

**MOTOROLA SOLUTIONS**
MS ISO/IEC 17025
TESTING
SAMM No.0826
DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 3 of 3**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.

Date of Report: 05/25/2018**Report Revision:** B

Responsible Engineer: Veeramani Veerapan
Report Author: Veeramani Veerapan
Date/s Tested: 11/14/2017 – 4/24/2018
Manufacturer: Motorola Solutions Inc.
DUT Description: Handheld Portable - APX8000H ST U/V/7_800 M3.5 Black (Standard Top Control, Black Housing, M3.5 Full Keypad)
Test TX mode(s): CW (PTT), Bluetooth, and WLAN 802.11b/g/n
Max. Power output: 6.6 W (VHF), 5.7 W (UHF), 2.99 W (700 MHz band), 3.6 W (800 MHz band), 10 mW (Bluetooth), 28.3 mW (802.11b), 11.2 mW (802.11g/n)
Nominal Power: 6.0 W (VHF), 5.0 W (UHF), 2.5 W (700 MHz band), 3.0 W (800 MHz band), 10 mW (Bluetooth), 28.3 mW (802.11b), 11.2 mW (802.11g/n)
Tx Frequency Bands: LMR 136-174 MHz, 380-520 MHz, 762-805 MHz, 806-870 MHz; Bluetooth 2402-2480 MHz; WLAN 2400-2483.5 MHz
Signaling type: FM, TDMA, FHSS (Bluetooth), 802.11b/g/n (WLAN)
Model(s) Tested: H91TGD9PW9AN (PNUW1036A / KNUW1036A)
Model(s) Certified: H91TGD9PW8AN (PNUW1035A / KNUW1035A; PNUW1041A / KNUW1041A)
 H91TGD9PW9AN (PNUW1036A / KNUW1036A; PNUW1042A / KNUW1042A)
Serial Number(s): 673TTV0841, 673TTV0848, 673TTV1050
Classification: Occupational/Controlled
FCC ID: AZ489FT7111; 150.8-173.4 MHz, 406.1-512 MHz, 764-775 MHz, 794-824 MHz, 851-869 MHz. This report contains results that are immaterial for FCC equipment approval, which are clearly identified.
IC ID: 109U-89FT7111; 138-174 MHz, 406.1-430 MHz, 450-470 MHz, 764-775 MHz, 794-824 MHz, 851-869 MHz. This report contains results that are immaterial for ISSED equipment approval, which are clearly identified.
ISED Test Site Registration: 109AK
FCC Test Firm Registration Number: 823256

The test results clearly demonstrate compliance with FCC Occupational/Controlled RF Exposure limits of 8 W/kg averaged over 1 gram per the requirements of FCC 47 CFR § 2.1093 and ISSED RSS-102 (Issue 5).

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

Tiong Nguk Ing
Deputy Technical Manager (Approved Signatory)
Approval Date: 5/29/2018

APPENDIX E

DUT Scans

150.8-173.4 MHz

Table 18 - Assessments at the Body with Body Worn PMLN7901A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/20/2017 6:06:27 PM

Robot#: DASY5-PG-1 | Run#: ZR(AN)-AB-171120-10
 Model#: H91TGD9PW9AN
 Phantom#: ELI5 1150
 Tissue Temp: 21.3 (C)
 Serial#: 673TTV0848
 Antenna: KT000026A01
 Test Freq: 173.4000 (MHz)
 Battery: PMNN4485A
 Carry Acc: PMLN7901A
 Audio Acc: NMN6274A
 Start Power: 6.50 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 173$ MHz; $\sigma = 0.82$ S/m; $\epsilon_r = 62.2$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3735, Frequency: 173.4 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (101x281x1): Interpolated grid: dx=1.500 mm,

dy=1.500 mm

Reference Value = 30.15 V/m; Power Drift = -0.83 dB

Fast SAR: SAR(1 g) = 0.610 W/kg; SAR(10 g) = 0.468 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.706 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 = 30.15 V/m; Power Drift = -1.04 dB

Peak SAR (extrapolated) = 0.697 W/kg

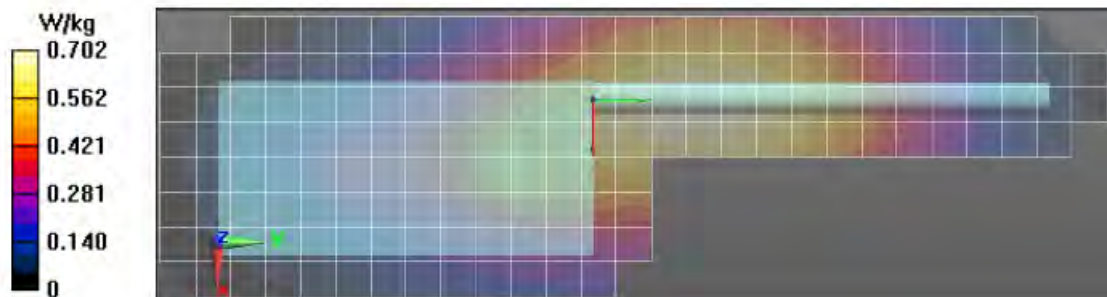
SAR(1 g) = 0.551 W/kg; SAR(10 g) = 0.440 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.625 W/kg

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

dz=10mm

Maximum value of SAR (measured) = 0.597 W/kg



150.8-173.4 MHz

Table 19 - Assessment at the Body with wireless BT configuration

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/21/2017 12:25:48 AM

Robot#: DASY5-PG-1 | Run#: AZ-AB-171121-01#
 Model#: H91TGD9PW9AN
 Phantom#: ELIS 1150
 Tissue Temp: 20.5 (C)
 Serial#: 673TTV0848
 Antenna: KT000026A01
 Test Freq: 173.4000 (MHz)
 Battery: PMNN4485A
 Carry Acc: PMLN7901A
 Audio Acc: BT(None)
 Start Power: 6.60 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 173 \text{ MHz}$; $\sigma = 0.82 \text{ S/m}$; $\epsilon_r = 62.2$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3735, , Frequency: 173.4 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (101x321x1): Interpolated grid: $dx=1.500 \text{ mm}$,
 $dy=1.500 \text{ mm}$

Reference Value = 33.97 V/m; Power Drift = -0.79 dB

Fast SAR: SAR(1 g) = 0.775 W/kg; SAR(10 g) = 0.586 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.919 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 = 33.97 V/m; Power Drift = -0.98 dB

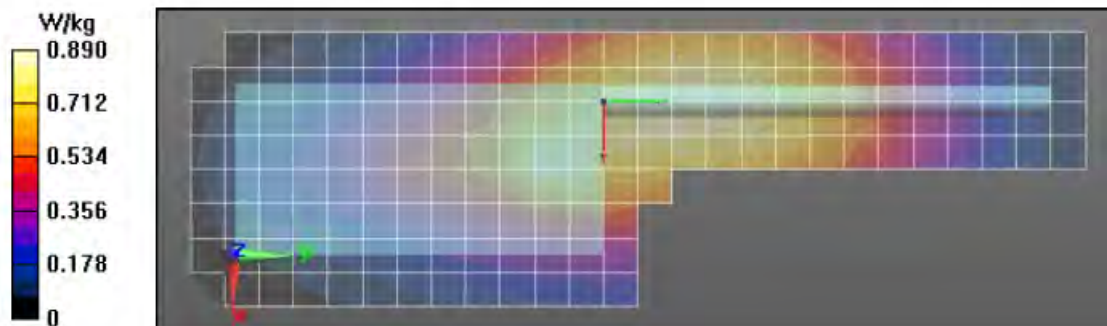
Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.681 W/kg; SAR(10 g) = 0.508 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.819 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) = 0.789 W/kg



406.1-470 MHz

Table 21 - Assessments at the Body with Body Worn PMLN7901A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/14/2017 9:49:04 PM

Robot#: DASY5-PG-1 | Run#: ZR-AB-171114-20
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1016
 Tissue Temp: 20.9 (C)
 Serial#: 673TTV0848
 Antenna: KT000026A01
 Test Freq: 438.1000 (MHz)
 Battery: PMNN4547A
 Carry Acc: PMLN7901A
 Audio Acc: NMN6274A
 Start Power: 5.53 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 438$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3735, Frequency: 438.1 MHz, ConvF(10.56, 10.56, 10.56); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (101x281x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 81.58 V/m; Power Drift = -0.38 dB

Fast SAR: SAR(1 g) = 7.38 W/kg; SAR(10 g) = 5.34 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 8.74 W/kg

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

Reference Value = 81.58 V/m; Power Drift = -0.37 dB

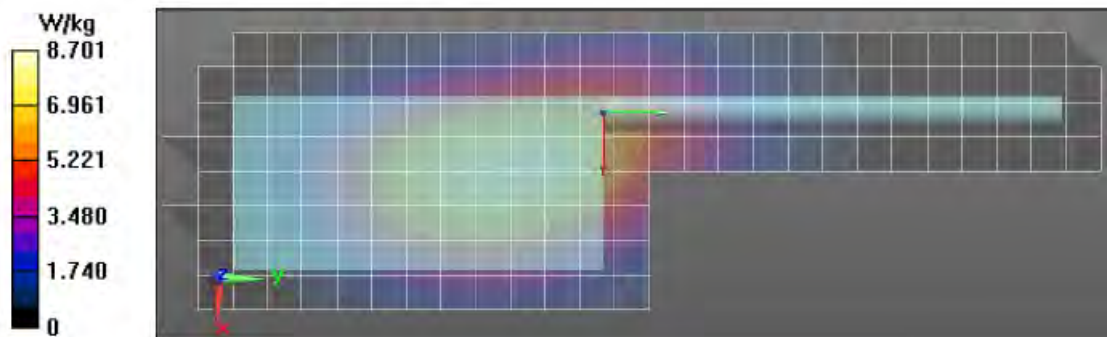
Peak SAR (extrapolated) = 8.95 W/kg

SAR(1 g) = 7.12 W/kg; SAR(10 g) = 5.47 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.11 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) = 8.02 W/kg



406.1-470 MHz

Table 22 - Assessment at the Body with wireless BT configuration

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/11/2018 5:39:00 PM

Robot#: DASY5-PG-3 | Run#: FD-AB-180211-09
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1103
 Tissue Temp: 20.4 (C)
 Serial#: 673TTV1050
 Antenna: KT000026A01
 Test Freq: 438.1000 (MHz)
 Battery: PMNN4547A
 Carry Acc: PMLN7901A
 Audio Acc: BT(None)
 Start Power: 5.51 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 438$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3612, Frequency: 438.1 MHz, ConvF(9.35, 9.35, 9.35); Calibrated: 5/17/2017
 Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (81x271x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 93.79 V/m; Power Drift = -0.28 dB

Fast SAR: SAR(1 g) = 8.24 W/kg; SAR(10 g) = 6.04 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 9.71 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 = 93.79 V/m; Power Drift = -0.32 dB

Peak SAR (extrapolated) = 10.7 W/kg

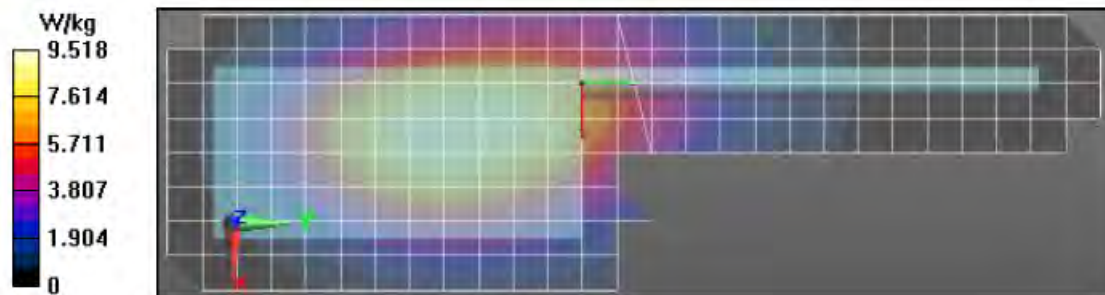
SAR(1 g) = 8.15 W/kg; SAR(10 g) = 6.21 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.47 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) = 9.45 W/kg



