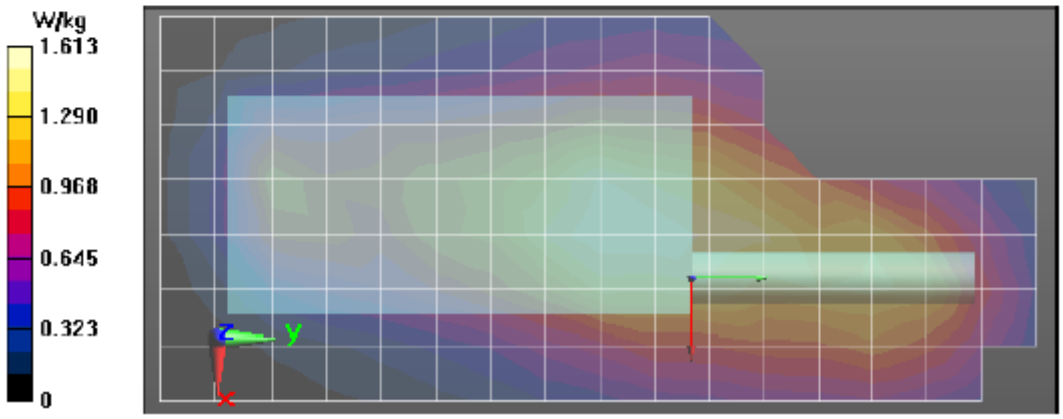
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 173 MHz; $\sigma$ = 0.78 S/m; $\varepsilon_r$ = 59.2; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 173.4 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

**Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x211x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 42.82 V/m; Power Drift = -0.35 dB
Fast SAR: SAR(1 g) = 1.47 W/kg; SAR(10 g) = 1.11 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.65 W/kg

**Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 42.82 V/m; Power Drift = -0.47 dB
Peak SAR (extrapolated) = 1.91 W/kg
SAR(1 g) = 1.38 W/kg; SAR(10 g) = 1.03 W/kg (SAR corrected for target medium)

**Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.55 W/kg



## Assessments at the Body with Body worn RLN5383A w/ NTN5243A - Table 23

**Motorola Solutions, Inc. EME Laboratory**
**Date/Time: 1/22/2018 10:46:09 AM**

Robot#: DASY5-PG-1 | Run#: AM(AN)-AB-180122-03
Model#: PMUD3231B
Phantom#: ELI4 1011
Tissue Temp: 20.2 (C)
Serial#: 752TTZ7469
Antenna: HAD9743A
Test Freq: 173.4000 (MHz)
Battery: PMNN4072A
Carry Acc: RLN5383A w/ NTN5243A
Audio Acc: PMMN4092A
Start Power: 5.89 (W)

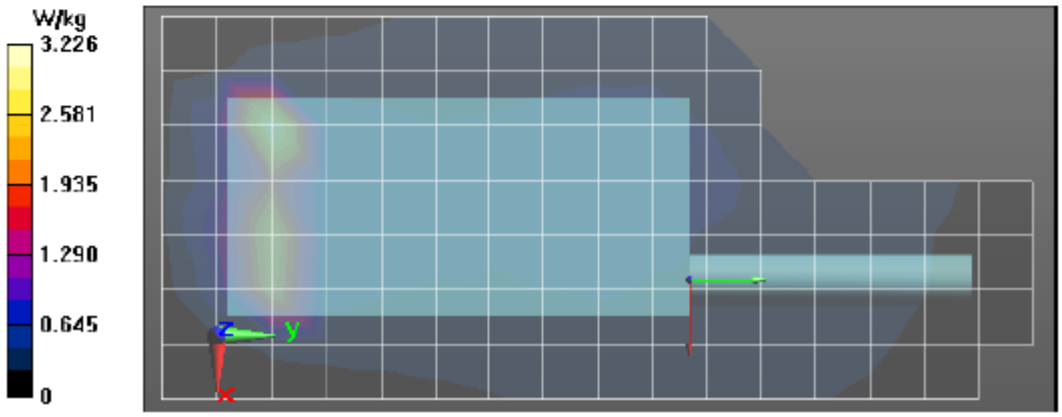
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 173 MHz; $\sigma$ = 0.78 S/m; $\varepsilon_r$ = 58.6; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 173.4 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

**Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x211x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 24.95 V/m; Power Drift = 0.38 dB
Fast SAR: SAR(1 g) = 2.3 W/kg; SAR(10 g) = 1.27 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.52 W/kg

**Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 24.95 V/m; Power Drift = 0.46 dB
Peak SAR (extrapolated) = 15.1 W/kg
SAR(1 g) = 3.35 W/kg; SAR(10 g) = 1.1 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.50 W/kg

**Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 7.89 W/kg



## Assessments at the Body with Body worn RLN5384B w/ NTN5243A - Table 24

**Motorola Solutions, Inc. EME Laboratory**
**Date/Time: 1/25/2018 2:29:08 AM**

| | |
|---|---|
| Robot#: DASY5-PG-1 \| Run#: | AZ-AB-180125-04# |
| Model#: | PMUD3231B |
| Phantom#: | ELI4 1011 |
| Tissue Temp: | 20.3 (C) |
| Serial#: | 752TTZ7469 |
| Antenna: | HAD9743A |
| Test Freq: | 173.4000 (MHz) |
| Battery: | NNTN4851A |
| Carry Acc: | RLN5384B w/ NTN5243A |
| Audio Acc: | PMMN4092A |
| Start Power: | 5.91 (W) |

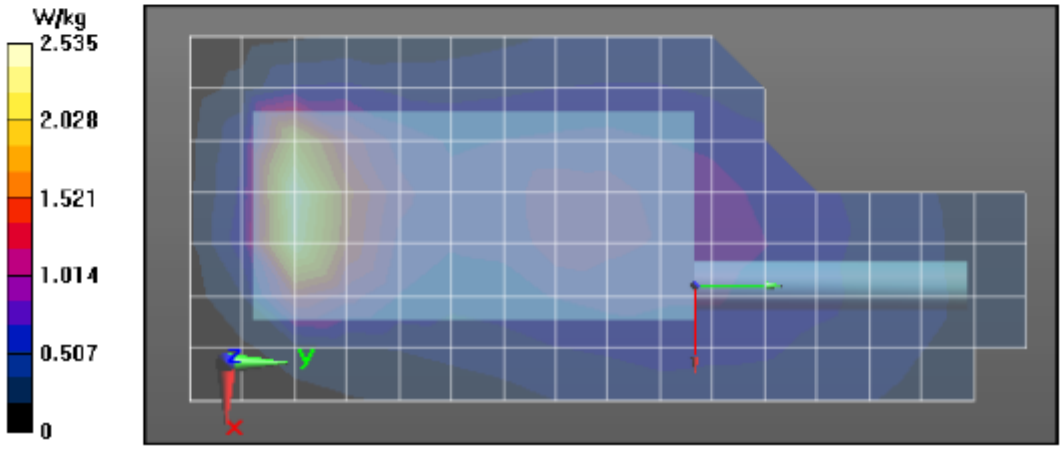
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 173 MHz; $\sigma$ = 0.81 S/m; $\varepsilon_r$ = 59.5; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 173.4 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

**Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x211x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 31.21 V/m; Power Drift = -0.39 dB
**Fast SAR: SAR(1 g) = 2.18 W/kg; SAR(10 g) = 1.43 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.75 W/kg

**Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 31.21 V/m; Power Drift = -0.31 dB
Peak SAR (extrapolated) = 3.52 W/kg
**SAR(1 g) = 1.74 W/kg; SAR(10 g) = 0.993 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.41 W/kg

**Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.38 W/kg



## Assessments at the Body with Body worn HLN9701B w/ NTN5243A - Table 25

**Motorola Solutions, Inc. EME Laboratory**
**Date/Time: 1/26/2018 3:10:22 AM**

| | |
|---|---|
| Robot#: DASY5-PG-1 \| Run#: | AZ-AB-180126-05# |
| Model#: | PMUD3231B |
| Phantom#: | ELI4 1011 |
| Tissue Temp: | 20.2 (C) |
| Serial#: | 752TTZ7469 |
| Antenna: | HAD9743A |
| Test Freq: | 173.4000 (MHz) |
| Battery: | PMNN4098A |
| Carry Acc: | HLN9701B w/ NTN5243A |
| Audio Acc: | PMMN4092A |
| Start Power: | 5.97 (W) |

