 <p>MS ISO/IEC 17025 TESTING SMM No.0826</p>
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DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2

<p align="center">Motorola Solutions Inc EME Test Laboratory Motorola Solutions Malaysia Sdn Bhd (Innoplex) (455657-H) Plot 2A, Medan Bayan Lepas, Mukim 12 SWD, 11900 Bayan Lepas Penang, Malaysia.</p>	<p>Date of Report: 03/02/2018 Report Revision: A</p>
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<p>Responsible Engineer: Veeramani Veerapan Report Author: Veeramani Veerapan Date/s Tested: 1/23/2018 – 2/28/2018 Manufacturer: Motorola Solutions Inc. DUT Description: Handheld Portable: CP200d, 403-470MHz, 4W, Non-Display Test TX mode(s): CW (PTT) Max. Power output: 4.8 Watts Nominal Power: 4.0 Watts Tx Frequency Bands: 403-470 MHz Signaling type: FM Model(s) Tested: AAH01QDC9JA2AN (PMUE4147B) Model(s) Certified: AAH01QDC9JA2AN (PMUE4147B) / PMUE4147BAANAA, AAH01QDC9JC2AN (PMUE4147B) / PMUE4147BAANEA Serial Number(s): 752TTZ7262 Classification: Occupational/Controlled FCC ID: AZ489FT4948; Rule Part 90 (406.1-470 MHz); This report contains results that are immaterial for FCC equipment approval, which are clearly identified.</p> <p>IC ID: 109U-89FT4948; (406.1-430 and 450-470 MHz); This report contains results that are immaterial for ISED equipment approval, which are clearly identified.</p> <p>ISED Test Site Registration: 109AK</p> <p>FCC Test Firm Registration Number: 823256</p>	
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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.

<p align="center"><i>Tiong</i> Tiong Nguk Ing Deputy Technical Manager Approval Date: 3/10/2018</p>	
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APPENDIX D
System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/23/2018 1:33:53 PM

Robot#: DASY5-PG-4 | Run#: AM-SYSP-450B-180123-01
 Dipole Model#: D450V2
 Phantom#: ELI4 1040
 Tissue Temp: 20.1 (C)
 Serial#: 1054
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.029 dB
 Adjusted SAR (1W): 4.96 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, Frequency: 450 MHz, ConvF(7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x191x1):

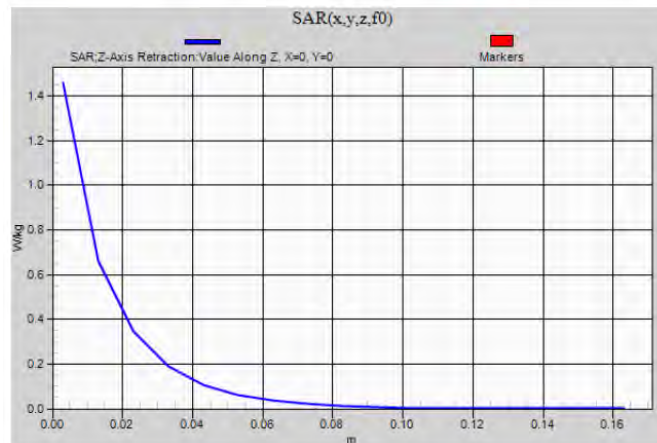
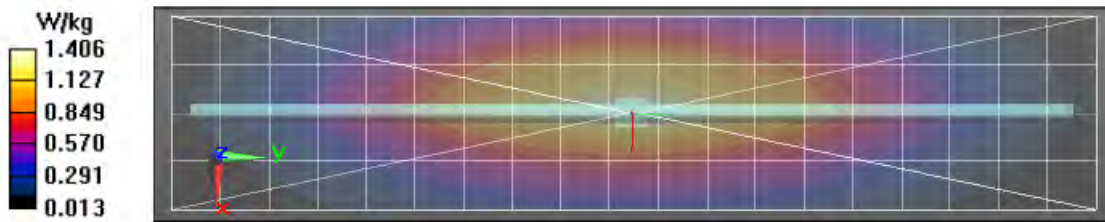
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 39.80 V/m; Power Drift = -0.01 dB
 Fast SAR: SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.874 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.44 W/kg

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 = 39.80 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 1.98 W/kg
 SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.816 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.45 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) = 1.46 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/28/2018 7:47:15 AM

Robot#: DASY5-PG-4 | Run: FD(FAZ)-SYSP-450B-180128-02
 Dipole Model#: D450V3
 Phantom#: ELI4 1040
 Tissue Temp: 20.6 (C)
 Serial#: 1054
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.03 dB
 Adjusted SAR (1W): 4.96 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.96$ S/m; $\epsilon_r = 54.1$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, Frequency: 450 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

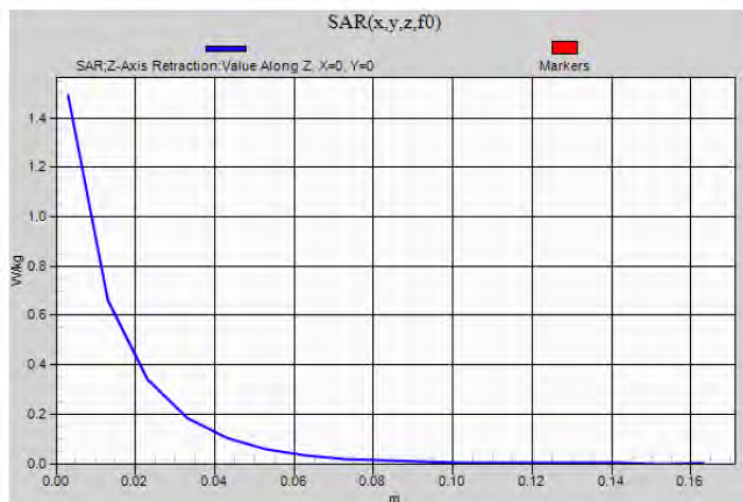
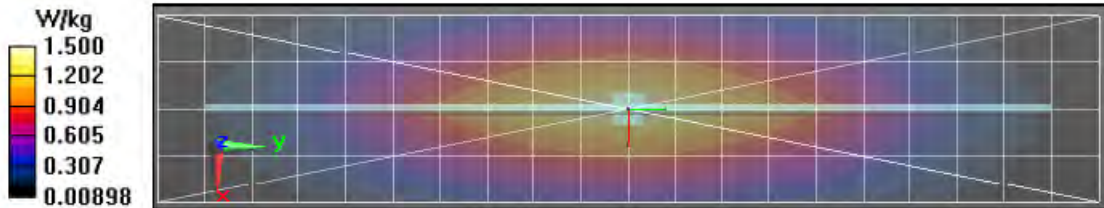
Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x201x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 39.78 V/m; Power Drift = -0.04 dB
 Fast SAR: SAR(1 g) = 1.28 W/kg; SAR(10 g) = 0.887 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.50 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 = 39.78 V/m; Power Drift = -0.04 dB
 Peak SAR (extrapolated) = 2.06 W/kg
 SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.819 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.49 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: 1/29/2018 10:16:32 AM

Robot#: DASY5-PG-4 | Run: FIE-SYSP-450B-180129-02
 Dipole Model#: D450V3
 Phantom#: ELI4 1040
 Tissue Temp: 20.9 (C)
 Serial#: 1054
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.028 dB
 Adjusted SAR (1W): 5.00 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.96$ S/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, Frequency: 450 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x201x1):

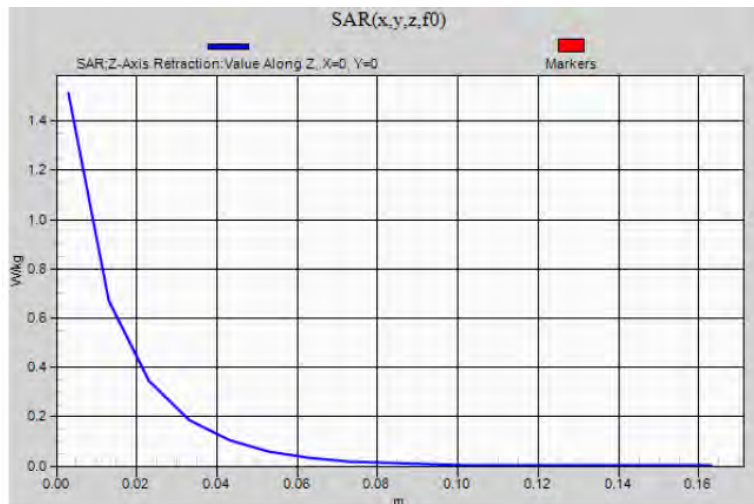
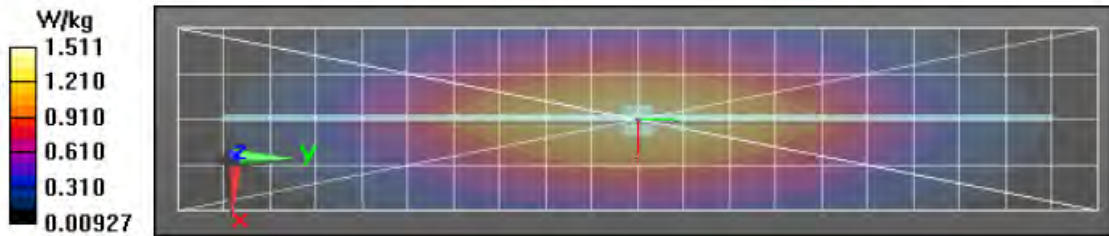
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 40.01 V/m; Power Drift = -0.02 dB
 Fast SAR: SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.898 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.51 W/kg

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 = 40.01 V/m; Power Drift = -0.02 dB
 Peak SAR (extrapolated) = 2.07 W/kg
 SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.831 W/kg (SAR corrected for target medium)

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

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



Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/30/2018 10:11:36 AM

Robot#: DASY5-PG-4 | Run: FIE-SYSP-450B-180130-06
 Dipole Model#: D450V3
 Phantom#: ELI4 1040
 Tissue Temp: 20.5 (C)
 Serial#: 1054
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.052 dB
 Adjusted SAR (1W): 5.00 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.95$ S/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, Frequency: 450 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x201x1):

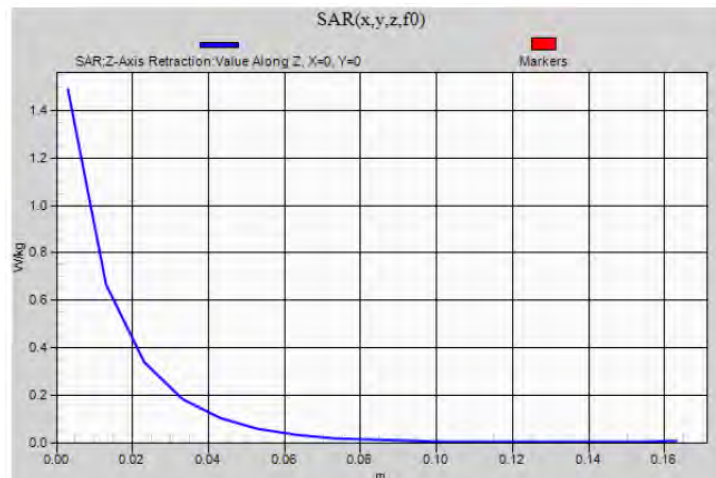
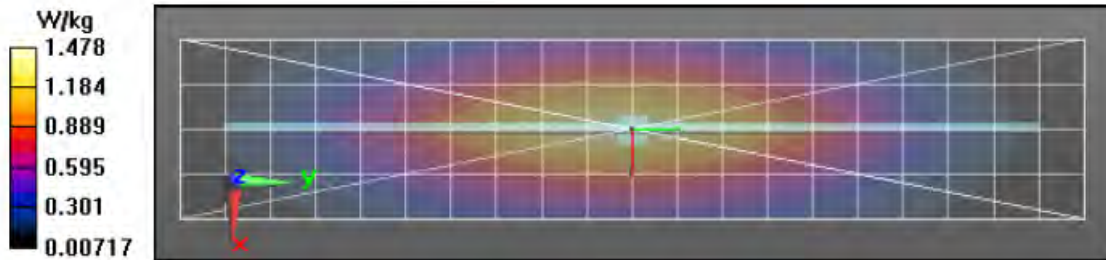
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 39.89 V/m; Power Drift = 0.01 dB
 Fast SAR: SAR(1 g) = 1.28 W/kg; SAR(10 g) = 0.889 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.48 W/kg

