

**MOTOROLA SOLUTIONS**

MS ISO/IEC 17025
TESTING
SMM 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,
AAH01JDC9JC2AN (PMUD3231B) / PMUD3231BAANEA
Serial Number(s): 752TTZ7469, 752TTZ7451
Classification: Occupational/Controlled
FCC ID: AZ489FT3845; LMR 150.8-173.4MHz
This report contains results that are immaterial for FCC equipment approval, which are clearly identified.

IC: 109U-89FT3845
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

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; $\epsilon_r = 59.7$; $\rho = 1000$ kg/m³
 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):

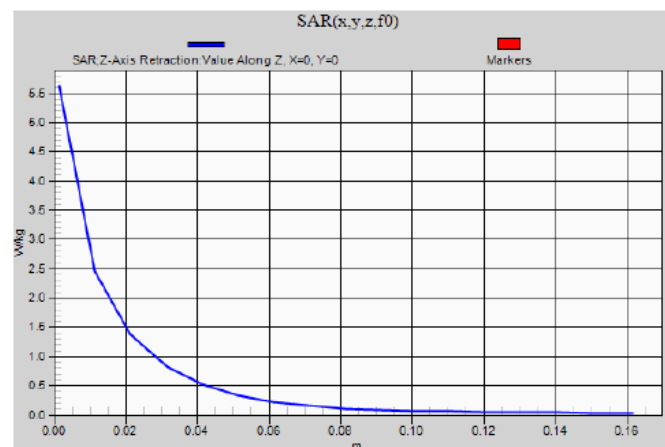
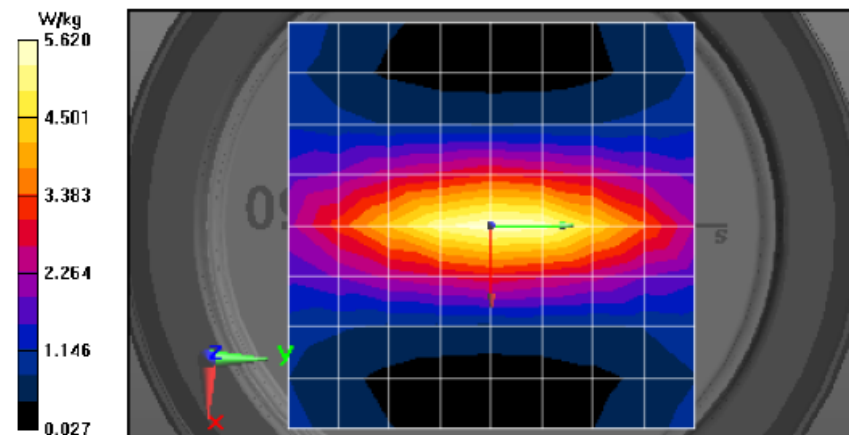
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 83.88 V/m; Power Drift = 0.06 dB
 Fast SAR: SAR(1 g) = 4.76 W/kg; SAR(10 g) = 3.39 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 5.74 W/kg

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 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: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm



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; $\epsilon_r = 61.2$; $\rho = 1000$ kg/m³
 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):

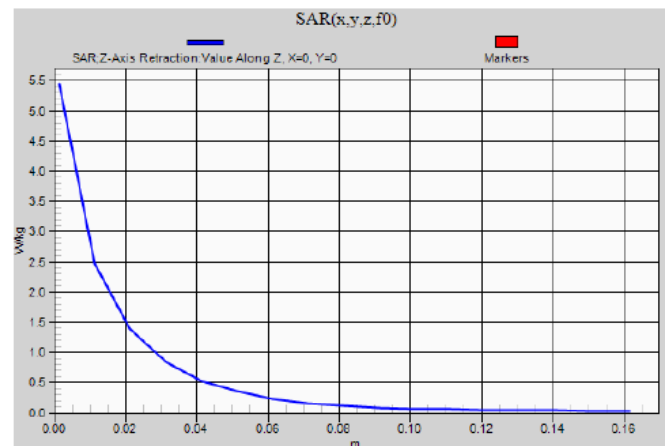
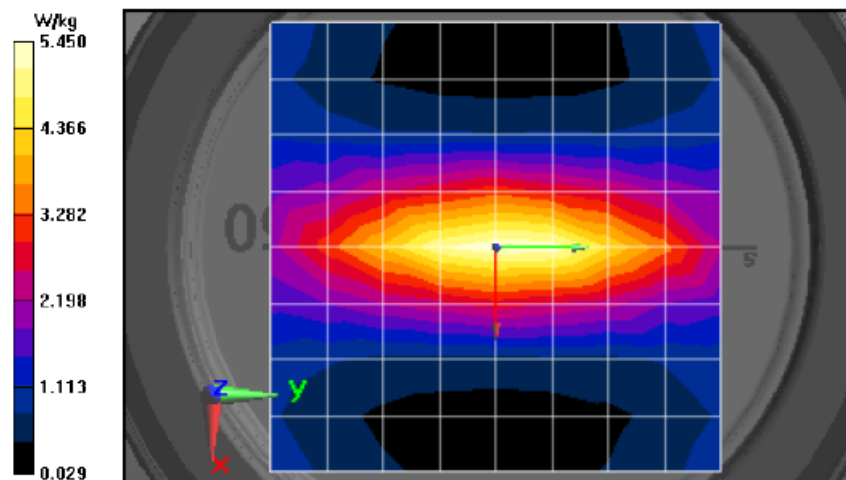
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 84.80 V/m; Power Drift = -0.14 dB
 Fast SAR: SAR(1 g) = 4.67 W/kg; SAR(10 g) = 3.33 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 5.59 W/kg

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 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: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 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; $\epsilon_r = 60.4$; $\rho = 1000$ kg/m³
 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):

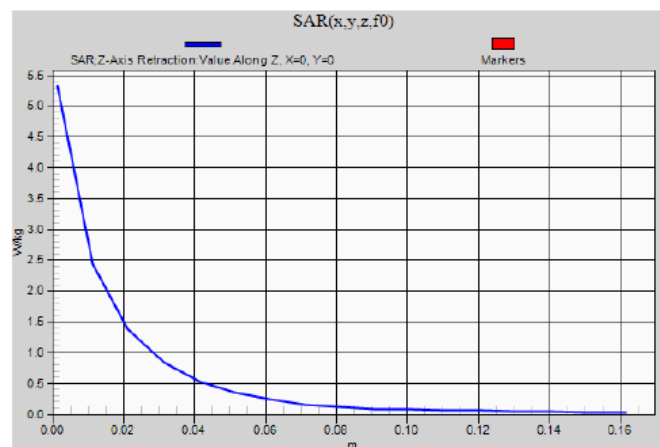
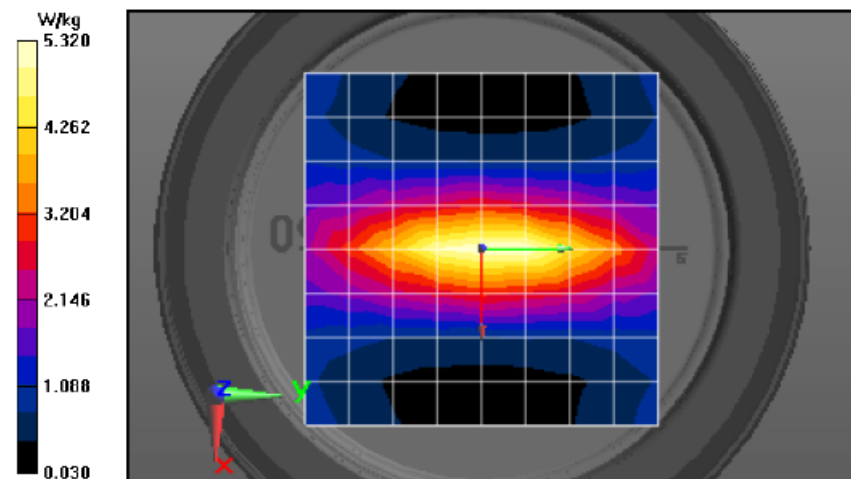
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 82.05 V/m; Power Drift = 0.10 dB
 Fast SAR: SAR(1 g) = 4.53 W/kg; SAR(10 g) = 3.24 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 5.51 W/kg

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 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: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 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; $\epsilon_r = 60.4$; $\rho = 1000$ kg/m³
 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):

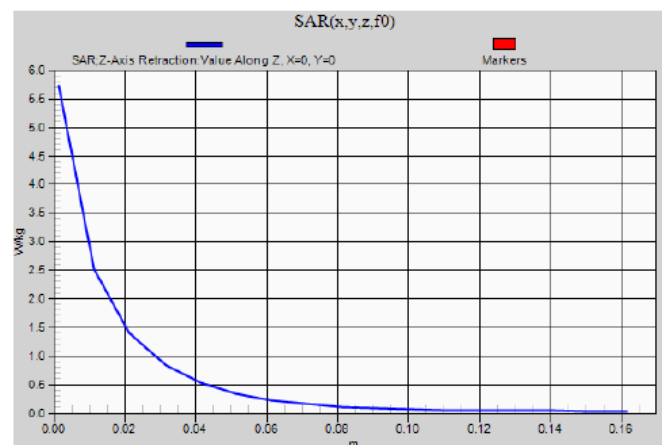
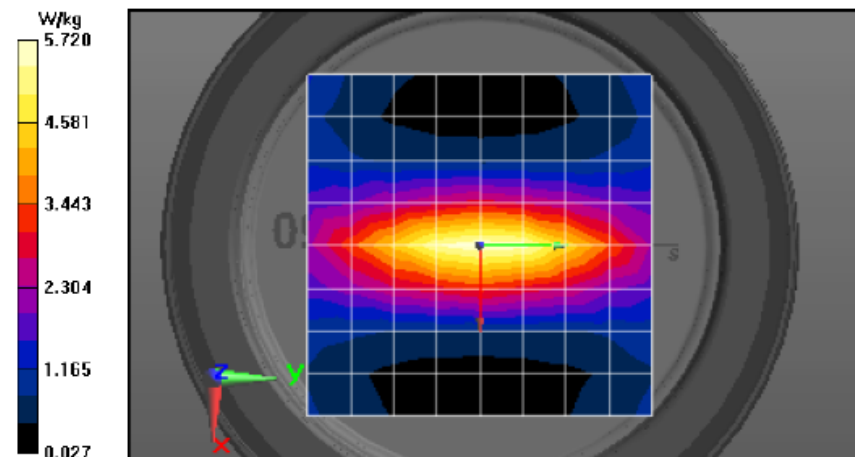
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 84.63 V/m; Power Drift = -0.02 dB
 Fast SAR: SAR(1 g) = 4.81 W/kg; SAR(10 g) = 3.44 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 5.83 W/kg