450-512 MHz

Table 24 - Assessments at the Body with Body Worn PMLN7901A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/15/2017 5:21:07 AM

Robot#: DASY5-PG-1 | Run#: ZR-AB-171115-08#
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1016
 Tissue Temp: 20.3 (C)
 Serial#: 673TTV0848
 Antenna: KT000026A01
 Test Freq: 450.0000 (MHz)
 Battery: PMNN4547A
 Carry Acc: PMLN7901A
 Audio Acc: NMN6274A
 Start Power: 5.56 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 55.5$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3735, , Frequency: 450 MHz, ConvF(10.56, 10.56, 10.56); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (101x281x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 80.25 V/m; Power Drift = -0.39 dB

Fast SAR: SAR(1 g) = 7.29 W/kg; SAR(10 g) = 5.26 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 8.61 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 = 80.25 V/m; Power Drift = -0.37 dB

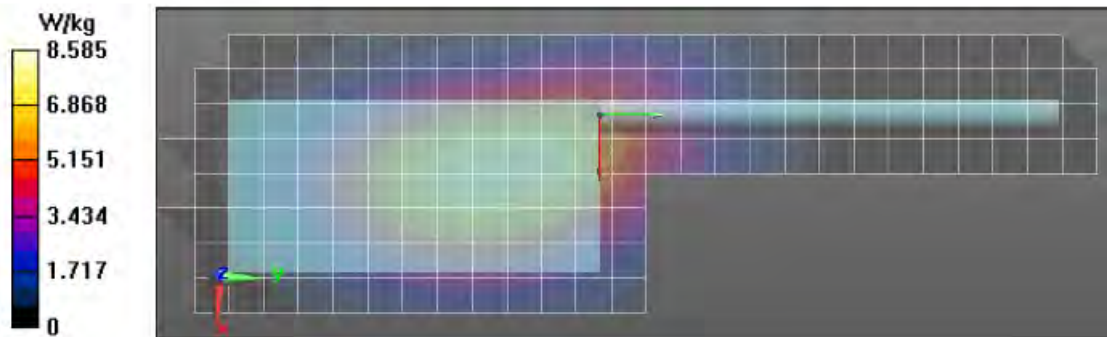
Peak SAR (extrapolated) = 8.81 W/kg

SAR(1 g) = 7.04 W/kg; SAR(10 g) = 5.4 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.99 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) = 7.92 W/kg



450-512 MHz

Table 25 - Assessment at the Body with wireless BT configuration

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/15/2017 7:36:24 AM

Robot#: DASY5-PG-1 | Run#: AZ-AB-171115-09#
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1016
 Tissue Temp: 20.2 (C)
 Serial#: 673TTV0848
 Antenna: KT000026A01
 Test Freq: 450.0000 (MHz)
 Battery: PMNN4547A
 Carry Acc: PMLN7901A
 Audio Acc: BT(None)
 Start Power: 5.50 (W)

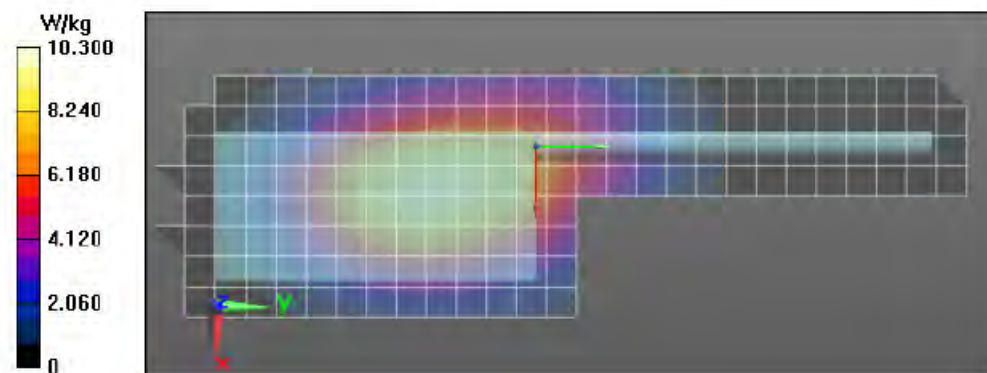
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 55.5$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3735, Frequency: 450 MHz, ConvF(10.56, 10.56, 10.56); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (101x281x1): Interpolated grid: $dx=1.500$ mm,
 $dy=1.500$ mm
 Reference Value = 93.57 V/m; Power Drift = -0.31 dB
Fast SAR: SAR(1 g) = 8.75 W/kg; SAR(10 g) = 6.34 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 10.3 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm,
 $dy=7.5$ mm, $dz=5$ mm
 Reference Value = 93.57 V/m; Power Drift = -0.29 dB
 Peak SAR (extrapolated) = 10.6 W/kg
 SAR(1 g) = 8.52 W/kg; SAR(10 g) = 6.6 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 9.63 W/kg

Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: $dx=20$ mm, $dy=20$ mm,
 $dz=10$ mm
 Maximum value of SAR (measured) = 9.54 W/kg



764-775 MHz

Table 27 - Assessments at the Body with Body Worn PMLN7901A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/23/2017 2:36:33 AM

Robot#: DASY5-PG-1 | Run#: AZ-AB-171123-04
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1028
 Tissue Temp: 20.9 (C)
 Serial#: 673TTV0848
 Antenna: NAR6595A
 Test Freq: 764.0125 (MHz)
 Battery: PMNN4485A
 Carry Acc: PMLN7901A
 Audio Acc: NMN6274A
 Start Power: 2.99 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 764 \text{ MHz}$; $\sigma = 0.93 \text{ S/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3735, , Frequency: 764.013 MHz, ConvF(9.52, 9.52, 9.52); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (101x281x1): Interpolated grid: $dx=1.500 \text{ mm}$,
 $dy=1.500 \text{ mm}$

Reference Value = 64.00 V/m; Power Drift = -0.38 dB

Fast SAR: SAR(1 g) = 5.92 W/kg; SAR(10 g) = 4.12 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 7.09 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 = 64.00 V/m; Power Drift = -0.34 dB

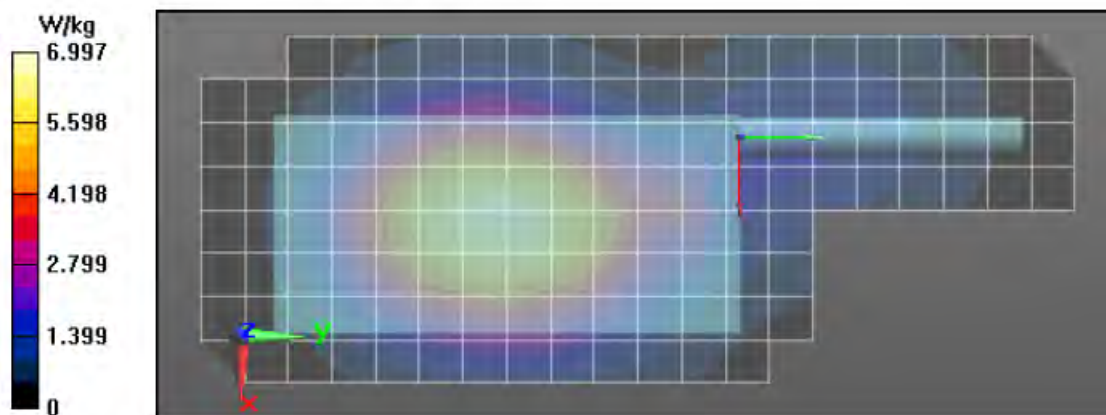
Peak SAR (extrapolated) = 6.93 W/kg

SAR(1 g) = 5.98 W/kg; SAR(10 g) = 4.63 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.54 W/kg

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

Maximum value of SAR (measured) = 6.49 W/kg



764-775 MHz

Table 28 - Assessment at the Body with wireless BT configuration

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/5/2018 10:35:54 AM

Robot#: DASY5-PG-1 | Run#: ZR(AN)-AB-180205-03
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1028
 Tissue Temp: 20.8 (C)
 Serial#: 673TTV0848
 Antenna: NAR6595A
 Test Freq: 764.0125 (MHz)
 Battery: PMNN4485A
 Carry Acc: PMLN7901A
 Audio Acc: BT(None)
 Start Power: 2.97 (W)

Comments: Shorten Scan

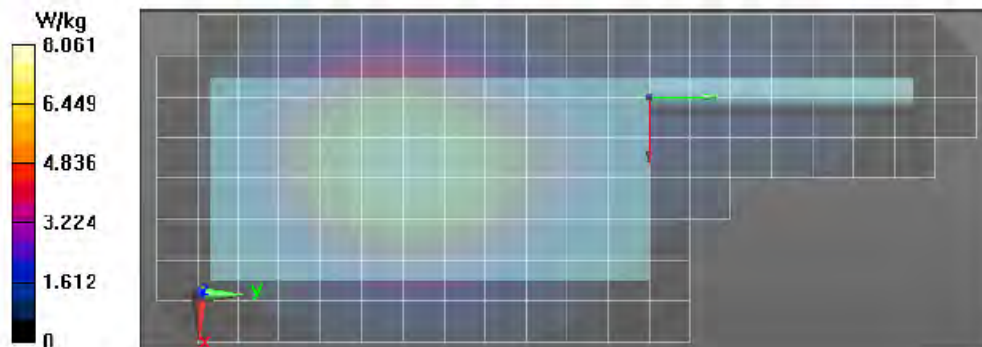
Duty Cycle: 1:1, Medium parameters used: $f = 764 \text{ MHz}$; $\sigma = 0.93 \text{ S/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3735, , Frequency: 764.013 MHz, ConvF(9.52, 9.52, 9.52); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (101x321x1): Interpolated grid: $dx=1.500 \text{ mm}$,
 $dy=1.500 \text{ mm}$
 Reference Value = 74.77 V/m; Power Drift = -0.36 dB
 Fast SAR: SAR(1 g) = 6.88 W/kg; SAR(10 g) = 4.8 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 8.17 W/kg

Below 2 GHz-Rev.2/Ab Scan/2-Volume 2D Scan (41x41x1): Interpolated grid: $dx=0.7500 \text{ mm}$,
 $dy=0.7500 \text{ mm}$, $dz=1.000 \text{ mm}$
 Reference Value = 74.77 V/m; Power Drift = -0.32 dB
 Fast SAR: SAR(1 g) = 6.86 W/kg; SAR(10 g) = 4.9 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 8.04 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=7.5 \text{ mm}$,
 $dy=7.5 \text{ mm}$, $dz=5 \text{ mm}$
 Reference Value = 95.26 V/m; Power Drift = -0.05 dB
 Peak SAR (extrapolated) = 8.83 W/kg
 SAR(1 g) = 7.32 W/kg; SAR(10 g) = 5.6 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 8.17 W/kg

Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: $dx=20 \text{ mm}$, $dy=20 \text{ mm}$,
 $dz=10 \text{ mm}$
 Maximum value of SAR (measured) = 7.75 W/kg



764-775 MHz

Table 30 - Assessments of PSM configuration

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/23/2017 11:42:00 AM

Robot#: DASY5-PG-1 | Run#: ZR(AN)-AB-171123-15
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1028
 Tissue Temp: 21.4 (C)
 Serial#: 673TTV0848
 Antenna: PMAF4002A
 Test Freq: 764.0125 (MHz)
 Battery: PMNN4494A
 Carry Acc: 4205823V08REV.N
 Audio Acc: PMMN4059B
 Start Power: 2.99 (W)

