

 MOTOROLA SOLUTIONS	 TESTING CERT # 2518.05
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DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2

Motorola Solutions Inc. EME Test Laboratory Motorola Solutions Malaysia Sdn Bhd (455657-H) Plot 2, Bayan Lepas Technoplex Industrial Park, Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.	Date of Report: 12/04/2015 Report Revision: A
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Responsible Engineer: Tiong Nguk Ing (EME Engineer)
Report Author: Tiong Nguk Ing (EME Engineer)
Date/s Tested: 11/7/2015-11/19/2015
Manufacturer: Motorola Solutions Inc.
DUT Description: Handheld Portable – 403-527 MHz 4W LKP CFS WIFI, 403- 527 MHz 4W NKP CFS WIFI
Test TX mode(s): CW (PTT) , Bluetooth, WLAN 802.11 b/g/n
Max. Power output: 4.8 W (LMR 403-527 MHz band), 10 mW (Bluetooth), 69.9 mW (WLAN 802.11 b), 18.6 mW (WLAN 802.11g), 12.6 mW (WLAN 802.11n)
Nominal Power: 4.0 W (LMR 403-527 MHz band), 8.9 mW (Bluetooth), 55.0 mW (WLAN 802.11 b), 14.8 mW (WLAN 802.11g), 10 mW (WLAN 802.11n)
Tx Frequency Bands: LMR 403-527 MHz; Bluetooth 2.402-2.480 GHz; WLAN 802.11 b/g/n 2.412-2.462 GHz
Signaling type: FM (LMR), FHSS (Bluetooth), 802.11 b/g/n (WLAN)
Model(s) Tested: PMUE3836B, PMUE3838B
Model(s) Certified: PMUE3836B, PMUE3838B
Serial Number(s): 446TRT7269, 446TRT7258 and 867TRT4943
Classification: Occupational/Controlled
FCC ID: AZ489FT7068; LMR 406.125-512 MHz, Bluetooth 2.402-2.480 GHz, WLAN 802.11 b/g/n 2.412-2.462 GHz
 This report contains results that are immaterial for FCC equipment approval, which are clearly identified.
IC: 109U-89FT7068; This report contains results that are immaterial for IC equipment approval, which are clearly identified.

The test results clearly demonstrate compliance with FCC Occupational/Controlled RF Exposure limits of 8 W/kg averaged over 1 gram per the requirements of OET Bulletin 65. The 10 grams result is not applicable to FCC filing. The test results clearly demonstrate compliance with ICNIRP (1998) Guidelines for limiting exposure in time-varying electric, magnetic, and electromagnetic fields (up to 300 GHz), Health Physics 74, 494-522 RF Exposure limits of 10 W/kg averaged over 10grams of contiguous tissue.

Based on the information and the testing results provided herein, the undersigned certifies that when used as stated in the operating instructions supplied, said product complies with the national and international reference standards and guidelines listed in section 4.0 of this report. This report shall not be reproduced without written approval from an officially designated representative of the Motorola Solutions Inc EME Laboratory. I attest to the accuracy of the data and assume full responsibility for the completeness of these measurements. This reporting format is consistent with the suggested guidelines of the TIA TSB-150 December 2004. The results and statements contained in this report pertain only to the device(s) evaluated.

 Deanna Zakharia EMS EME Lab Senior Resource Manager, Laboratory Director Approval Date: 12/4/2015	
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Appendix D

System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/7/2015 9:09:25 AM

Robot#: DASY5-PG-1 | Run#: TLC-SYSP-450B-151107-01
 Dipole Model#: D450V3
 Phantom#: ELI5 1150
 Tissue Temp: 20.6 (C)
 Serial#: 1053
 Test Freq: 450 000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.19 dB
 Adjusted SAR (1W): 4.72 mW/g (1g)

Comments:

Duty Cycle: 1:1. Medium parameters used: $f = 450$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 54.9$; $\rho = 1000$ kg/m³.
 Probe: ES3DV3 - SN3122. Frequency: 450 MHz. ConvF(6.78, 6.78, 6.78). Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x181x1):

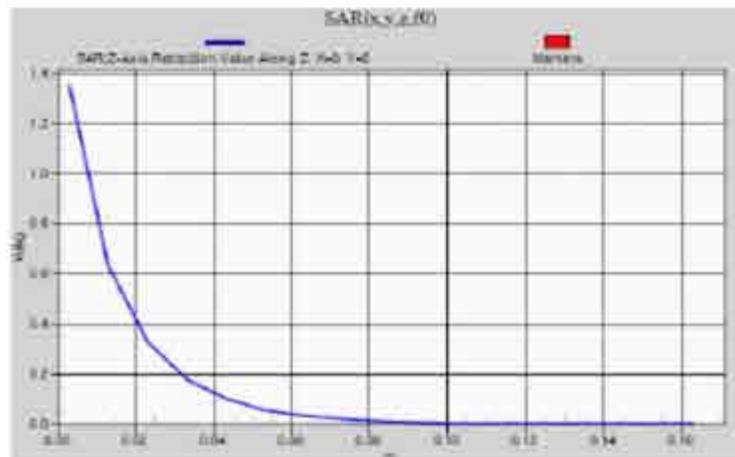
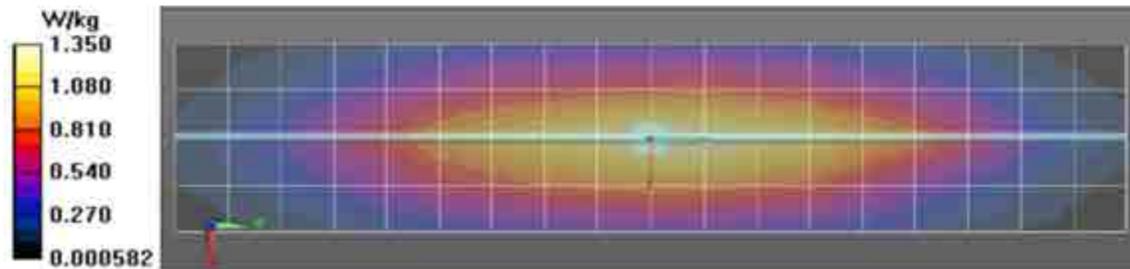
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 38.62 V/m; Power Drift = 0.19 dB
 Fast SAR: SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.837 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.41 W/kg

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 = 38.62 V/m; Power Drift = 0.19 dB
 Peak SAR (extrapolated) = 1.82 W/kg
 SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.783 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) = 1.35 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/8/2015 9:35:39 AM

Robot#: DASY5-PG-1 | Run#: KKL-SYSP-450B-151108-01
 Dipole Model#: D450V3
 Phantom#: ELI5 1150
 Tissue Temp: 21.4 (C)
 Serial#: 1053
 Test Freq: 450.000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.045 dB
 Adjusted SAR (1W): 4.80 mW/g (1g)

Comments:

Duty Cycle: 1:1. Medium parameters used: $f = 450$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122. Frequency: 450 MHz. ConvF(6.78, 6.78, 6.78); Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488. Calibrated: 7/14/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x181x1):

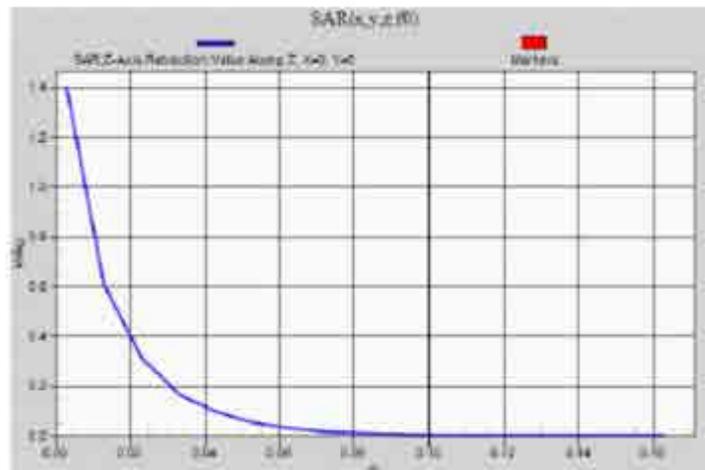
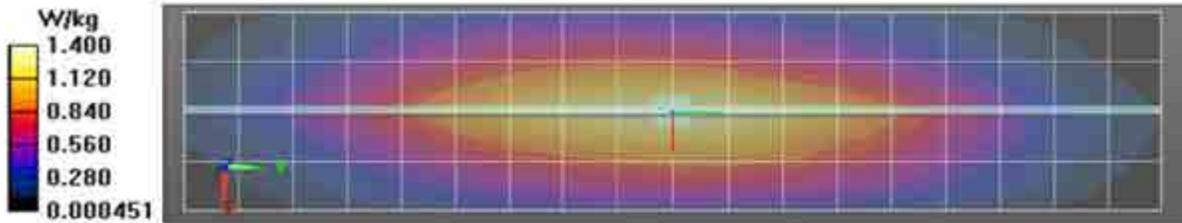
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 38.32 V/m; Power Drift = 0.08 dB
 Fast SAR: SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.847 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.38 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 38.32 V/m; Power Drift = 0.08 dB
 Peak SAR (extrapolated) = 2.00 W/kg
 SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.788 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.39 W/kg

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

Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 1.40 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/9/2015 8:03:48 AM

Robot#: DASY5-PG-1 | Run#: TLC-SYSP-450B-151109-01
 Dipole Model#: D450V3
 Phantom#: ELI5 1150
 Tissue Temp: 21.1 (C)
 Serial#: 1053
 Test Freq: 450,000 (MHz)
 Start Power: 250 (mW)
 Rotation (ID): 0.086 dB
 Adjusted SAR (1W): 4.64 mW/g (1g)

Comments

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Frequency: 450 MHz, ConvF(6.78, 6.78, 6.78); Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x181x1):

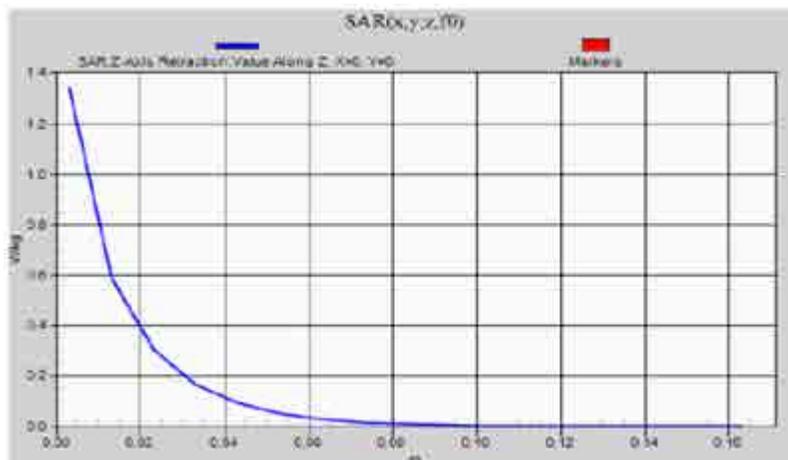
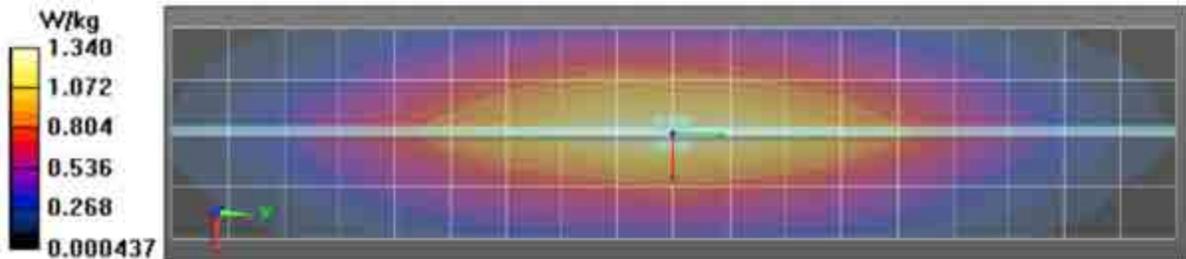
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 38.40 V/m; Power Drift = 0.04 dB
 Fast SAR: SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.820 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.35 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 38.40 V/m; Power Drift = 0.04 dB
 Peak SAR (extrapolated) = 1.95 W/kg
 SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.760 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.36 W/kg

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

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



Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/10/2015 9:22:07 AM

Robot#: DASY5-PG-1 | Run#: FIE-SYSP-450B-151110-10
 Dipole Model#: D450V3
 Phantom#: ELI5 1150
 Tissue Temp: 21.0 (C)
 Serial#: 1053
 Test Freq: 450.000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.064 dB
 Adjusted SAR (1W): 4.76 mW/g (1g)

Comments:

Duty Cycle: 1:1. Medium parameters used: $f = 450$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 55.7$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Frequency: 450 MHz, ConvF(6.78, 6.78, 6.78); Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x181x1):