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 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: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 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; $\epsilon_r = 60.3$; $\rho = 1000$ kg/m³
 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):

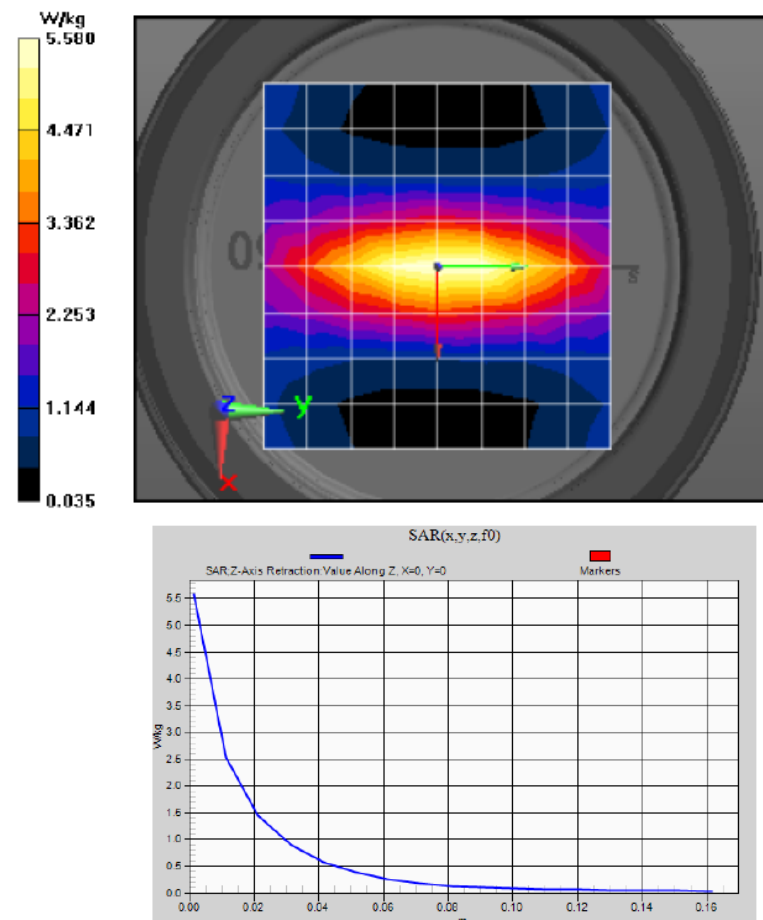
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 85.30 V/m; Power Drift = -0.11 dB
 Fast SAR: SAR(1 g) = 4.9 W/kg; SAR(10 g) = 3.49 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 5.89 W/kg

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 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: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 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; $\epsilon_r = 60.3$; $\rho = 1000$ kg/m³
 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):

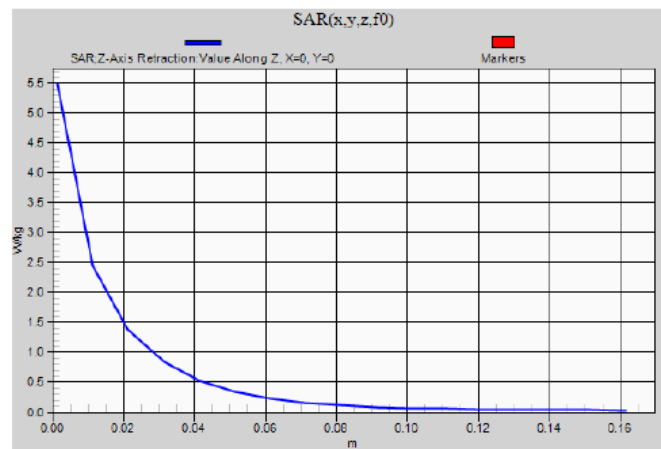
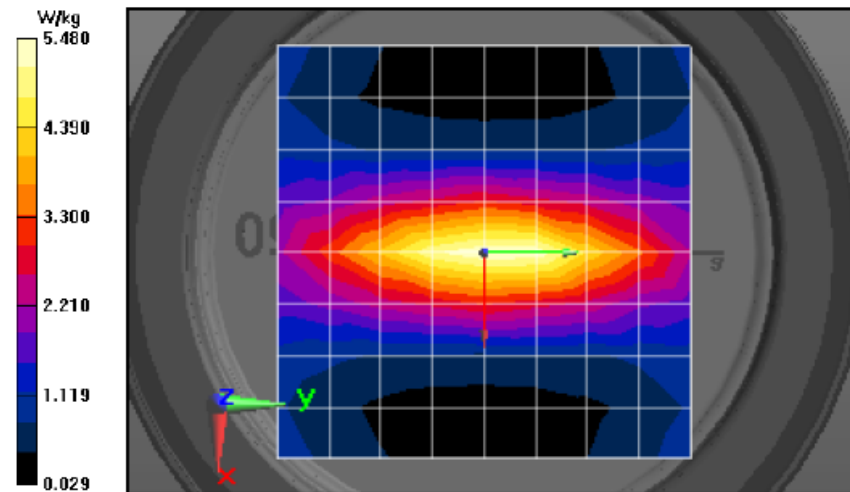
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 82.80 V/m; Power Drift = -0.01 dB
 Fast SAR: SAR(1 g) = 4.69 W/kg; SAR(10 g) = 3.34 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 5.65 W/kg

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 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: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm



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; $\epsilon_r = 60.3$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN3735, , Frequency: 150 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

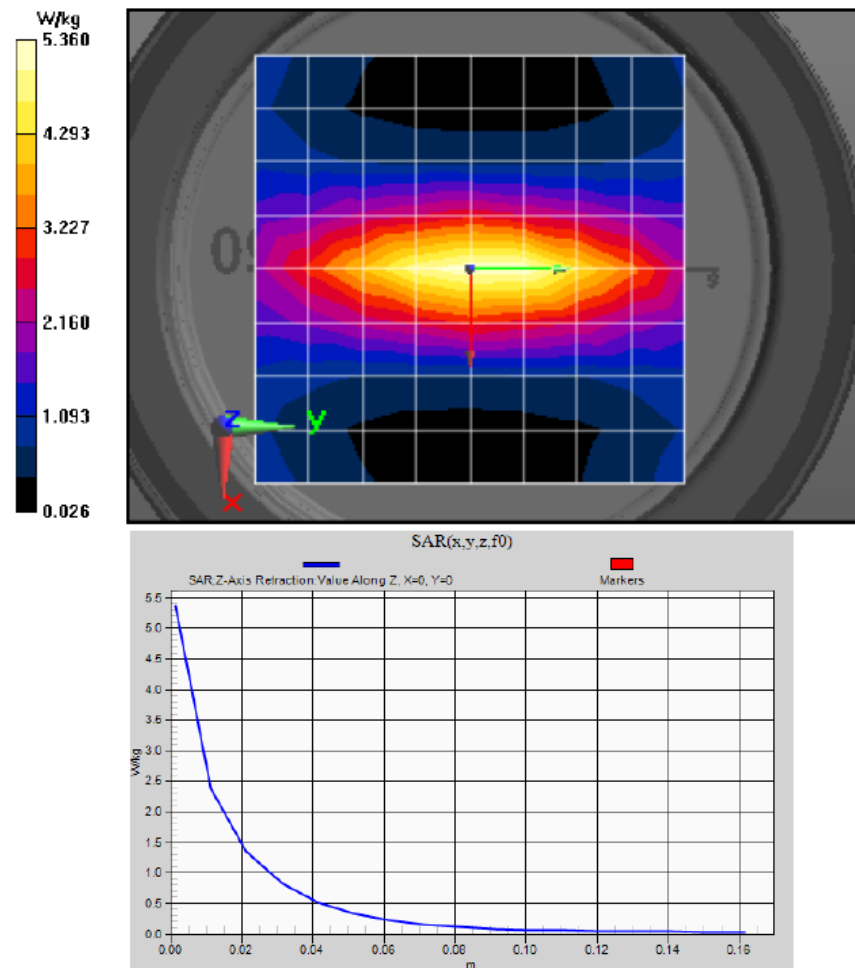
Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (81x81x1):

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: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
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: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm

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; $\epsilon_r = 59.7$; $\rho = 1000$ kg/m³
 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):