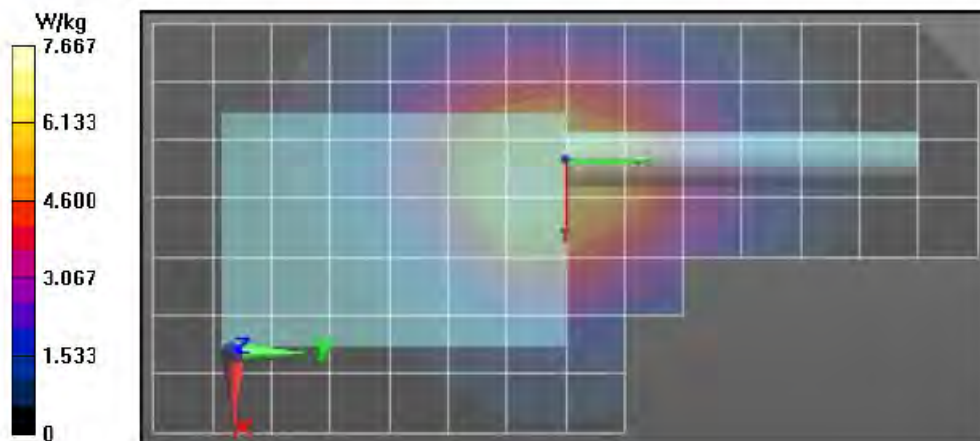
Comments: Power at PSM 2.32 (W)

Duty Cycle: 1:1, Medium parameters used: $f = 764 \text{ MHz}$; $\sigma = 0.93 \text{ S/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3735, Frequency: 764.013 MHz, ConvF(9.52, 9.52, 9.52); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (101x281x1): Interpolated grid: $dx=1.500 \text{ mm}$,
 $dy=1.500 \text{ mm}$
 Reference Value = 82.09 V/m; Power Drift = -0.23 dB
 Fast SAR: SAR(1 g) = 6.54 W/kg; SAR(10 g) = 4.36 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 8.06 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 = 82.09 V/m; Power Drift = -0.21 dB
 Peak SAR (extrapolated) = 8.36 W/kg
 SAR(1 g) = 6.42 W/kg; SAR(10 g) = 4.59 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 7.51 W/kg

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



794-824 MHz

Table 32 - Assessments at the Body with Body Worn PMLN7901A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/23/2017 6:24:11 PM

Robot#: DASY5-PG-1 | Run#: ZR(AN)-AB-171123-23
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1028
 Tissue Temp: 21.3 (C)
 Serial#: 673TTV0848
 Antenna: NAR6595A
 Test Freq: 823.9875 (MHz)
 Battery: NNTN8930A
 Carry Acc: PMLN7901A
 Audio Acc: NMN6274A
 Start Power: 3.56 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 824$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3735, Frequency: 823.987 MHz, ConvF(9.28, 9.28, 9.28); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (101x281x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 56.55 V/m; Power Drift = -0.50 dB

Fast SAR: SAR(1 g) = 5.87 W/kg; SAR(10 g) = 4.05 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 7.23 W/kg

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

Reference Value = 56.55 V/m; Power Drift = -0.50 dB

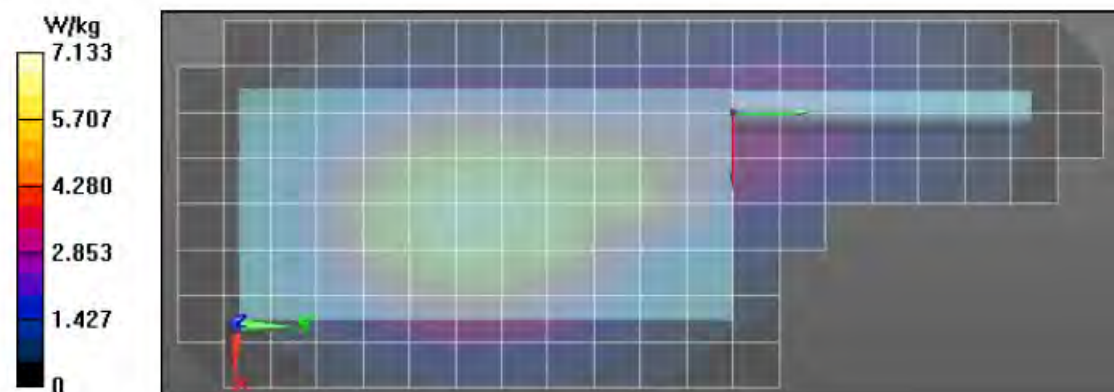
Peak SAR (extrapolated) = 6.80 W/kg

SAR(1 g) = 5.78 W/kg; SAR(10 g) = 4.45 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.47 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) = 6.35 W/kg



794-824 MHz

Table 33 - Assessment at the Body with wireless BT configuration

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/23/2017 10:57:59 PM

Robot#: DASY5-PG-1 | Run#: AZ-AB-171123-28
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1028
 Tissue Temp: 20.6 (C)
 Serial#: 673TTV0848
 Antenna: NAR6595A
 Test Freq: 823.9875 (MHz)
 Battery: NNTN8930A
 Carry Acc: PMLN7901A
 Audio Acc: BT(None)
 Start Power: 3.55 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 824$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3735, Frequency: 823.987 MHz, ConvF(9.28, 9.28, 9.28); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (101x281x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 64.09 V/m; Power Drift = -0.48 dB

Fast SAR: SAR(1 g) = 6.46 W/kg; SAR(10 g) = 4.45 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 7.94 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 = 64.09 V/m; Power Drift = -0.48 dB

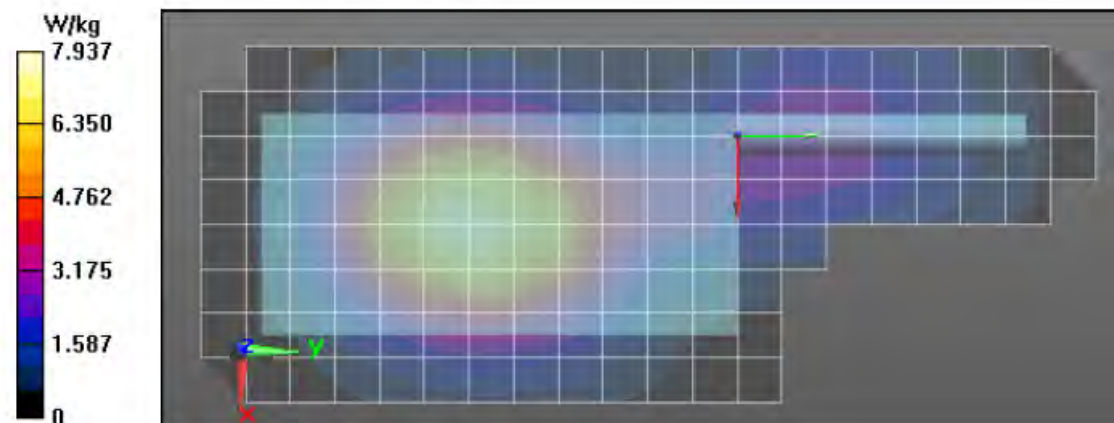
Peak SAR (extrapolated) = 7.59 W/kg

SAR(1 g) = 6.37 W/kg; SAR(10 g) = 4.88 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.19 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) = 7.07 W/kg



794-824 MHz

Table 35 - Assessments of PSM configuration

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/24/2017 7:33:33 PM

Robot#: DASY5-PG-1 | Run#: AZ-AB-171124-15
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1028
 Tissue Temp: 20.9 (C)
 Serial#: 673TTV0848
 Antenna: PMAF4002A
 Test Freq: 823.9875 (MHz)
 Battery: PMNN4494A
 Carry Acc: 4205823V08REV.N
 Audio Acc: PMMN4061B
 Start Power: 3.55 (W)

Comments: Power at PSM 2.49 (W)

Duty Cycle: 1:1, Medium parameters used: $f = 824 \text{ MHz}$; $\sigma = 0.98 \text{ S/m}$; $\epsilon_r = 53.2$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3735, Frequency: 823.987 MHz, ConvF(9.28, 9.28, 9.28); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (101x281x1): Interpolated grid: $dx=1.500 \text{ mm}$,
 $dy=1.500 \text{ mm}$

Reference Value = 76.34 V/m; Power Drift = -0.34 dB

Fast SAR: SAR(1 g) = 5.32 W/kg; SAR(10 g) = 3.5 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 6.72 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 = 76.34 V/m; Power Drift = -0.38 dB

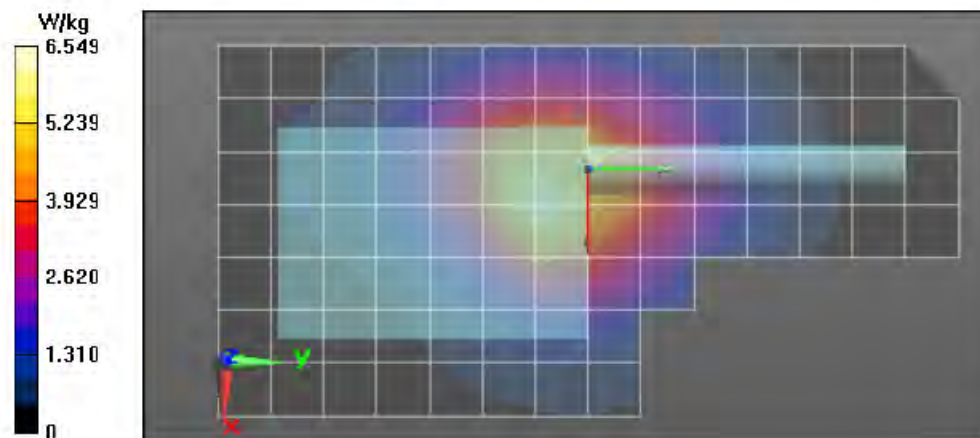
Peak SAR (extrapolated) = 6.97 W/kg

SAR(1 g) = 5.14 W/kg; SAR(10 g) = 3.6 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.21 W/kg

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

Maximum value of SAR (measured) = 6.24 W/kg



851-870 MHz

Table 37 - Assessments at the Body with Body Worn PMLN7901A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/24/2017 5:57:01 AM

Robot#: DASY5-PG-1 | Run#: AZ-AB-171124-07
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1028
 Tissue Temp: 20.4 (C)
 Serial#: 673TTV0848
 Antenna: NAR6595A
 Test Freq: 851.0125 (MHz)
 Battery: NNTN8930A
 Carry Acc: PMLN7901A
 Audio Acc: NMN6274A
 Start Power: 3.55 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 851 \text{ MHz}$; $\sigma = 1.01 \text{ S/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3735, , Frequency: 851.013 MHz, ConvF(9.28, 9.28, 9.28); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (101x281x1): Interpolated grid: $dx=1.500 \text{ mm}$,
 $dy=1.500 \text{ mm}$

Reference Value = 52.18 V/m; Power Drift = -0.31 dB

Fast SAR: SAR(1 g) = 4.8 W/kg; SAR(10 g) = 3.32 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 5.87 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=7.5 \text{ mm}$,
 $dy=7.5 \text{ mm}$, $dz=5 \text{ mm}$