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 = 39.89 V/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 2.03 W/kg
 SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.826 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) = 1.49 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/31/2018 3:28:13 PM

Robot#: DASY5-PG-4 | Run: AZ-SYSP-450B-180131-04
 Dipole Model# D450V3
 Phantom#: ELI4 1040
 Tissue Temp: 19.5 (C)
 Serial#: 1054
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.030 dB
 Adjusted SAR (1W): 4.96 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.96$ S/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, Frequency: 450 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x201x1):

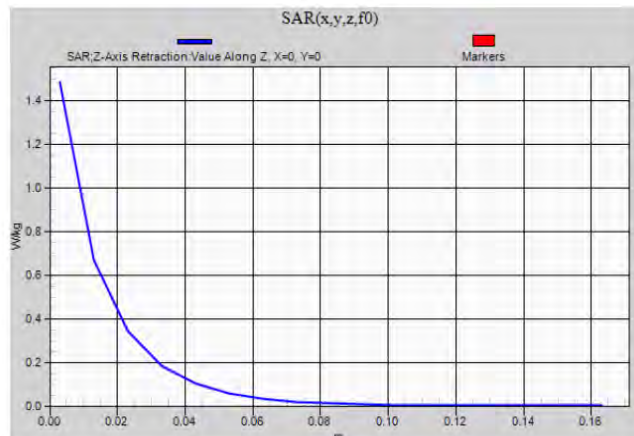
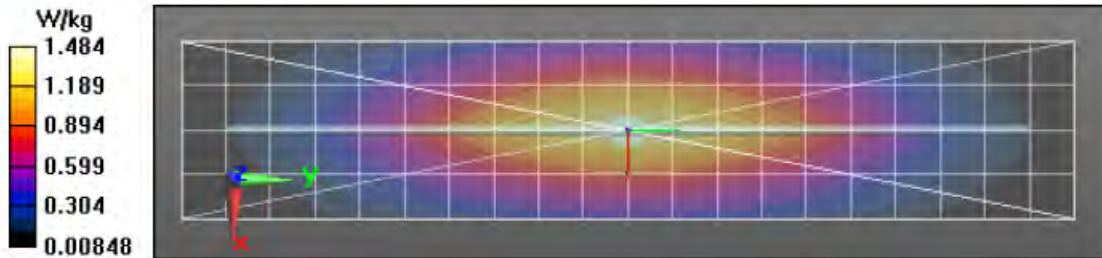
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 39.63 V/m; Power Drift = -0.01 dB
 Fast SAR: SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.883 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.49 W/kg

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 = 39.63 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 2.03 W/kg
 SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.821 W/kg (SAR corrected for target medium)

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

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



Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/1/2018 2:32:38 PM

Robot#: DASY5-PG-4 | Run: FIE(ZZ)-SYSP-450B-180201-09
 Dipole Model# D450V3
 Phantom#: ELI4 1040
 Tissue Temp: 19.5 (C)
 Serial#: 1054
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.056 dB
 Adjusted SAR (1W): 4.96 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.95$ S/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, Frequency: 450 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

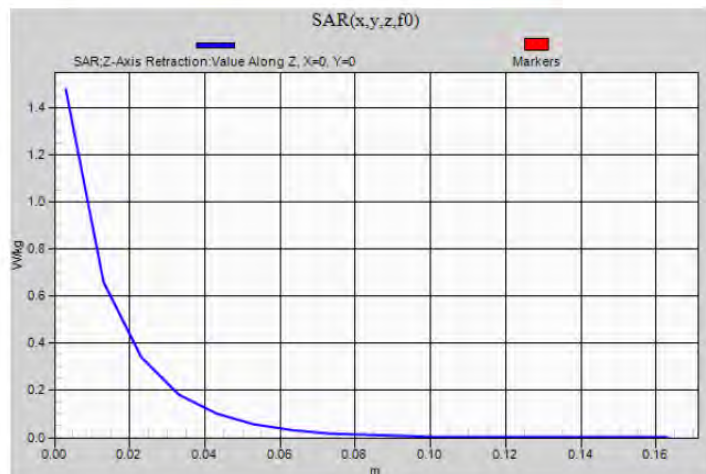
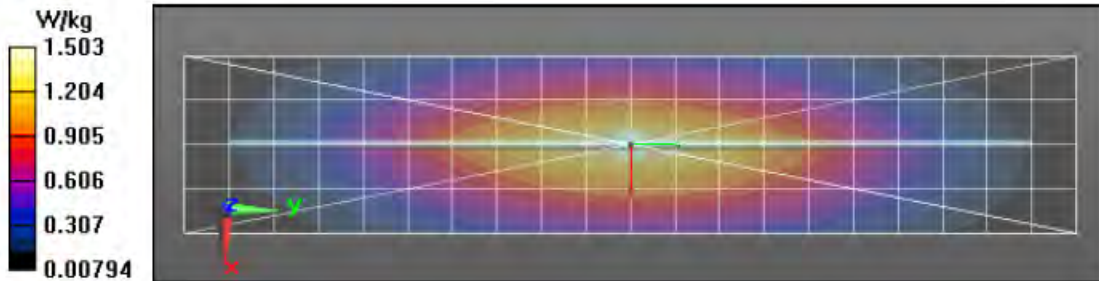
Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x201x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 40.19 V/m; Power Drift = -0.07 dB
 Fast SAR: SAR(1 g) = 1.3 W/kg; SAR(10 g) = 0.902 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.51 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 = 40.19 V/m; Power Drift = -0.07 dB
 Peak SAR (extrapolated) = 2.01 W/kg
 SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.823 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.48 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: 2/2/2018 3:36:08 PM

Robot#: DASY5-PG-4 | Run: FIE(ZZ)-SYSP-450B-180202-05
 Dipole Model#: D450V3
 Phantom#: ELI4 1040
 Tissue Temp: 19.6 (C)
 Serial#: 1054
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.029 dB
 Adjusted SAR (1W): 4.96 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, Frequency: 450 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

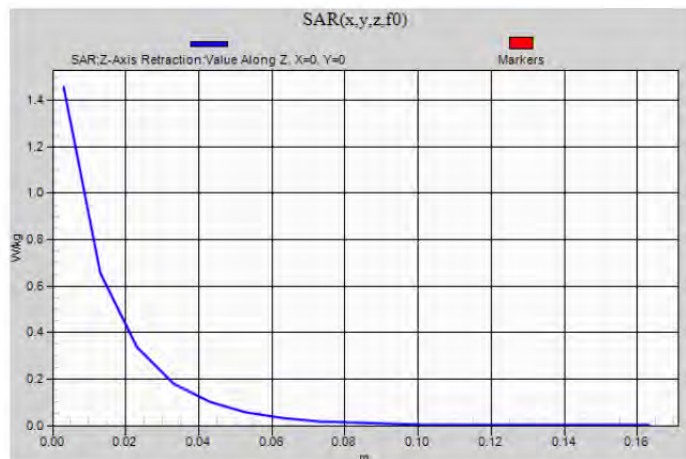
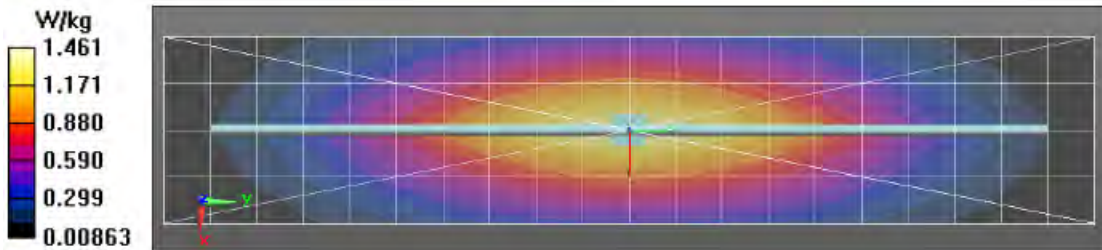
Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x201x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 39.87 V/m; Power Drift = 0.00 dB
 Fast SAR: SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.883 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.46 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 = 39.87 V/m; Power Drift = 0.00 dB
 Peak SAR (extrapolated) = 1.99 W/kg
 SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.821 W/kg (SAR corrected for target medium)

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



Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/4/2018 8:52:46 AM

Robot#: DASY5-PG-4 | Run: ZR(FAZ)-SYSP-450B-180204-01
 Dipole Model#: D450V3
 Phantom#: ELI4 1040
 Tissue Temp: 20.8 (C)
 Serial#: 1054
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.028 dB
 Adjusted SAR (1W): 4.92 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.95$ S/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, Frequency: 450 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x201x1):

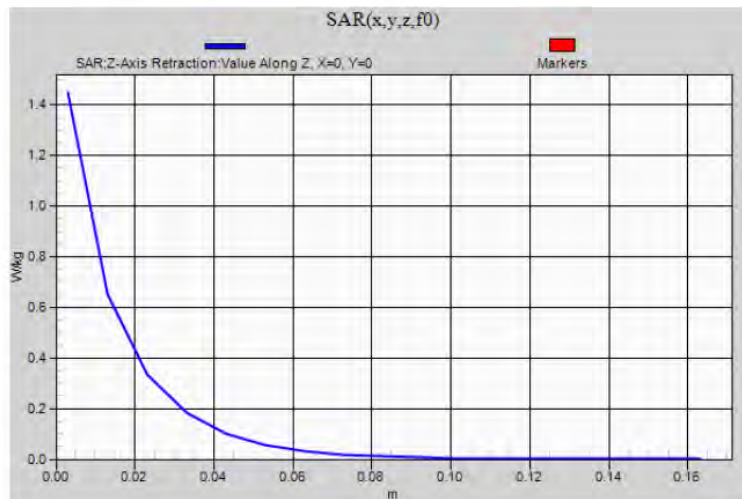
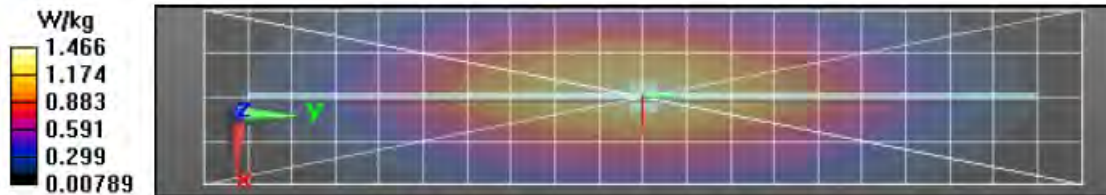
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 39.99 V/m; Power Drift = -0.11 dB
 Fast SAR: SAR(1 g) = 1.28 W/kg; SAR(10 g) = 0.889 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.48 W/kg

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 = 39.99 V/m; Power Drift = -0.11 dB
 Peak SAR (extrapolated) = 2.01 W/kg
 SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.817 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.46 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) = 1.45 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/5/2018 9:16:15 AM

Robot#: DASY5-PG-4 | Run: AM-SYSP-450B-180205-06
 Dipole Model#: D450V3
 Phantom#: ELI4 1040
 Tissue Temp: 20.6 (C)
 Serial#: 1054
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.12 dB
 Adjusted SAR (1W): 4.88 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, , Frequency: 450 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x201x1):