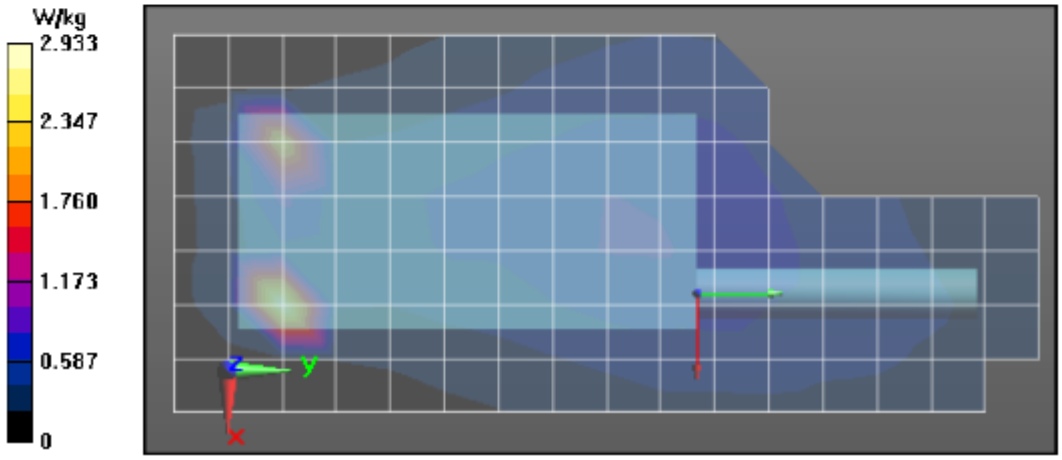
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 173 MHz; $\sigma$ = 0.81 S/m; $\varepsilon_r$ = 59.4; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 173.4 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

**Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x211x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 28.39 V/m; Power Drift = -0.50 dB
**Fast SAR: SAR(1 g) = 1.68 W/kg; SAR(10 g) = 0.741 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.01 W/kg

**Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 28.39 V/m; Power Drift = -0.50 dB
Peak SAR (extrapolated) = 7.19 W/kg
**SAR(1 g) = 1.53 W/kg; SAR(10 g) = 0.513 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.59 W/kg

**Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 4.85 W/kg



# Assessment at the Face - Table 27

## Motorola Solutions, Inc. EME Laboratory

**Date/Time: 1/27/2018 3:42:25 AM**

Robot#: DASY5-PG-1 | Run#: AZ-FACE-180127-05#
Model#: PMUD3231B
Phantom#: ELI4 1022
Tissue Temp: 20.1 (C)
Serial#: 752TTZ7469
Antenna: NAD6502AR
Test Freq: 155.0000 (MHz)
Battery: PMNN4098A
Carry Acc: None, Radio @ Front
Audio Acc: None
Start Power: 5.88 (W)

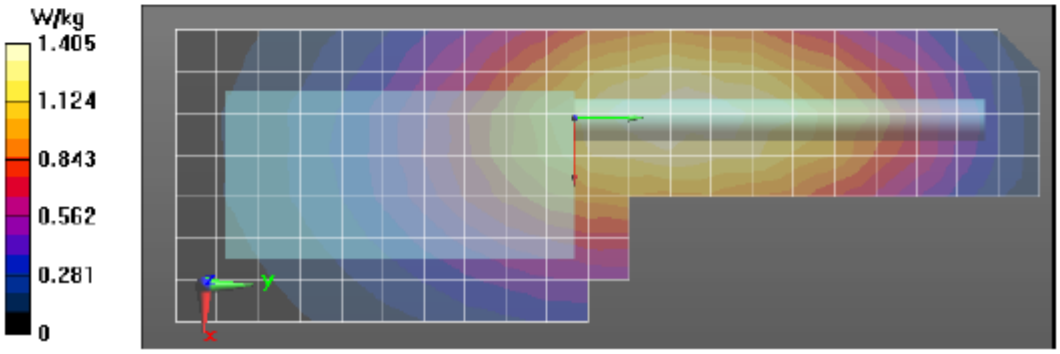
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 155 MHz; $\sigma$ = 0.74 S/m; $\varepsilon_r$ = 49.7; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 155 MHz, ConvF(11.79, 11.79, 11.79); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