Reference Value = 52.18 V/m; Power Drift = -0.30 dB

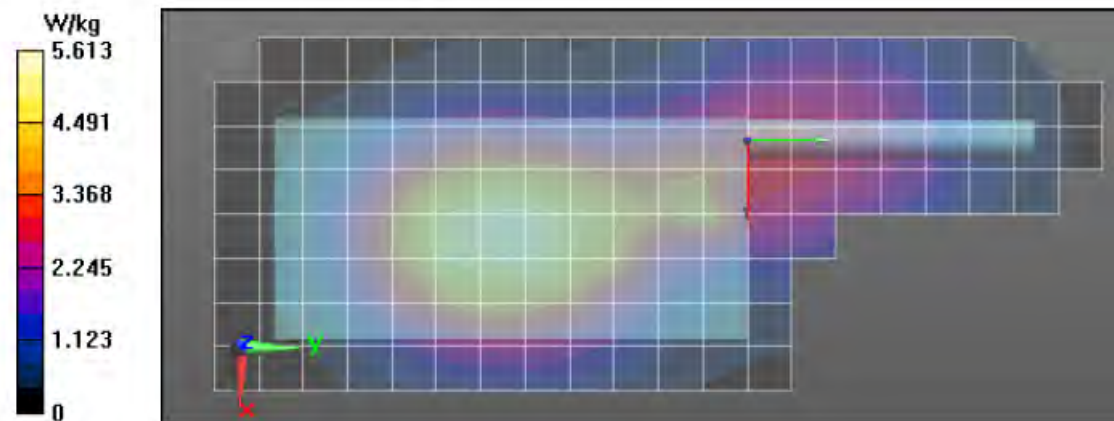
Peak SAR (extrapolated) = 5.66 W/kg

SAR(1 g) = 4.72 W/kg; SAR(10 g) = 3.59 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.33 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) = 5.22 W/kg



851-870 MHz

Table 38 - Assessment at the Body with wireless BT configuration

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/24/2017 10:55:04 AM

Robot#: DASY5-PG-1 | Run#: ZR(AN)-AB-171124-12
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1028
 Tissue Temp: 20.8 (C)
 Serial#: 673TTV0848
 Antenna: NAR6595A
 Test Freq: 851.0125 (MHz)
 Battery: NNTN8930A
 Carry Acc: PMLN7901A
 Audio Acc: BT(None)
 Start Power: 3.57 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 851$ MHz; $\sigma = 1.01$ S/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3735, Frequency: 851.013 MHz, ConvF(9.28, 9.28, 9.28); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (101x281x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 57.30 V/m; Power Drift = -0.58 dB

Fast SAR: SAR(1 g) = 5.23 W/kg; SAR(10 g) = 3.66 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 6.34 W/kg

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

Reference Value = 57.30 V/m; Power Drift = -0.62 dB

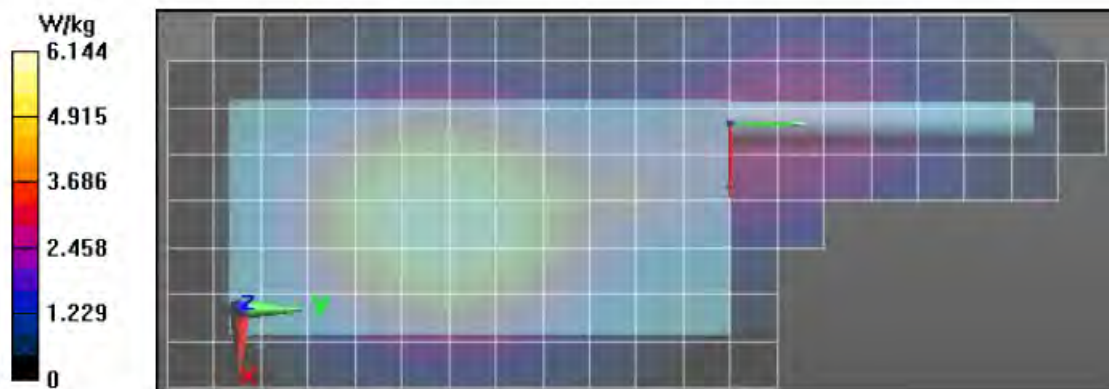
Peak SAR (extrapolated) = 6.29 W/kg

SAR(1 g) = 5.24 W/kg; SAR(10 g) = 3.97 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.91 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) = 5.81 W/kg



851-870 MHz
Table 40 - Assessments of PSM configuration

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/24/2017 9:32:11 PM

Robot#: DASY5-PG-1 | Run#: AZ-AB-171124-16
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1028
 Tissue Temp: 20.9 (C)
 Serial#: 673TTV0848
 Antenna: PMAF4002A
 Test Freq: 868.9875 (MHz)
 Battery: PMNN4494A
 Carry Acc: 4205823V08REV.N
 Audio Acc: PMMN4059B
 Start Power: 3.58 (W)

Comments: Power at PSM 2.70 (W)

Duty Cycle: 1:1, Medium parameters used: $f = 869$ MHz; $\sigma = 1.03$ S/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3735, Frequency: 868.987 MHz, ConvF(9.19, 9.19, 9.19); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (101x281x1): Interpolated grid: dx=1.500 mm,
 dy=1.500 mm

Reference Value = 56.25 V/m; Power Drift = -0.30 dB

Fast SAR: SAR(1 g) = 3.15 W/kg; SAR(10 g) = 2.01 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 4.04 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 = 56.25 V/m; Power Drift = -0.37 dB

Peak SAR (extrapolated) = 4.34 W/kg

SAR(1 g) = 2.89 W/kg; SAR(10 g) = 1.97 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.61 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) = 3.68 W/kg

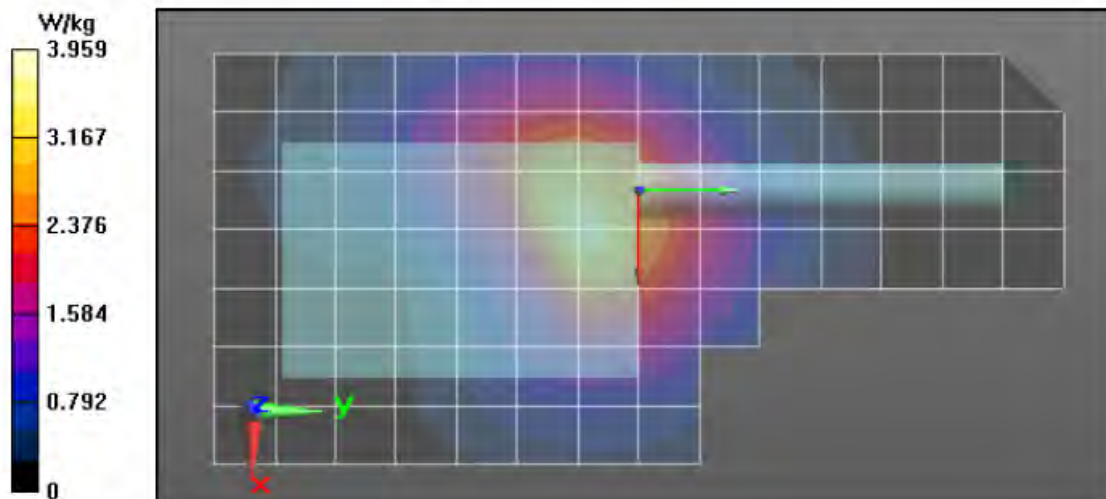


Table 42 – WLAN Assessments of the Body**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/2/2018 1:44:45 AM

Robot#: DASY5-PG-3 | Run#: ZR(ZZ)-AB-180302-02#
 Model#: H91TGD9PW9AN (PNUW1036A)
 Phantom#: ELIS 1147
 Tissue Temp: 21.2 (C)
 Serial#: 673TTV0841
 Antenna: 84009370002 WiFi Ant
 Test Freq: 2412.000 (MHz)
 Battery: PMNN4547A
 Carry Acc: PMLN7901A
 Audio Acc: None
 Start Power: 0.0266 (W)

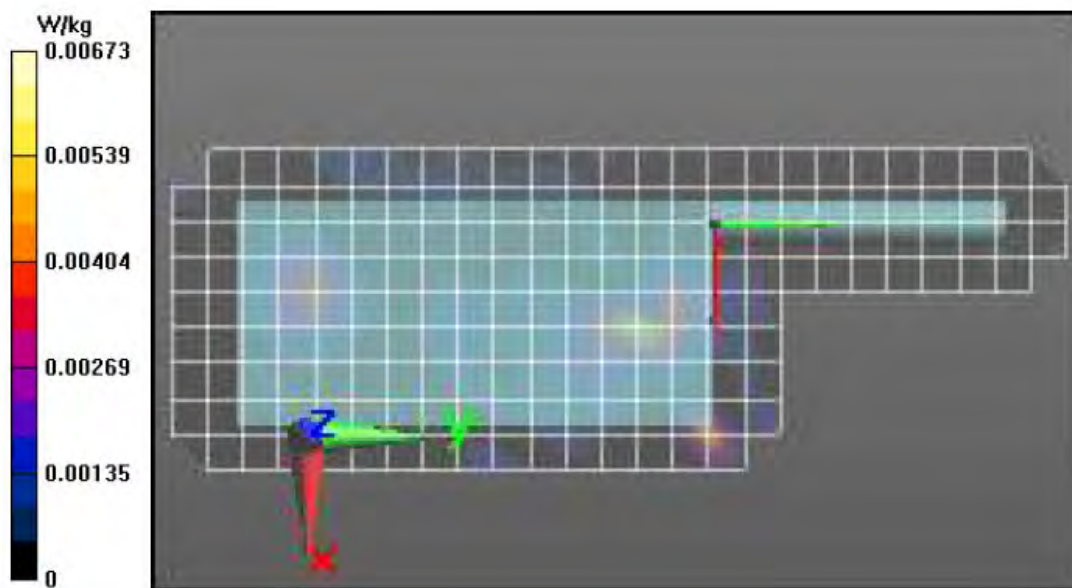
Comments:

Duty Cycle: 1:1.42561, Medium parameters used: $f = 2412$ MHz; $\sigma = 1.99$ S/m; $\epsilon_r = 48.2$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3612, , Frequency: 2412 MHz, ConvF(6.82, 6.82, 6.82); Calibrated: 5/17/2017
 Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

2-3 GHz-Rev.2/Ab Scan/1-Area Scan (111x301x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
 Reference Value = 0.9110 V/m; Power Drift = 0.33 dB
 Fast SAR: SAR(1 g) = 0.00358 W/kg; SAR(10 g) = 0.00105 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 0.0112 W/kg

2-3 GHz-Rev.2/Ab Scan/3-Zoom Scan (9x10x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
 Reference Value = 0.9110 V/m; Power Drift = -0.31 dB
 Peak SAR (extrapolated) = 0.0170 W/kg
 SAR(1 g) = 0.00302 W/kg; SAR(10 g) = 0.000916 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 0.00648 W/kg

2-3 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 Maximum value of SAR (measured) = 0.00598 W/kg



150.8-173.4 MHz

Table 44 - Assessment at the Face (Front of DUT)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/21/2017 2:26:29 PM

Robot#: DASY5-PG-1 | Run#: ZR(AN)-FACE-171121-14
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1022
 Tissue Temp: 21.0 (C)
 Serial#: 673TTV0848
 Antenna: KT000026A01
 Test Freq: 173.400 (MHz)
 Battery: PMNN4485A
 Carry Acc: None Radio @ Front
 Audio Acc: None
 Start Power: 6.60 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 173$ MHz; $\sigma = 0.78$ S/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3735, Frequency: 173.4 MHz, ConvF(11.79, 11.79, 11.79); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Face Scan/1-Area Scan (101x321x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 36.07 V/m; Power Drift = -0.89 dB

Fast SAR: SAR(1 g) = 0.855 W/kg; SAR(10 g) = 0.652 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.996 W/kg