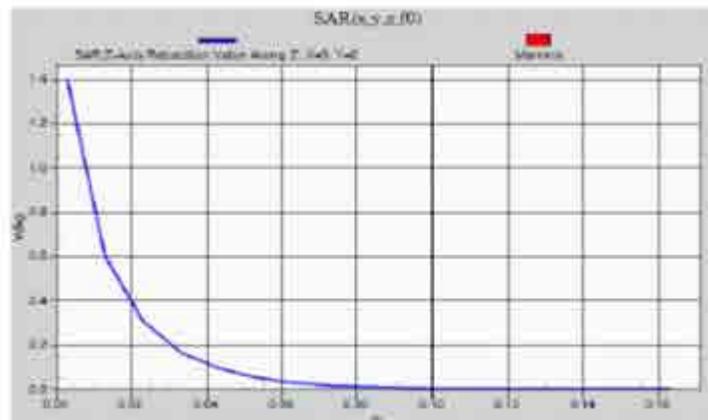
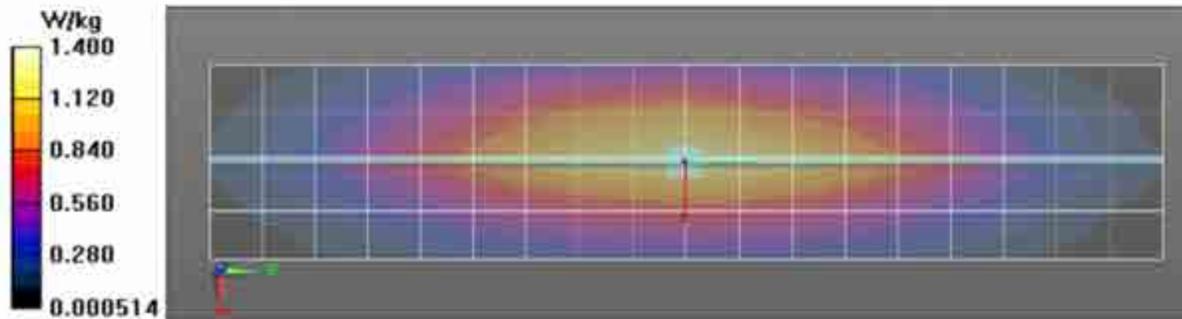
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 39.29 V/m; Power Drift = 0.05 dB
 Fast SAR: SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.847 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.39 W/kg

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 = 39.29 V/m; Power Drift = 0.05 dB
 Peak SAR (extrapolated) = 1.97 W/kg
 SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.779 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.40 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: 11/11/2015 7:40:07 AM

Robot#: DASY5-PG-1 | Run#: FIE-SYSP-450B-151111-10
 Dipole Model#: D450V3
 Phantom#: ELI5 1150
 Tissue Temp: 20.3 (C)
 Serial#: 1053
 Test Freq: 450.000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.08 dB
 Adjusted SAR (1W): 4.84 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 55.7$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Frequency: 450 MHz, ConvF(6.78, 6.78, 6.78); Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x181x1):

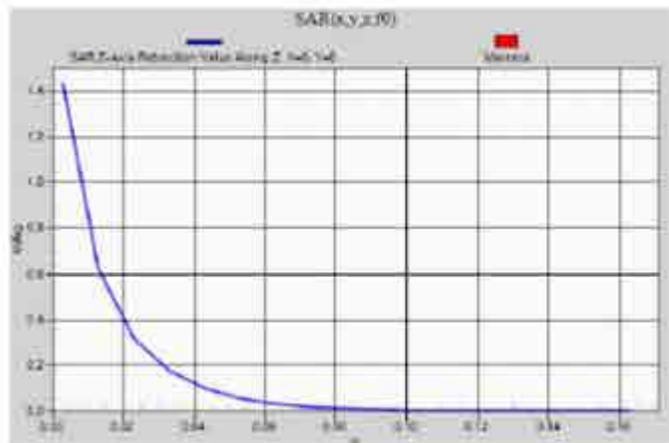
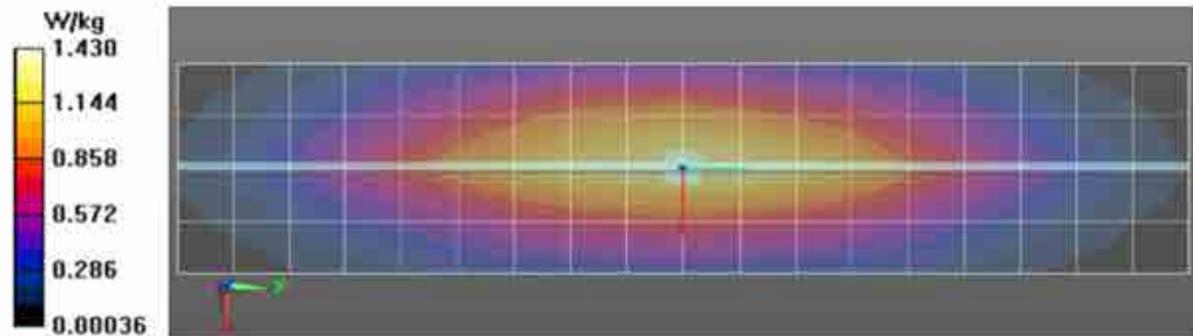
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 39.20 V/m; Power Drift = -0.01 dB
 Fast SAR: SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.865 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.41 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 39.20 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 2.00 W/kg
 SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.798 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: 11/12/2015 7:44:05 AM

Robot#: DASY5-PG-1 | Run#: FIE-SYSP-450B-151112-10
 Dipole Model#: D450V3
 Phantom#: ELI5 1150
 Tissue Temp: 20.4 (C)
 Serial#: 1053
 Test Freq: 450.000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.071 dB
 Adjusted SAR (1W): 4.76 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz, $\sigma = 0.93$ S/m, $\epsilon_r = 55.6$, $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Frequency: 450 MHz, ConvF(6.78, 6.78, 6.78), Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x181x1):

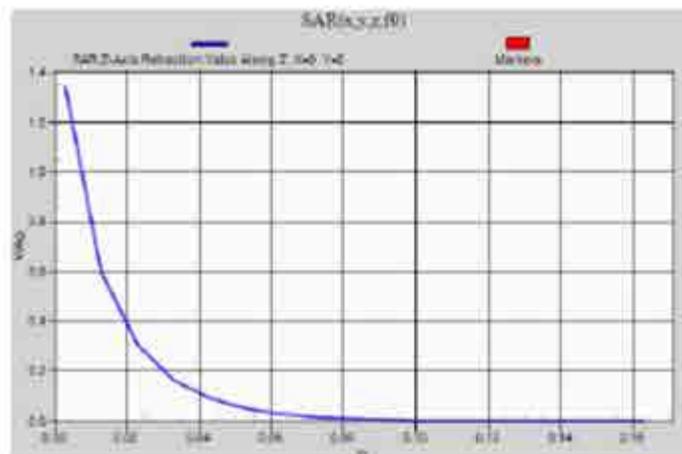
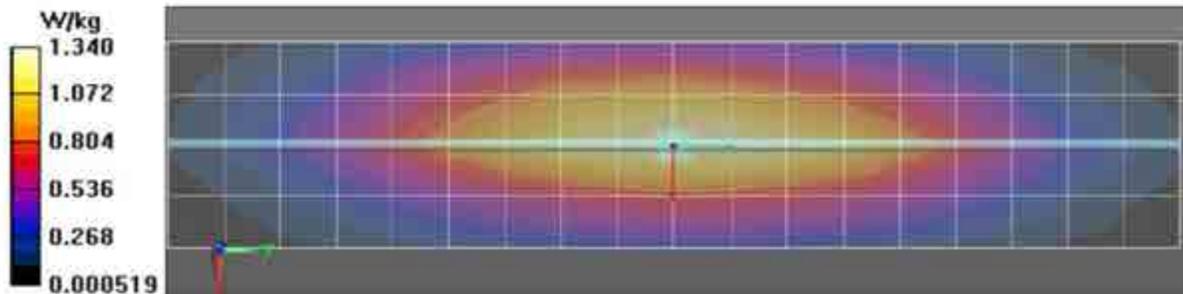
Interpolated grid: dx=1,500 mm, dy=1,500 mm
 Reference Value = 39.17 V/m: Power Drift = -0.02 dB
 Fast SAR: SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.849 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.38 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 39.17 V/m: Power Drift = -0.02 dB
 Peak SAR (extrapolated) = 1.99 W/kg
 SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.783 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.40 W/kg

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

Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 1.34 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/13/2015 7:42:57 AM

Robot#: DASY5-PG-1 | Run#: FIE-SYSP-450B-151113-11
 Dipole Model#: D450V3
 Phantom#: ELI5 1150
 Tissue Temp: 20.4 (C)
 Serial#: 1053
 Test Freq: 450.000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.081 dB
 Adjusted SAR (1W): 4.80 mW/g (1g)

Comments:

Duty Cycle: 1:1. Medium parameters used: $f = 450$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 55.9$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Frequency: 450 MHz, ConvF(6.78, 6.78, 6.78); Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x181x1):

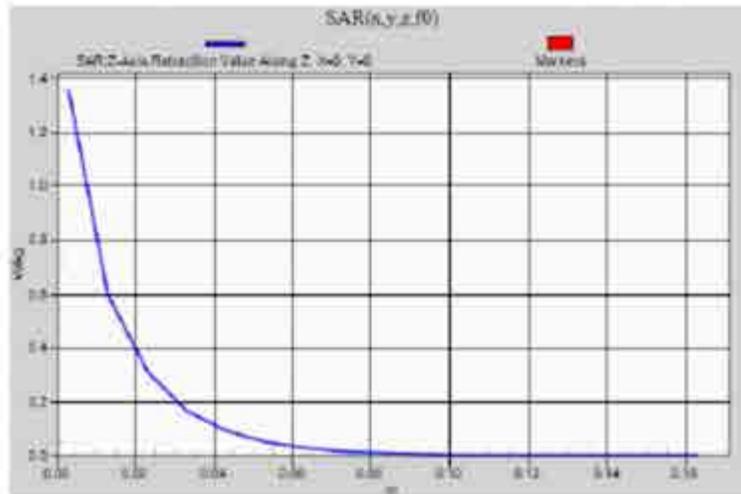
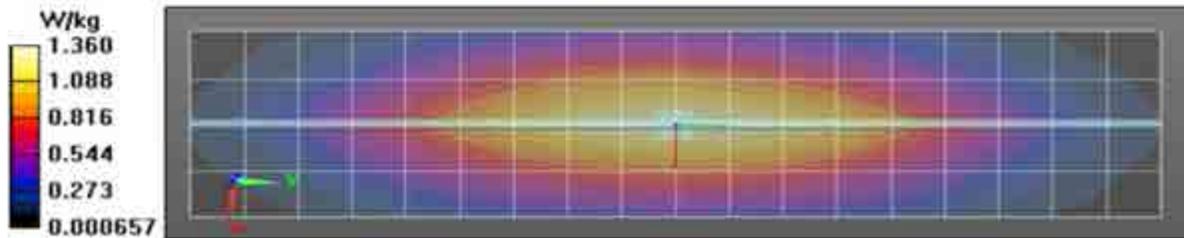
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 38.89 V/m; Power Drift = -0.06 dB
 Fast SAR: SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.847 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.39 W/kg

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 = 38.89 V/m; Power Drift = -0.06 dB
 Peak SAR (extrapolated) = 2.02 W/kg
 SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.778 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
 Maximum value of SAR (measured) = 1.36 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/15/2015 2:32:13 PM

Robot#: DASY5-PG-1 | Run#: KKL-SYSP-450B-151115-01
 Dipole Model#: D450V3
 Phantom#: ELI5 1150
 Tissue Temp: 21.1 (C)
 Serial#: 1053
 Test Freq: 450.000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.110 dB
 Adjusted SAR (1W): 4.72 mW/g (1g)

Comments:

Duty Cycle: 1:1. Medium parameters used: $f = 450$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 55.1$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122. Frequency: 450 MHz. ConvF(6.78, 6.78, 6.78); Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x181x1):