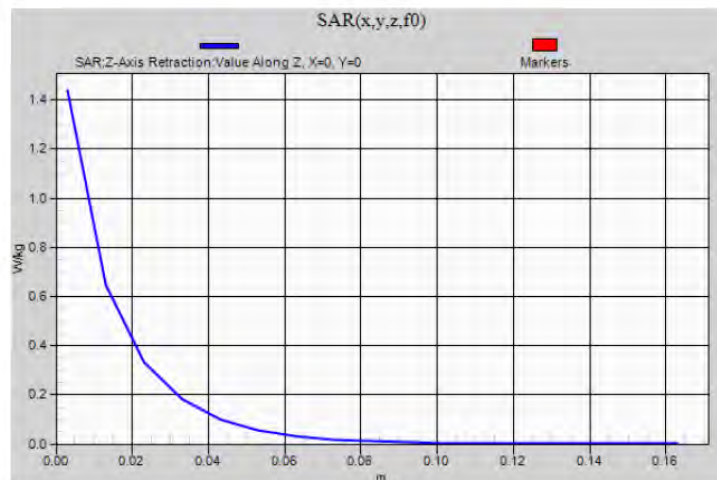
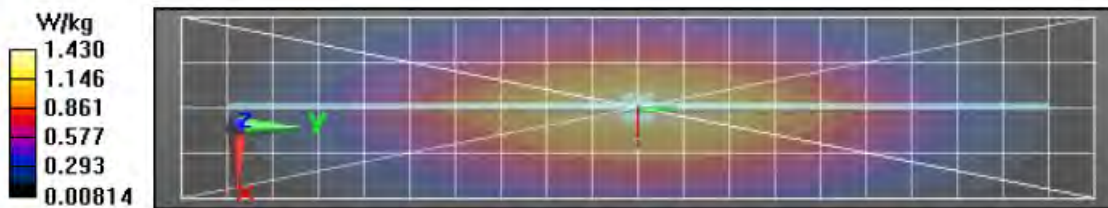
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 39.51 V/m; Power Drift = -0.02 dB
 Fast SAR: SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.866 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.43 W/kg

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 = 39.51 V/m; Power Drift = -0.02 dB
 Peak SAR (extrapolated) = 1.96 W/kg
 SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.808 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) = 1.44 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/6/2018 8:06:35 AM

Robot#: DASY5-PG-4 | Run: AM-SYSP-450B-180206-05
 Dipole Model#: D450V3
 Phantom#: ELI4 1040
 Tissue Temp: 20.5 (C)
 Serial#: 1054
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.026 dB
 Adjusted SAR (1W): 5.00 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, Frequency: 450 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

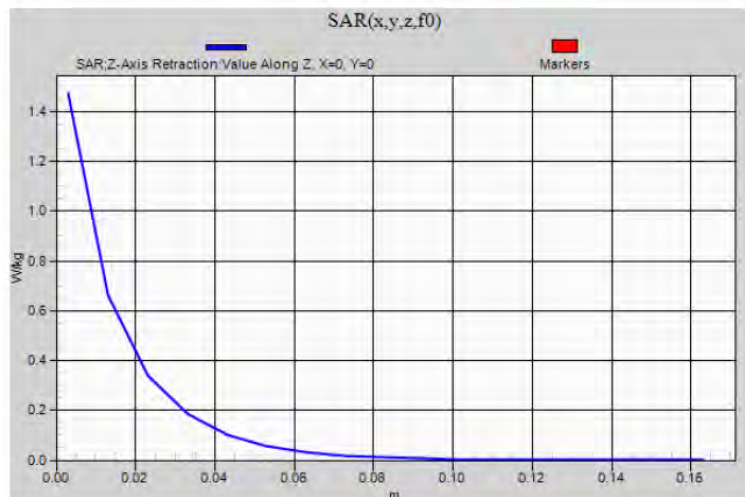
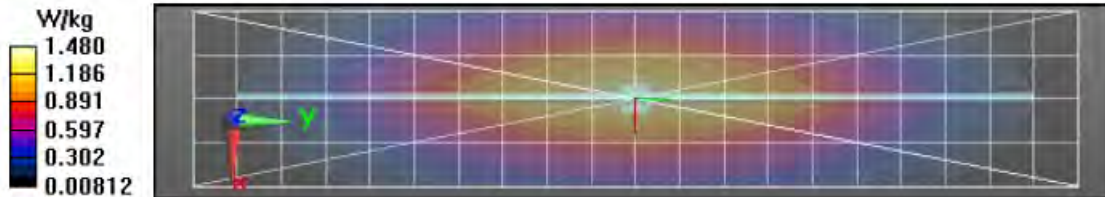
Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x201x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 40.40 V/m; Power Drift = -0.04 dB
 Fast SAR: SAR(1 g) = 1.3 W/kg; SAR(10 g) = 0.903 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.49 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 = 40.40 V/m; Power Drift = -0.04 dB
 Peak SAR (extrapolated) = 2.01 W/kg
 SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.833 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.47 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: 2/7/2018 10:05:55 AM

Robot#: DASY5-PG-4 | Run: AM-SYSP-450B-180207-05
 Dipole Model#: D450V3
 Phantom#: ELI4 1040
 Tissue Temp: 21.6 (C)
 Serial#: 1054
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.03 dB
 Adjusted SAR (1W): 5.00 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.96$ S/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, Frequency: 450 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

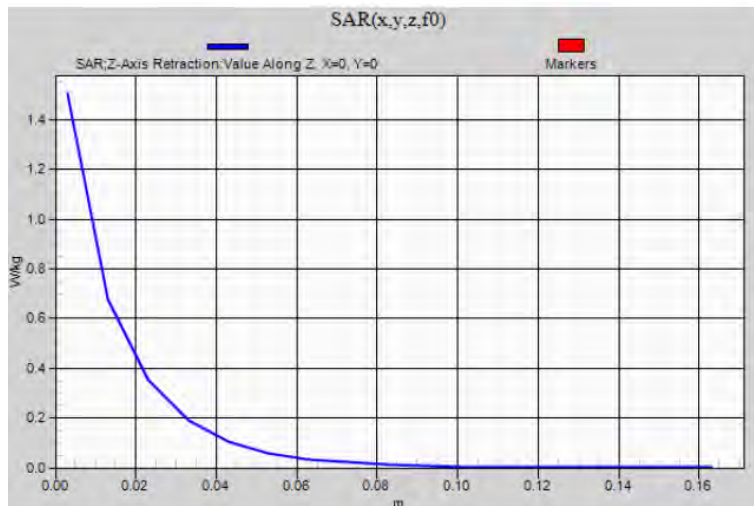
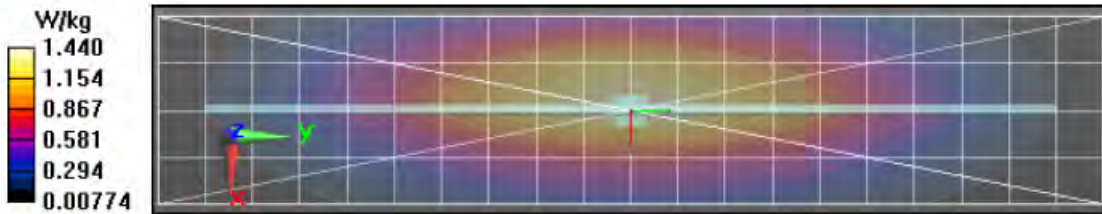
Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x201x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 39.88 V/m; Power Drift = 0.01 dB
 Fast SAR: SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.892 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.48 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 = 39.88 V/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 2.06 W/kg
 SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.835 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.50 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: 2/8/2018 8:24:20 AM

Robot#: DASY5-PG-4 | Run: AM-SYSP-450B-180208-05
 Dipole Model#: D450V3
 Phantom#: ELI4 1040
 Tissue Temp: 20.8 (C)
 Serial#: 1054
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.034 dB
 Adjusted SAR (1W): 4.80 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.96$ S/m; $\epsilon_r = 54.1$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, , Frequency: 450 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

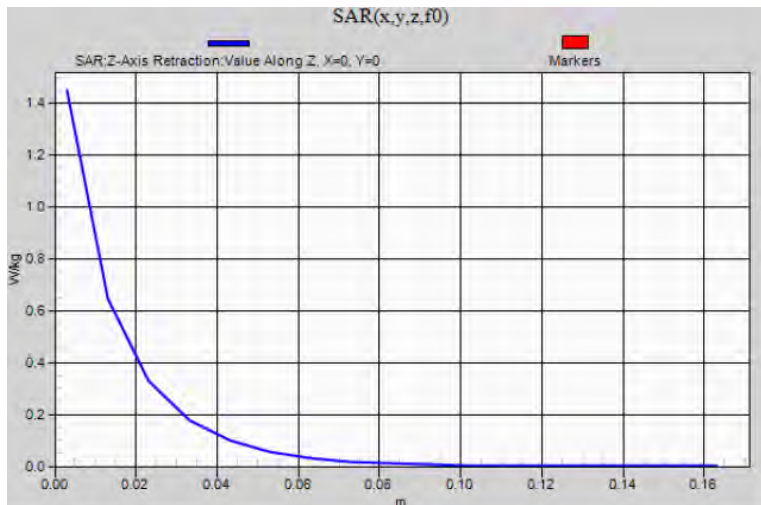
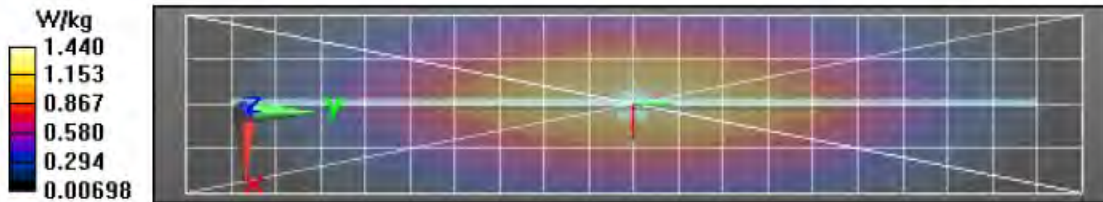
Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x201x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 39.19 V/m; Power Drift = 0.01 dB
 Fast SAR: SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.860 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.44 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 = 39.19 V/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 2.00 W/kg
 SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.798 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.45 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: 2/9/2018 8:16:23 AM

Robot#: DASY5-PG-4 | Run: AM-SYSP-450B-180209-06
 Dipole Model# D450V3
 Phantom#: ELI4 1040
 Tissue Temp: 20.3 (C)
 Serial#: 1054
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.03 dB
 Adjusted SAR (1W): 4.84 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 54.1$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, Frequency: 450 MHz, ConvF(7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

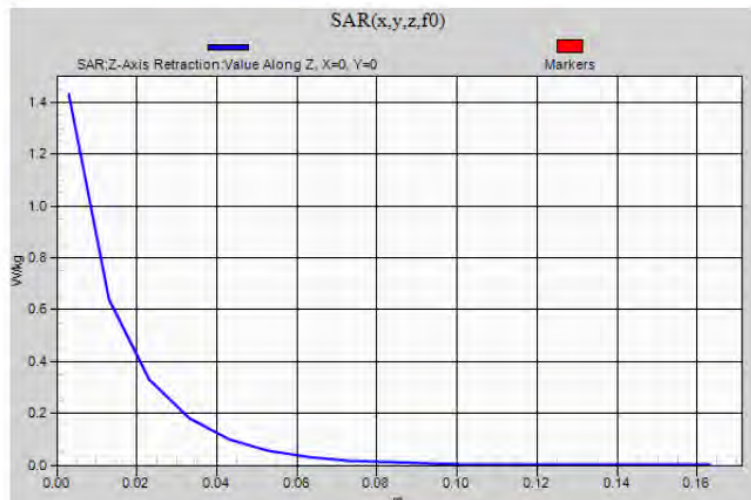
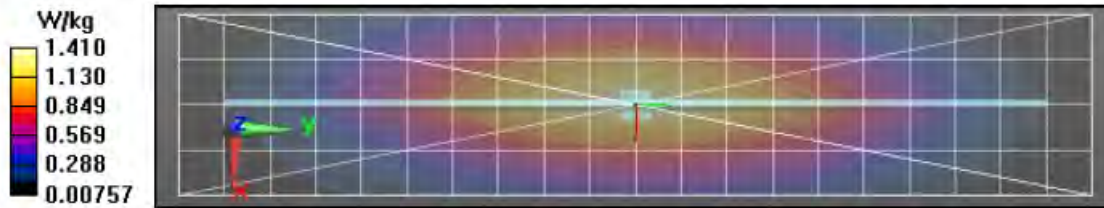
Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x201x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 39.26 V/m; Power Drift = 0.03 dB
 Fast SAR: SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.859 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.42 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 = 39.26 V/m; Power Drift = 0.03 dB
 Peak SAR (extrapolated) = 1.97 W/kg
 SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.803 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.43 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: 2/11/2018 8:21:03 PM