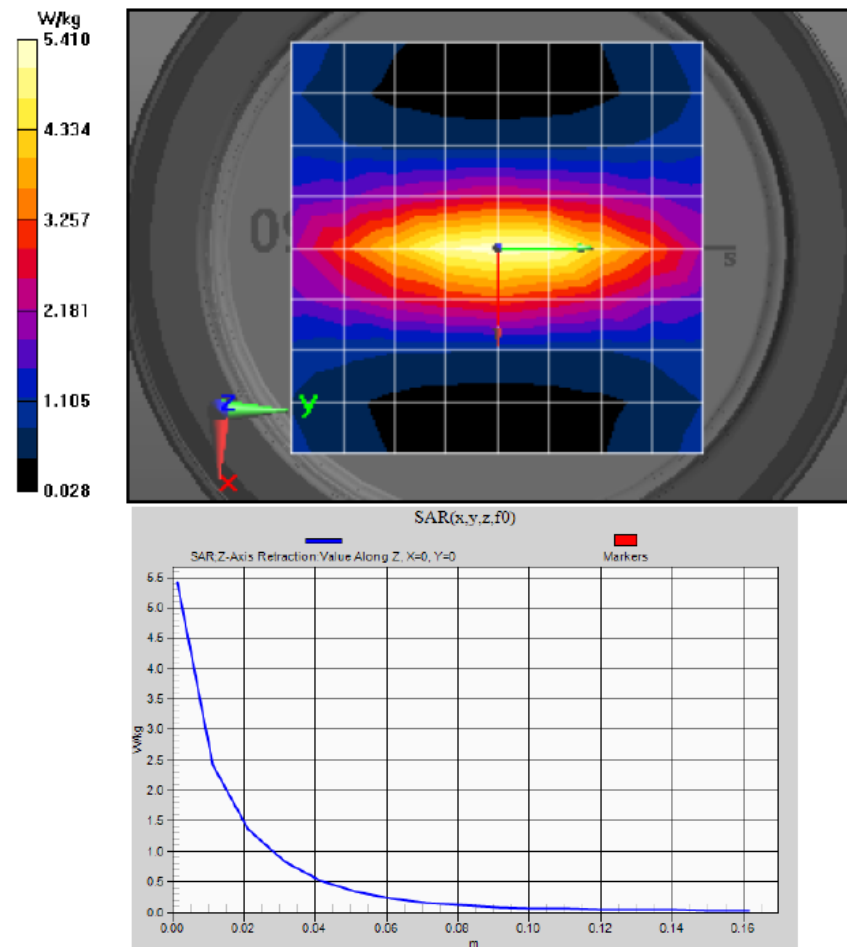
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 82.88 V/m; Power Drift = -0.05 dB
 Fast SAR: SAR(1 g) = 4.58 W/kg; SAR(10 g) = 3.28 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 5.53 W/kg

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 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: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 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; $\epsilon_r = 59.2$; $\rho = 1000$ kg/m³
 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):

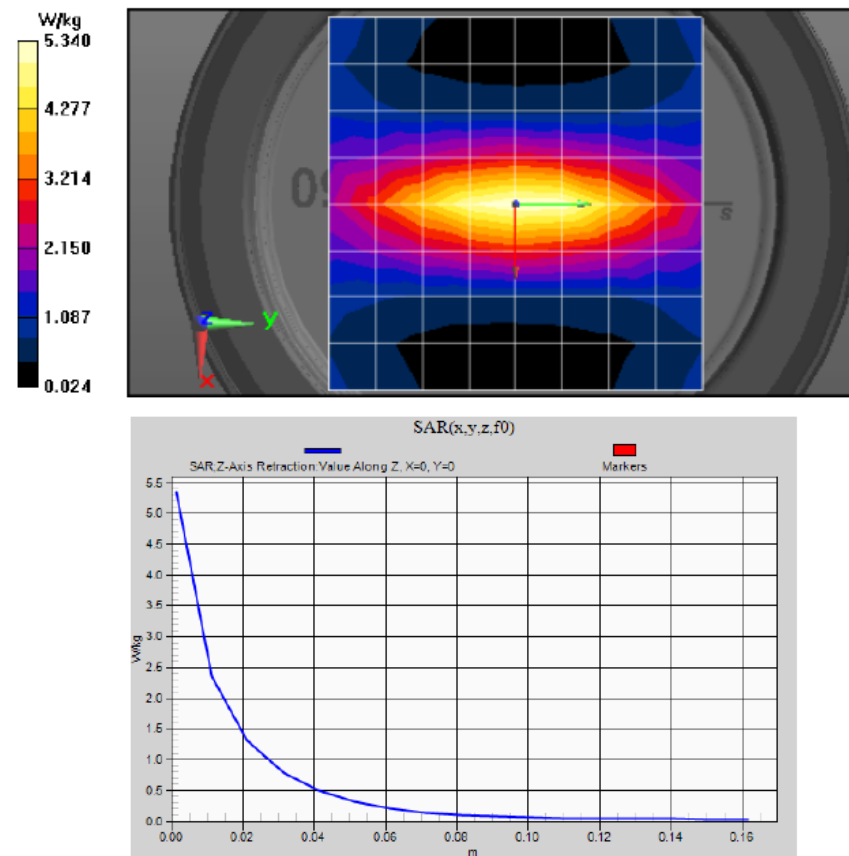
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 83.32 V/m; Power Drift = 0.02 dB
 Fast SAR: SAR(1 g) = 4.65 W/kg; SAR(10 g) = 3.32 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 5.51 W/kg

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 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: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm



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; $\epsilon_r = 61.4$; $\rho = 1000$ kg/m³
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):

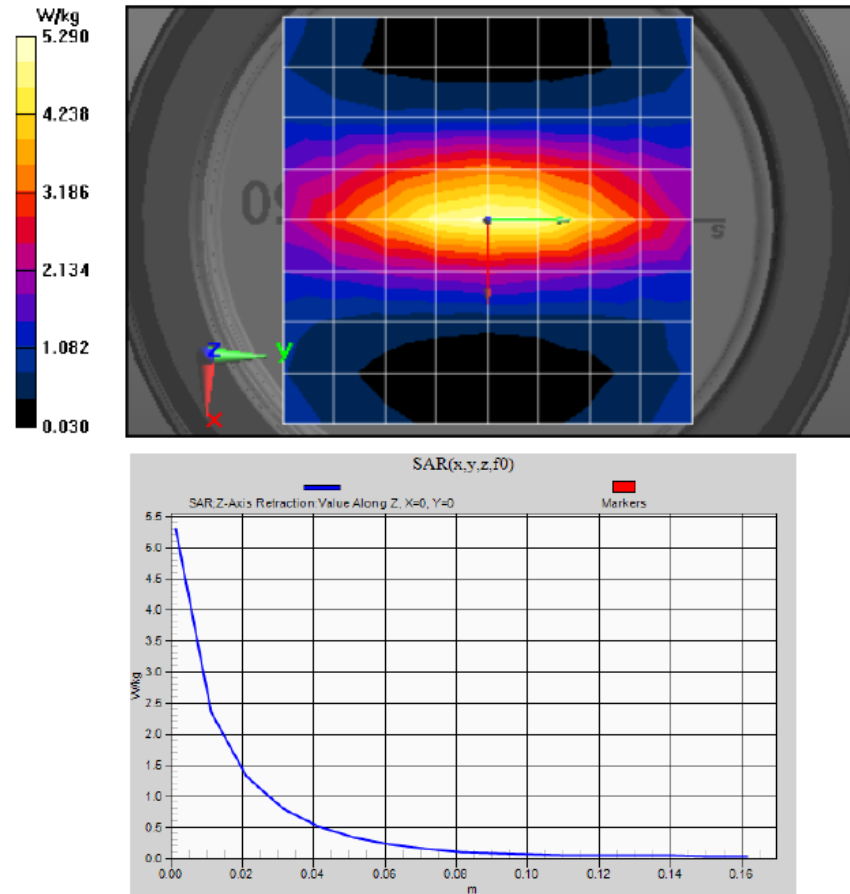
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Reference Value = 81.97 V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 4.54 W/kg; SAR(10 g) = 3.24 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.40 W/kg

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
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: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm



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; $\epsilon_r = 60$; $\rho = 1000$ kg/m³
 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):

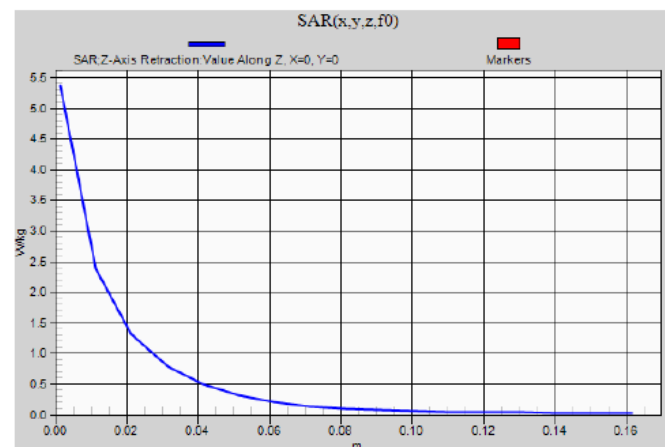
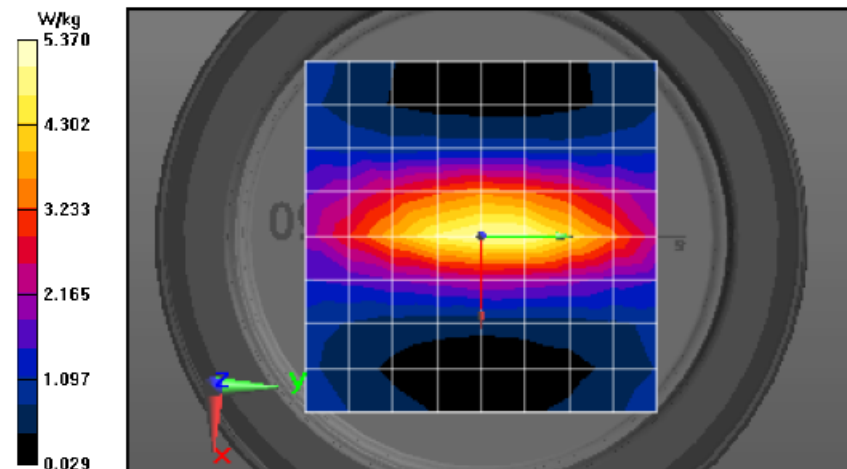
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 81.23 V/m; Power Drift = -0.00 dB
 Fast SAR: SAR(1 g) = 4.47 W/kg; SAR(10 g) = 3.18 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 5.52 W/kg