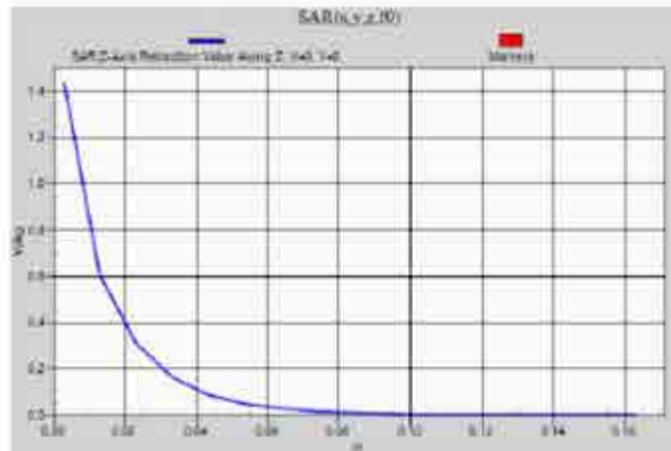
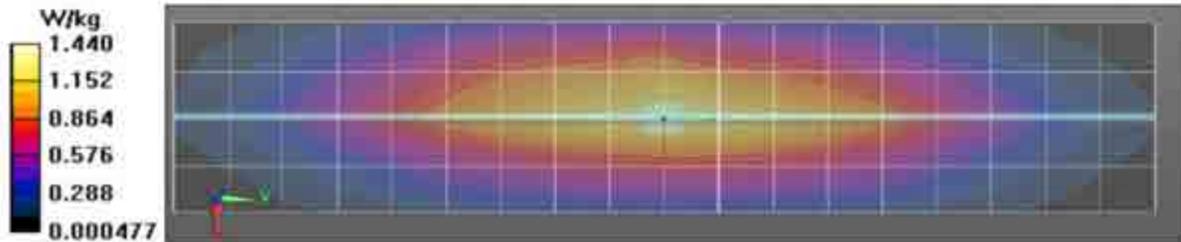
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 39.26 V/m; Power Drift = 0.09 dB
 Fast SAR: SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.855 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.40 W/kg

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 = 39.26 V/m; Power Drift = 0.09 dB
 Peak SAR (extrapolated) = 1.97 W/kg
 SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.771 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.39 W/kg

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

Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 1.44 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/16/2015 2:33:25 PM

Robot#: DASY5-PG-1 | Run#: TLC-SYSP-450B-151116-08
 Dipole Model#: D450V3
 Phantom#: ELI5 1150
 Tissue Temp: 21.0 (C)
 Serial#: 1053
 Test Freq: 450.000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.092 dB
 Adjusted SAR (1W): 4.72 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.93$ S/m; $\epsilon_t = 55.2$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Frequency: 450 MHz, ConvF(6.78, 6.78, 6.78); Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x181x1):

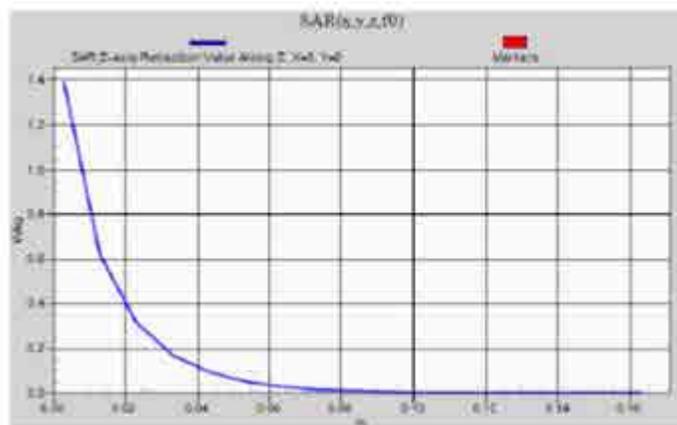
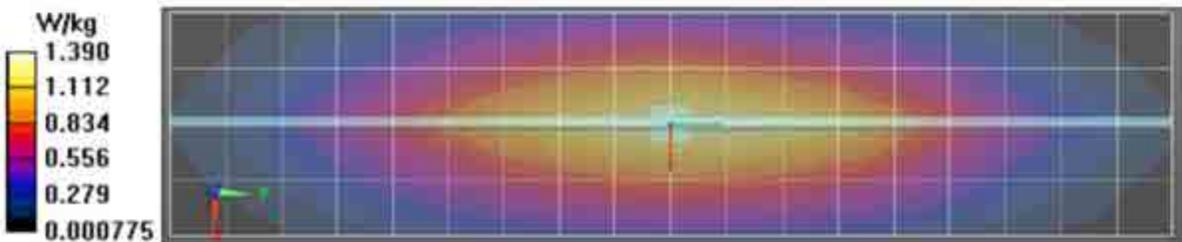
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 38.38 V/m; Power Drift = 0.01 dB
 Fast SAR: SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.845 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.38 W/kg

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 = 38.38 V/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 1.94 W/kg
 SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.779 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
 Maximum value of SAR (measured) = 1.39 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/18/2015 1:13:37 PM

Robot#: DASY5-PG-1 | Run#: TLC-SYSP-450B-151118-10
 Dipole Model#: D450V3
 Phantom#: ELI5 1150
 Tissue Temp: 21.1 (C)
 Serial#: 1053
 Test Freq: 450.000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.11 dB
 Adjusted SAR (1W): 4.72 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Frequency: 450 MHz, ConvF(6.78, 6.78, 6.78), Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x181x1):

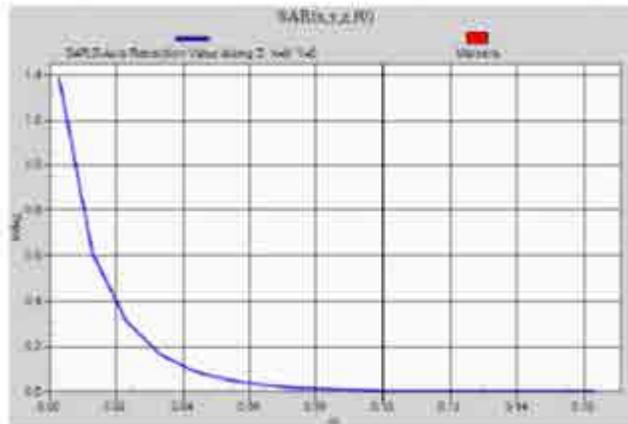
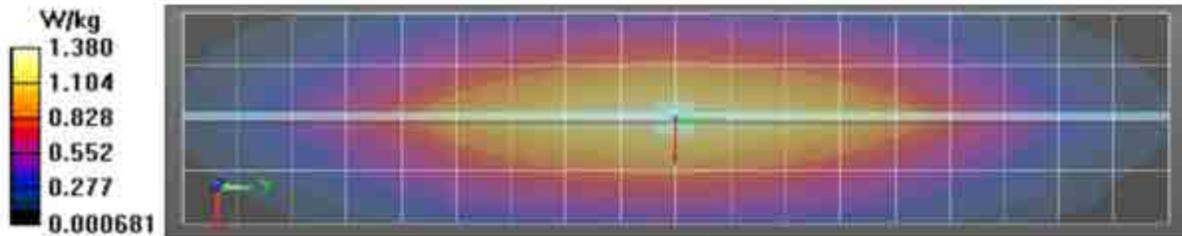
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 38.74 V/m, Power Drift = -0.01 dB
 Fast SAR: SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.847 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.38 W/kg

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 = 38.74 V/m, Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 1.91 W/kg
 SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.780 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.39 W/kg

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

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



Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/17/2015 9:46:56 AM

Robot#: DASY5-PG-1 | Run#: TLC-SYSP-450H-151117-05
 Dipole Model#: D450V3
 Phantom#: ELI4 1028
 Tissue Temp: 21.0 (C)
 Serial#: 1053
 Test Freq: 450.000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.085 dB
 Adjusted SAR (1W): 4.64 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 45$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Frequency: 450 MHz, ConvF(6.79, 6.79, 6.79): Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x181x1):

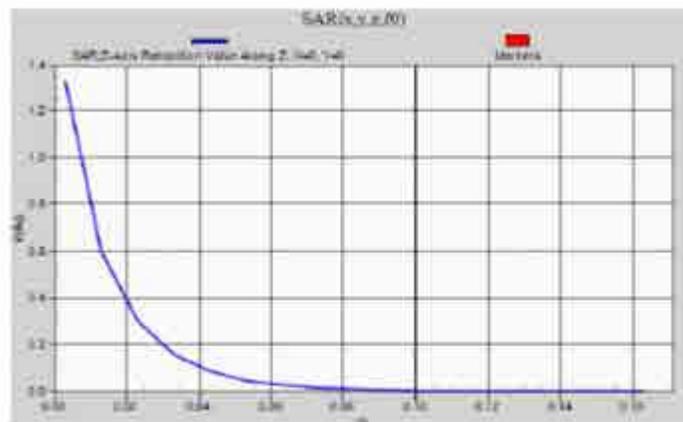
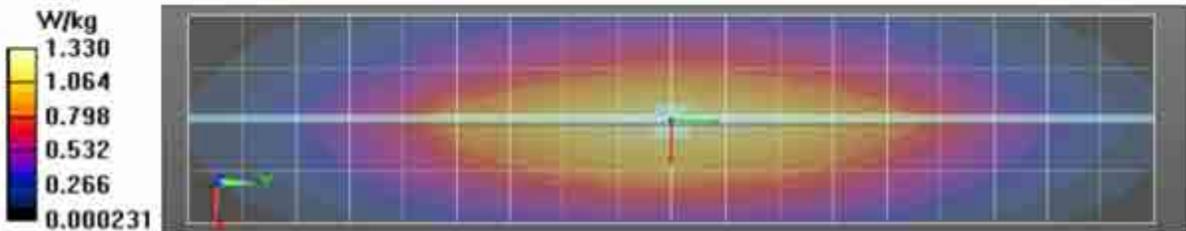
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 39.37 V/m; Power Drift = -0.04 dB
 Fast SAR: SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.813 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.32 W/kg

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 = 39.37 V/m; Power Drift = -0.04 dB
 Peak SAR (extrapolated) = 1.85 W/kg
 SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.760 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.37 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) = 1.33 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/18/2015 6:29:00 AM

Robot#: DASY5-PG-1 | Run#: FIE-SYSP-450H-151118-04
 Dipole Model# D450V3
 Phantom# ELI5 1150
 Tissue Temp: 20.7 (C)
 Serial# 1053
 Test Freq: 450.000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.083 dB
 Adjusted SAR (1W): 4.60 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.85$ S/m; $\epsilon_r = 44.3$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Frequency: 450 MHz, ConvF(6.79, 6.79, 6.79), Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x181x1):

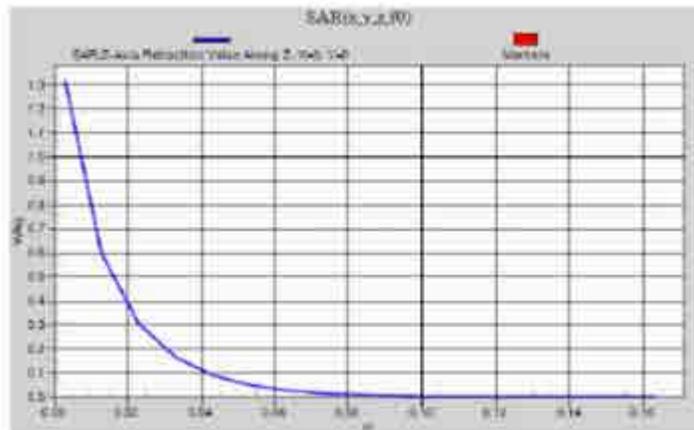
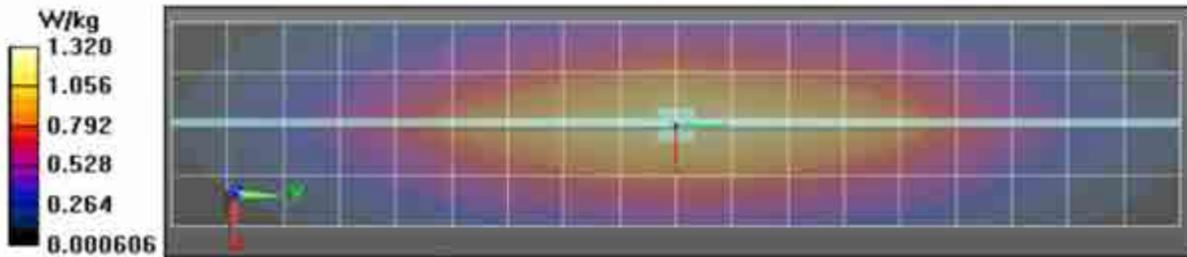
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 39.87 V/m; Power Drift = -0.02 dB
 Fast SAR: SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.812 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.31 W/kg

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 = -0.02 dB
 Peak SAR (extrapolated) = 1.76 W/kg
 SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.761 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.32 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: 11/19/2015 6:11:34 PM

Robot#: DASY5-PG-1 | Run#: MO-SYSP-450H-151119-15
 Dipole Model#: D450V3
 Phantom#: ELI4 1028
 Tissue Temp: 21.5 (C)
 Serial#: 1053
 Test Freq: 450.000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.10 dB/dB
 Adjusted SAR (1W): 4.68 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.85 \text{ S/m}$; $\epsilon_r = 44$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3122, Frequency: 450 MHz, ConvF(6.79, 6.79, 6.79); Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x181x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 40.04 V/m; Power Drift = -0.01 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) = 1.32 W/kg