Robot#: DASY5-PG-4 | Run: AM-SYSP-450B-180211-01
 Dipole Model#: D450V3
 Phantom#: ELI4 1040
 Tissue Temp: 19.8 (C)
 Serial#: 1054
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.037 dB
 Adjusted SAR (1W): 4.76 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.95$ S/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, Frequency: 450 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

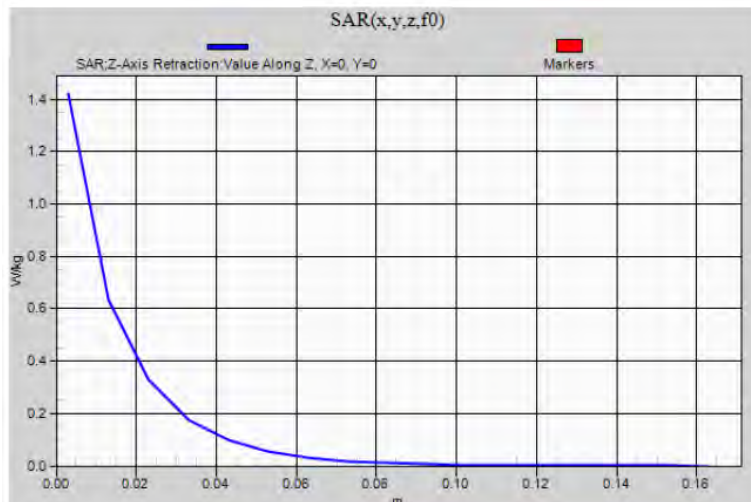
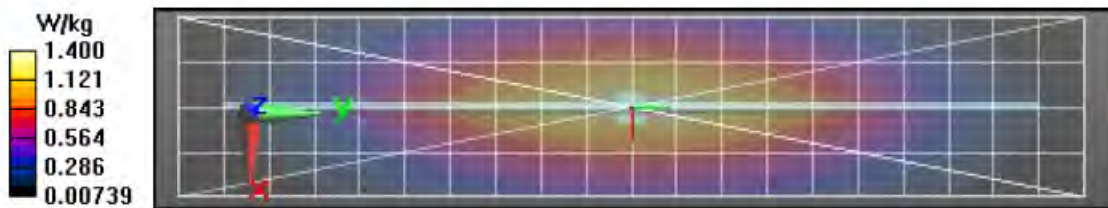
Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x201x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 38.95 V/m; Power Drift = 0.01 dB
 Fast SAR: SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.845 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.41 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 = 38.95 V/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 1.95 W/kg
 SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.789 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.42 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: 2/12/2018 7:51:04 PM

Robot#: DASY5-PG-4 | Run: AM-SYSP-450B-180212-05
 Dipole Model# D450V3
 Phantom#: ELI4 1040
 Tissue Temp: 20.6 (C)
 Serial#: 1054
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.036 dB
 Adjusted SAR (1W): 4.76 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.96$ S/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, , Frequency: 450 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

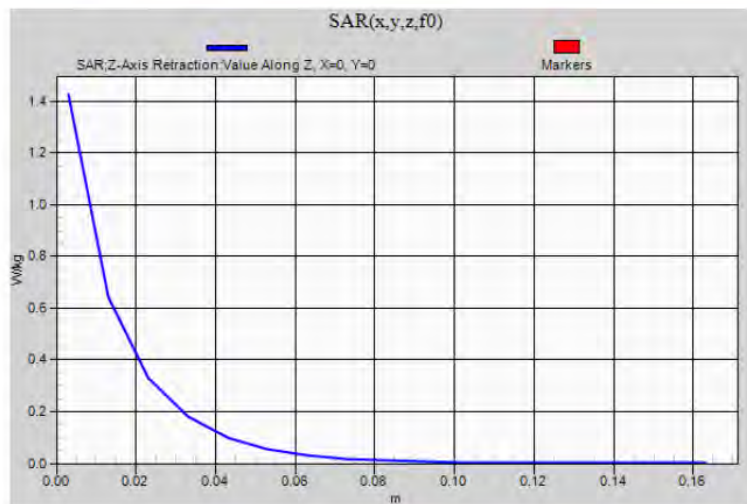
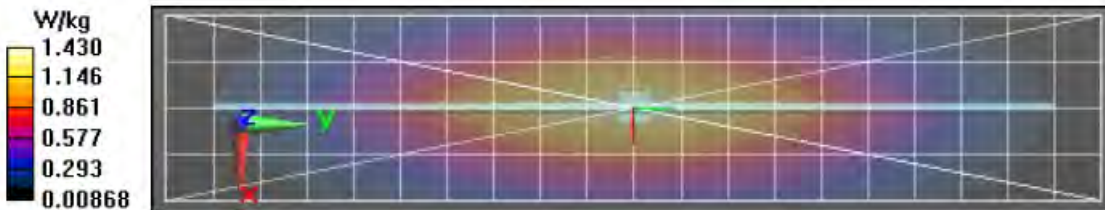
Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x201x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 38.85 V/m; Power Drift = -0.01 dB
 Fast SAR: SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.850 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.43 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 = 38.85 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 1.96 W/kg
 SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.791 W/kg (SAR corrected for target medium)

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



Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/13/2018 9:51:39 AM

Robot#: DASY5-PG-4 | Run#: FD(FAZ)-SYSP-450H-180213-05
 Dipole Model#: D450V3
 Phantom#: ELI4 1109
 Tissue Temp: 20.8 (C)
 Serial#: 1054
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.032 dB
 Adjusted SAR (1W): 4.88 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 44.2$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, Frequency: 450 MHz, ConvF(7.11, 7.11, 7.11); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

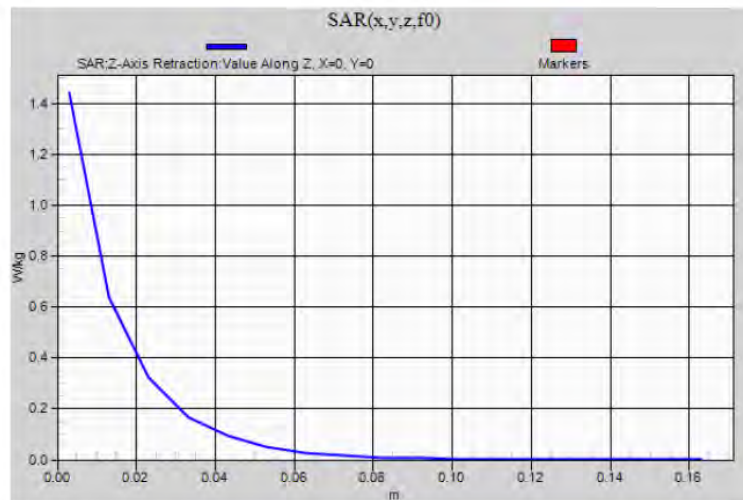
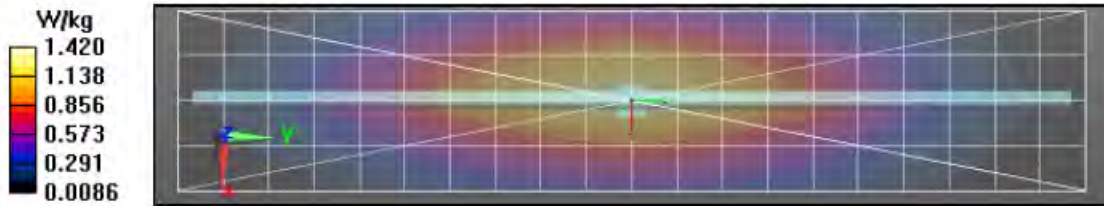
Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x201x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 41.40 V/m; Power Drift = -0.07 dB
 Fast SAR: SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.877 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.43 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 = 41.40 V/m; Power Drift = -0.07 dB
 Peak SAR (extrapolated) = 1.98 W/kg
 SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.806 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.44 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 1:23:50 PM

Robot#: DASY5-PG-4 | Run: FD(FAZ)-SYSP-450B-180214-13
 Dipole Model#: D450V3
 Phantom#: ELI4 1040
 Tissue Temp: 20.2 (C)
 Serial#: 1054
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.049 dB
 Adjusted SAR (1W): 4.96 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, Frequency: 450 MHz, ConvF(7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

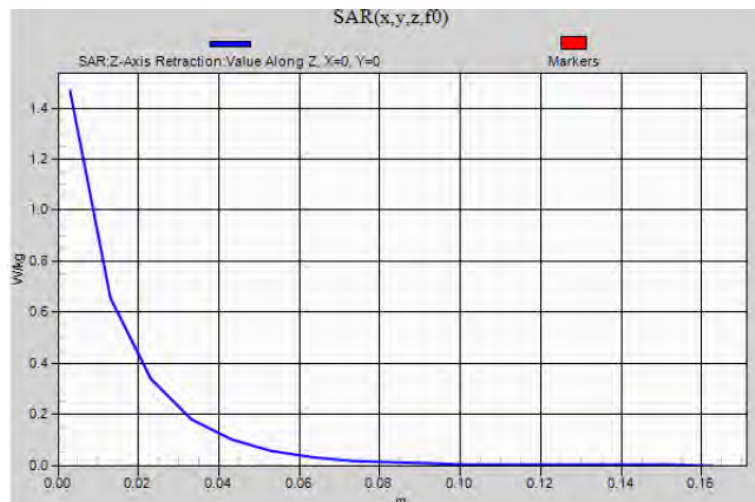
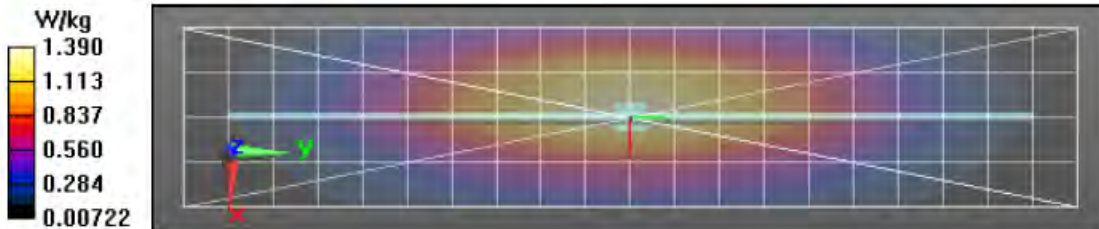
Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x201x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 39.80 V/m; Power Drift = -0.03 dB
 Fast SAR: SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.882 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.44 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 = 39.80 V/m; Power Drift = -0.03 dB
 Peak SAR (extrapolated) = 2.02 W/kg
 SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.819 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.47 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: 2/15/2018 12:48:01 PM

Robot#: DASY5-PG-4 | Run#: FD(FAZ)-SYSP-450H-180215-07
 Dipole Model#: D450V3
 Phantom#: ELI4 1109
 Tissue Temp: 20.3 (C)
 Serial#: 1054
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.04 dB
 Adjusted SAR (1W): 4.84 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.87$ S/m; $\epsilon_r = 44.3$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, Frequency: 450 MHz, ConvF(7.11, 7.11, 7.11); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