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 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: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 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; $\epsilon_r = 60$; $\rho = 1000$ kg/m³
 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):

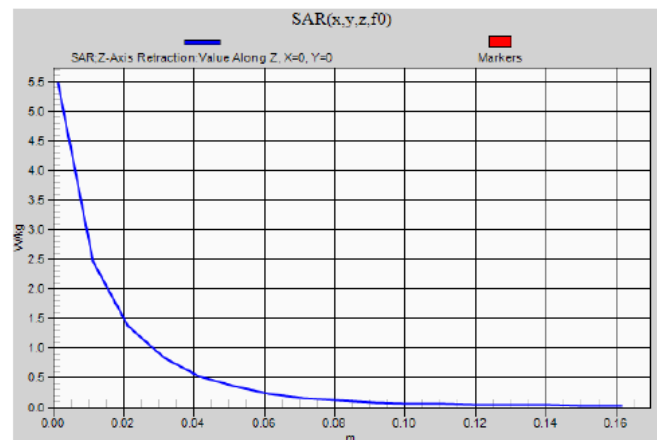
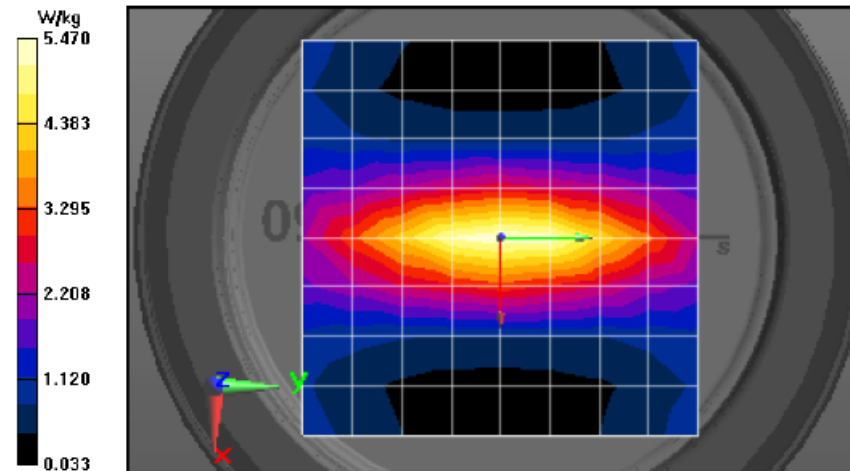
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 82.55 V/m; Power Drift = -0.01 dB
 Fast SAR: SAR(1 g) = 4.58 W/kg; SAR(10 g) = 3.28 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 5.61 W/kg

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 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: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 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; $\epsilon_r = 59.7$; $\rho = 1000$ kg/m³
 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):

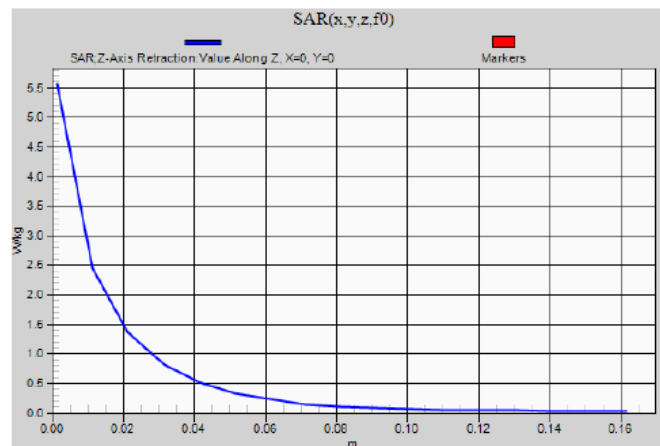
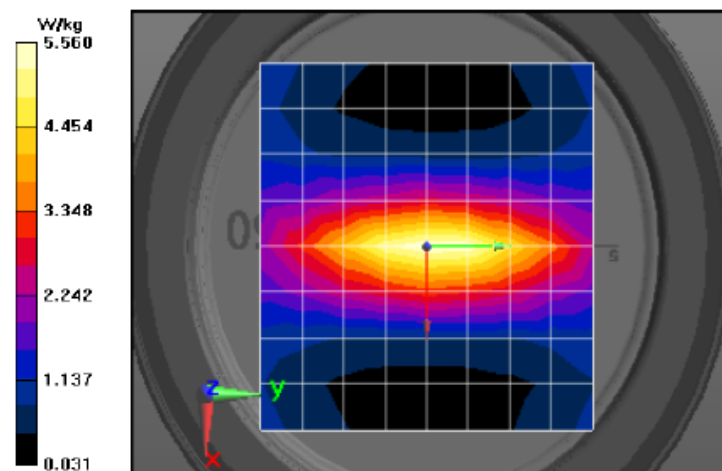
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 81.91 V/m; Power Drift = 0.01 dB
 Fast SAR: SAR(1 g) = 4.58 W/kg; SAR(10 g) = 3.17 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 5.75 W/kg

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 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: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 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; $\epsilon_r = 60.2$; $\rho = 1000$ kg/m³
 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):

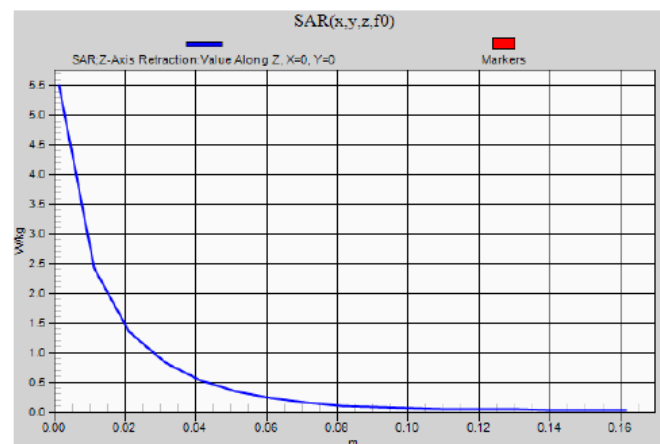
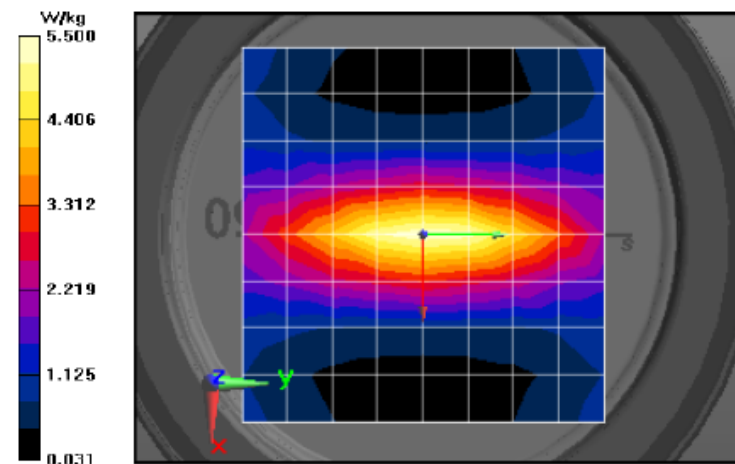
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = \$2.65 V/m; Power Drift = 0.07 dB
 Fast SAR: SAR(1 g) = 4.61 W/kg; SAR(10 g) = 3.29 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 5.60 W/kg

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 Reference Value = \$2.65 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: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 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; $\epsilon_r = 59.7$; $\rho = 1000$ kg/m³
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):

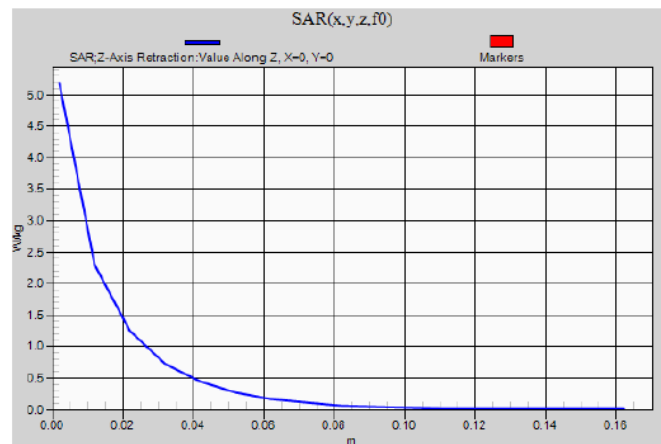
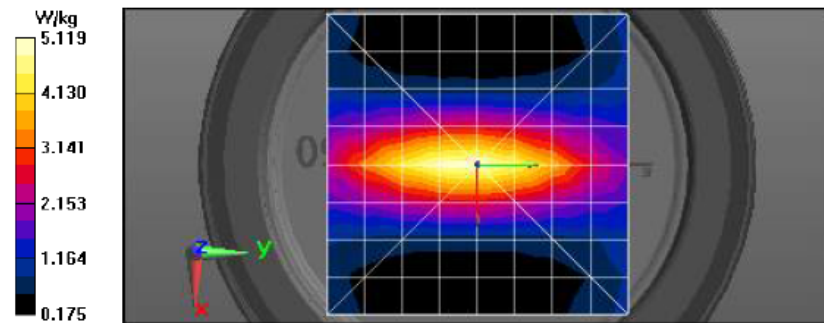
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Reference Value = 80.04 V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 4.38 W/kg; SAR(10 g) = 3.13 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.17 W/kg

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
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: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
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; $\epsilon_r = 49.9$; $\rho = 1000$ kg/m³
 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):