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x19x1):

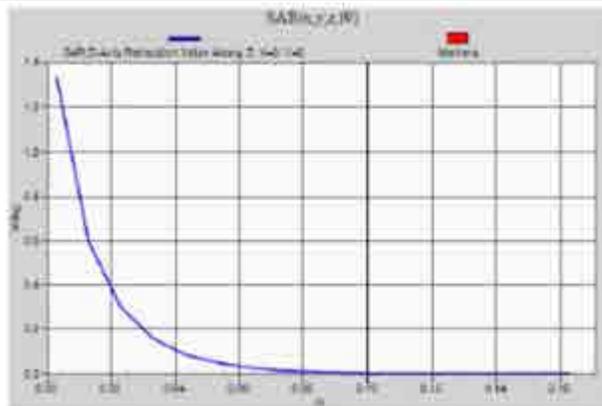
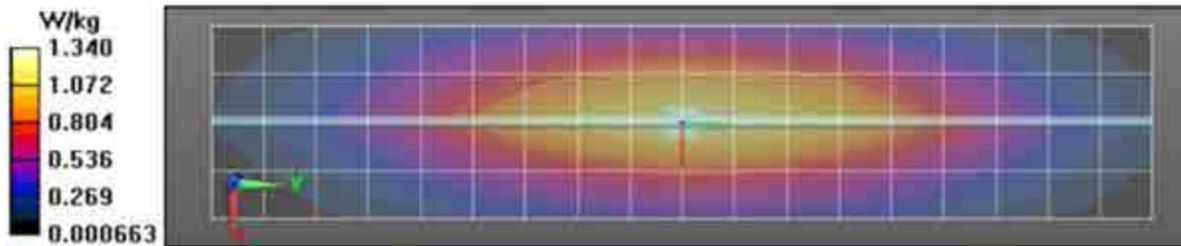
Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 1.31 W/kg

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 = 40.04 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 1.83 W/kg
 SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.770 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 1.34 W/kg

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: 11/13/2015 1:23:38 PM

Robot#: DASY5-PG-02 | Run#: KKL-SYSP-2450B-151113-11
 Dipole Model# D2450V2
 Phantom# ELI4 1028
 Tissue Temp: 20.9 (C)
 Serial#: 781
 Test Freq: 2450.000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.092 dB
 Adjusted SAR (1W): 51.20 mW/g (1g)

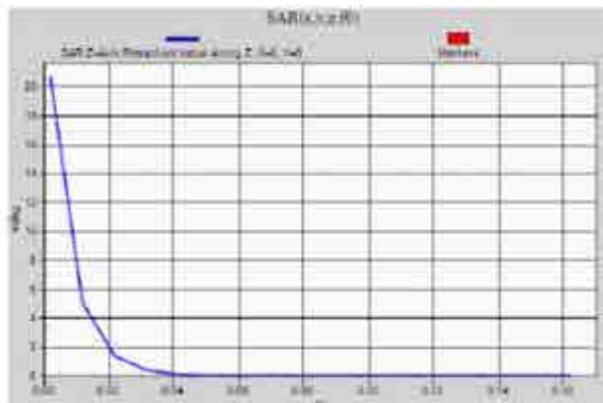
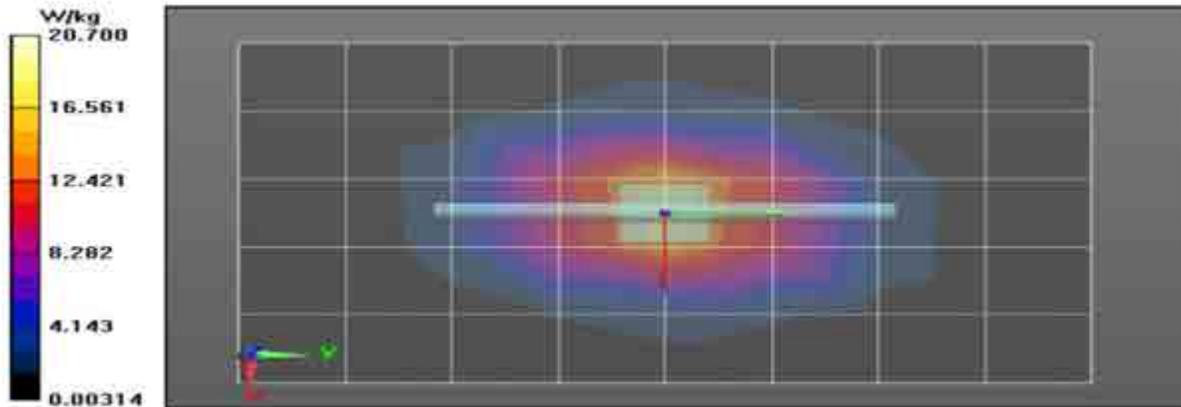
Comments:

Duty Cycle: 1:1. Medium parameters used: $f = 2450$ MHz; $\sigma = 2.04$ S/m; $\epsilon_r = 47.7$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Frequency: 2450 MHz, ConvF(7.33, 7.33, 7.33); Calibrated: 6/23/2015
 Electronics: DAE4 Sn1483, Calibrated: 6/16/2015

2-3 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (51x81x1): Interpolated grid:
 dx=1.200 mm, dy=1.200 mm
 Reference Value = 102.4 V/m; Power Drift = 0.01 dB
 Fast SAR: SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.23 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 21.4 W/kg

2-3 GHz-Rev.2/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 102.4 V/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 27.8 W/kg
 SAR(1 g) = 12.8 W/kg; SAR(10 g) = 6 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 20.6 W/kg

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



Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/16/2015 9:50:43 AM

Robot#: DASY5-PG-02 | Run#: KKL-SYSP-2450B-151116-01
 Dipole Model#: D2450V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.2 (C)
 Serial#: 781
 Test Freq: 2450.000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.099dB
 Adjusted SAR (1W): 49.60 mW/kg (1g)

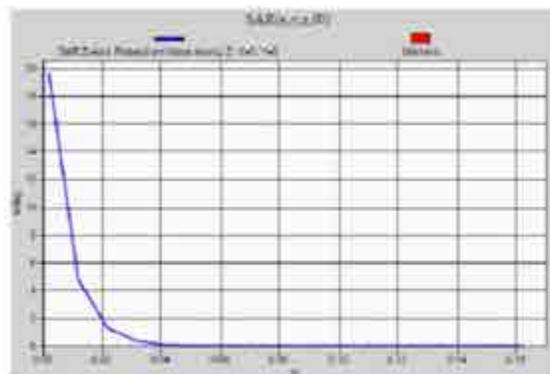
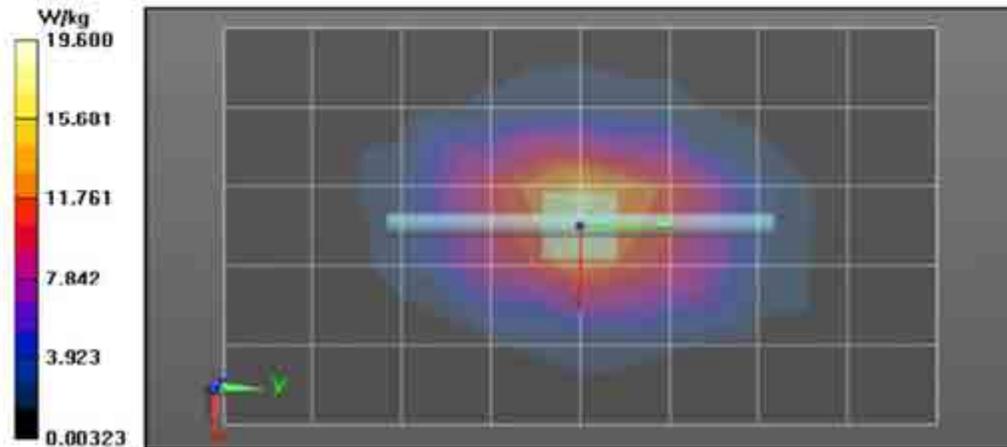
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 2450$ MHz, $\sigma = 1.97$ S/m, $\epsilon_r = 47.5$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Frequency: 2450 MHz, ConvF(7.33, 7.33, 7.33); Calibrated: 6/23/2015
 Electronics: DAE4 Sui483, Calibrated: 6/16/2015

2-3 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (51x81x1): Interpolated grid:
 $dx=1.200$ mm, $dy=1.200$ mm
 Reference Value = 101.9 V/m; Power Drift = -0.04 dB
 Fast SAR: SAR(1 g) = 12.9 W/kg; SAR(10 g) = 6.01 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 20.5 W/kg

2-3 GHz-Rev.2/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
 Reference Value = 101.9 V/m; Power Drift = -0.04 dB
 Peak SAR (extrapolated) = 26.3 W/kg
 SAR(1 g) = 12.4 W/kg; SAR(10 g) = 5.75 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 19.4 W/kg

2-3 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 Maximum value of SAR (measured) = 19.6 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/17/2015 12:00:14 AM

Robot#: DASY5-PG-02 | Run#: AZ(KA)-SYSP-2450H-151117-01
 Dipole Model#: D2450V2
 Phantom#: ELI5 1147
 Tissue Temp: 20.5 (C)
 Serial#: 781
 Test Freq: 2450.000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.09 dB
 Adjusted SAR (1W): 53.20 mW/g (1g)

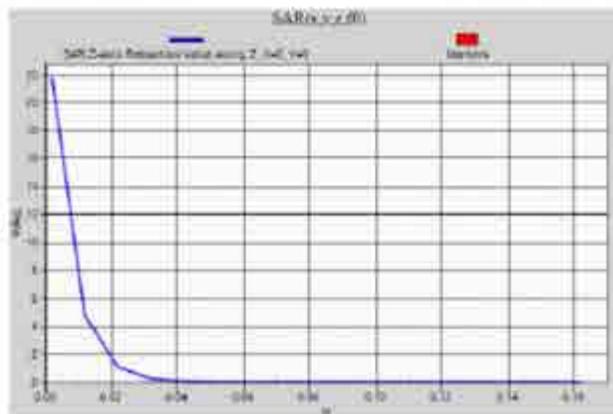
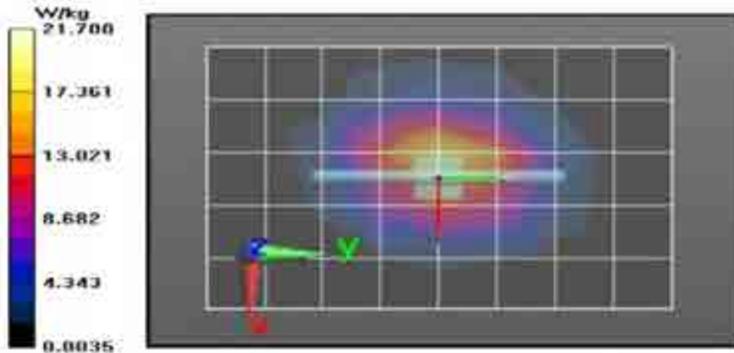
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ S/m; $\epsilon_r = 35.4$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Frequency: 2450 MHz, ConvF(7.18, 7.18), Calibrated: 6/23/2015
 Electronics: DAE4 Sn1483, Calibrated: 6/16/2015

2-3 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (51x81x1): Interpolated grid:
 dx=1.200 mm, dy=1.200 mm
 Reference Value = 109.1 V/m; Power Drift = -0.03 dB
 Fast SAR: SAR(1 g) = 14.1 W/kg; SAR(10 g) = 6.67 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 22.2 W/kg

2-3 GHz-Rev.2/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement grid:
 dx=5mm, dy=5mm, dz=5mm
 Reference Value = 109.1 V/m; Power Drift = -0.03 dB
 Peak SAR (extrapolated) = 29.9 W/kg
 SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.15 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 21.5 W/kg

2-3 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:
 dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 21.7 W/kg



Appendix E DUT Scans

Assessments at the Body with Body Worn HLN6602A Table 18

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/8/2015 5:14:35 PM

Robot#: DASY5-PG-1 | Run#: TLC-AB-151108-12
Model#: PMUE3838B
Phantom#: ELIS 1150
Tissue Temp: 20.7 (C)
Serial#: 446TRT7269
Antenna: PMAE4071A
Test Freq: 470.000 (MHz)
Battery: PMNN4415A
Carry Acc: HLN6602A
Audio Acc: PMLN5727A
Start Power: 4.77(W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 470$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³
Probe: ES3DV3 - SN3122, Frequency: 470 MHz, ConvF(6.78, 6.78, 6.78); Calibrated: 6/19/2015
Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/Ab scan/1-Area Scan (71x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