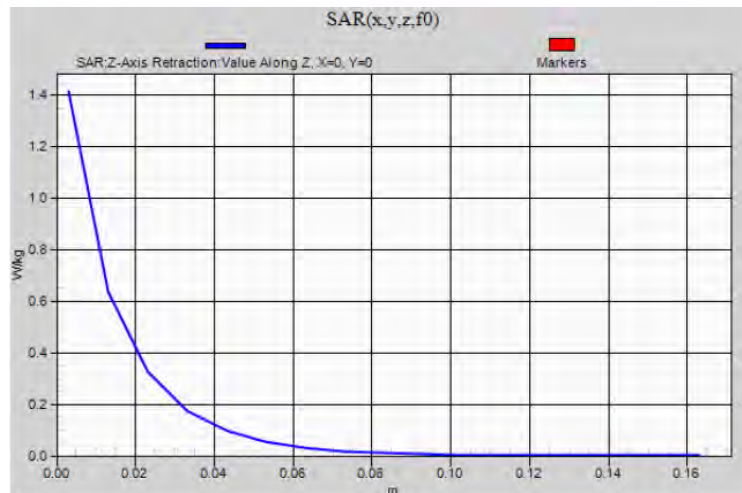
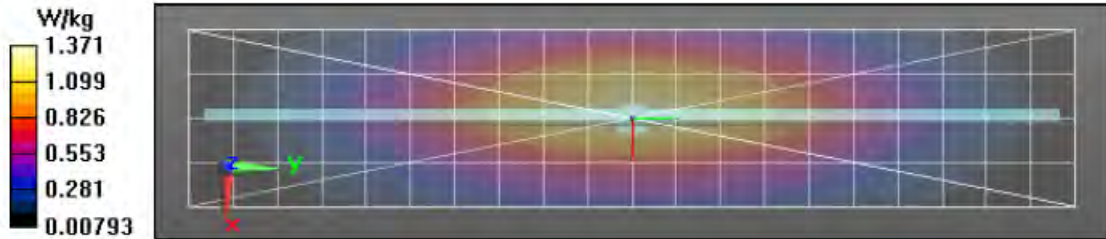
Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x201x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 40.88 V/m; Power Drift = -0.01 dB
 Fast SAR: SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.857 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.40 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 = 40.88 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 1.90 W/kg
 SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.801 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.41 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: 2/21/2018 1:13:29 PM

Robot#: DASY5-PG-4 | Run: AM-SYSP-450B-180221-03#
 Dipole Model#: D450V3
 Phantom#: ELI4 1040
 Tissue Temp: 21.1 (C)
 Serial#: 1054
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.03 dB
 Adjusted SAR (1W): 4.48 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.96 \text{ S/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3196, Frequency: 450 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

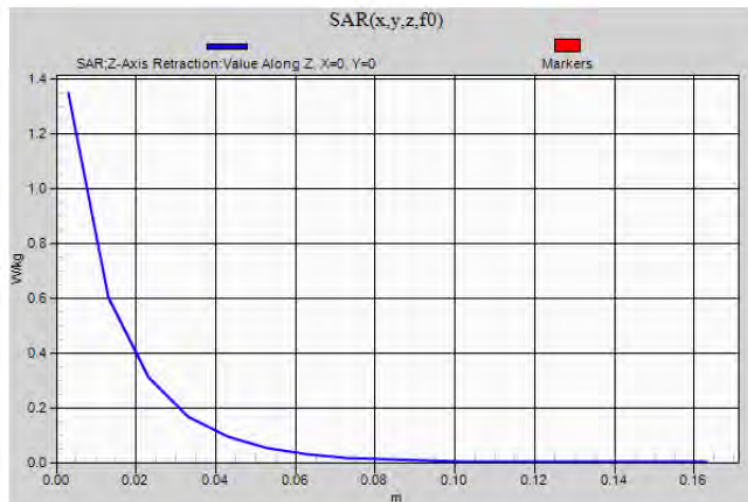
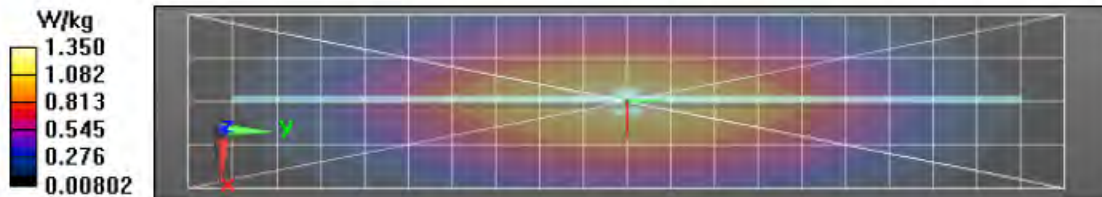
Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x201x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 37.57 V/m; Power Drift = 0.05 dB
 Fast SAR: SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.801 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.35 W/kg

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

Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 37.57 V/m; Power Drift = 0.05 dB
 Peak SAR (extrapolated) = 1.85 W/kg
 SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.743 W/kg (SAR corrected for target medium)

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



Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/27/2018 8:03:43 PM

Robot#: DASY5-PG-4 | Run: AM(ZZ)-SYSP-450B-180227-08
 Dipole Model# D450V3
 Phantom#: ELI4 1040
 Tissue Temp: 20.7 (C)
 Serial#: 1054
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.041 dB
 Adjusted SAR (1W): 4.72 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.95$ S/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, Frequency: 450 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

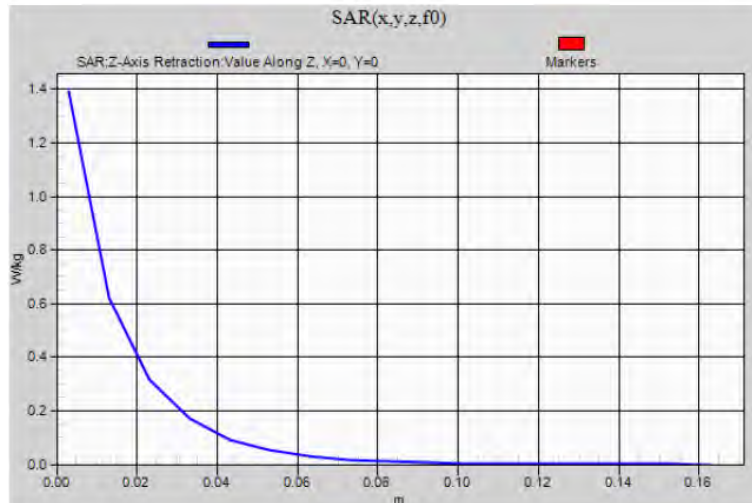
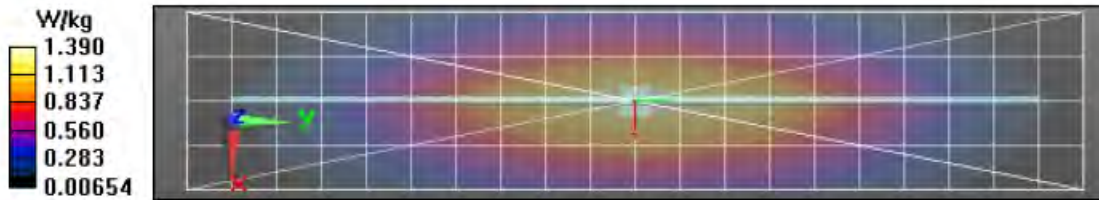
Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x201x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 38.68 V/m; Power Drift = -0.03 dB
 Fast SAR: SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.837 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.40 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 = 38.68 V/m; Power Drift = -0.03 dB
 Peak SAR (extrapolated) = 1.91 W/kg
 SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.773 W/kg (SAR corrected for target medium)

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



Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/28/2018 12:52:34 AM

Robot#: DASY5-PG-4 | Run: AM(ZZ)-SYSP-450H-180228-01#
 Dipole Model# D450V3
 Phantom#: ELI4 1109
 Tissue Temp: 21.1 (C)
 Serial#: 1054
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.029dB
 Adjusted SAR (1W): 4.60 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 43.9$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, , Frequency: 450 MHz, ConvF(7.11, 7.11, 7.11); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

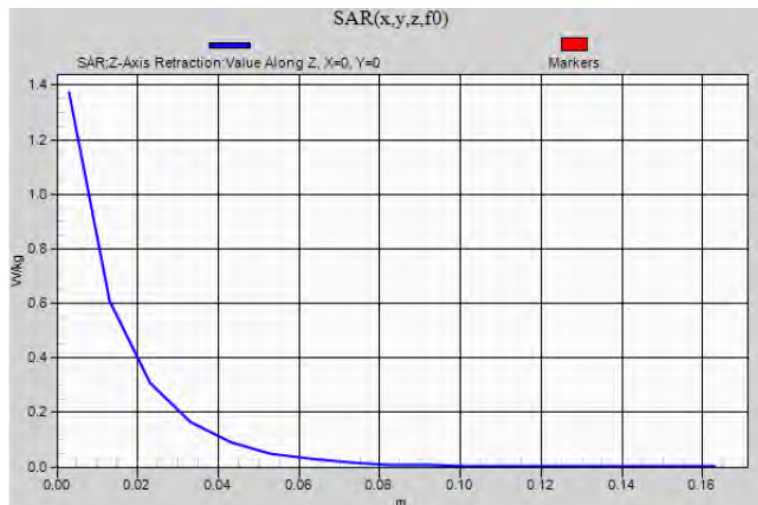
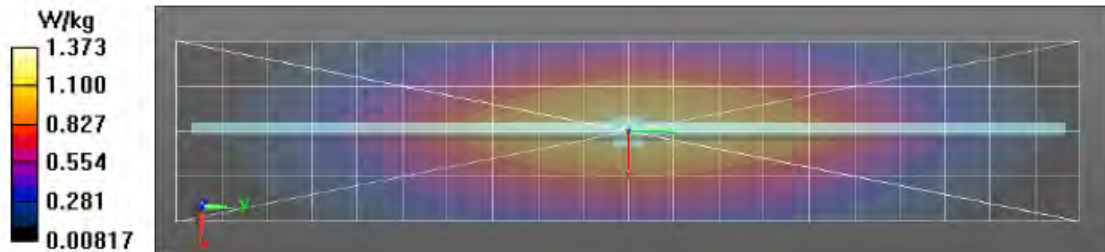
Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x201x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 39.95 V/m; Power Drift = -0.03 dB
 Fast SAR: SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.825 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.38 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 = 39.95 V/m; Power Drift = -0.03 dB
 Peak SAR (extrapolated) = 1.86 W/kg
 SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.761 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



APPENDIX E
DUT Scans

Assessments at the Body with Body Worn HLN8255B Table 18

Motorola Solutions, Inc. EME Laboratory Date/Time: 1/28/2018 9:15:58 AM

Robot#: DASY5-PG-4 | Run#: FD(FAZ)-AB-180128-04
 Model#: AAH01QDC9JA2AN (PMUE4147B)
 Phantom#: ELI4 1040
 Tissue Temp: 20.5 (C)
 Serial#: 752TTZ7262
 Antenna: PMAE4003A
 Test Freq: 430.0000 (MHz)
 Battery: PMNN4458BR
 Carry Acc: HLN8255B
 Audio Acc: PMMN4013A
 Start Power: 4.80 (W)

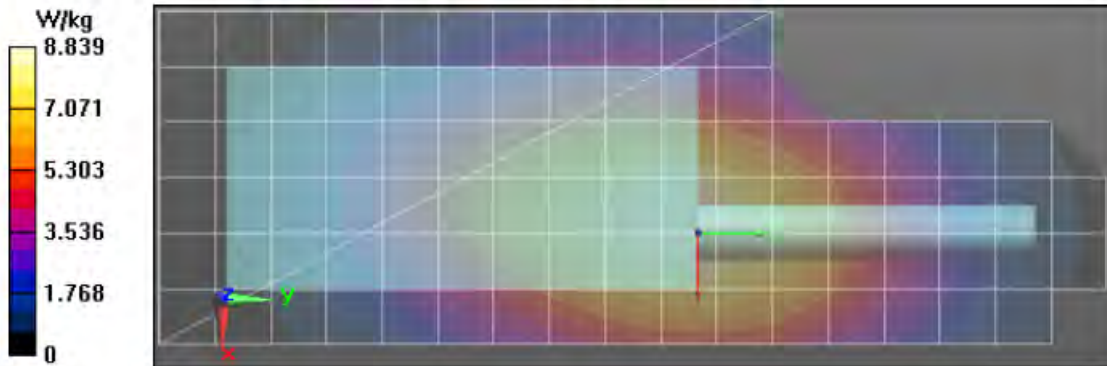
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 430$ MHz; $\sigma = 0.95$ S/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, , Frequency: 430 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 99.35 V/m; Power Drift = -0.37 dB
Fast SAR: SAR(1 g) = 8.01 W/kg; SAR(10 g) = 5.84 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 8.95 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 = 99.35 V/m; Power Drift = -0.45 dB
 Peak SAR (extrapolated) = 10.9 W/kg
SAR(1 g) = 7.65 W/kg; SAR(10 g) = 5.61 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 8.56 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) = 8.53 W/kg