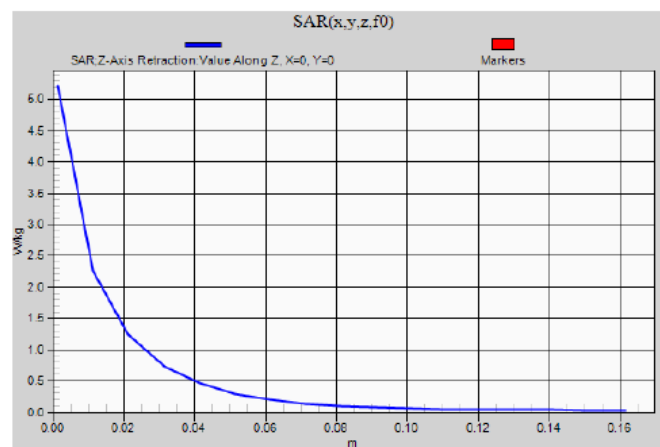
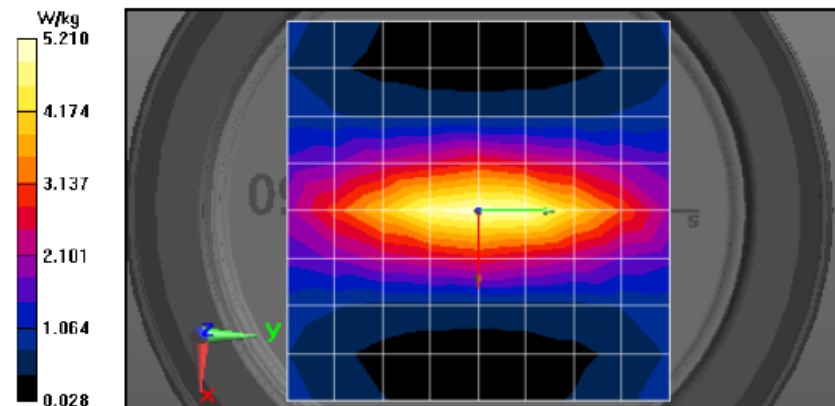
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 82.83 V/m; Power Drift = -0.01 dB
 Fast SAR: SAR(1 g) = 4.37 W/kg; SAR(10 g) = 3.13 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 5.24 W/kg

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 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: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 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; $\epsilon_r = 51.2$; $\rho = 1000$ kg/m³
 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):

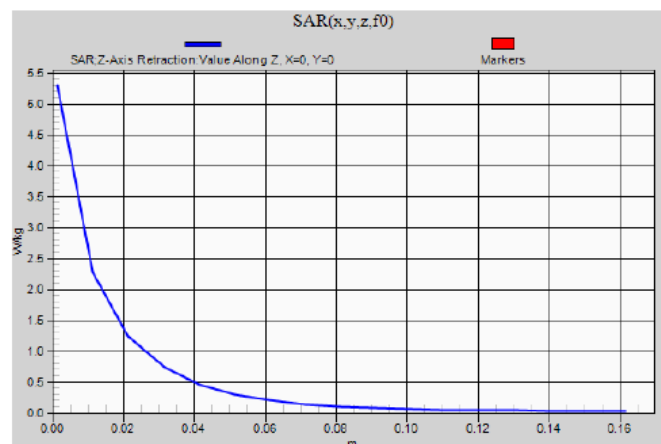
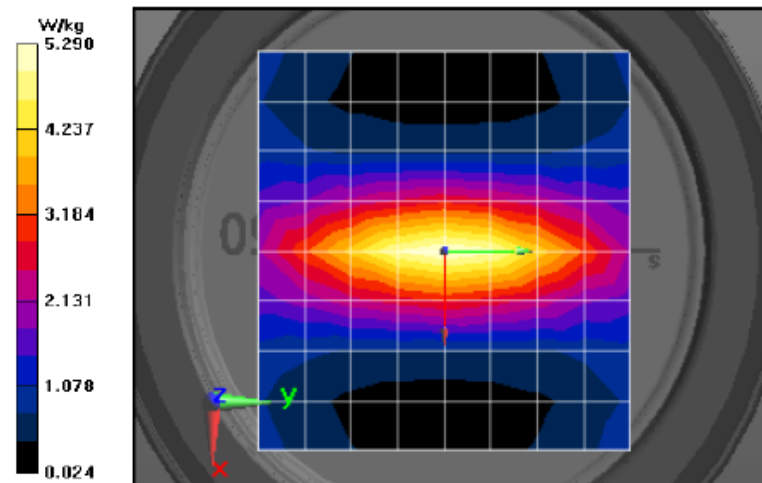
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 83.56 V/m; Power Drift = -0.06 dB
 Fast SAR: SAR(1 g) = 4.49 W/kg; SAR(10 g) = 3.21 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 5.43 W/kg

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 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: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 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; $\epsilon_r = 51.3$; $\rho = 1000$ kg/m³
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):

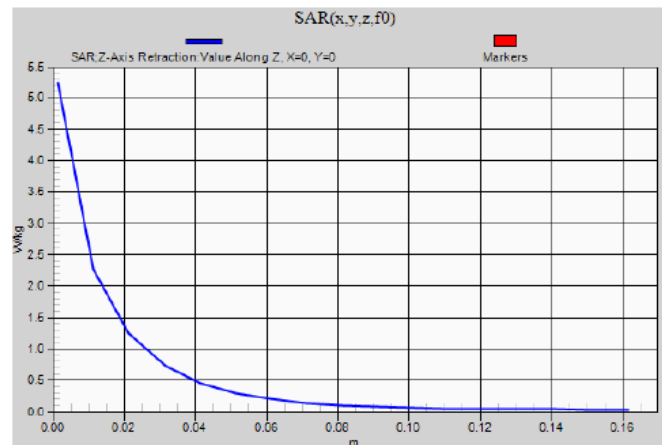
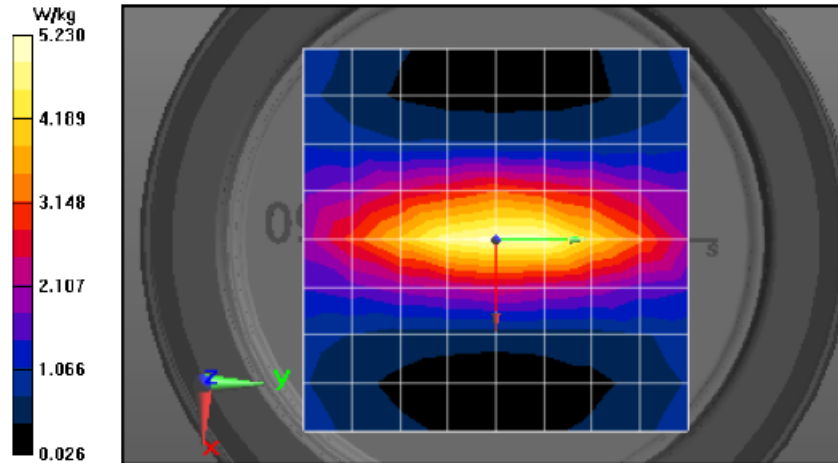
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Reference Value = 81.14 V/m; Power Drift = 0.00 dB
Fast SAR: SAR(1 g) = 4.26 W/kg; SAR(10 g) = 3.04 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.33 W/kg

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
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: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
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:

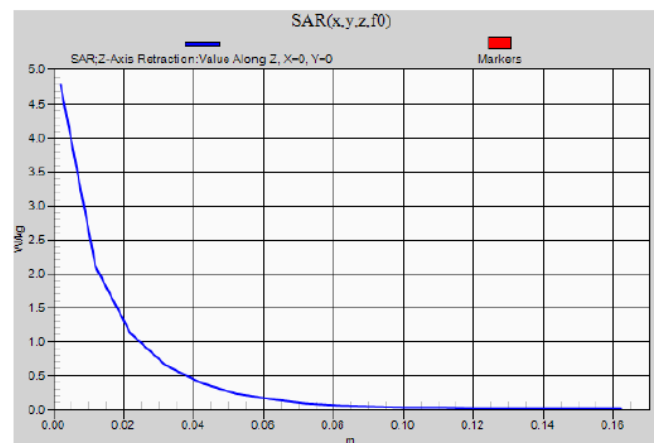
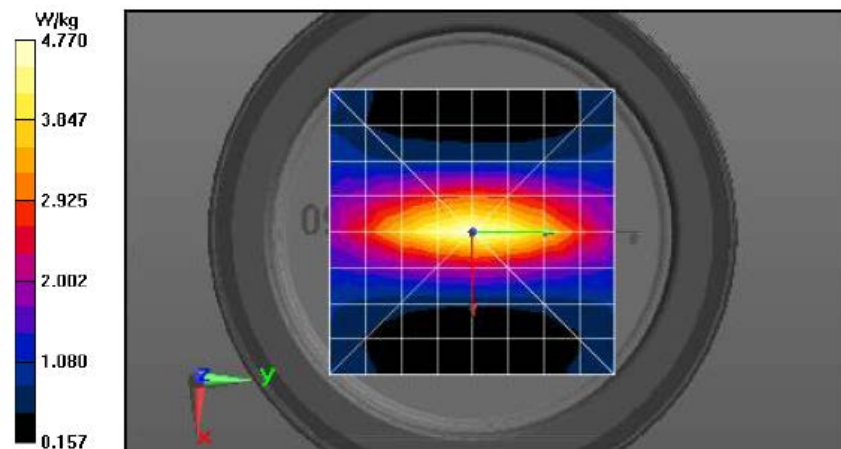
Duty Cycle: 1:1, Medium parameters used: $f = 150$ MHz; $\sigma = 0.72$ S/m; $\epsilon_r = 51$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3612, , Frequency: 150 MHz, ConvF(10.17, 10.17, 10.17); Calibrated: 5/17/2017
 Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

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: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 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: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm

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; $\epsilon_r = 50.2$; $\rho = 1000$ kg/m³
 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):