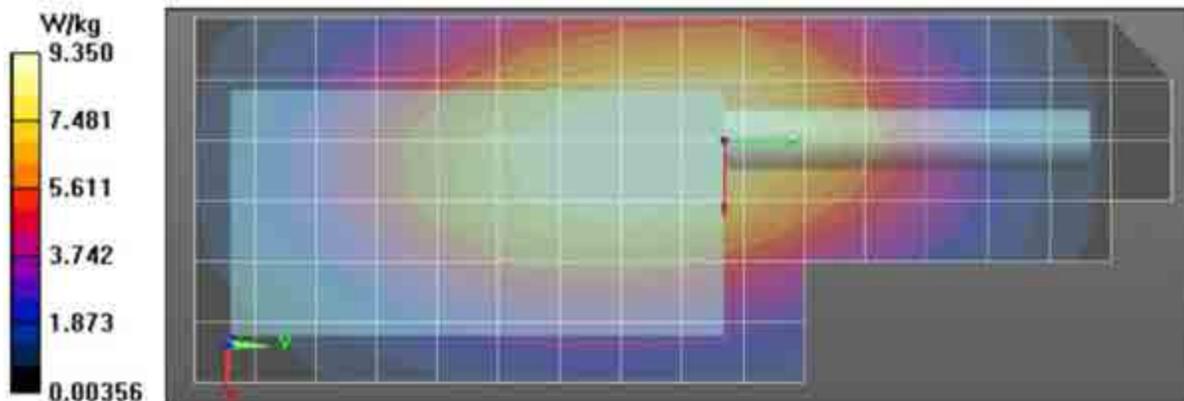
Reference Value = 106.3 V/m; Power Drift = -0.38 dB
Fast SAR: SAR(1 g) = 8.96 W/kg; SAR(10 g) = 6.51 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 10.1 W/kg

Below 2 GHz-Rev.2/Ab scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 106.3 V/m; Power Drift = -0.64 dB
Peak SAR (extrapolated) = 12.6 W/kg
SAR(1 g) = 8.74 W/kg; SAR(10 g) = 6.38 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.84 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) = 9.35 W/kg



Assessments at the Body with Body Worn RLN4570A
Table 19

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/9/2015 9:08:10 PM

Robot#: DASY5-PG-1 | Run#: FIE-AB-151109-22
 Model#: PMUE3838B
 Phantom#: ELI5 1150
 Tissue Temp: 20.8 (C)
 Serial#: 446TRT7269
 Antenna: PMAE4070A
 Test Freq: 459.100 (MHz)
 Battery: PMNN4417BR
 Carry Acc: RLN4570A
 Audio Acc: PMLN5727A
 Start Power: 4.80 (W)

Comments:

Duty Cycle: 1:1. Medium parameters used: $f = 459$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Frequency: 459.1 MHz, ConvF(6.78, 6.78, 6.78); Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/Ab scan/1-Area Scan (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

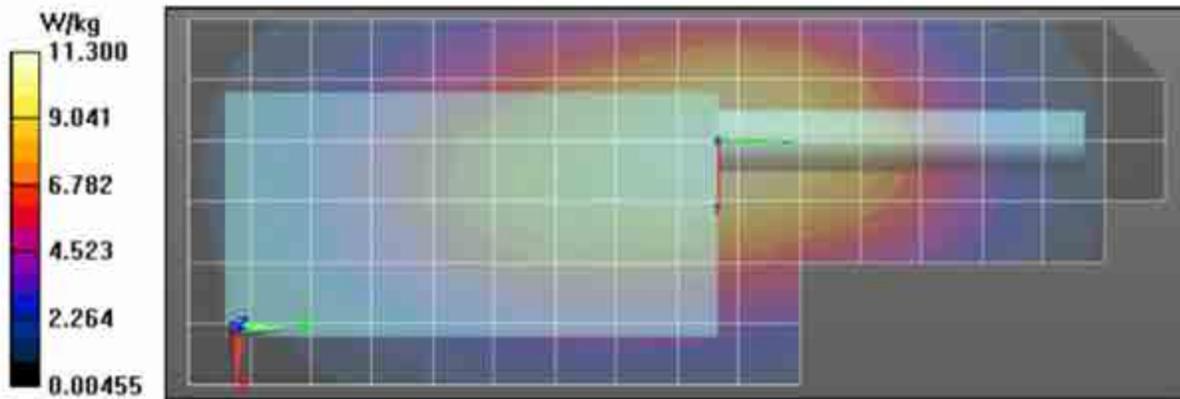
Reference Value = 107.5 V/m; Power Drift = -0.41 dB
 Fast SAR: SAR(1 g) = 10.6 W/kg; SAR(10 g) = 7.63 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 11.9 W/kg

Below 2 GHz-Rev.2/Ab scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 107.5 V/m; Power Drift = -0.57 dB
 Peak SAR (extrapolated) = 14.9 W/kg
 SAR(1 g) = 10 W/kg; SAR(10 g) = 7.23 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 11.4 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) = 11.3 W/kg



Assessments at the Body with Body Worn RLN4815A
Table 20

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/10/2015 5:48:59 PM

Robot#: DASY5-PG-1 | Run#: TLC-AB-151110-23
 Model#: PMUE3838B
 Phantom#: ELI5 1150
 Tissue Temp: 20.7 (C)
 Serial#: 446TRT7269
 Antenna: PMAE4070A
 Test Freq: 470.000 (MHz)
 Battery: PMNN4491A
 Carry Acc: RLN4815A
 Audio Acc: PMLN5727A
 Start Power: 4.80(W)

Comments:

Duty Cycle: 1:1. Medium parameters used; $f = 470$ MHz; $\sigma = 0.95$ S/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, . Frequency: 470 MHz, ConvF(6.78, 6.78, 6.78); Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/Ab scan/1-Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

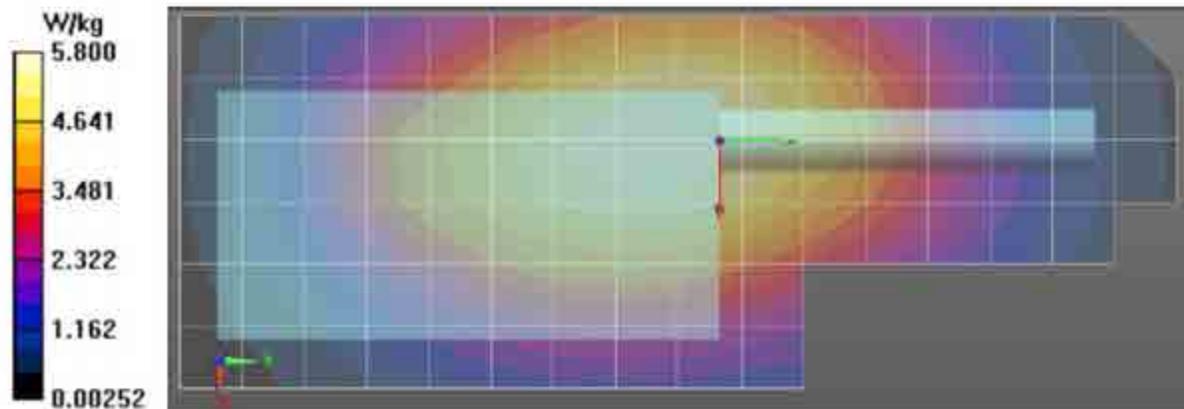
Reference Value = 79.85 V/m; Power Drift = -0.35 dB
 Fast SAR: SAR(1 g) = 5.29 W/kg; SAR(10 g) = 3.88 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 5.90 W/kg

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 = 79.85 V/m; Power Drift = -0.45 dB
 Peak SAR (extrapolated) = 7.25 W/kg
 SAR(1 g) = 5.12 W/kg; SAR(10 g) = 3.83 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 5.69 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) = 5.80 W/kg



Assessments at the Body with Body Worn PMLN4651A
Table 21

Motorola Solutions, Inc. EME Laboratory
 Date/Time: 11/13/2015 5:44:02 AM

Robot#: DASY5-PG-1 | Run#: FIE-AB-151113-09
 Model#: PMUE3838B
 Phantom#: ELI5 1150
 Tissue Temp: 20.5 (C)
 Serial#: 446TRT7269
 Antenna: PMAE4071A
 Test Freq: 470.000 (MHz)
 Battery: PMNN4491A
 Carry Acc: PMLN4651A
 Audio Acc: PMLN5727A
 Start Power: 4.80 (W)

Comments:

Duty Cycle: 1:1. Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.94 \text{ S/m}$; $\epsilon_r = 55.3$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3122, Frequency: 470 MHz, ConvF(6.78, 6.78, 6.78); Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

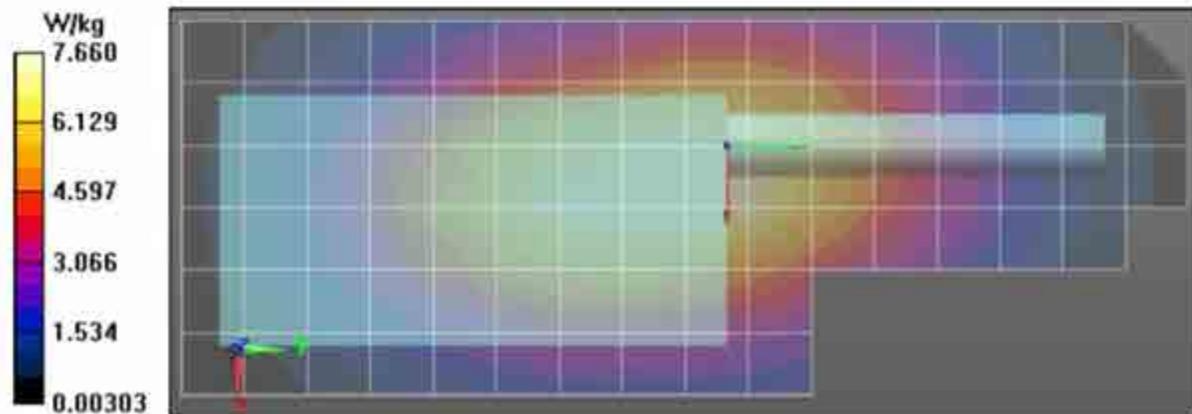
Below 2 GHz-Rev.2/Ab scan/1-Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 90.30 V/m; Power Drift = -0.40 dB
 Fast SAR: SAR(1 g) = 7.1 W/kg; SAR(10 g) = 5.13 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 7.95 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 = 90.30 V/m; Power Drift = -0.49 dB
 Peak SAR (extrapolated) = 10.1 W/kg
 SAR(1 g) = 6.81 W/kg; SAR(10 g) = 4.89 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 7.74 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 PMLN7008A
Table 22

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/14/2015 12:43:47 AM

Robot#: DASY5-PG-1 | Run#: FIE-AB-151114-02
 Model#: PMUE3838B
 Phantom#: ELI5 1150
 Tissue Temp: 20.8 (C)
 Serial#: 446TRT7269
 Antenna: PMAE4071A
 Test Freq: 470.000 (MHz)
 Battery: PMNN4407BR
 Carry Acc: PMLN7008A
 Audio Acc: PMLN5727A
 Start Power: 4.80 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used; $f = 470$ MHz; $\sigma = 0.95$ S/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Frequency: 470 MHz, ConvF(6.78, 6.78, 6.78), Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/Ab scan/1-Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

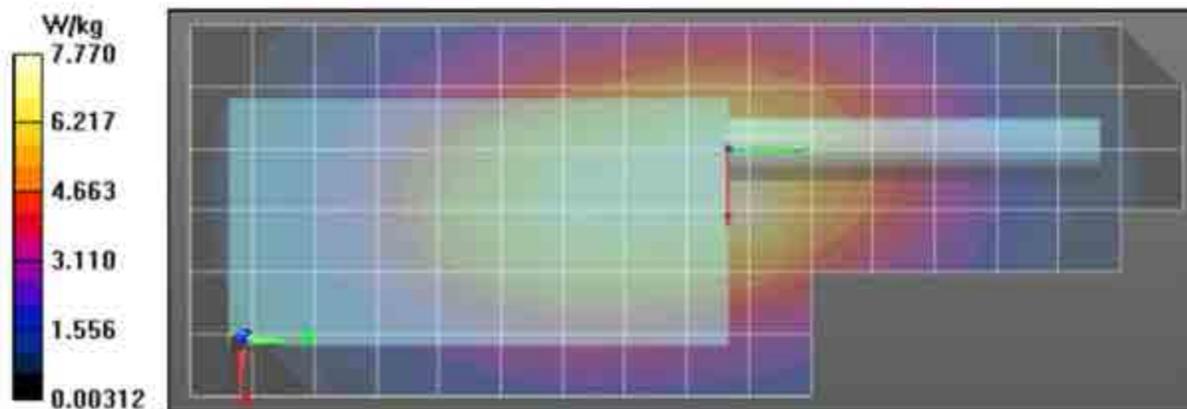
Reference Value = 90.04 V/m, Power Drift = -0.44 dB
 Fast SAR: SAR(1 g) = 7.23 W/kg; SAR(10 g) = 5.23 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 8.16 W/kg