Assessments at the Body with Body Worn RLN5644A

Table 19

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/28/2018 5:16:32 PM

Robot#: DASY5-PG-4 | Run#: FD(FAZ)-AB-180128-15
 Model#: AAH01QDC9JA2AN (PMUE4147B)
 Phantom#: ELI4 1040
 Tissue Temp: 20.5 (C)
 Serial#: 752TTZ7262
 Antenna: PMAE4003A
 Test Freq: 430.0000 (MHz)
 Battery: PMNN4072A
 Carry Acc: RLN5644A
 Audio Acc: PMMN4013A
 Start Power: 4.79 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 430 MHz; $\sigma = 0.95$ S/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3196, Frequency: 430 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017

Electronics: DAE4 Sn684, Calibrated: 5/12/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (81x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 98.70 V/m; Power Drift = -0.36 dB

Fast SAR: SAR(1 g) = 7.97 W/kg; SAR(10 g) = 5.79 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 8.93 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 = 98.70 V/m; Power Drift = -0.42 dB

Peak SAR (extrapolated) = 11.3 W/kg

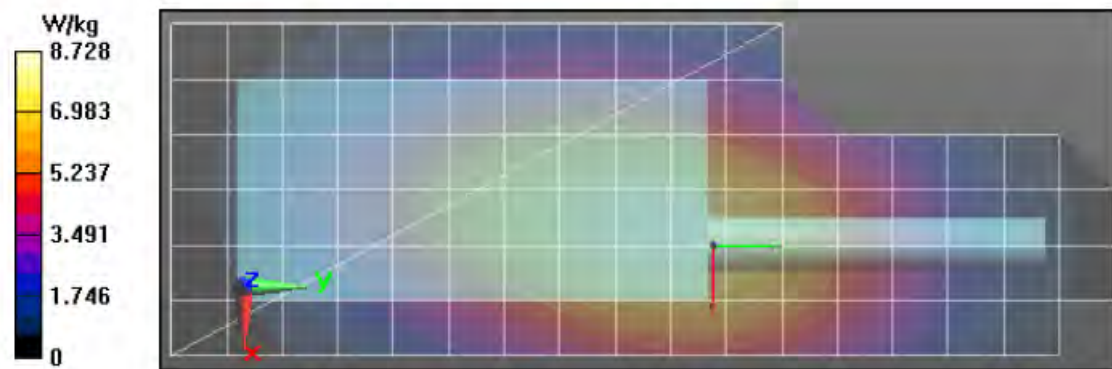
SAR(1 g) = 7.78 W/kg; SAR(10 g) = 5.64 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.82 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) = 8.76 W/kg



Assessments at the Body with Body Worn RLN4570A Table 20

Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/1/2018 9:53:57 AM

Robot#: DASY5-PG-4 | Run#: FIE-AB-180201-07#
 Model#: AAH01QDC9JA2AN (PMUE4147B)
 Phantom#: ELI4 1040
 Tissue Temp: 20.7 (C)
 Serial#: 752TTZ7262
 Antenna: PMAE4003A
 Test Freq: 430.0000 (MHz)
 Battery: PMNN4072A
 Carry Acc: RLN4570A
 Audio Acc: PMMN4013A
 Start Power: 4.73 (W)

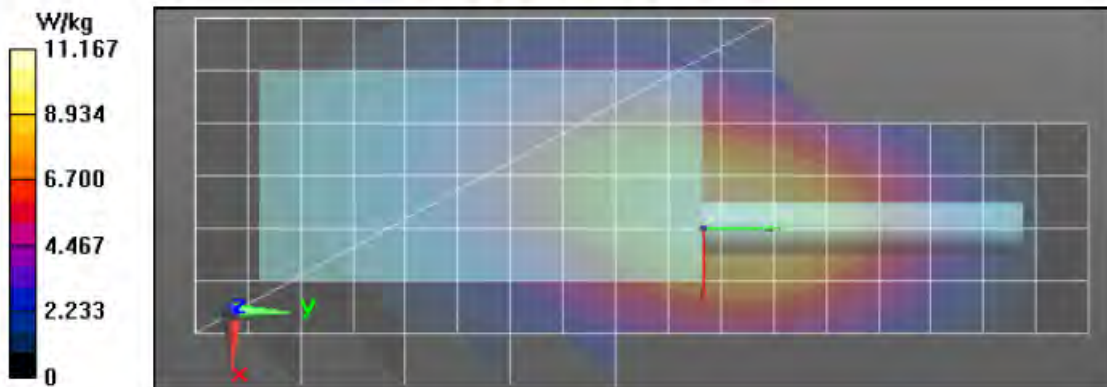
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.94 \text{ S/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3196, Frequency: 430 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x231x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 109.0 V/m; Power Drift = -0.37 dB
 Fast SAR: SAR(1 g) = 10.1 W/kg; SAR(10 g) = 7.24 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 11.3 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 = 109.0 V/m; Power Drift = -0.44 dB
 Peak SAR (extrapolated) = 14.1 W/kg
 SAR(1 g) = 9.63 W/kg; SAR(10 g) = 6.87 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 10.9 W/kg

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



Assessments at the Body with Body Worn HLN6602A Table 21

Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/5/2018 5:41:19 PM

Robot#: DASY5-PG-4 | Run#: AM-AB-180205-14
 Model#: AAH01QDC9JA2AN (PMUE4147B)
 Phantom#: ELI4 1040
 Tissue Temp: 20.5 (C)
 Serial#: 752TTZ7262
 Antenna: PMAE4003A
 Test Freq: 430.0000 (MHz)
 Battery: PMNN4098A
 Carry Acc: HLN6602A
 Audio Acc: PMMN4013A
 Start Power: 4.80 (W)

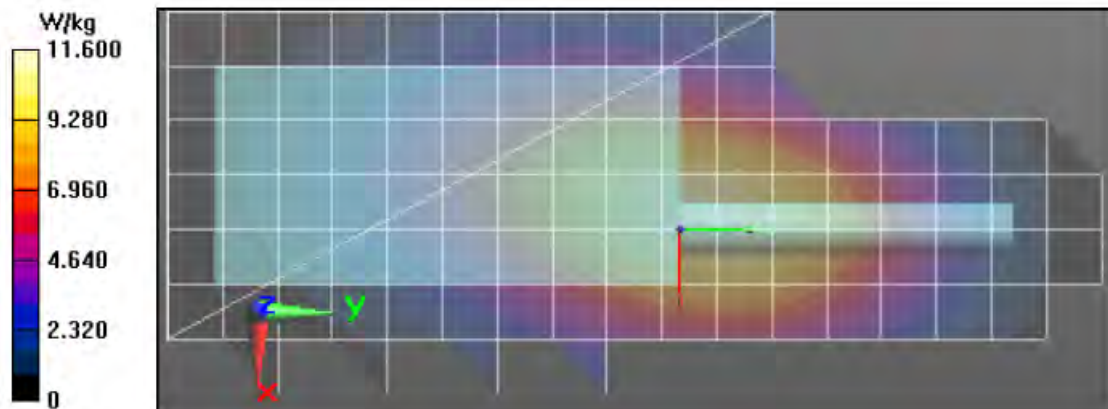
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 430$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, Frequency: 430 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 116.0 V/m; Power Drift = -0.77 dB
 Fast SAR: SAR(1 g) = 10.4 W/kg; SAR(10 g) = 7.53 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 11.7 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 = 116.0 V/m; Power Drift = -0.80 dB
 Peak SAR (extrapolated) = 14.2 W/kg
 SAR(1 g) = 9.87 W/kg; SAR(10 g) = 7.16 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 11.1 W/kg

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



Assessments at the Body with Body Worn RLN4815A Table 22

Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/6/2018 4:28:37 PM

Robot#: DASY5-PG-4 | Run#: AM-AB-180206-14
Model#: AAH01QDC9JA2AN (PMUE4147B)
Phantom#: ELI4 1040
Tissue Temp: 20.5 (C)
Serial#: 752TTZ7262
Antenna: PMAE4003A
Test Freq: 430.0000 (MHz)
Battery: NNTN4851A
Carry Acc: RLN4815A
Audio Acc: PMMN4013A
Start Power: 4.80 (W)

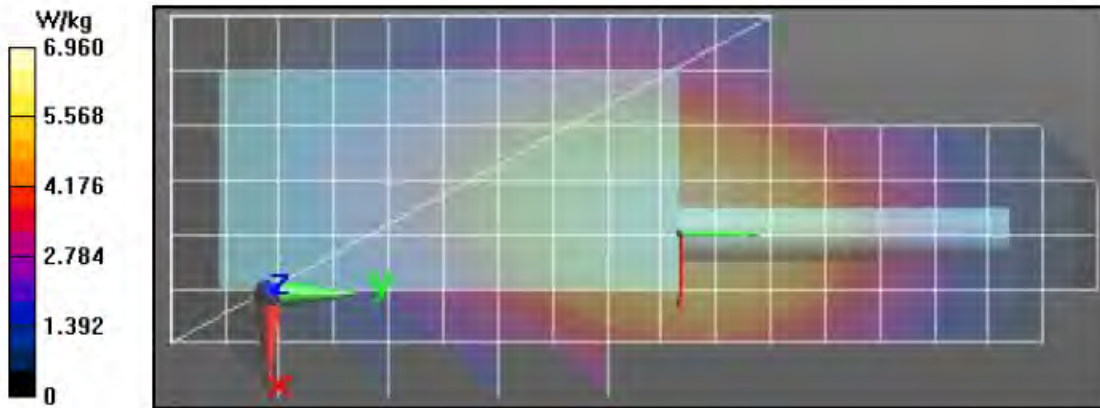
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 430$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³
Probe: ES3DV3 - SN3196, Frequency: 430 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
Electronics: DAE4 Sn684, Calibrated: 5/12/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 89.42 V/m; Power Drift = -0.32 dB
Fast SAR: SAR(1 g) = 6.3 W/kg; SAR(10 g) = 4.61 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 7.01 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 = 89.42 V/m; Power Drift = -0.43 dB
Peak SAR (extrapolated) = 8.52 W/kg
SAR(1 g) = 6.13 W/kg; SAR(10 g) = 4.56 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.80 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) = 6.69 W/kg



Assessments at the Body with Body Worn HLN9701B w/NTN5243A Table 23

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/7/2018 1:25:50 PM

Robot#: DASY5-PG-4 | Run#: AM-AB-180207-08
 Model#: AAH01QDC9JA2AN (PMUE4147B)
 Phantom#: ELI4 1040
 Tissue Temp: 21.5 (C)
 Serial#: 752TTZ7262
 Antenna: PMAE4003A
 Test Freq: 430.0000 (MHz)
 Battery: NNTN4497DR
 Carry Acc: HLN9701B/ NTN5243A
 Audio Acc: PMMN4013A
 Start Power: 4.80 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 430$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, Frequency: 430 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

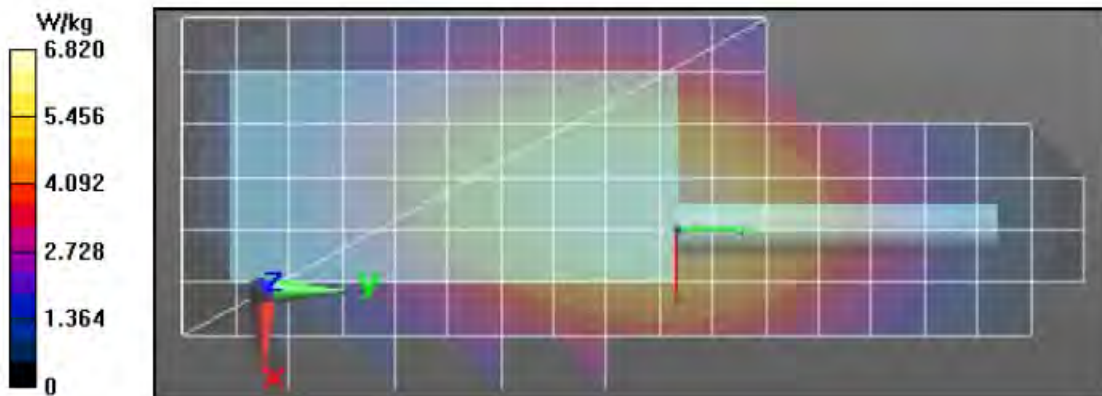
Reference Value = 87.94 V/m; Power Drift = -0.42 dB
 Fast SAR: SAR(1 g) = 6.24 W/kg; SAR(10 g) = 4.57 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 6.96 W/kg