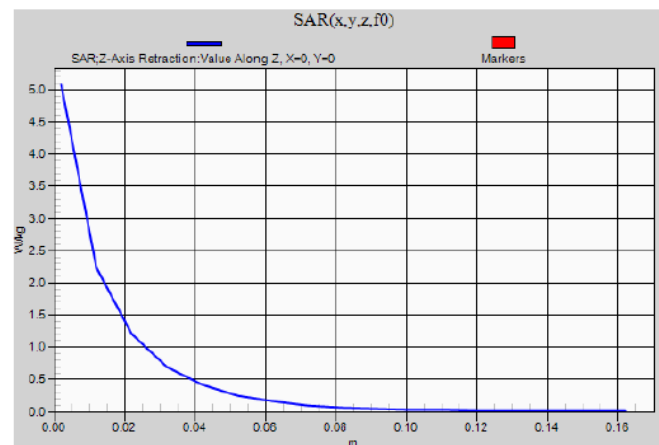
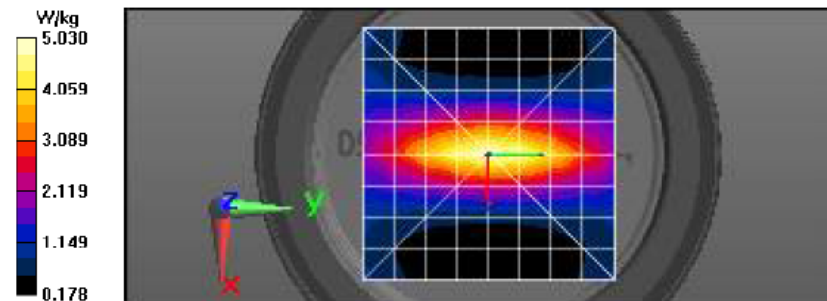
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 83.32 V/m; Power Drift = 0.04 dB
 Fast SAR: SAR(1 g) = 4.48 W/kg; SAR(10 g) = 3.2 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 5.11 W/kg

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 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: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 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; $\epsilon_r = 49.8$; $\rho = 1000$ kg/m³
 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):

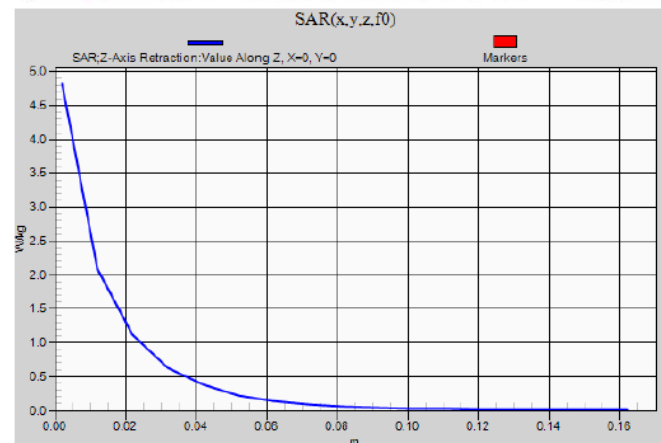
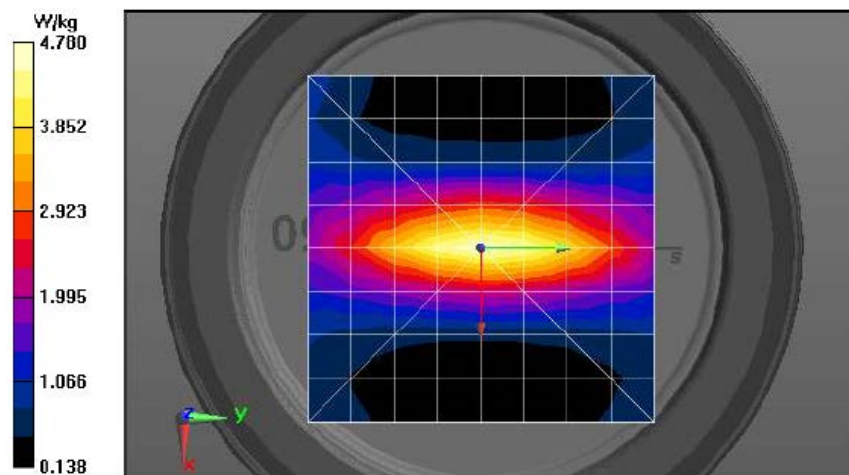
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 79.16 V/m; Power Drift = -0.07 dB
 Fast SAR: SAR(1 g) = 4.04 W/kg; SAR(10 g) = 2.88 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 4.88 W/kg

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 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: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 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; $\epsilon_r = 59.5$; $\rho = 1000$ kg/m³
 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

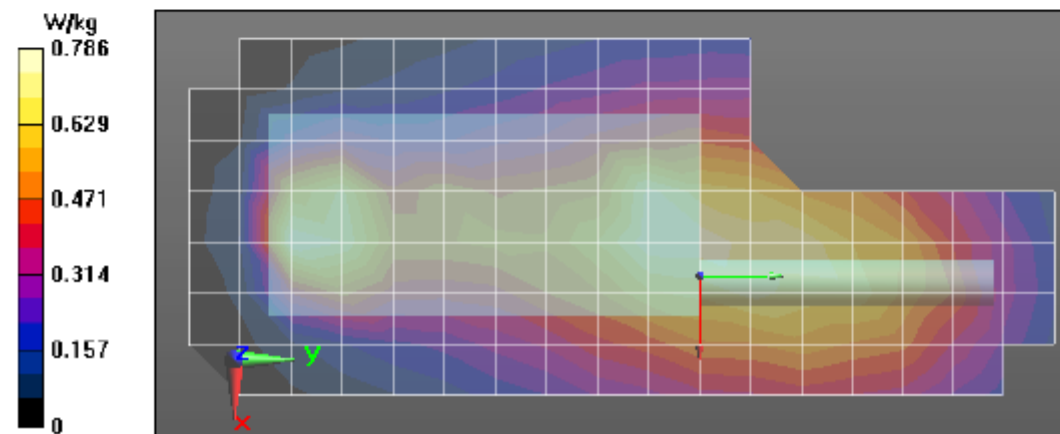
Peak SAR (extrapolated) = 1.35 W/kg

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: PMNN4092A
 Start Power: 5.96 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 173$ MHz; $\sigma = 0.8$ S/m; $\epsilon_r = 59.6$; $\rho = 1000$ kg/m³
 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

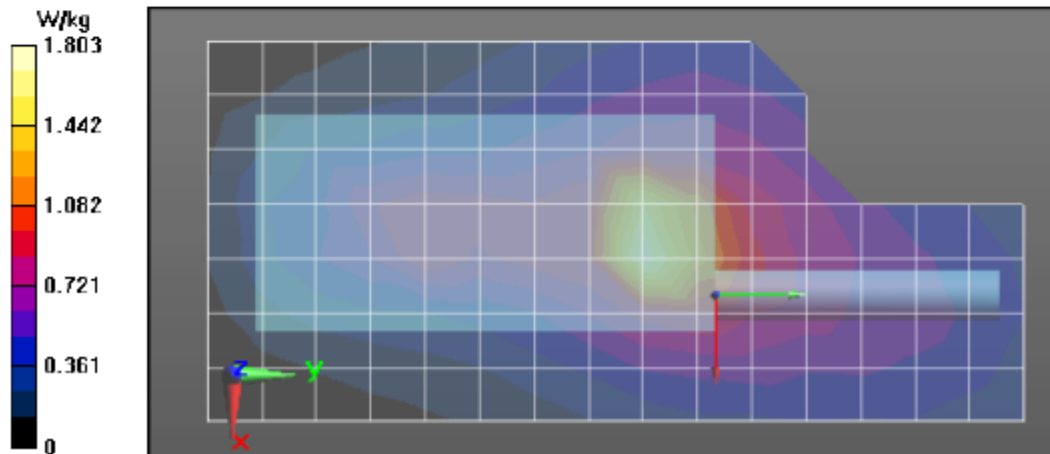
Peak SAR (extrapolated) = 2.81 W/kg

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; $\epsilon_r = 59.6$; $\rho = 1000$ kg/m³
 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

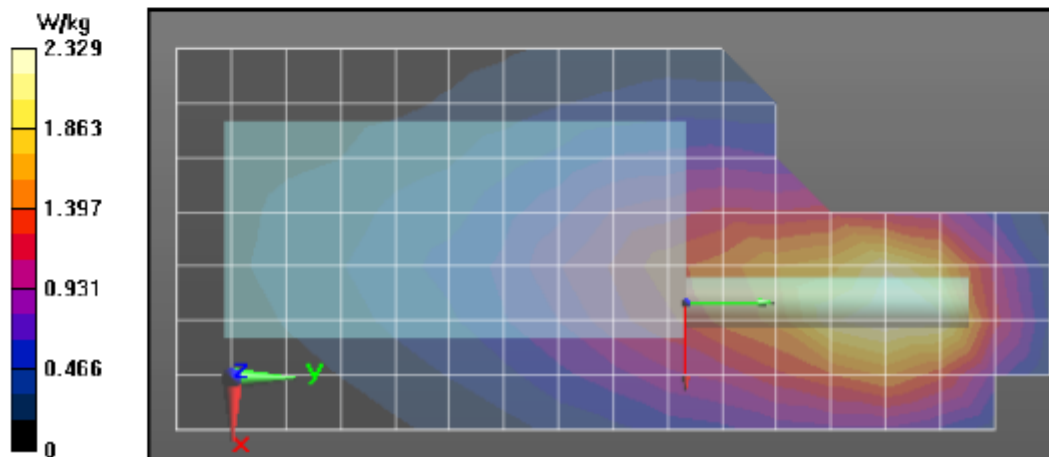
Reference Value = 47.37 V/m; Power Drift = -0.19 dB