Below 2 GHz-Rev.2/Ab scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 90.04 V/m, Power Drift = -0.63 dB
 Peak SAR (extrapolated) = 10.4 W/kg
 SAR(1 g) = 6.88 W/kg; SAR(10 g) = 4.93 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 7.85 W/kg

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

Maximum value of SAR (measured) = 7.77 W/kg



Assessments at the Body with Body Worn PMLN7296A
Table 23

Motorola Solutions, Inc. EME Laboratory
 Date/Time: 11/15/2015 3:11:58 PM

Robot#: DASY5-PG-1 | Run#: TLC-AB-151115-02
 Model#: PMUE3838B
 Phantom#: ELI5 1150
 Tissue Temp: 20.8 (C)
 Serial#: 446TRT7269
 Antenna: PMAE4071A
 Test Freq: 470.000 (MHz)
 Battery: PMNN4488A
 Carry Acc: PMLN7296A
 Audio Acc: PMLN5727A
 Start Power: 4.78 (W)

Comments: Vibrating belt clip

Duty Cycle: 1:1, Medium parameters used: $f = 470$ MHz; $\sigma = 0.95$ S/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Frequency: 470 MHz, ConvF(6.78, 6.78, 6.78); Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/Ab scan/1-Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

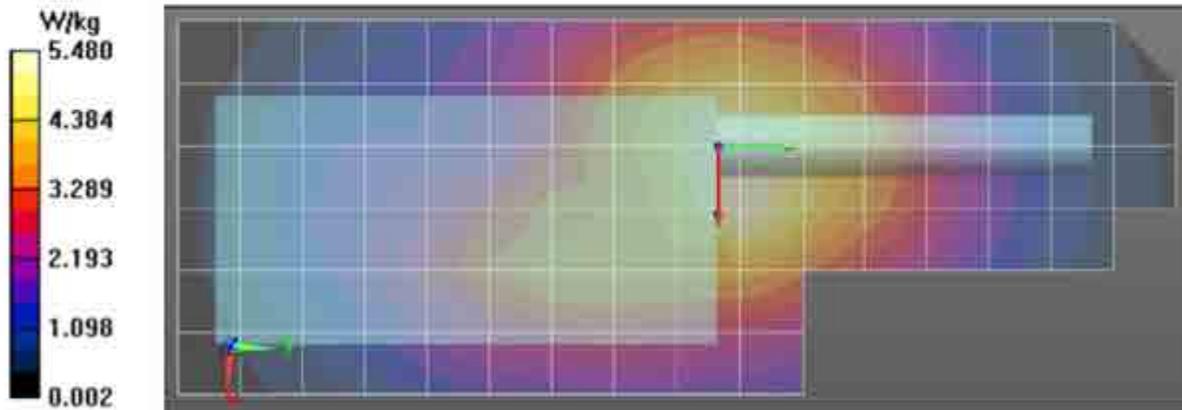
Reference Value = 67.65 V/m; Power Drift = -0.37 dB
 Fast SAR: SAR(1 g) = 5.08 W/kg; SAR(10 g) = 3.62 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 5.77 W/kg

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 = 67.65 V/m; Power Drift = -0.46 dB
 Peak SAR (extrapolated) = 7.24 W/kg
 SAR(1 g) = 4.83 W/kg; SAR(10 g) = 3.41 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 5.49 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) = 5.48 W/kg



Assessments at the Body with Body Worn PMLN5864A w/NNTN5243A
Table 24

Motorola Solutions, Inc. EME Laboratory
 Date/Time: 11/11/2015 5:16:50 AM

Robot#: DASY5-PG-1 | Run#: FIE-AB-151111-09
 Model#: PMUE3838B
 Phantom#: ELI5 1150
 Tissue Temp: 20.4 (C)
 Serial#: 446TRT7269
 Antenna: PMAE4071A
 Test Freq: 470.000 (MHz)
 Battery: PMNN4417BR
 Carry Acc: PMLN5864A w/NNTN5243A
 Audio Acc: PMLN5727A
 Start Power: 4.80 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.95 \text{ S/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3122, Frequency: 470 MHz, ConvF(6.78, 6.78, 6.78); Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

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

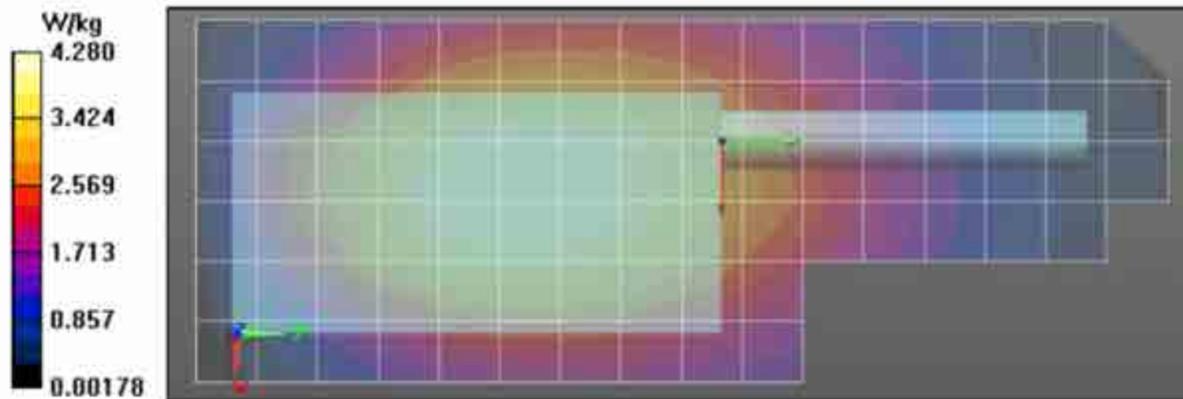
Reference Value = 66.75 V/m; Power Drift = -0.38 dB
 Fast SAR: SAR(1 g) = 4.06 W/kg; SAR(10 g) = 2.96 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 4.53 W/kg

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 = 66.75 V/m; Power Drift = -0.50 dB
 Peak SAR (extrapolated) = 5.40 W/kg
 SAR(1 g) = 3.88 W/kg; SAR(10 g) = 2.89 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 4.34 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) = 4.28 W/kg



Assessments at the Body with Body Worn PMLN5866A w/NNTN5243A
Table 25

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/12/2015 1:33:02 AM

Robot#: DASY5-PG-1 | Run#: FIE-AB-151112-03
 Model#: PMUE3838B
 Phantom#: ELI5 1150
 Tissue Temp: 21.2 (C)
 Serial#: 446TRT7269
 Antenna: PMAE4071A
 Test Freq: 470.000 (MHz)
 Battery: PMNN4491A
 Carry Acc: PMLN5866A w/NNTN5243A
 Audio Acc: PMLN5727A
 Start Power: 4.80 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 470$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Frequency: 470 MHz, ConvF(6.78, 6.78, 6.78), Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/Ab scan/1-Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

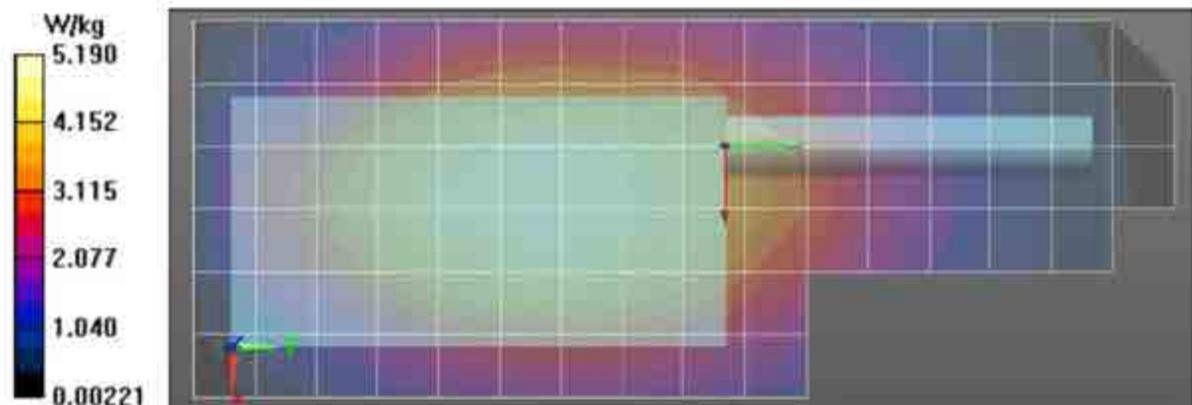
Reference Value = 74.02 V/m, Power Drift = -0.37 dB
 Fast SAR; SAR(1 g) = 4.9 W/kg; SAR(10 g) = 3.57 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 5.48 W/kg

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 = 74.02 V/m, Power Drift = -0.48 dB
 Peak SAR (extrapolated) = 6.62 W/kg
 SAR(1 g) = 4.74 W/kg; SAR(10 g) = 3.49 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 5.31 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) = 5.19 W/kg



Assessments at the Body with Body Worn PMLN5870A w/NNTN5243A
Table 26

Motorola Solutions, Inc. EME Laboratory
 Date/Time: 11/11/2015 7:51:56 PM

Robot#: DASY5-PG-1 | Run#: TLC-AB-151111-28
 Model#: PMUE3838B
 Phantom#: ELI5 1150
 Tissue Temp: 20.7 (C)
 Serial#: 446TRT7269
 Antenna: PMAE4071A
 Test Freq: 470.000 (MHz)
 Battery: PMNN4407BR
 Carry Acc: PMLN5870A w/NNTN5243A
 Audio Acc: PMLN5727A
 Start Power: 4.80 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 470$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Frequency: 470 MHz, ConvF(6.78, 6.78, 6.78); Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/Ab scan/1-Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

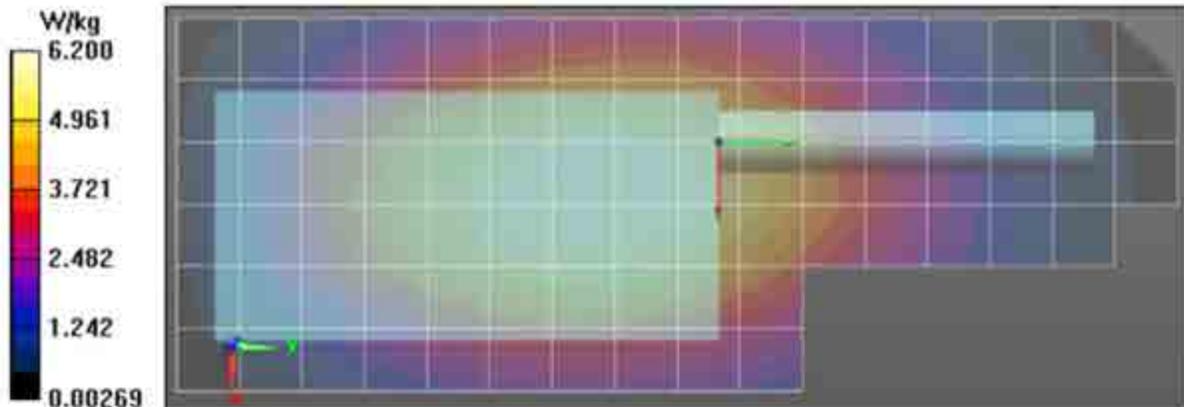
Reference Value = 83.18 V/m; Power Drift = -0.46 dB
 Fast SAR: SAR(1 g) = 5.88 W/kg; SAR(10 g) = 4.29 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 6.56 W/kg

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 = 83.18 V/m; Power Drift = -0.56 dB
 Peak SAR (extrapolated) = 7.78 W/kg
 SAR(1 g) = 5.61 W/kg; SAR(10 g) = 4.16 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 6.26 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) = 6.20 W/kg



Assessments at the Body with Body Worn PMLN5870A w/RLN6487A & RLN6488A

Table 27

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/12/2015 6:01:08 PM

Robot#: DASY5-PG-1 | Run#: TLC-AB-151112-25
 Model#: PMUE3838B
 Phantom#: ELI5 1150
 Tissue Temp: 20.7 (C)
 Serial#: 446TRT7269
 Antenna: PMAE4071A
 Test Freq: 470.000 (MHz)
 Battery: PMNN4407BR
 Carry Acc: PMLN5870A w/RLN6487A & RLN6488A
 Audio Acc: PMLN5727A
 Start Power: 4.80 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 470$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 55.3$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3122, Frequency: 470 MHz, ConvF(6.78, 6.78, 6.78), Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/Ab scan/1-Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