**Below 2 GHz-Rev.2/Face Scan/1-Area Scan (71x211x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 43.51 V/m; Power Drift = -0.22 dB
**Fast SAR: SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.945 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.41 W/kg

**Below 2 GHz-Rev.2/Face Scan/3-Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 43.51 V/m; Power Drift = -0.25 dB
Peak SAR (extrapolated) = 1.52 W/kg
**SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.937 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.36 W/kg

**Below 2 GHz-Rev.2/Face Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.33 W/kg



## Assessment at outside FCC Part 90 for Body - Table 28

**Motorola Solutions, Inc. EME Laboratory**
**Date/Time: 2/25/2018 10:42:32 PM**

Robot#: DASY5-PG-3 | Run#: ZR-AB-180225-13
Model#: AAH01JDC9JA2AN (PMUD3231B)
Phantom#: ELI5 1150
Tissue Temp: 20.9 (C)
Serial#: 752TTZ7469
Antenna: PMAD4042A
Test Freq: 136.0000 (MHz)
Battery: PMNN4072A
Carry Acc: RLN5383A w/ NTN5243A
Audio Acc: PMMN4092A
Start Power: 5.81 (W)

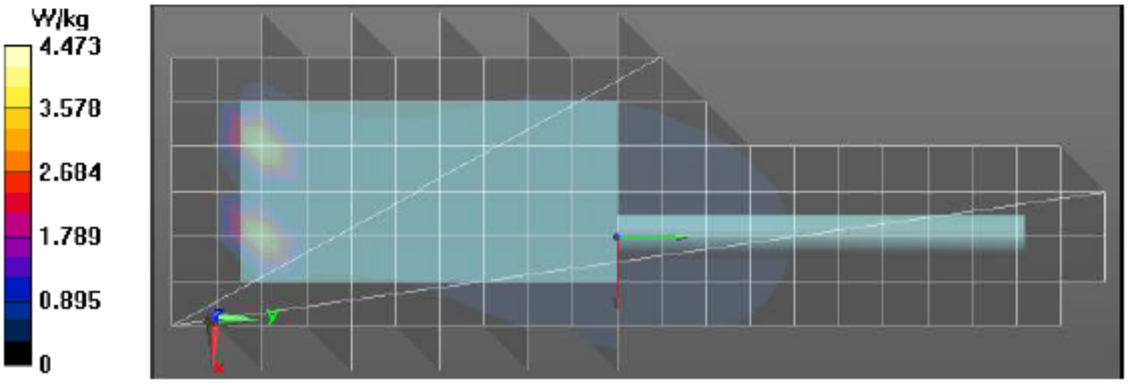
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 136 MHz; $\sigma$ = 0.79 S/m; $\varepsilon_r$ = 60.1; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3612, , Frequency: 136 MHz, ConvF(9.82, 9.82, 9.82); Calibrated: 5/17/2017
Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

**Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (81x211x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 73.64 V/m; Power Drift = 0.02 dB
**Fast SAR: SAR(1 g) = 2.39 W/kg; SAR(10 g) = 0.990 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 4.47 W/kg

**Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 73.64 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 11.1 W/kg
**SAR(1 g) = 2.12 W/kg; SAR(10 g) = 0.643 W/kg** (SAR corrected for target medium)

**Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 5.30 W/kg



## Assessment at outside FCC Part 90 for Face - Table 28

**Motorola Solutions, Inc. EME Laboratory**
**Date/Time: 2/26/2018 4:09:10 AM**

Robot#: DASY5-PG-3 | Run#: ZR-FACE-180226-05#
Model#: AAH01JDC9JA2AN (PMUD3231B)
Phantom#: ELI4 1022
Tissue Temp: 20.1 (C)
Serial#: 752TTZ7469
Antenna: PMAD4014A
Test Freq: 136.0000 (MHz)
Battery: PMNN4098A
Carry Acc: None, Radio @ Front
Audio Acc: None
Start Power: 5.95 (W)

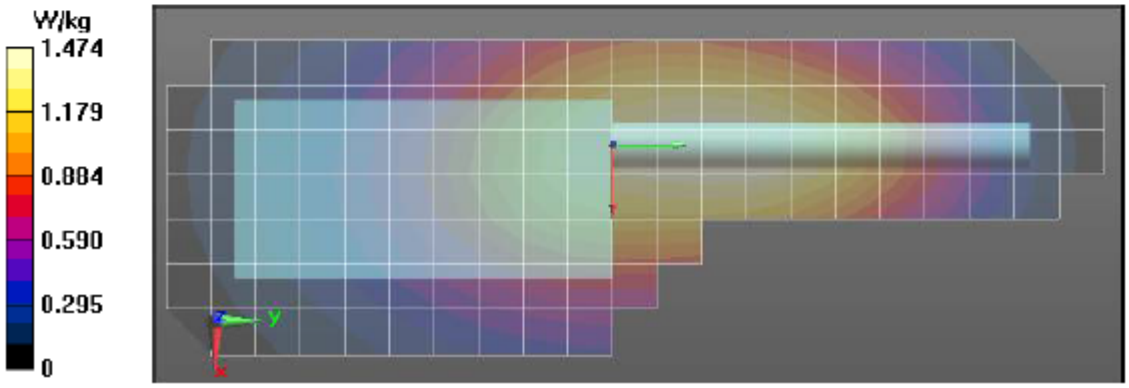
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 136 MHz; $\sigma$ = 0.76 S/m; $\varepsilon_r$ = 50.3; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3612, , Frequency: 136 MHz, ConvF(10.17, 10.17, 10.17); Calibrated: 5/17/2017
Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

**Below 2 GHz-Rev.2/FACE Scan/1-Area Scan (71x211x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 41.39 V/m; Power Drift = 0.26 dB
**Fast SAR: SAR(1 g) = 1.31 W/kg; SAR(10 g) = 1.02 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.50 W/kg

**Below 2 GHz-Rev.2/FACE Scan/3-Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 41.39 V/m; Power Drift = 0.28 dB
Peak SAR (extrapolated) = 1.76 W/kg
**SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.984 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.51 W/kg

**Below 2 GHz-Rev.2/FACE Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.49 W/kg



# Assessment at Body for ISED Canada - Table 29

## Motorola Solutions, Inc. EME Laboratory
**Date/Time: 2/25/2018 2:45:18 PM**

| | |
|---|---|
| Robot#: DASY5-PG-3 \| Run#: | FD-AB-180225-06 |
| Model#: | AAH01JDC9JA2AN (PMUD3231B) |
| Phantom#: | ELI5 1150 |
| Tissue Temp: | 20.4 (C) |
| Serial#: | 752TTZ7469 |
| Antenna: | NAD6502AR |
| Test Freq: | 146.0000 (MHz) |
| Battery: | PMNN4072A |
| Carry Acc: | RLN5383A w/ NTN5243A |
| Audio Acc: | PMMN4092A |
| Start Power: | 5.77 (W) |