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: PMMN4098A
 Carry Acc: RLN4815A
 Audio Acc: PMMN4092A
 Start Power: 5.95 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 173 \text{ MHz}$; $\sigma = 0.78 \text{ S/m}$; $\epsilon_r = 58.6$; $\rho = 1000 \text{ kg/m}^3$
 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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.17 V/m; Power Drift = -0.22 dB

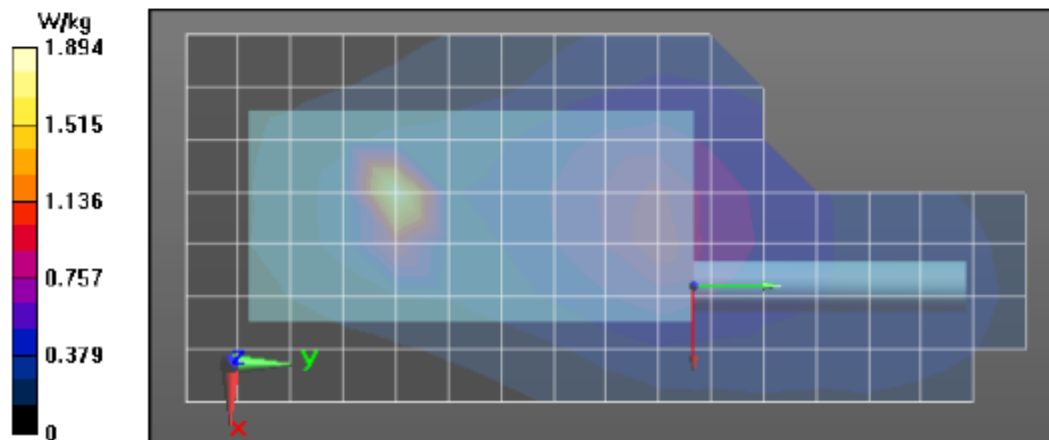
Peak SAR (extrapolated) = 3.78 W/kg

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: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$

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: $f = 173 \text{ MHz}$; $\sigma = 0.78 \text{ S/m}$; $\epsilon_r = 59.2$; $\rho = 1000 \text{ kg/m}^3$
 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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

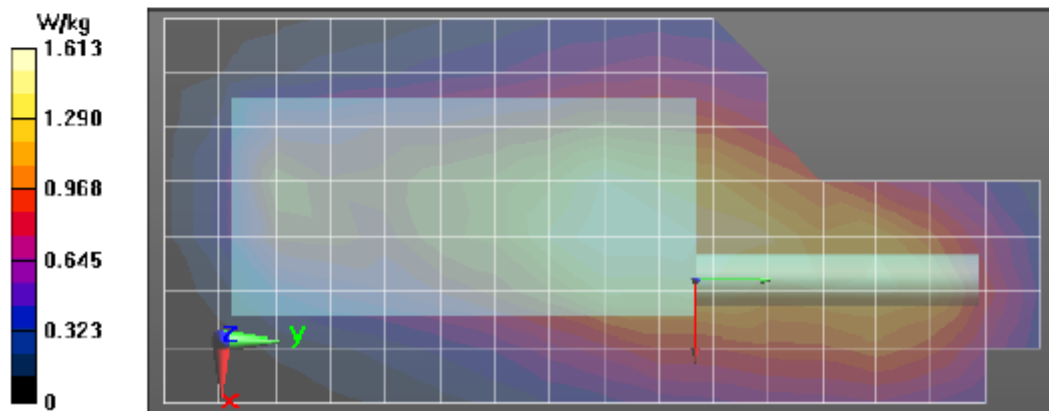
Reference Value = 42.82 V/m; Power Drift = -0.47 dB

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: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$

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: $f = 173 \text{ MHz}$; $\sigma = 0.78 \text{ S/m}$; $\epsilon_r = 58.6$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3735, , Frequency: 173.4 MHz, ConvF(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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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: $dx=7.5 \text{ mm}$, $dy=7.5 \text{ mm}$, $dz=5 \text{ mm}$

Reference Value = 24.95 V/m; Power Drift = 0.46 dB

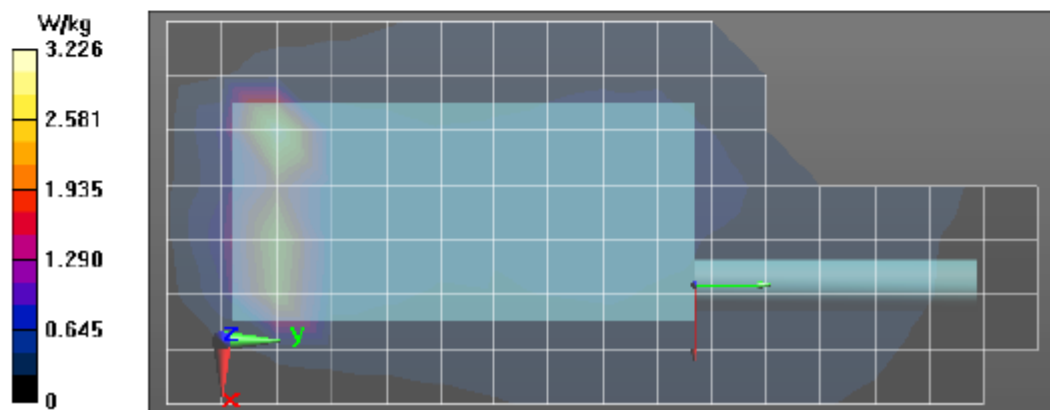
Peak SAR (extrapolated) = 15.1 W/kg

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: $dx=20 \text{ mm}$, $dy=20 \text{ mm}$, $dz=10 \text{ mm}$

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: $f = 173 \text{ MHz}$; $\sigma = 0.81 \text{ S/m}$; $\epsilon_r = 59.5$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3735, , Frequency: 173.4 MHz, ConvF(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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 31.21 V/m; Power Drift = -0.31 dB

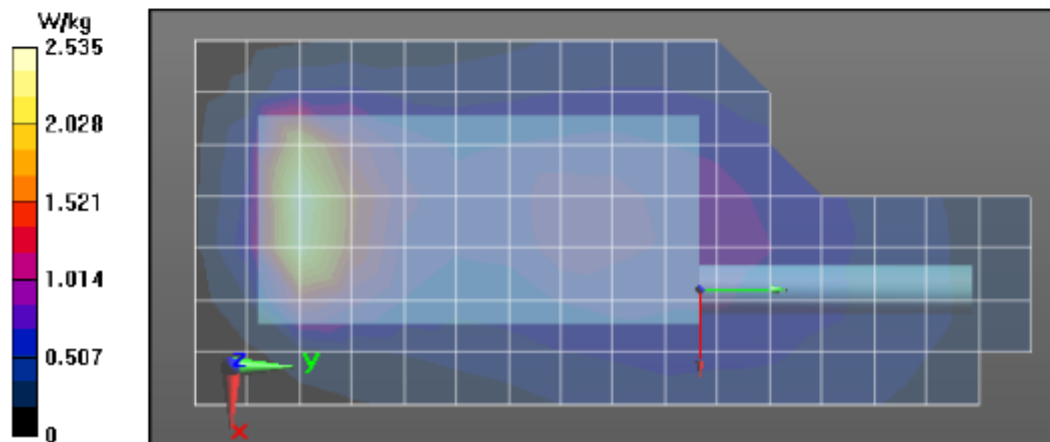
Peak SAR (extrapolated) = 3.52 W/kg

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: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$

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: PMMN4098A
 Carry Acc: HLN9701B w/ NTN5243A
 Audio Acc: PMMN4092A
 Start Power: 5.97 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 173 \text{ MHz}$; $\sigma = 0.81 \text{ S/m}$; $\epsilon_r = 59.4$; $\rho = 1000 \text{ kg/m}^3$
 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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 28.39 V/m; Power Drift = -0.50 dB

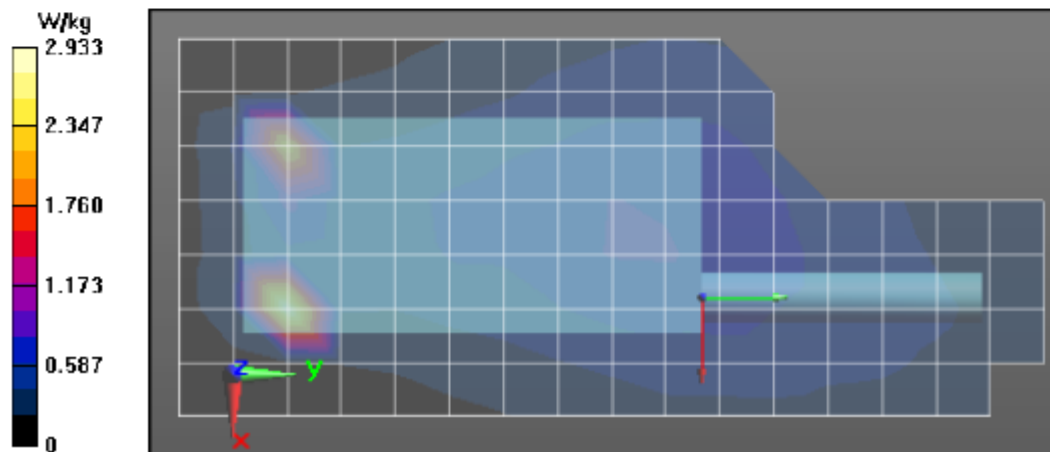
Peak SAR (extrapolated) = 7.19 W/kg

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: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$

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)