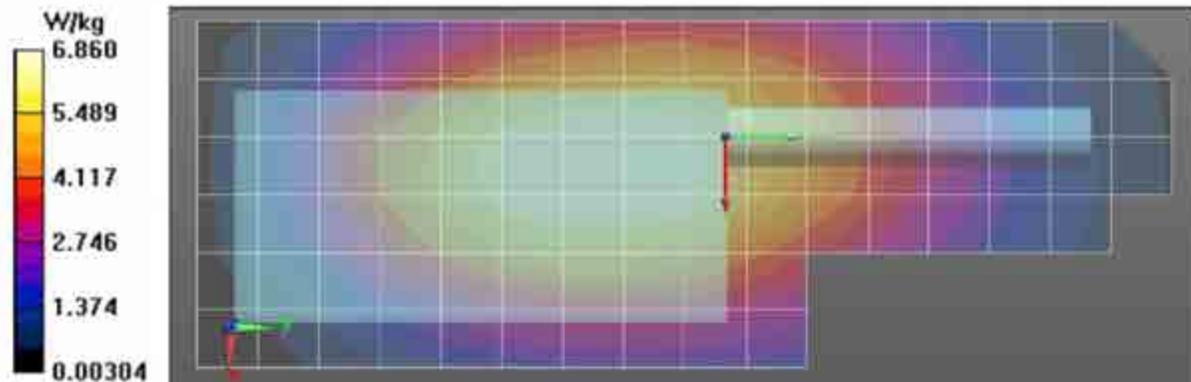
Reference Value = 89.10 V/m; Power Drift = -0.45 dB
 Fast SAR: SAR(1 g) = 6.4 W/kg; SAR(10 g) = 4.67 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 7.14 W/kg

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 = 89.10 V/m; Power Drift = -0.55 dB
 Peak SAR (extrapolated) = 8.60 W/kg
 SAR(1 g) = 6.12 W/kg; SAR(10 g) = 4.52 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 6.87 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) = 6.86 W/kg



Assessment at the Body with other audio accessories
 Table 28

Motorola Solutions, Inc. EME Laboratory
 Date/Time: 11/16/2015 12:10:03 PM

Robot#: DASY5-PG-1 | Run#: TLC-AB-151116-07
 Model#: PMUE3838B
 Phantom#: ELI5 1150
 Tissue Temp: 20.7 (C)
 Serial#: 446TRT7269
 Antenna: PMAE4070A
 Test Freq: 459.100 (MHz)
 Battery: PMNN4417BR
 Carry Acc: RLN4570A
 Audio Acc: PMLN6760A
 Start Power: 4.79 (W)

Comments:

Duty Cycle: 1:1. Medium parameters used: $f = 459 \text{ MHz}$; $\sigma = 0.94 \text{ S/m}$; $\epsilon_r = 55$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3122, Frequency: 459.1 MHz, ConvF(6.78, 6.78, 6.78); Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

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

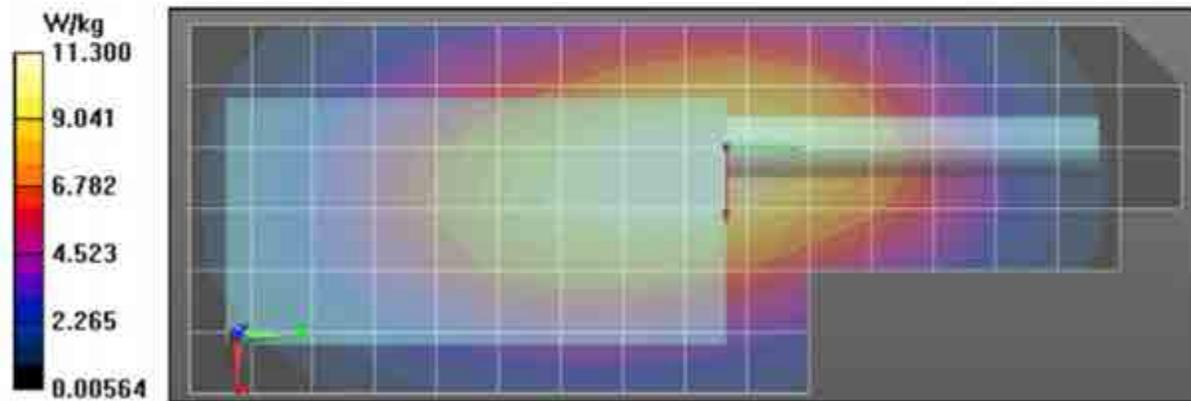
Reference Value = 111.5 V/m; Power Drift = -0.40 dB
 Fast SAR: SAR(1 g) = 10.7 W/kg; SAR(10 g) = 7.72 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 12.0 W/kg

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 = 111.5 V/m; Power Drift = -0.52 dB
 Peak SAR (extrapolated) = 15.1 W/kg
 SAR(1 g) = 10.2 W/kg; SAR(10 g) = 7.29 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 11.6 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) = 11.3 W/kg



Assessment of wireless BT configuration Table 29

Motorola Solutions, Inc. EME Laboratory Date/Time: 11/16/2015 3:59:25 PM

Robot#: DASY5-PG-1 | Run#: TLC-AB-151116-10
 Model#: PMUE3838B
 Phantom#: ELI5 1150
 Tissue Temp: 20.7 (C)
 Serial#: 446TRT7269
 Antenna: PMAE4070A
 Test Freq: 459.100 (MHz)
 Battery: PMNN4417BR
 Carry Acc: RLN4570A
 Audio Acc: None
 Start Power: 4.80 (W)

Comments:

Duty Cycle: 1:1. Medium parameters used: $f = 459 \text{ MHz}$; $\sigma = 0.94 \text{ S/m}$; $\epsilon_r = 55.1$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3122, Frequency: 459.1 MHz, ConvF(6.78, 6.78, 6.78); Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

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

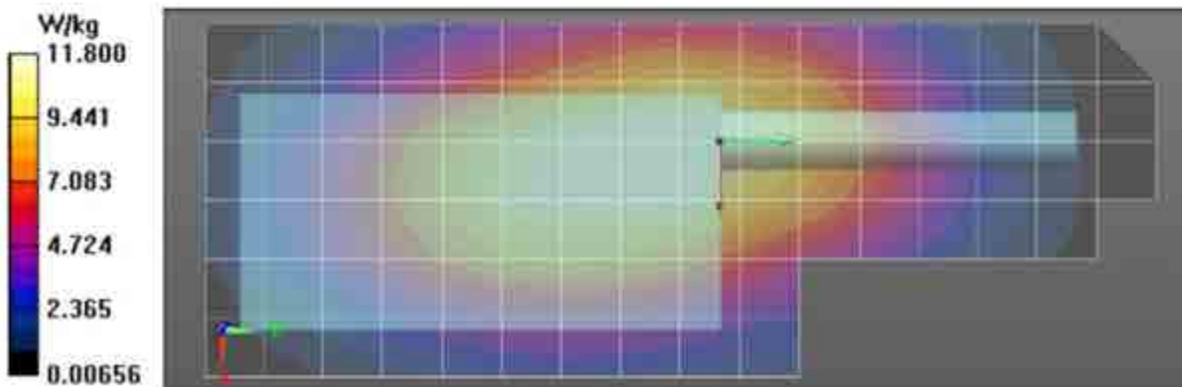
Reference Value = 117.8 V/m; Power Drift = -0.45 dB
 Fast SAR: SAR(1 g) = 11.4 W/kg; SAR(10 g) = 8.26 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 12.7 W/kg

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 = 117.8 V/m; Power Drift = -0.65 dB
 Peak SAR (extrapolated) = 15.2 W/kg
 SAR(1 g) = 10.7 W/kg; SAR(10 g) = 7.78 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 12.0 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) = 11.8 W/kg



Assessment at the Body for WLAN 802.11 b/g/n
Table 31

Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/16/2015 7:47:44 PM

Robot#: DASY5-PG-02 | Run#: KKL-AB-151116-08
 Model#: PMUE3836B
 Phantom#: ELI4 1028
 Tissue Temp: 20.5 (C)
 Serial#: 867TRT4943
 Antenna: 85012026001 WiFi Ant
 Test Freq: 2412.000 (MHz)
 Battery: PMNN4491A
 Carry Acc: PMLN7008A
 Audio Acc: None
 Start Power: 0.0542 (W)

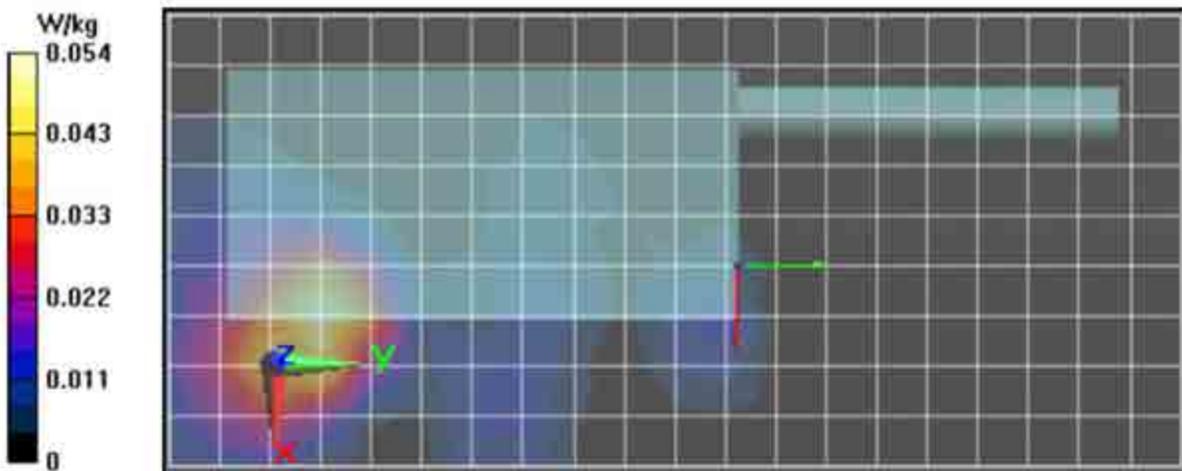
Comments:

Duty Cycle: 1:1.53815. Medium parameters used: $f = 2412$ MHz; $\sigma = 1.93$ S/m; $\epsilon_r = 47.6$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364. Frequency: 2412 MHz, ConvF(7.33, 7.33, 7.33); Calibrated: 6/23/2015
 Electronics: DAE4 Sn1483, Calibrated: 6/16/2015

2-3 GHz-Rev.2/Ab Scan/1-Area Scan (91x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
 Reference Value = 3.854 V/m; Power Drift = -0.22 dB
 Fast SAR: SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.021 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 0.0564 W/kg

2-3 GHz-Rev.2/Ab Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 3.854 V/m; Power Drift = -0.26 dB
 Peak SAR (extrapolated) = 0.0700 W/kg
 SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.021 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 0.0554 W/kg

2-3 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 0.0543 W/kg



Assessment at the Face
Table 33

Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/19/2015 7:17:07 PM

Robot#: DASY5-PG-1 | Run#: KKL-FACE-151119-16
Model#: PMUE3836B
Phantom#: ELI4 1028
Tissue Temp: 21.5 (C)
Serial#: 867TRT4943
Antenna: PMAE4071A
Test Freq: 470.000 (MHz)
Battery: PMNN4491A
Carry Acc: None
Audio Acc: None
Start Power: 4.80 (W)

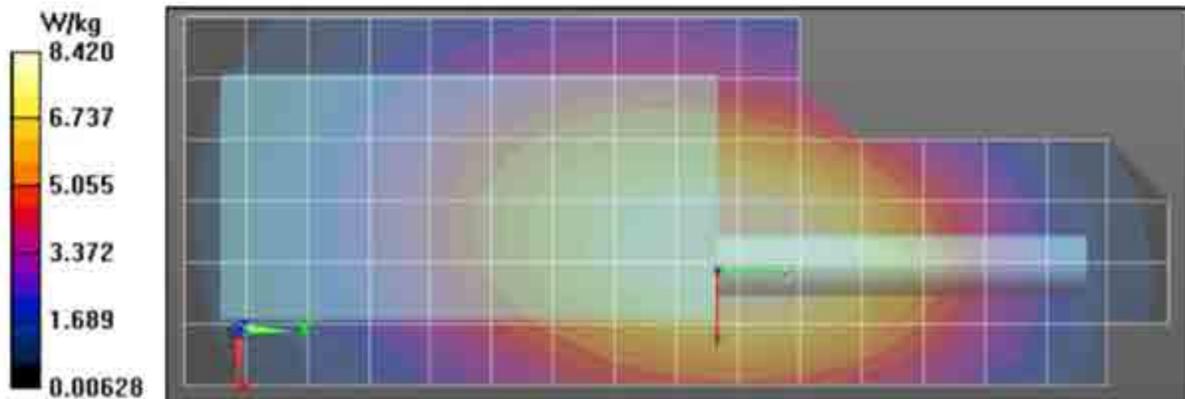
Comments:

Duty Cycle: 1:1. Medium parameters used: $f = 470$ MHz; $\sigma = 0.87$ S/m; $\epsilon_r = 43.6$; $\rho = 1000$ kg/m³.
Probe: ES3DV3 - SN3122. Frequency: 470 MHz. ConvF(6.79, 6.79, 6.79); Calibrated: 6/19/2015
Electronics: DAE4 Sn1488. Calibrated: 7/14/2015