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

Reference Value = 36.07 V/m; Power Drift = -1.03 dB

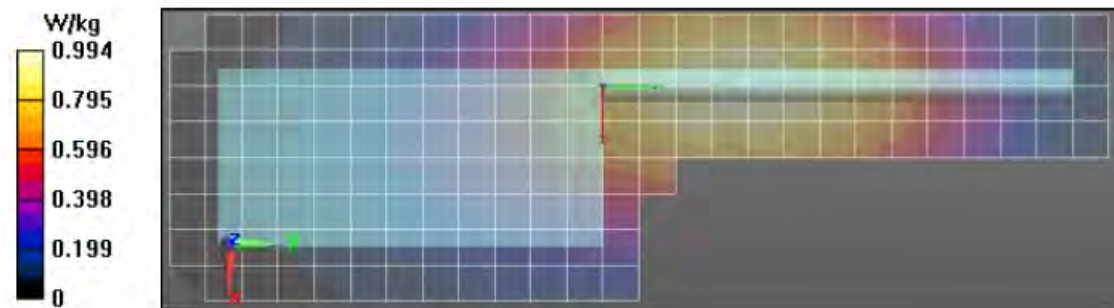
Peak SAR (extrapolated) = 0.978 W/kg

SAR(1 g) = 0.773 W/kg; SAR(10 g) = 0.613 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.882 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) = 0.860 W/kg



150.8-173.4 MHz

Table 45 - Assessment at the Face (Back of DUT)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/7/2018 11:52:32 PM

Robot#: DASY5-PG-3 | Run#: FD-FACE-180207-13
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1022
 Tissue Temp: 20.5 (C)
 Serial#: 673TTV1050
 Antenna: KT000026A01
 Test Freq: 173.4000 (MHz)
 Battery: PMNN4485A
 Carry Acc: None; Radio @ Back
 Audio Acc: None
 Start Power: 6.42 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 173$ MHz; $\sigma = 0.78$ S/m; $\epsilon_r = 49.3$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3612, Frequency: 173.4 MHz, ConvF(10.17, 10.17, 10.17); Calibrated: 5/17/2017
 Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

Below 2 GHz-Rev.2/FACE Scan/1-Area Scan (81x271x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 41.90 V/m; Power Drift = -0.81 dB

Fast SAR: SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.863 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.30 W/kg

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

Reference Value = 41.90 V/m; Power Drift = -0.88 dB

Fast SAR: SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.769 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.18 W/kg

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

Maximum value of SAR (measured) = 1.16 W/kg

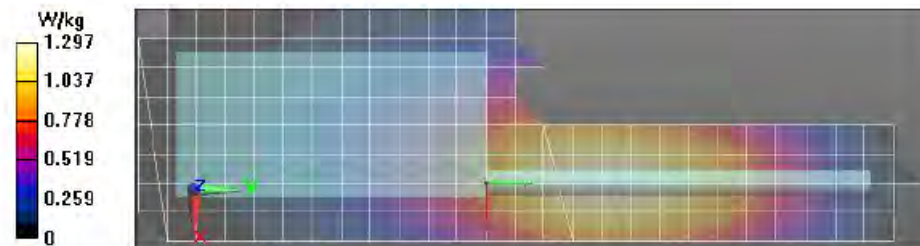
Below 2 GHz-Rev.2/FACE Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 42.94 V/m; Power Drift = -0.42 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.888 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.35 W/kg



406.1-470 MHz

Table 47 - Assessment at the Face (Front of DUT)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/16/2017 4:03:19 AM

Robot#: DASY5-PG-1 | Run#: ZR-FACE-171116-06#
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1109
 Tissue Temp: 20.7 (C)
 Serial#: 673TTV0848
 Antenna: PMAE4065A
 Test Freq: 438.1000 (MHz)
 Battery: PMNN4485A
 Carry Acc: None Radio @ front
 Audio Acc: None
 Start Power: 5.59 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 438$ MHz; $\sigma = 0.86$ S/m; $\epsilon_r = 43.9$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3735, , Frequency: 438.1 MHz, ConvF(10.37, 10.37, 10.37); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/FACE Scan/1-Area Scan (101x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 81.54 V/m; Power Drift = -0.25 dB

Fast SAR: SAR(1 g) = 5.18 W/kg; SAR(10 g) = 3.8 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 6.10 W/kg

Below 2 GHz-Rev.2/FACE Scan/3-Zoom Scan (6x7x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 81.54 V/m; Power Drift = -0.28 dB

Peak SAR (extrapolated) = 6.35 W/kg

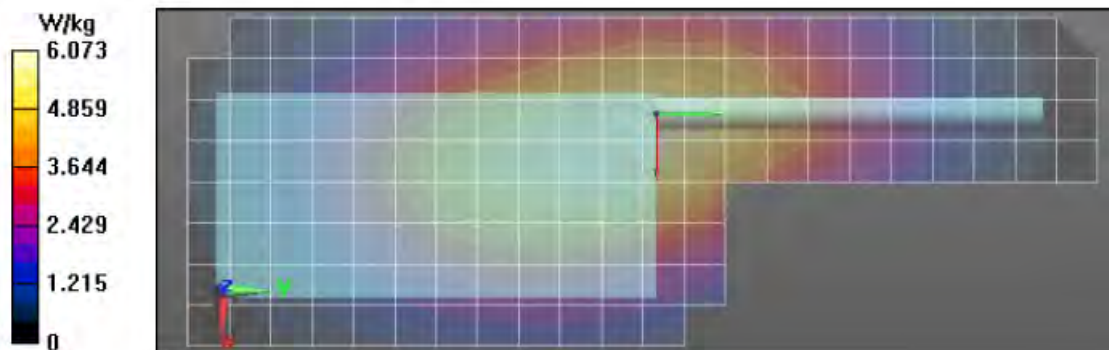
SAR(1 g) = 5.16 W/kg; SAR(10 g) = 4.01 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.82 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) = 5.76 W/kg



406.1-470 MHz

Table 48 - Assessment at the Face (Back of DUT)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/16/2017 10:53:58 PM

Robot#: DASY5-PG-1 | Run#: ZR(AN)-FACE-171116-16
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1109
 Tissue Temp: 21.1 (C)
 Serial#: 673TTV0848
 Antenna: PMAS4001A
 Test Freq: 438.1000 (MHz)
 Battery: PMNN4485A
 Carry Acc: None Radio @ Back
 Audio Acc: None
 Start Power: 5.60 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 438$ MHz; $\sigma = 0.84$ S/m; $\epsilon_r = 43.1$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3735, Frequency: 438.1 MHz, ConvF(10.37, 10.37, 10.37); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Face Scan/1-Area Scan (101x301x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 79.11 V/m; Power Drift = -0.14 dB

Fast SAR: SAR(1 g) = 5.18 W/kg; SAR(10 g) = 3.77 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 6.02 W/kg

Below 2 GHz-Rev.2/Face Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 79.11 V/m; Power Drift = -0.18 dB

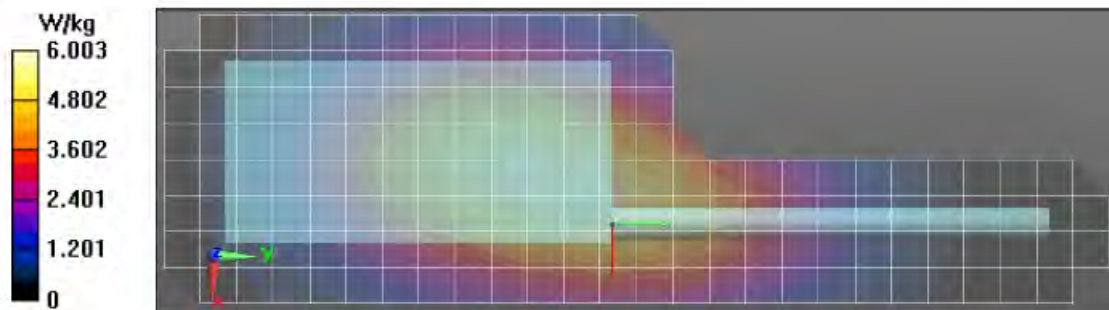
Peak SAR (extrapolated) = 5.97 W/kg

SAR(1 g) = 5.08 W/kg; SAR(10 g) = 3.94 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.57 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) = 5.50 W/kg



450-512 MHz

Table 50 - Assessment at the Face (Front of DUT)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/17/2017 8:00:46 AM

Robot#: DASY5-PG-1 | Run#: AZ-FACE-171117-07#
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1109
 Tissue Temp: 20.9 (C)
 Serial#: 673TTV0848
 Antenna: KT000026A01
 Test Freq: 450.0000 (MHz)
 Battery: NNTN8930A
 Carry Acc: None Radio @ Front
 Audio Acc: None
 Start Power: 5.36 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.85$ S/m; $\epsilon_r = 42.9$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3735, , Frequency: 450 MHz, ConvF(10.37, 10.37, 10.37); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Face Scan/1-Area Scan (101x301x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 87.60 V/m; Power Drift = -0.46 dB

Fast SAR: SAR(1 g) = 6.09 W/kg; SAR(10 g) = 4.47 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 7.14 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 = 87.60 V/m; Power Drift = -0.66 dB

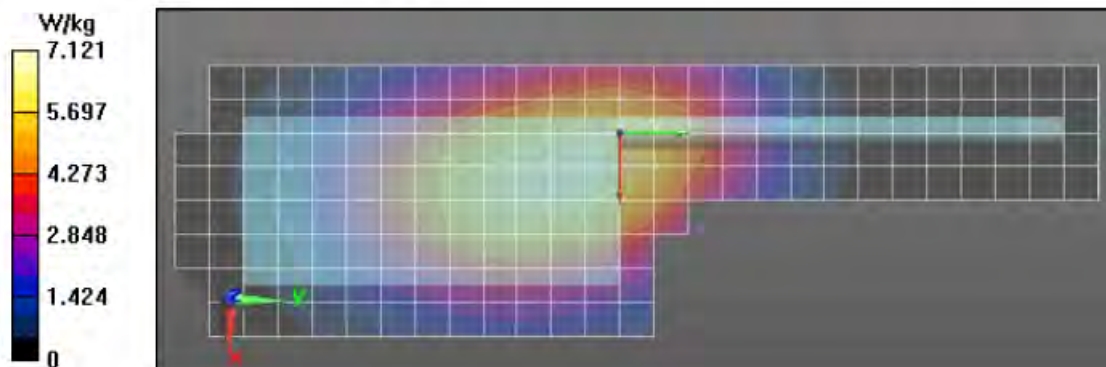
Peak SAR (extrapolated) = 7.20 W/kg

SAR(1 g) = 5.83 W/kg; SAR(10 g) = 4.49 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.55 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) = 6.26 W/kg



450-512 MHz

Table 51 - Assessment at the Face (Back of DUT)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/18/2017 12:01:46 AM

Robot#: DASY5-PG-1 | Run#: ZR(AN)-FACE-171118-01#
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1109
 Tissue Temp: 21.1 (C)
 Serial#: 673TTV0848
 Antenna: KT000026A01
 Test Freq: 450.0000 (MHz)
 Battery: PMNN4485A
 Carry Acc: None Radio @ Back
 Audio Acc: None
 Start Power: 5.58 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.85 \text{ S/m}$; $\epsilon_r = 42.6$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3735, , Frequency: 450 MHz, ConvF(10.37, 10.37, 10.37); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Face Scan/1-Area Scan (101x301x1): Interpolated grid: $dx=1.500 \text{ mm}$,
 $dy=1.500 \text{ mm}$

Reference Value = 93.26 V/m; Power Drift = -0.25 dB

Fast SAR: SAR(1 g) = 6.79 W/kg; SAR(10 g) = 4.93 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 8.01 W/kg

Below 2 GHz-Rev.2/Face Scan/3-Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=7.5 \text{ mm}$,
 $dy=7.5 \text{ mm}$, $dz=5 \text{ mm}$