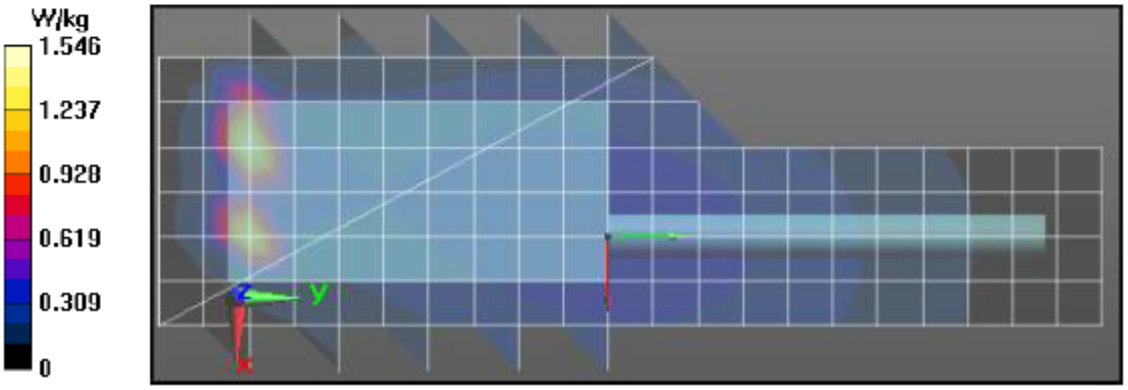
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 146 MHz; $\sigma$ = 0.79 S/m; $\varepsilon_r$ = 59.8; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3612, , Frequency: 146 MHz, ConvF(9.82, 9.82, 9.82); Calibrated: 5/17/2017
Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

**Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (81x221x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 44.36 V/m; Power Drift = 0.31 dB
**Fast SAR: SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.582 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.56 W/kg

**Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 44.36 V/m; Power Drift = 0.26 dB
Peak SAR (extrapolated) = 8.61 W/kg
**SAR(1 g) = 1.5 W/kg; SAR(10 g) = 0.451 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.90 W/kg

**Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.79 W/kg



# Assessment at Face for ISED Canada - Table 29

## Motorola Solutions, Inc. EME Laboratory

**Date/Time: 2/26/2018 5:50:15 AM**

Robot#: DASY5-PG-3 | Run#: ZR-FACE-180226-08#
Model#: AAH01JDC9JA2AN (PMUD3231B)
Phantom#: ELI4 1022
Tissue Temp: 19.6 (C)
Serial#: 752TTZ7469
Antenna: PMAD4042A
Test Freq: 142.0000 (MHz)
Battery: PMNN4098A
Carry Acc: None, Radio @ Front
Audio Acc: None
Start Power: 5.98 (W)

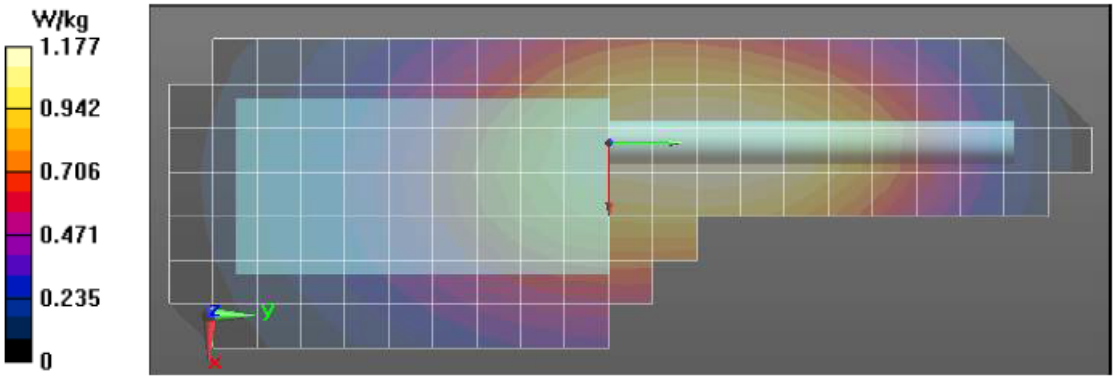
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 142 MHz; $\sigma$ = 0.76 S/m; $\varepsilon_r$ = 50.1; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3612, , Frequency: 142 MHz, ConvF(10.17, 10.17, 10.17); Calibrated: 5/17/2017
Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

**Below 2 GHz-Rev.2/FACE Scan/1-Area Scan (71x211x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 40.81 V/m; Power Drift = -0.73 dB
**Fast SAR: SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.816 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.21 W/kg