Below 2 GHz-Rev.2/Face scan/1-Area Scan (71x161x1): Interpolated grid; dx=1.500 mm, dy=1.500 mm
Reference Value = 97.52 V/m; Power Drift = -0.36 dB
Fast SAR: SAR(1 g) = 8.13 W/kg; SAR(10 g) = 5.91 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 9.11 W/kg

Below 2 GHz-Rev.2/Face scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid; dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 97.52 V/m; Power Drift = -0.50 dB
Peak SAR (extrapolated) = 10.8 W/kg
SAR(1 g) = 7.64 W/kg; SAR(10 g) = 5.58 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.56 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) = 8.42 W/kg



Assessment at the Face for WLAN 802.11 b/g/n
Table 35

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/17/2015 7:40:12 AM

Robot#: DASY5-PG-2 | Run#: AZ(KA)-FACE-151117-08
 Model#: PMUE3838B
 Phantom#: ELI5 1147
 Tissue Temp: 20.6 (C)
 Serial#: 446TRT7258
 Antenna: 85012026001 WiFi Ant
 Test Freq: 2412.000 (MHz)
 Battery: PMNN4491A
 Carry Acc: None
 Audio Acc: None
 Start Power: 0.0542 (W)

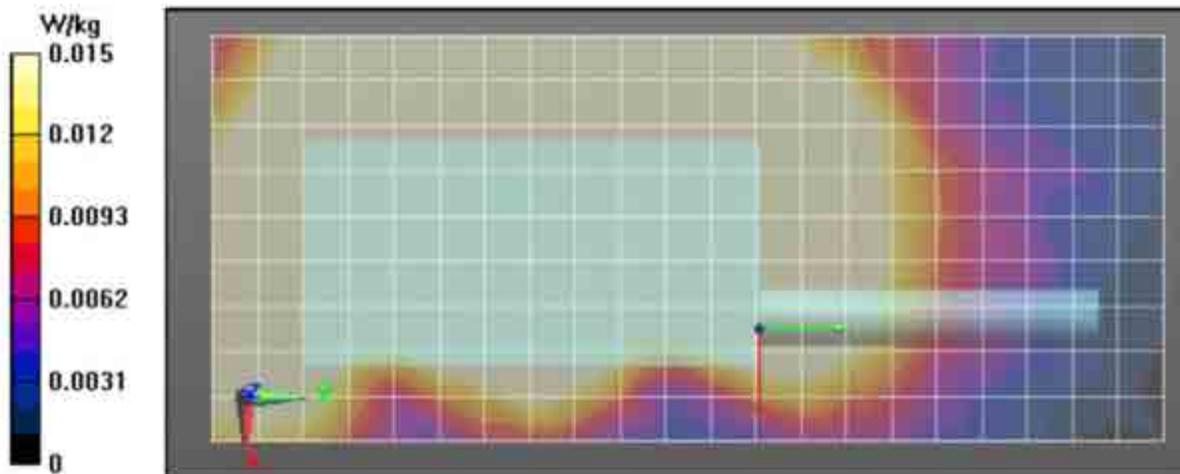
Comments:

Duty Cycle: 1:1.53815, Medium parameters used: $f = 2412$ MHz; $\sigma = 1.83$ S/m; $\epsilon_r = 35.5$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7364, Frequency: 2412 MHz, ConvF(7.18, 7.18, 7.18); Calibrated: 6/23/2015
 Electronics: DAE4 Sn1483, Calibrated: 6/16/2015

2-3 GHz-Rev.2/Face Scan/1-Area Scan (91x211x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
 Reference Value = 6.074 V/m; Power Drift = -0.22 dB
 Fast SAR: SAR(1 g) = 0.052 W/kg; SAR(10 g) = 0.031 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 0.0711 W/kg

2-3 GHz-Rev.2/Face Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 6.074 V/m; Power Drift = -0.04 dB
 Peak SAR (extrapolated) = 0.151 W/kg
 SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.016 W/kg (SAR corrected for target medium)

2-3 GHz-Rev.2/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 0.0155 W/kg



Assessments at the Body for Outside Part 90 Table 36

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/16/2015 7:06:50 PM

Robot#: DASY5-PG-1 | Run#: TLC-AB-151116-14
 Model#: PMUE3838B
 Phantom#: ELI5 1150
 Tissue Temp: 20.8 (C)
 Serial#: 446TRT7269
 Antenna: PMAE4079A
 Test Freq: 519.500(MHz)
 Battery: PMNN4417BR
 Carry Acc: RLN4570A
 Audio Acc: None
 Start Power: 4.77 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 520 \text{ MHz}$; $\sigma = 0.99 \text{ S/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3122, Frequency: 519.5 MHz, ConvF(6.78, 6.78, 6.78); Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/Ab scan/1-Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

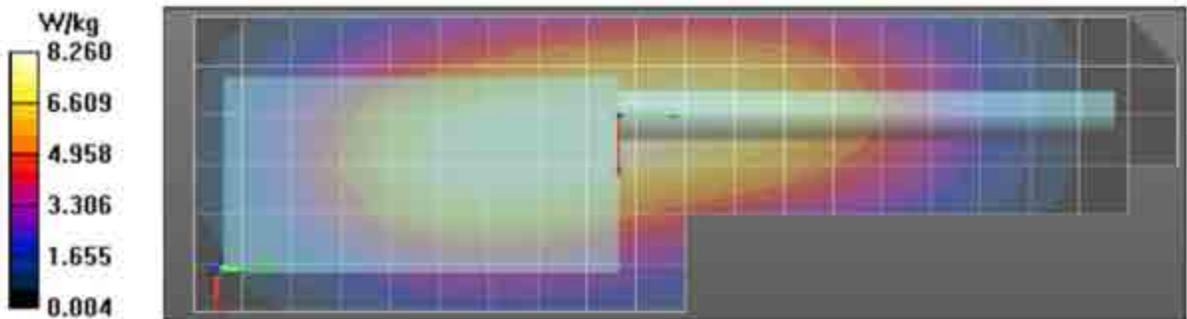
Reference Value = 97.18 V/m; Power Drift = -0.64 dB
 Fast SAR: SAR(1 g) = 8.1 W/kg; SAR(10 g) = 5.85 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 9.07 W/kg

Below 2 GHz-Rev.2/Ab scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 97.18 V/m; Power Drift = -0.85 dB
 Peak SAR (extrapolated) = 10.7 W/kg
 SAR(1 g) = 7.43 W/kg; SAR(10 g) = 5.4 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 8.37 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) = 8.26 W/kg



Assessments at the Face for Outside Part 90 Table 36

Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/18/2015 9:05:12 AM

Robot#: DASY5-PG-1 | Run#: KKL-FACE-151118-09
Model#: PMUE3838B
Phantom#: ELI4 1028
Tissue Temp: 20.9 (C)
Serial#: 446TRT7269
Antenna: PMAE4071A
Test Freq: 527.000 (MHz)
Battery: PMNN4491A
Carry Acc: None
Audio Acc: None
Start Power: 4.76 (W)

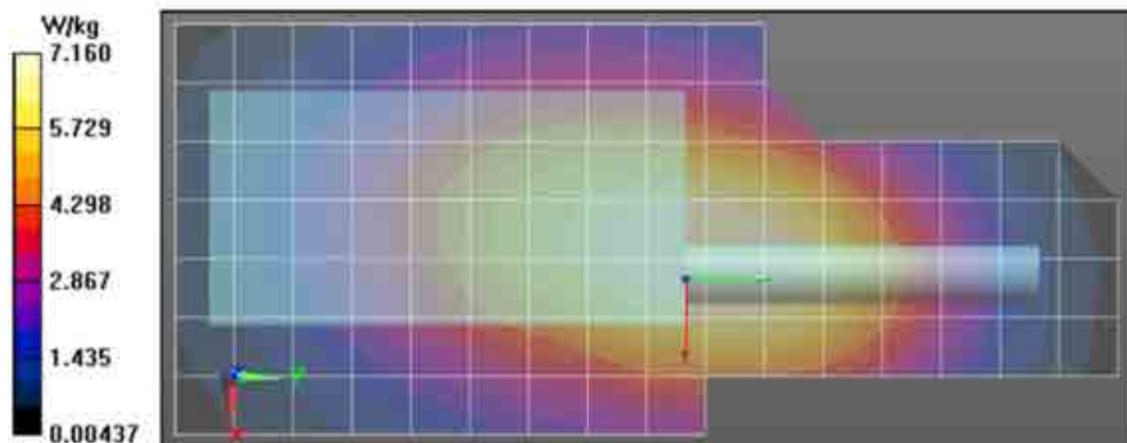
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 527 \text{ MHz}$; $\sigma = 0.91 \text{ S/m}$; $\epsilon_r = 42.9$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3122, Frequency: 527 MHz, ConvF(6.79, 6.79, 6.79), Calibrated: 6/19/2015
Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

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 = 90.30 V/m; Power Drift = -0.41 dB
Fast SAR: SAR(1 g) = 6.8 W/kg; SAR(10 g) = 4.94 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 7.62 W/kg

Below 2 GHz-Rev.2/Face 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 = 90.30 V/m; Power Drift = -0.57 dB
Peak SAR (extrapolated) = 8.49 W/kg
SAR(1 g) = 6.45 W/kg; SAR(10 g) = 4.72 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 7.20 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) = 7.16 W/kg



APPENDIX F

Shortened Scan of Highest SAR configuration

Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/17/2015 1:58:49 AM

Robot#: DASY5-PG-1 | Run#: FIE-AB-151117-03
 Model#: PMUE3838B
 Phantom#: EL15 1150
 Tissue Temp: 20.5 (C)
 Serial#: 446TRT7269
 Antenna: PMAE4070A
 Test Freq: 459.100 (MHz)
 Battery: PMNN4417BR
 Carry Acc: RLN4570A
 Audio Acc: None
 Start Power: 4.78 (W)

Comments: Shorten scan

Duty Cycle: 1:1, Medium parameters used: $f = 459 \text{ MHz}$, $\sigma = 0.94 \text{ S/m}$, $\epsilon_r = 55.1$, $\rho = 1000 \text{ kg/m}^3$
 Probe: ES3DV3 - SN3122, Frequency: 459.1 MHz, ConvF(6.78, 6.78, 6.78); Calibrated: 6/19/2015
 Electronics: DAE4 Sn1488, Calibrated: 7/14/2015

Below 2 GHz-Rev.2/Ab scan/1-Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 116.9 V/m; Power Drift = -0.44 dB
 Fast SAR: SAR(1 g) = 11.7 W/kg; SAR(10 g) = 8.45 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 13.1 W/kg

Below 2 GHz-Rev.2/Ab scan/2-Volume Scan 2D (41x41x1): Interpolated grid: dx=0.7500 mm, dy=0.7500 mm, dz=1.000 mm

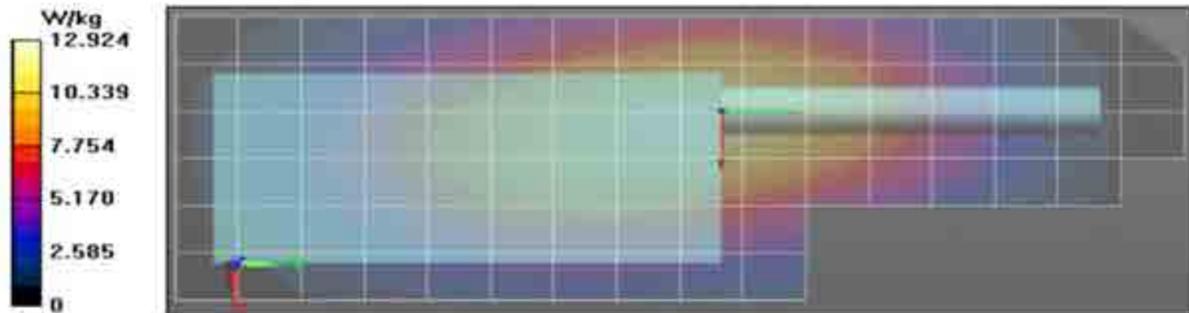
Reference Value = 116.9 V/m; Power Drift = -0.52 dB
 Fast SAR: SAR(1 g) = 11.4 W/kg; SAR(10 g) = 8.34 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 12.7 W/kg

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) = 12.5 W/kg

Below 2 GHz-Rev.2/Ab scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 124.3 V/m; Power Drift = -0.46 dB
 Peak SAR (extrapolated) = 17.1 W/kg
 SAR(1 g) = 11.8 W/kg; SAR(10 g) = 8.57 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 13.4 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)	SAR 10g (W/kg)
Shorten scan (zoom)	37	8	6.59	4.78
Full scan (area & zoom)	29	25	6.21	4.52

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