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 = 87.94 V/m; Power Drift = -0.55 dB
 Peak SAR (extrapolated) = 8.44 W/kg
 SAR(1 g) = 5.99 W/kg; SAR(10 g) = 4.47 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 6.71 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) = 6.61 W/kg



Assessments at the Body with Body Worn RLN5383A w/ NTN5243A Table 24

Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/8/2018 4:20:01 PM

Robot#: DASY5-PG-4 | Run#: AM-AB-180208-12
Model#: AAH01QDC9JA2AN (PMUE4147B)
Phantom#: ELI4 1040
Tissue Temp: 20.5 (C)
Serial#: 752TTZ7262
Antenna: PMAE4003A
Test Freq: 430.0000 (MHz)
Battery: PMNN4098A
Carry Acc: RLN5383A/NTN5243A
Audio Acc: PMMN4013A
Start Power: 4.80 (W)

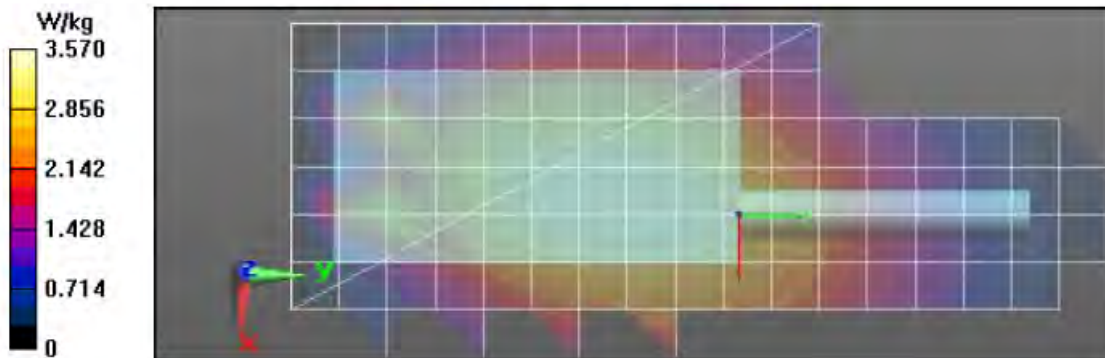
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 430$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Probe: ES3DV3 - SN3196, , Frequency: 430 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
Electronics: DAE4 Sn684, Calibrated: 5/12/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 63.30 V/m; Power Drift = -0.72 dB
Fast SAR: SAR(1 g) = 3.26 W/kg; SAR(10 g) = 2.4 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.62 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 = 63.30 V/m; Power Drift = -0.84 dB
Peak SAR (extrapolated) = 4.24 W/kg
SAR(1 g) = 3.11 W/kg; SAR(10 g) = 2.37 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.45 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) = 3.38 W/kg



Assessments at the Body with Body Worn RLN5385B w/ NTN5243A Table 25

Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/9/2018 7:19:22 PM

Robot#: DASY5-PG-4 | Run#: FD(FAZ)-AB-180209-14
Model#: AAH01QDC9JA2AN (PMUE4147B)
Phantom#: ELI4 1040
Tissue Temp: 20.4 (C)
Serial#: 752TTZ7262
Antenna: PMAE4003A
Test Freq: 430.0000 (MHz)
Battery: NNTN4851A
Carry Acc: RLN5385B/ NTN5243A
Audio Acc: PMMN4013A
Start Power: 4.69 (W)

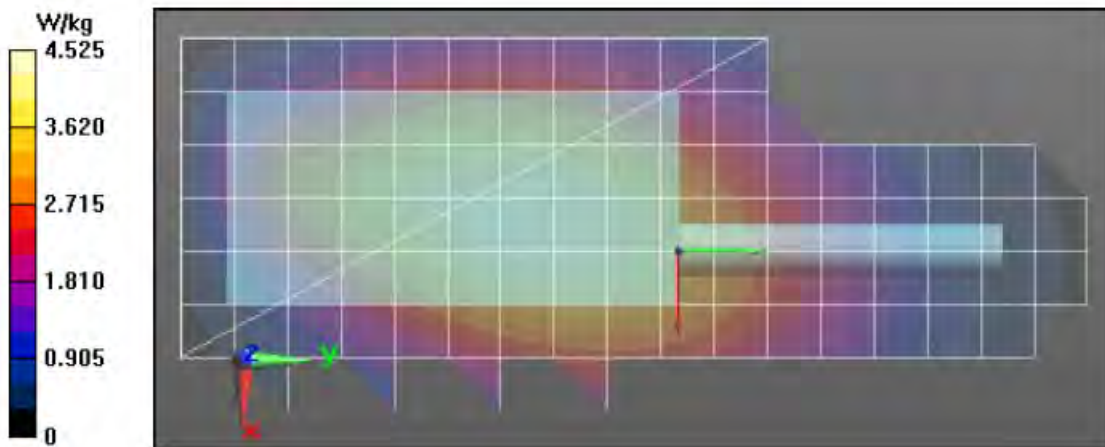
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 430$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Probe: ES3DV3 - SN3196, Frequency: 430 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
Electronics: DAE4 Sn684, Calibrated: 5/12/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 66.64 V/m; Power Drift = -0.18 dB
Fast SAR: SAR(1 g) = 4.13 W/kg; SAR(10 g) = 3.03 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 4.62 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 = 66.64 V/m; Power Drift = -0.36 dB
Peak SAR (extrapolated) = 5.58 W/kg
SAR(1 g) = 4.02 W/kg; SAR(10 g) = 3.01 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.48 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) = 4.37 W/kg



Assessments at the Body with other audio accessories Table 26

Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/12/2018 12:58:20 AM

Robot#: DASY5-PG-4 | Run#: AM-AB-180212-01#
Model#: AAH01QDC9JA2AN (PMUE4147B)
Phantom#: ELI4 1040
Tissue Temp: 19.6 (C)
Serial#: 752TTZ7262
Antenna: PMAE4003A
Test Freq: 430.0000 (MHz)
Battery: PMNN4098A
Carry Acc: HLN6602A
Audio Acc: PMLN6537A
Start Power: 4.80 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.93 \text{ S/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3196, Frequency: 430 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
Electronics: DAE4 Sn684, Calibrated: 5/12/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x231x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

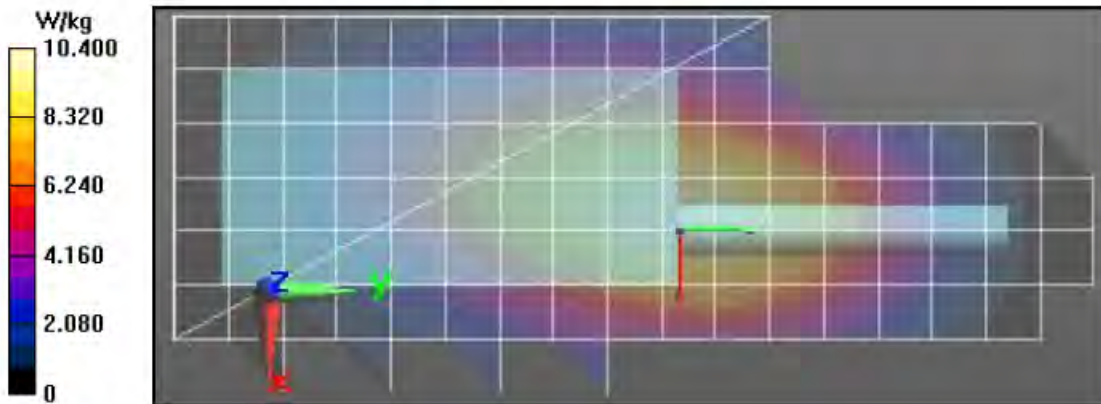
Reference Value = 111.7 V/m; Power Drift = -0.76 dB
Fast SAR: SAR(1 g) = 9.46 W/kg; SAR(10 g) = 6.86 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 10.6 W/kg

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 = 111.7 V/m; Power Drift = -0.85 dB
Peak SAR (extrapolated) = 13.0 W/kg
SAR(1 g) = 8.94 W/kg; SAR(10 g) = 6.45 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 10.1 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) = 10.0 W/kg



Assessments at the Face
Table 28

Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/13/2018 7:47:51 PM

Robot#: DASY5-PG-4 | Run#: AM-FACE-180213-13
 Model#: AAH01QDC9JA2AN (PMUE4147B)
 Phantom#: ELI4 1109
 Tissue Temp: 20.5 (C)
 Serial#: 752TTZ7262
 Antenna: PMAE4002A
 Test Freq: 419.6000 (MHz)
 Battery: NNTN4970A
 Carry Acc: @ front
 Audio Acc: N/A
 Start Power: 4.61 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 420 \text{ MHz}$; $\sigma = 0.86 \text{ S/m}$; $\epsilon_r = 44.9$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3196, Frequency: 419.6 MHz, ConvF(7.11, 7.11, 7.11); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

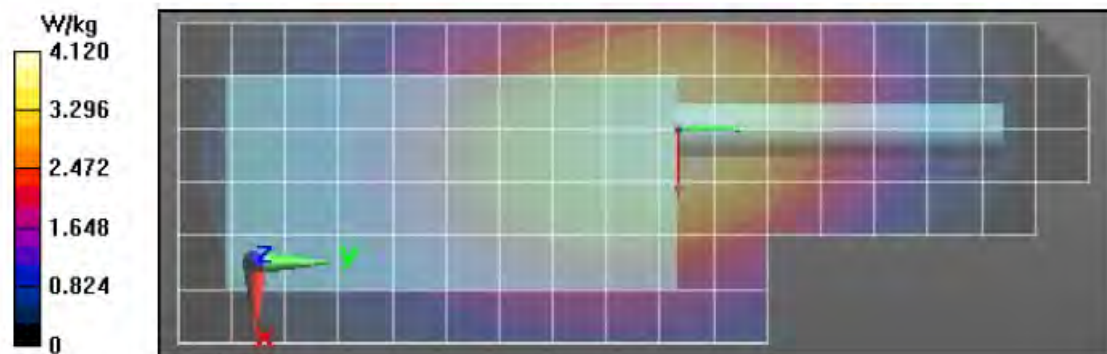
Below 2 GHz-Rev.2/Face Scan/1-Area Scan (71x221x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 70.75 V/m; Power Drift = -0.22 dB
 Fast SAR: SAR(1 g) = 3.76 W/kg; SAR(10 g) = 2.74 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 4.14 W/kg

Below 2 GHz-Rev.2/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 70.75 V/m; Power Drift = -0.23 dB
 Peak SAR (extrapolated) = 5.23 W/kg
 SAR(1 g) = 3.7 W/kg; SAR(10 g) = 2.7 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 4.11 W/kg

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



Assessment for ISED, Canada (Body)
Table 29

Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/5/2018 5:41:19 PM

Robot#: DASY5-PG-4 | Run#: AM-AB-180205-14
Model#: AAH01QDC9JA2AN (PMUE4147B)
Phantom#: ELI4 1040
Tissue Temp: 20.5 (C)
Serial#: 752TTZ7262
Antenna: PMAE4003A
Test Freq: 430.0000 (MHz)
Battery: PMNN4098A
Carry Acc: HLN6602A
Audio Acc: PMMN4013A
Start Power: 4.80 (W)