**Below 2 GHz-Rev.2/FACE Scan/3-Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 40.81 V/m; Power Drift = -0.80 dB
Peak SAR (extrapolated) = 1.38 W/kg
**SAR(1 g) = 0.996 W/kg; SAR(10 g) = 0.767 W/kg** (SAR corrected for target medium)

**Below 2 GHz-Rev.2/FACE Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.15 W/kg



# APPENDIX G
# Shortened Scan of Highest SAR configuration

# Shortened Scan
# Table 30

## Motorola Solutions, Inc. EME Laboratory
**Date/Time: 1/30/2018 8:04:51 AM**

| | |
|---|---|
| Robot#: DASY5-PG-1 \| Run#: | AZ-AB-180130-06# |
| Model#: | PMUD3231B |
| Phantom#: | ELI4 1011 |
| Tissue Temp: | 20.4 (C) |
| Serial#: | 752TTZ7469 |
| Antenna: | HAD9743A |
| Test Freq: | 173.4000 (MHz) |
| Battery: | PMNN4072A |
| Carry Acc: | RLN5383A w/ NTN5243A |
| Audio Acc: | PMMN4092A |
| Start Power: | 5.82 (W) |

Comments: Shorten Scan

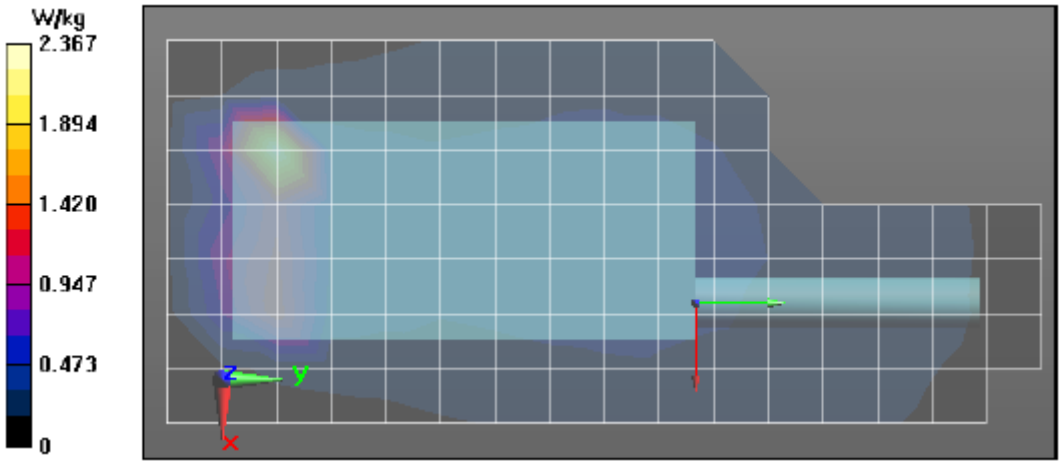
Duty Cycle: 1:1, Medium parameters used: f = 173 MHz; $\sigma$ = 0.8 S/m; $\varepsilon_r$ = 59.5; $\rho$ = 1000 kg/m$^3$
Probe: EX3DV4 - SN3735, , Frequency: 173.4 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

**Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x211x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 22.98 V/m; Power Drift = -0.15 dB
**Fast SAR: SAR(1 g) = 1.7 W/kg; SAR(10 g) = 0.897 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.58 W/kg

**Below 2 GHz-Rev.2/Ab Scan/2-Volume 2D Scan (41x41x1):** Interpolated grid: dx=0.7500 mm, dy=0.7500 mm, dz=1.000 mm
Reference Value = 22.98 V/m; Power Drift = -0.17 dB
**Fast SAR: SAR(1 g) = 4.46 W/kg; SAR(10 g) = 1.6 W/kg** (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 7.41 W/kg

**Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 101.9 V/m; Power Drift = -0.39 dB
Peak SAR (extrapolated) = 16.2 W/kg
SAR(1 g) = 3.44 W/kg; SAR(10 g) = 1.1 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.36 W/kg

**Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 6.39 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) |
|---|---|---|---|
| Shorten scan (zoom) | 30 | 8 | 1.94 |
| Full scan (area & zoom) | 23 | 25 | 1.71 |

# 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**