Reference Value = 93.26 V/m; Power Drift = -0.26 dB

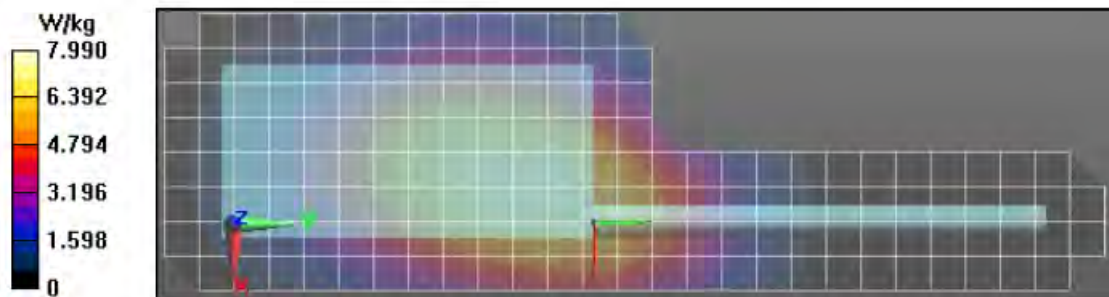
Peak SAR (extrapolated) = 7.84 W/kg

SAR(1 g) = 6.59 W/kg; SAR(10 g) = 5.14 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.33 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) = 7.26 W/kg



764-775 MHz

Table 53 - Assessment at the Face (Front of DUT)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/5/2017 4:18:28 AM

Robot#: DASY5-PG-3 | Run#: ZR-FACE-171205-06#
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1037
 Tissue Temp: 20.5 (C)
 Serial#: 673TTV0848
 Antenna: NAR6595A
 Test Freq: 764.0125 (MHz)
 Battery: PMNN4485A
 Carry Acc: @ front
 Audio Acc: None
 Start Power: 2.95 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 764$ MHz; $\sigma = 0.87$ S/m; $\epsilon_r = 43.1$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3612, Frequency: 764.013 MHz, ConvF(8.71, 8.71, 8.71); Calibrated: 5/17/2017
 Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

Below 2 GHz-Rev.2/Face Scan/1-Area Scan (81x201x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 59.51 V/m; Power Drift = -0.33 dB

Fast SAR: SAR(1 g) = 4.23 W/kg; SAR(10 g) = 2.98 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 4.66 W/kg

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

Reference Value = 59.51 V/m; Power Drift = -0.38 dB

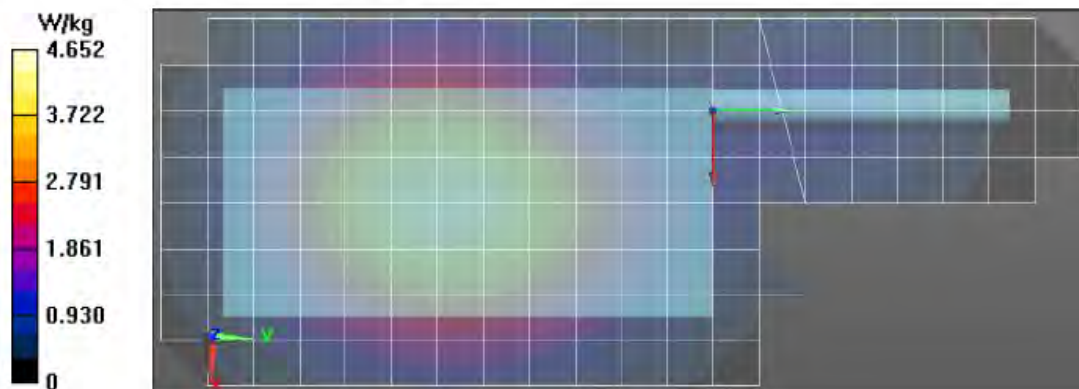
Peak SAR (extrapolated) = 5.17 W/kg

SAR(1 g) = 4.21 W/kg; SAR(10 g) = 3.17 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.52 W/kg

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

Maximum value of SAR (measured) = 4.50 W/kg



764-775 MHz

Table 54 - Assessment at the Face (Back of DUT)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/19/2017 12:09:35 AM

Robot#: DASY5-PG-1 | Run#: ZR(AN)-FACE-171219-01#
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1037
 Tissue Temp: 20.1 (C)
 Serial#: 673TTV0848
 Antenna: NAR6595A
 Test Freq: 764.0125 (MHz)
 Battery: PMNN4485A
 Carry Acc: None Radio @ Back
 Audio Acc: None
 Start Power: 2.96 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 764 \text{ MHz}$; $\sigma = 0.86 \text{ S/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3735, , Frequency: 764.013 MHz, ConvF(9.82, 9.82, 9.82); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Face Scan/1-Area Scan (101x321x1): Interpolated grid: $dx=1.500 \text{ mm}$,
 $dy=1.500 \text{ mm}$

Reference Value = 61.65 V/m; Power Drift = -0.07 dB

Fast SAR: SAR(1 g) = 4.34 W/kg; SAR(10 g) = 3.03 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 5.15 W/kg

Below 2 GHz-Rev.2/Face Scan/3-Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=7.5 \text{ mm}$,
 $dy=7.5 \text{ mm}$, $dz=5 \text{ mm}$

Reference Value = 61.65 V/m; Power Drift = -0.08 dB

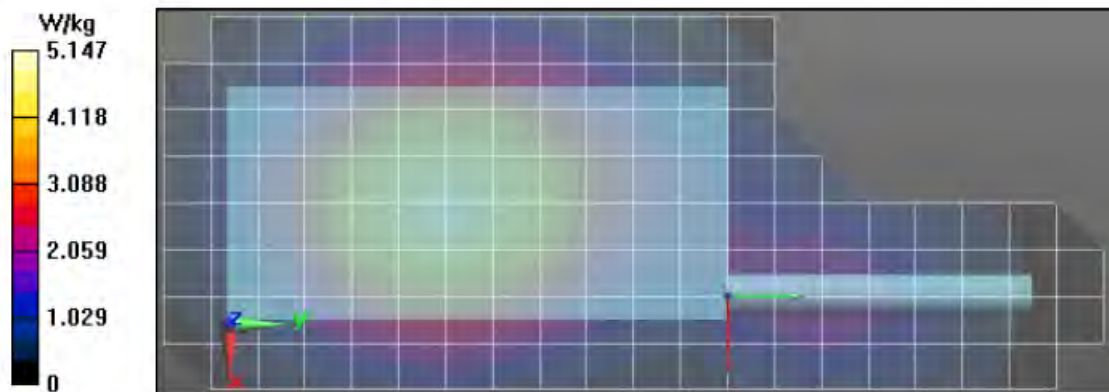
Peak SAR (extrapolated) = 5.07 W/kg

SAR(1 g) = 4.36 W/kg; SAR(10 g) = 3.38 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.79 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) = 4.73 W/kg



794-824 MHz

Table 56 - Assessment at the Face (Front of DUT)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/14/2017 4:49:57 AM

Robot#: DASY5-PG-1 | Run#: AZ-FACE-171214-06#
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1037
 Tissue Temp: 20.5 (C)
 Serial#: 673TTV0848
 Antenna: PMAF4040A
 Test Freq: 823.9875 (MHz)
 Battery: PMNN4485A
 Carry Acc: None Radio @ Front
 Audio Acc: None
 Start Power: 3.55 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 824 \text{ MHz}$; $\sigma = 0.92 \text{ S/m}$; $\epsilon_r = 41.9$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3735, Frequency: 823.987 MHz, ConvF(9.44, 9.44, 9.44); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Face Scan/1-Area Scan (101x321x1): Interpolated grid: $dx=1.500 \text{ mm}$,
 $dy=1.500 \text{ mm}$

Reference Value = 67.96 V/m; Power Drift = -0.34 dB

Fast SAR: SAR(1 g) = 3.69 W/kg; SAR(10 g) = 2.58 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 4.52 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 = 67.96 V/m; Power Drift = -0.34 dB

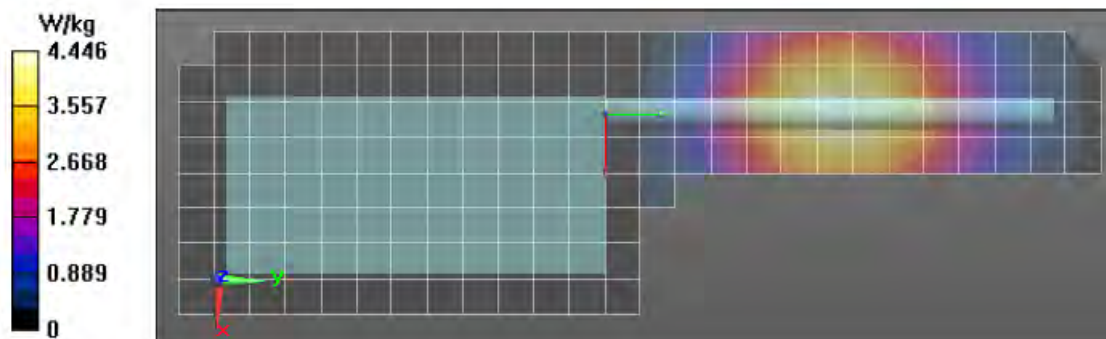
Peak SAR (extrapolated) = 4.54 W/kg

SAR(1 g) = 3.73 W/kg; SAR(10 g) = 2.83 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.24 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) = 4.19 W/kg



794-824 MHz

Table 57 - Assessment at the Face (Back of DUT)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/21/2017 3:55:18 AM

Robot#: DASY5-PG-1 | Run#: ZR(AN)-FACE-171221-05
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1037
 Tissue Temp: 20.2 (C)
 Serial#: 673TTV1050
 Antenna: PMAF4040A
 Test Freq: 823.9875 (MHz)
 Battery: PMNN4485A
 Carry Acc: None Radio @ Back
 Audio Acc: None
 Start Power: 3.53 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 824 \text{ MHz}$; $\sigma = 0.93 \text{ S/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3735, , Frequency: 823.987 MHz, ConvF(9.44, 9.44, 9.44); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Face Scan/1-Area Scan (101x321x1): Interpolated grid: $dx=1.500 \text{ mm}$,
 $dy=1.500 \text{ mm}$

Reference Value = 79.68 V/m; Power Drift = -0.21 dB

Fast SAR: SAR(1 g) = 4.92 W/kg; SAR(10 g) = 3.46 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 5.99 W/kg

Below 2 GHz-Rev.2/Face Scan/3-Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=7.5 \text{ mm}$,
 $dy=7.5 \text{ mm}$, $dz=5 \text{ mm}$

Reference Value = 79.68 V/m; Power Drift = -0.20 dB

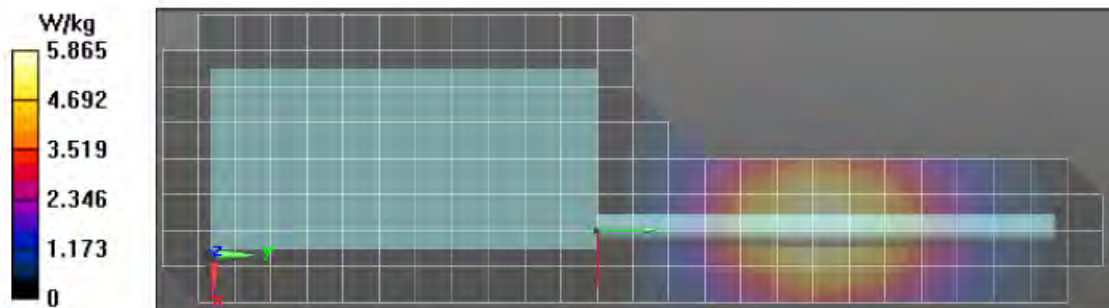
Peak SAR (extrapolated) = 6.15 W/kg

SAR(1 g) = 5.02 W/kg; SAR(10 g) = 3.77 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.74 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) = 5.68 W/kg



851-870 MHz

Table 59 - Assessment at the Face (Front of DUT)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/15/2017 6:15:10 AM