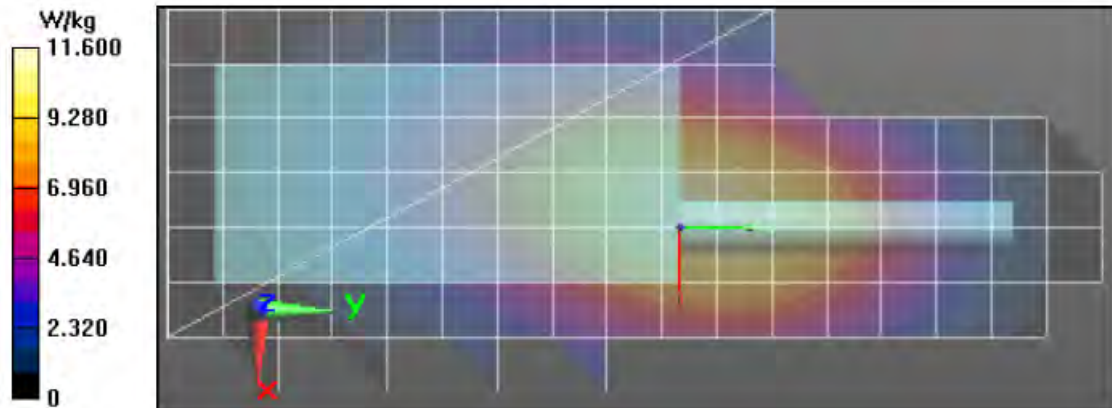
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 430 MHz; sigma = 0.93 S/m; epsilon_r = 54.5; rho = 1000 kg/m^3
Probe: ES3DV3 - SN3196, Frequency: 430 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
Electronics: DAE4 Sn684, Calibrated: 5/12/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 116.0 V/m; Power Drift = -0.77 dB
Fast SAR: SAR(1 g) = 10.4 W/kg; SAR(10 g) = 7.53 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 11.7 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 = 116.0 V/m; Power Drift = -0.80 dB
Peak SAR (extrapolated) = 14.2 W/kg
SAR(1 g) = 9.87 W/kg; SAR(10 g) = 7.16 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 11.1 W/kg

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



Assessment for ISED, Canada (Face)

Table 29

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/28/2018 1:59:47 AM

Robot#: DASY5-PG-4 | Run#: AM(ZZ)-FACE-180228-02#
 Model#: AAH01QDC9JA2AN (PMUE4147B)
 Phantom#: ELI4 1109
 Tissue Temp: 21.5 (C)
 Serial#: 752TTZ7262
 Antenna: PMAE4002A
 Test Freq: 430.000 (MHz)
 Battery: NNTN4970A
 Carry Acc: @ front
 Audio Acc: N/A
 Start Power: 4.75 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.87 \text{ S/m}$; $\epsilon_1 = 44.4$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3196, , Frequency: 430 MHz, ConvF(7.11, 7.11, 7.11); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

Below 2 GHz-Rev.2/Face Scan/1-Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

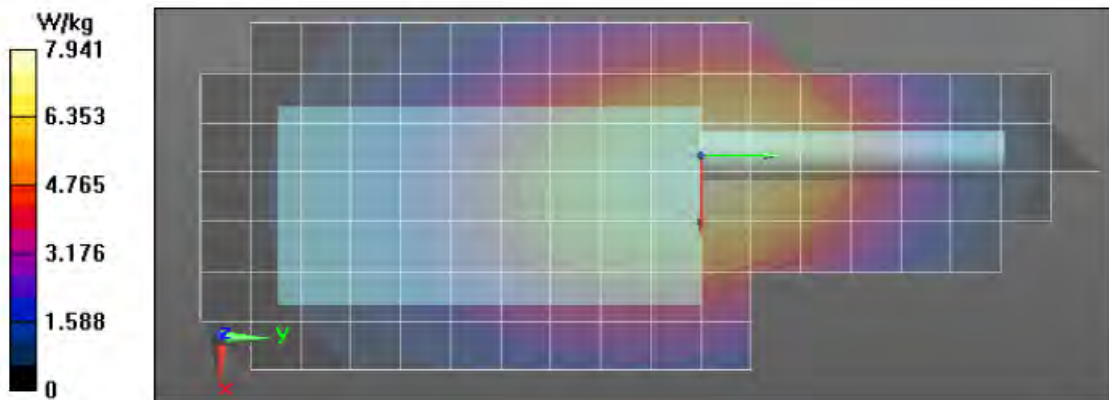
Reference Value = 96.63 V/m; Power Drift = -0.25 dB
 Fast SAR: SAR(1 g) = 7.13 W/kg; SAR(10 g) = 5.21 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 7.94 W/kg

Below 2 GHz-Rev.2/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 96.63 V/m; Power Drift = -0.30 dB
 Peak SAR (extrapolated) = 9.73 W/kg
 SAR(1 g) = 6.96 W/kg; SAR(10 g) = 5.12 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 7.77 W/kg

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

Maximum value of SAR (measured) = 7.72 W/kg



Assessment outside FCC Part 90 (Body)
Table 30

Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/13/2018 1:26:50 AM

Robot#: DASY5-PG-4 | Run#: AM-AB-180213-03#
Model#: AAH01QDC9JA2AN (PMUE4147B)
Phantom#: ELI4 1040
Tissue Temp: 20.3 (C)
Serial#: 752TTZ7262
Antenna: PMAE4016A
Test Freq: 403.0000 (MHz)
Battery: PMNN4098A
Carry Acc: HLN6602A
Audio Acc: PMMN4013A
Start Power: 4.61 (W)

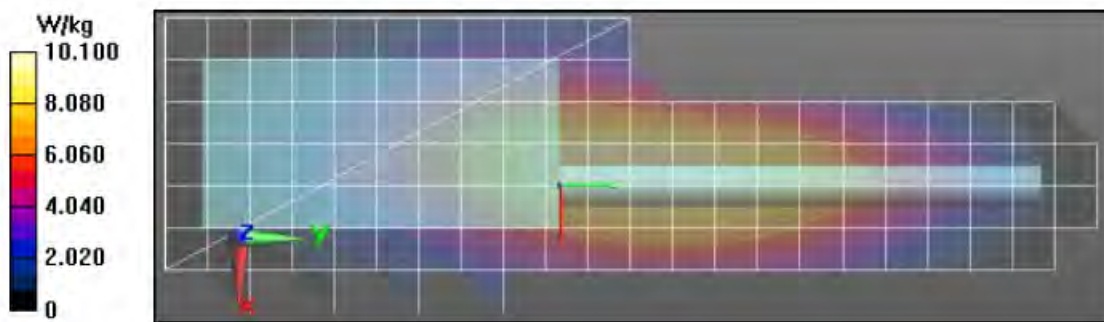
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 403 \text{ MHz}$; $\sigma = 0.92 \text{ S/m}$; $\epsilon_r = 55.3$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3196, Frequency: 403 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
Electronics: DAE4 Sn684, Calibrated: 5/12/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x231x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Reference Value = 105.2 V/m; Power Drift = -0.10 dB
Fast SAR: SAR(1 g) = 9.09 W/kg; SAR(10 g) = 6.61 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 10.2 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 = 105.2 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 12.8 W/kg
SAR(1 g) = 8.89 W/kg; SAR(10 g) = 6.47 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 10.0 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) = 9.97 W/kg



Assessment outside FCC Part 90 (Face)
Table 30

Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/14/2018 4:59:48 AM

Robot#: DASY5-PG-4 | Run#: AM-FACE-180214-07#
Model#: AAH01QDC9JA2AN(PMUE4147B)
Phantom#: ELI4 1109
Tissue Temp: 20.2 (C)
Serial#: 752TTZ7262
Antenna: PMAE4016A
Test Freq: 403.0000 (MHz)
Battery: NNTN4970A
Carry Acc: @ front
Audio Acc: N/A
Start Power: 4.68 (W)

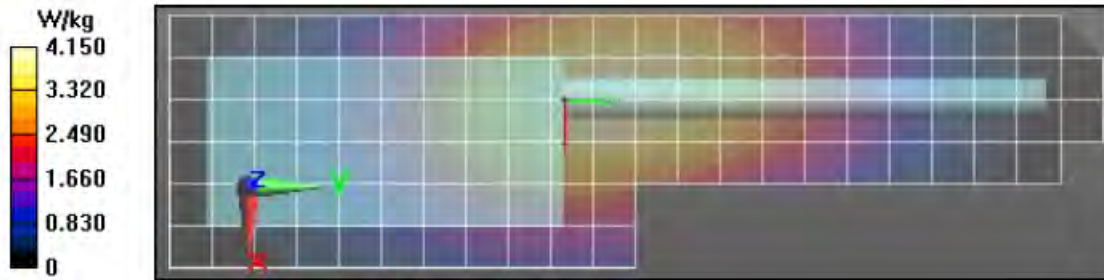
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 403 MHz; $\sigma = 0.84$ S/m; $\epsilon_r = 45.3$; $\rho = 1000$ kg/m³
Probe: ES3DV3 - SN3196, Frequency: 403 MHz, ConvF(7.11, 7.11, 7.11); Calibrated: 5/17/2017
Electronics: DAE4 Sn684, Calibrated: 5/12/2017

Below 2 GHz-Rev.2/Face Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 69.05 V/m; Power Drift = -0.23 dB
Fast SAR: SAR(1 g) = 3.87 W/kg; SAR(10 g) = 2.84 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 4.17 W/kg

Below 2 GHz-Rev.2/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 69.05 V/m; Power Drift = -0.24 dB
Peak SAR (extrapolated) = 5.17 W/kg
SAR(1 g) = 3.86 W/kg; SAR(10 g) = 2.86 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.19 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) = 4.16 W/kg



APPENDIX F

Shortened Scan of Highest SAR configuration

Table 31

Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/12/2018 10:46:58 PM

Robot#: DASY5-PG-4 | Run#: AM-AB-180212-07
 Model#: AAH01QDC9JA2AN (PMUE4147B)
 Phantom#: ELI4 1040
 Tissue Temp: 20.5 (C)
 Serial#: 752TTZ7262
 Antenna: PMAE4003A
 Test Freq: 430.0000 (MHz)
 Battery: PMNN4098A
 Carry Acc: HLN6602A
 Audio Acc: PMMN4013A
 Start Power: 4.71 (W)

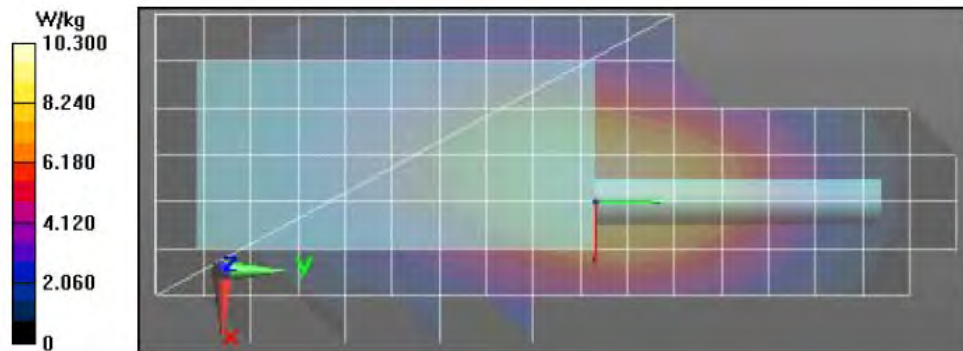
Comments: Shorten scan

Duty Cycle: 1:1, Medium parameters used: f = 430 MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3196, , Frequency: 430 MHz, ConvF(7, 7, 7); Calibrated: 5/17/2017
 Electronics: DAE4 Sn684, Calibrated: 5/12/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (71x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 108.5 V/m; Power Drift = -0.69 dB
 Fast SAR: SAR(1 g) = 9.35 W/kg; SAR(10 g) = 6.75 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 10.5 W/kg

Below 2 GHz-Rev.2/Ab Scan/2-Volume 2D Scan (5x5x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
 Reference Value = 108.5 V/m; Power Drift = -0.74 dB
 Maximum value of SAR (measured) = 10.2 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 = 113.7 V/m; Power Drift = -0.73 dB
 Peak SAR (extrapolated) = 13.8 W/kg
 SAR(1 g) = 9.42 W/kg; SAR(10 g) = 6.77 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 10.7 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)	31	10	5.68
Full scan (area & zoom)	21	30	5.93

APPENDIX G
DUT Test Position Photos

Photos available in Exhibit 7B

APPENDIX H
DUT, Body worn and Audio accessories Photos

Photos available in Exhibit 7B