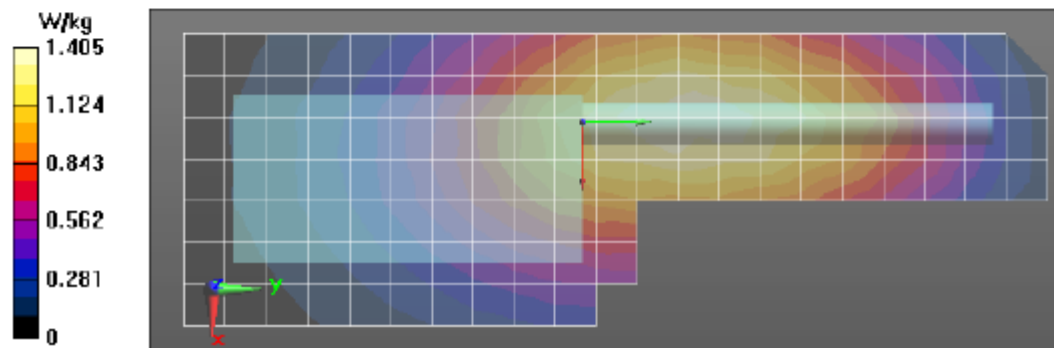
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 155$ MHz; $\sigma = 0.74$ S/m; $\epsilon_r = 49.7$; $\rho = 1000$ kg/m³
 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: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 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: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 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)

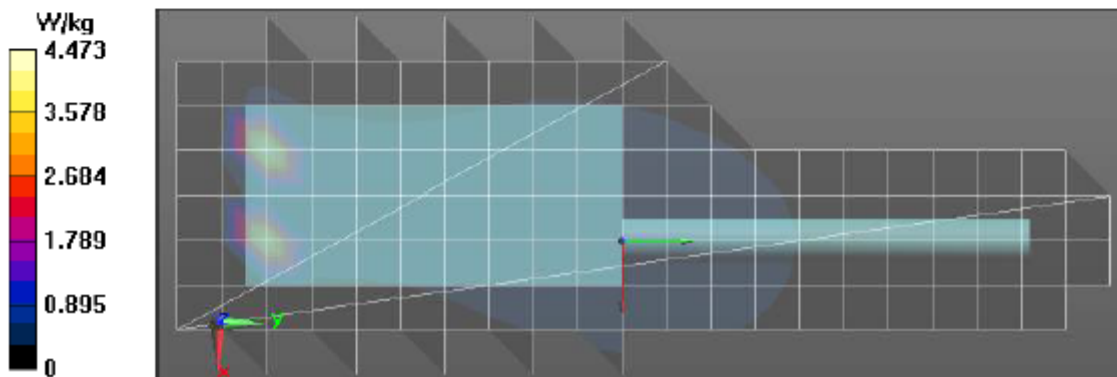
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 136$ MHz; $\sigma = 0.79$ S/m; $\epsilon_r = 60.1$; $\rho = 1000$ kg/m³
 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: $dx=7.5$ mm,
 $dy=7.5$ mm, $dz=5$ mm
 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: $dx=20$ mm, $dy=20$ mm,
 $dz=10$ mm
 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; $\epsilon_r = 50.3$; $\rho = 1000$ kg/m³
 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: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 41.39 V/m; Power Drift = 0.28 dB

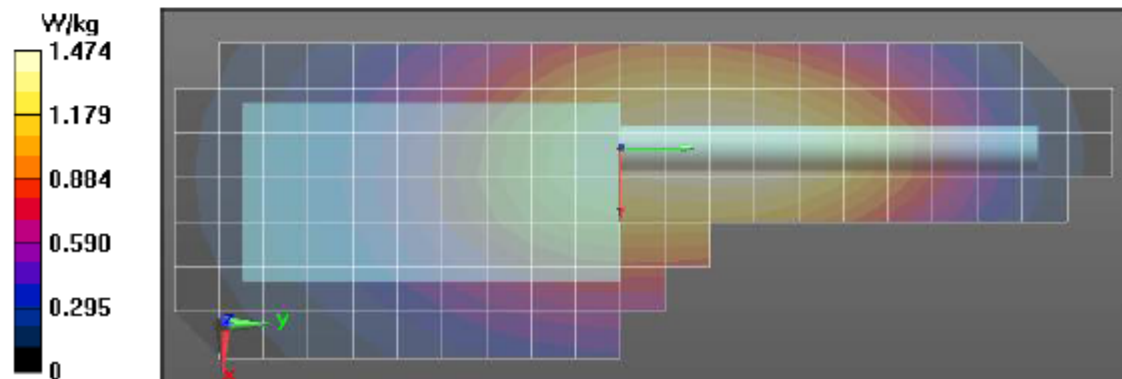
Peak SAR (extrapolated) = 1.76 W/kg

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

Maximum value of SAR (measured) = 1.49 W/kg



Assessment at Body for ISCED 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)

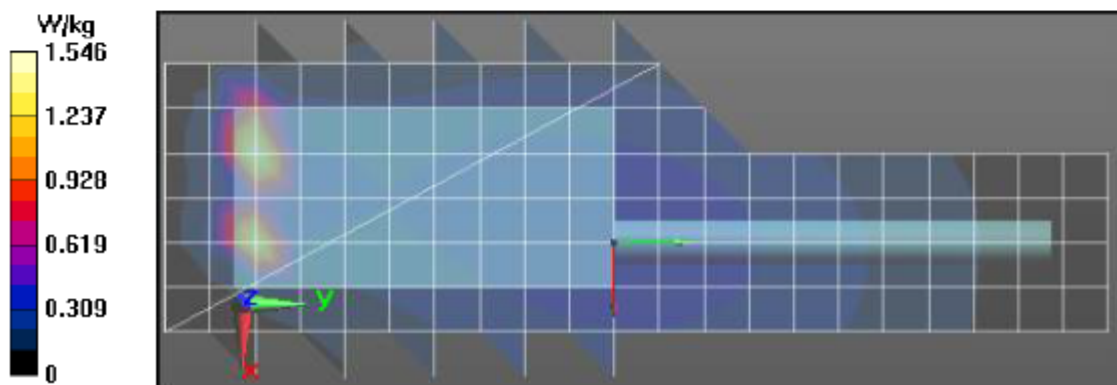
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 146$ MHz; $\sigma = 0.79$ S/m; $\epsilon_r = 59.8$; $\rho = 1000$ kg/m³
 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: $dx=7.5$ mm,
 $dy=7.5$ mm, $dz=5$ mm
 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: $dx=20$ mm, $dy=20$ mm,
 $dz=10$ mm
 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; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³
 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

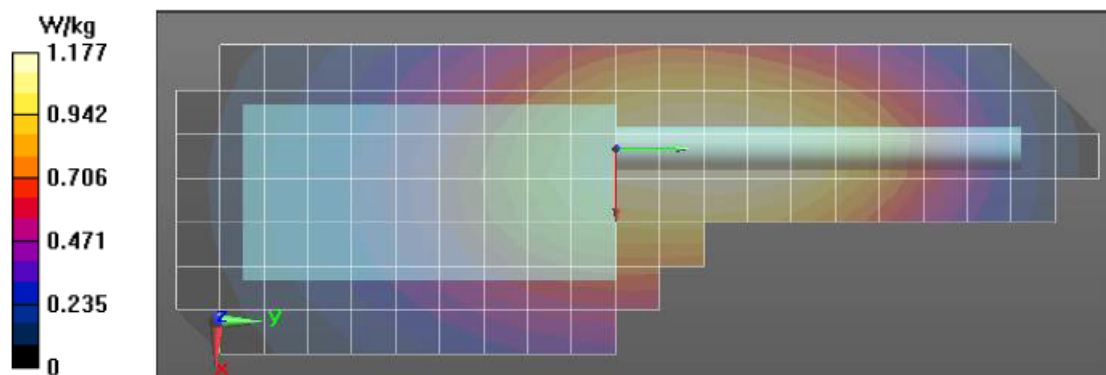
Reference Value = 40.81 V/m; Power Drift = -0.80 dB

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: $f = 173 \text{ MHz}$; $\sigma = 0.8 \text{ S/m}$; $\epsilon_r = 59.5$; $\rho = 1000 \text{ kg/m}^3$
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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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: $dx=0.7500 \text{ mm}$, $dy=0.7500 \text{ mm}$, $dz=1.000 \text{ mm}$

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: $dx=7.5 \text{ mm}$, $dy=7.5 \text{ mm}$, $dz=5 \text{ mm}$

Reference Value = 101.9 V/m; Power Drift = -0.39 dB

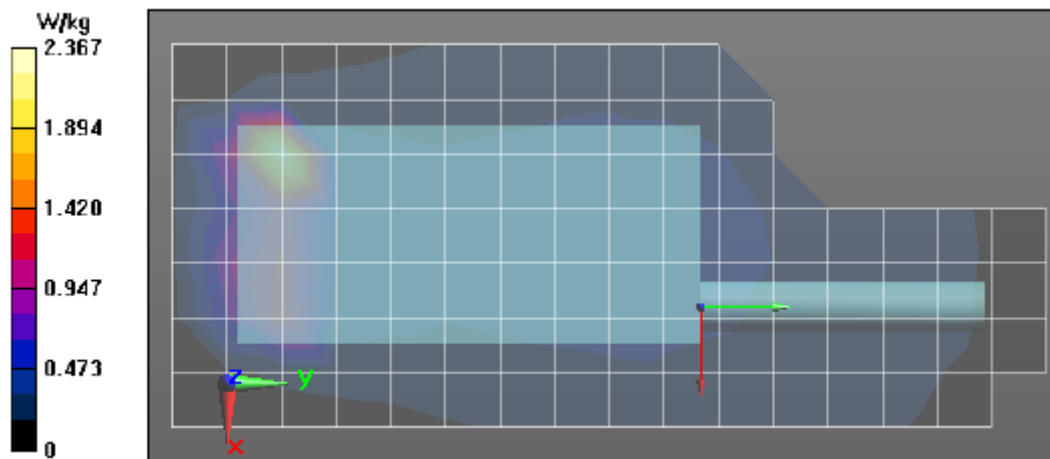
Peak SAR (extrapolated) = 16.2 W/kg

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: $dx=20 \text{ mm}$, $dy=20 \text{ mm}$, $dz=10 \text{ mm}$

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