Robot#: DASY5-PG-1 | Run#: AZ-FACE-171215-07#
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1037
 Tissue Temp: 20.3 (C)
 Serial#: 673TTV0848
 Antenna: PMAF4040A
 Test Freq: 868.9875 (MHz)
 Battery: PMNN4494A
 Carry Acc: None Radio @ Front
 Audio Acc: None
 Start Power: 3.56 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 869$ MHz; $\sigma = 0.97$ S/m; $\epsilon_r = 41$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3735, , Frequency: 868.987 MHz, ConvF(9.28, 9.28, 9.28); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Face Scan/1-Area Scan (101x321x1): Interpolated grid: dx=1.500 mm,
 dy=1.500 mm

Reference Value = 65.01 V/m; Power Drift = -0.32 dB

Fast SAR: SAR(1 g) = 3.52 W/kg; SAR(10 g) = 2.44 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 4.35 W/kg

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

Reference Value = 65.01 V/m; Power Drift = -0.30 dB

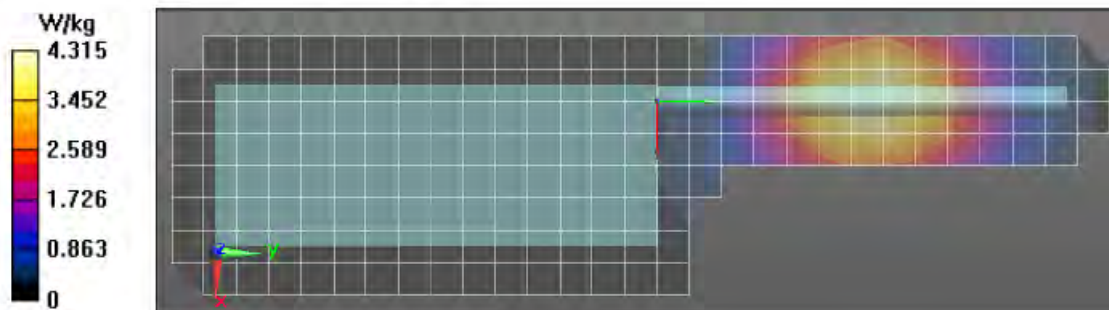
Peak SAR (extrapolated) = 4.27 W/kg

SAR(1 g) = 3.58 W/kg; SAR(10 g) = 2.73 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.04 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) = 4.01 W/kg



851-870 MHz

Table 60 - Assessment at the Face (Back of DUT)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/16/2017 2:46:02 AM

Robot#: DASY5-PG-1 | Run#: AZ-FACE-171216-04#
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1037
 Tissue Temp: 20.2 (C)
 Serial#: 673TTV0848
 Antenna: PMAF4040A
 Test Freq: 868.9875 (MHz)
 Battery: PMNN4485A
 Carry Acc: None Radio @ Back
 Audio Acc: None
 Start Power: 3.58 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 869$ MHz; $\sigma = 0.96$ S/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3735, , Frequency: 868.987 MHz, ConvF(9.28, 9.28, 9.28); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Face Scan/1-Area Scan (101x321x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 66.00 V/m; Power Drift = -0.23 dB

Fast SAR: SAR(1 g) = 4.23 W/kg; SAR(10 g) = 2.9 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 5.23 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 = 66.00 V/m; Power Drift = -0.21 dB

Peak SAR (extrapolated) = 5.07 W/kg

SAR(1 g) = 4.19 W/kg; SAR(10 g) = 3.14 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.77 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) = 4.73 W/kg

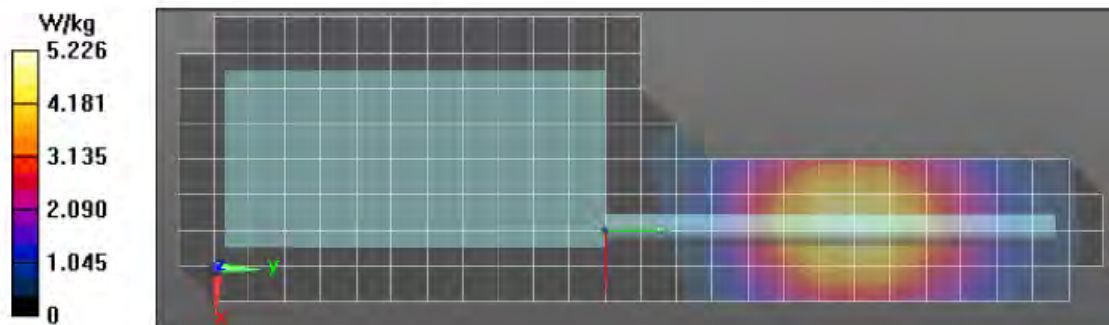


Table 62 – WLAN Assessment at the Face (Back of DUT)**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/5/2018 10:58:39 PM

Robot#: DASY5-PG-3 | Run#: AZ(LOH)-FACE-180305-06
 Model#: H91TGD9PW9AN (PNUW1036A)
 Phantom#: ELI4 1090
 Tissue Temp: 21.1 (C)
 Serial#: 673TTV0841
 Antenna: 84009370002 WiFi Ant
 Test Freq: 2412.000(MHz)
 Battery: PMNN4485A
 Carry Acc: 2.5cm @ Back
 Audio Acc: None
 Start Power: 0.0279 (W)

Comments:

Duty Cycle: 1:1.42561, Medium parameters used: $f = 2412$ MHz; $\sigma = 1.84$ S/m; $\epsilon_r = 36$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3612, Frequency: 2412 MHz, ConvF(6.59, 6.59, 6.59); Calibrated: 5/17/2017
 Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

2-3 GHz-Rev.2/Face Scan/1-Area Scan (111x311x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Reference Value = 4.912 V/m; Power Drift = -0.65 dB

Fast SAR: SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.050 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.124 W/kg

2-3 GHz-Rev.2/Face Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.912 V/m; Power Drift = -0.70 dB

Peak SAR (extrapolated) = 0.154 W/kg

SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.048 W/kg (SAR corrected for target medium)

2-3 GHz-Rev.2/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm

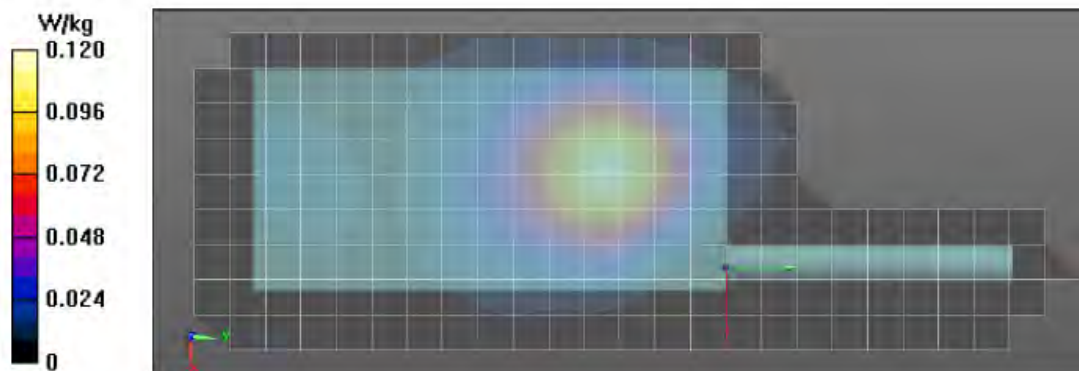


Table 64 - Assessment for ISED, Canada (Body); VHF band**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 11/21/2017 1:52:23 AM

Robot#: DASY5-PG-1 | Run#: AZ-AB-171121-03#
 Model#: H91TGD9PW9AN
 Phantom#: ELIS 1150
 Tissue Temp: 20.4 (C)
 Serial#: 673TTV0848
 Antenna: KT000026A01
 Test Freq: 139.700 (MHz)
 Battery: PMNN4485A
 Carry Acc: PMLN7901A
 Audio Acc: BT(None)
 Start Power: 6.58 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 140$ MHz; $\sigma = 0.81$ S/m; $\epsilon_r = 63.7$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3735, Frequency: 139.7 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (101x321x1): Interpolated grid: dx=1.500 mm,
 dy=1.500 mm

Reference Value = 54.09 V/m; Power Drift = -0.53 dB

Fast SAR: SAR(1 g) = 2.67 W/kg; SAR(10 g) = 1.95 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.20 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 = 54.09 V/m; Power Drift = -0.69 dB

Peak SAR (extrapolated) = 3.77 W/kg

SAR(1 g) = 2.35 W/kg; SAR(10 g) = 1.67 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.91 W/kg

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

Maximum value of SAR (measured) = 2.86 W/kg

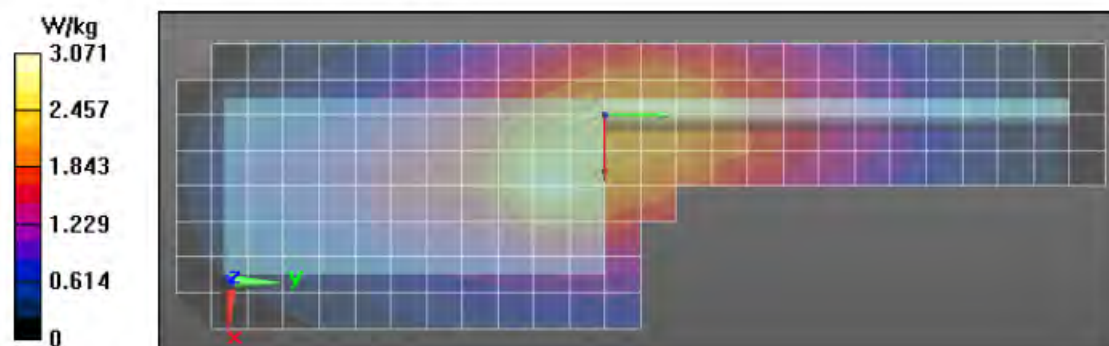


Table 64 - Assessment for ISED, Canada (Face); VHF band**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 11/22/2017 1:13:31 AM

Robot#: DASY5-PG-1 | Run#: AZ-FACE-171122-02#
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1022
 Tissue Temp: 20.4 (C)
 Serial#: 673TTV0848
 Antenna: KT000026A01
 Test Freq: 139.700 (MHz)
 Battery: PMNN4485A
 Carry Acc: None Radio @ Back
 Audio Acc: None
 Start Power: 6.60 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 140$ MHz; $\sigma = 0.75$ S/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3735, , Frequency: 139.7 MHz, ConvF(11.79, 11.79, 11.79); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Face Scan/1-Area Scan (101x321x1): Interpolated grid: dx=1.500 mm,
 dy=1.500 mm

Reference Value = 58.37 V/m; Power Drift = -0.55 dB

Fast SAR: SAR(1 g) = 2.3 W/kg; SAR(10 g) = 1.76 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.64 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 = 58.37 V/m; Power Drift = -0.65 dB

Peak SAR (extrapolated) = 2.47 W/kg

SAR(1 g) = 2 W/kg; SAR(10 g) = 1.59 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.24 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) = 2.20 W/kg

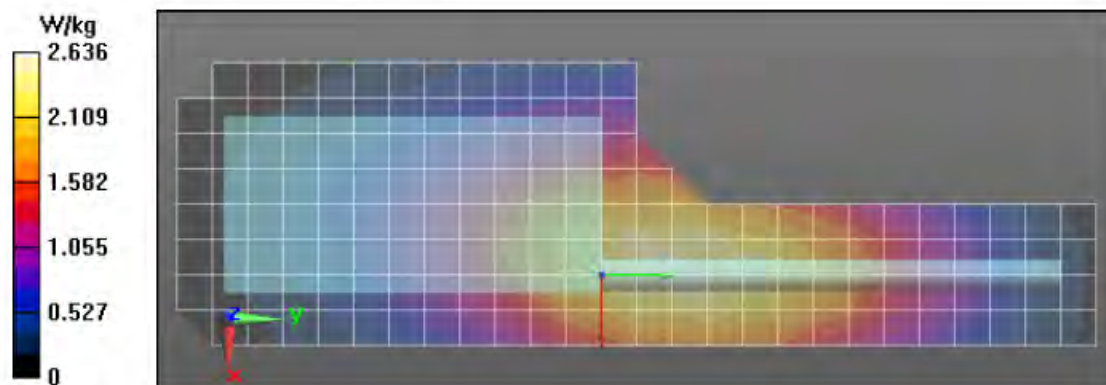


Table 65 - Assessment for ISED, Canada (Body); UHF1 band**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 2/11/2018 11:11:39 PM

Robot#: DASY5-PG-3 | Run#: ZR-AB-180211-13
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1103
 Tissue Temp: 19.8 (C)
 Serial#: 673TTV0848
 Antenna: KT000026A01
 Test Freq: 470.0000 (MHz)
 Battery: PMNN4547A
 Carry Acc: PMLN7901A
 Audio Acc: BT(None)
 Start Power: 5.52 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 470$ MHz; $\sigma = 0.95$ S/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3612, , Frequency: 470 MHz, ConvF(9.35, 9.35, 9.35); Calibrated: 5/17/2017
 Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (81x261x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 84.42 V/m; Power Drift = -0.65 dB

Fast SAR: SAR(1 g) = 7.46 W/kg; SAR(10 g) = 5.43 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 8.87 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 = 84.42 V/m; Power Drift = -0.80 dB

Peak SAR (extrapolated) = 9.05 W/kg

SAR(1 g) = 6.85 W/kg; SAR(10 g) = 5.19 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.01 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) = 7.93 W/kg

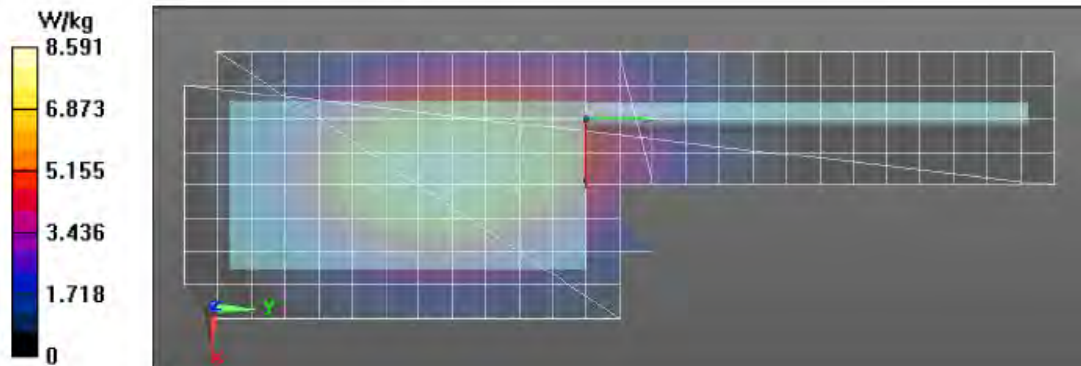


Table 65 - Assessment for ISED, Canada (Face); UHF1 band**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 2/9/2018 4:18:01 PM

Robot#: DASY5-PG-3 | Run#: ZR(ZZ)-FACE-180209-10
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1050
 Tissue Temp: 20.4 (C)
 Serial#: 673TTV0848
 Antenna: PMAE4065A
 Test Freq: 406.1250 (MHz)
 Battery: PMNN4485A
 Carry Acc: None, Radio @ Front
 Audio Acc: None
 Start Power: 5.54 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 406$ MHz; $\sigma = 0.85$ S/m; $\epsilon_r = 44.9$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3612, , Frequency: 406.125 MHz, ConvF(9.25, 9.25, 9.25); Calibrated: 5/17/2017
 Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

Below 2 GHz-Rev.2/FACE Scan/1-Area Scan (81x261x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 89.95 V/m; Power Drift = -0.35 dB

Fast SAR: SAR(1 g) = 6.19 W/kg; SAR(10 g) = 4.56 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 7.14 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 = 89.95 V/m; Power Drift = -0.37 dB

Peak SAR (extrapolated) = 7.92 W/kg

SAR(1 g) = 6.14 W/kg; SAR(10 g) = 4.64 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.04 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) = 6.99 W/kg

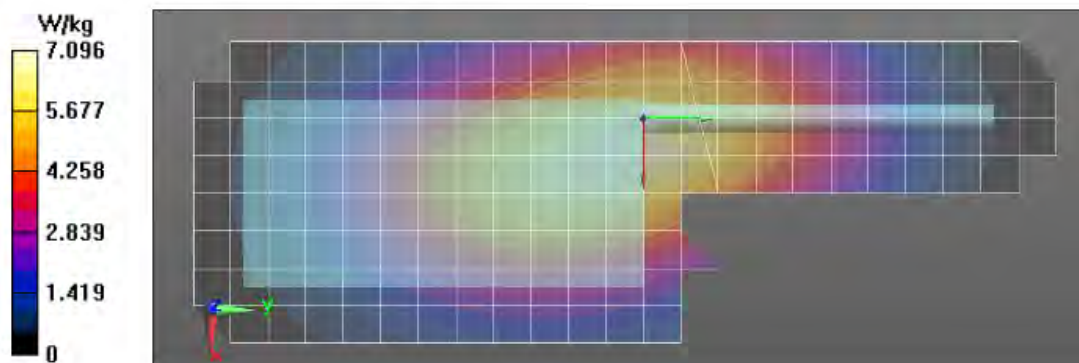


Table 66 - Assessment for ISED, Canada (Body); UHF2 band**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 11/15/2017 7:36:24 AM

Robot#: DASY5-PG-1 | Run#: AZ-AB-171115-09#
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1016
 Tissue Temp: 20.2 (C)
 Serial#: 673TTV0848
 Antenna: KT000026A01
 Test Freq: 450.0000 (MHz)
 Battery: PMNN4547A
 Carry Acc: PMLN7901A
 Audio Acc: BT(None)
 Start Power: 5.50 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 55.5$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3735, , Frequency: 450 MHz, ConvF(10.56, 10.56, 10.56); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (101x281x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 93.57 V/m; Power Drift = -0.31 dB

Fast SAR: SAR(1 g) = 8.75 W/kg; SAR(10 g) = 6.34 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 10.3 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 = 93.57 V/m; Power Drift = -0.29 dB

Peak SAR (extrapolated) = 10.6 W/kg

SAR(1 g) = 8.52 W/kg; SAR(10 g) = 6.6 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.63 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) = 9.54 W/kg

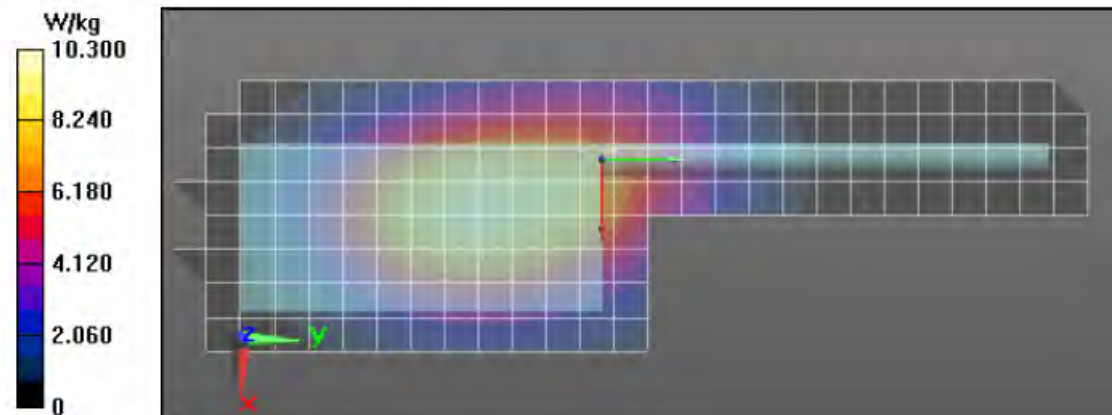


Table 66 - Assessment for ISED, Canada (Face); UHF2 band
Motorola Solutions, Inc. EME Laboratory
 Date/Time: 11/17/2017 8:00:46 AM

Robot#: DASY5-PG-1 | Run#: AZ-FACE-171117-07#
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1109
 Tissue Temp: 20.9 (C)
 Serial#: 673TTV0848
 Antenna: KT000026A01
 Test Freq: 450.0000 (MHz)
 Battery: NNTN8930A
 Carry Acc: None Radio @ Front
 Audio Acc: None
 Start Power: 5.36 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.85 \text{ S/m}$; $\epsilon_r = 42.9$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3735, , Frequency: 450 MHz, ConvF(10.37, 10.37, 10.37); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Face Scan/1-Area Scan (101x301x1): Interpolated grid: $dx=1.500 \text{ mm}$,
 $dy=1.500 \text{ mm}$
 Reference Value = 87.60 V/m; Power Drift = -0.46 dB
 Fast SAR: SAR(1 g) = 6.09 W/kg; SAR(10 g) = 4.47 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 7.14 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 = 87.60 V/m; Power Drift = -0.66 dB
 Peak SAR (extrapolated) = 7.20 W/kg
 SAR(1 g) = 5.83 W/kg; SAR(10 g) = 4.49 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 6.55 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) = 6.26 W/kg

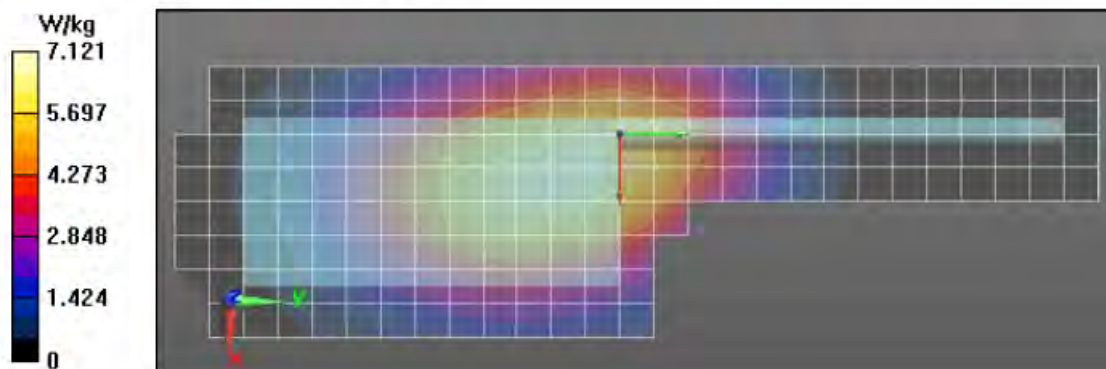


Table 67 - Assessment for ISED, Canada (Body); 7/800 MHz**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 2/5/2018 11:30:36 AM

Robot#: DASY5-PG-1 | Run#: ZR(AN)-AB-180205-04
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1028
 Tissue Temp: 20.5 (C)
 Serial#: 673TTV0848
 Antenna: NAR6595A
 Test Freq: 770.0000 (MHz)
 Battery: PMNN4485A
 Carry Acc: PMLN7901A
 Audio Acc: BT(None)
 Start Power: 2.98 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 770$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3735, , Frequency: 770 MHz, ConvF(9.52, 9.52, 9.52); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (101x321x1): Interpolated grid: dx=1.500 mm,
 dy=1.500 mm

Reference Value = 72.32 V/m; Power Drift = -0.29 dB

Fast SAR: SAR(1 g) = 6.9 W/kg; SAR(10 g) = 4.81 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 8.27 W/kg

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

Reference Value = 72.32 V/m; Power Drift = -0.29 dB

Peak SAR (extrapolated) = 8.60 W/kg

SAR(1 g) = 7.09 W/kg; SAR(10 g) = 5.41 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.97 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) = 7.88 W/kg

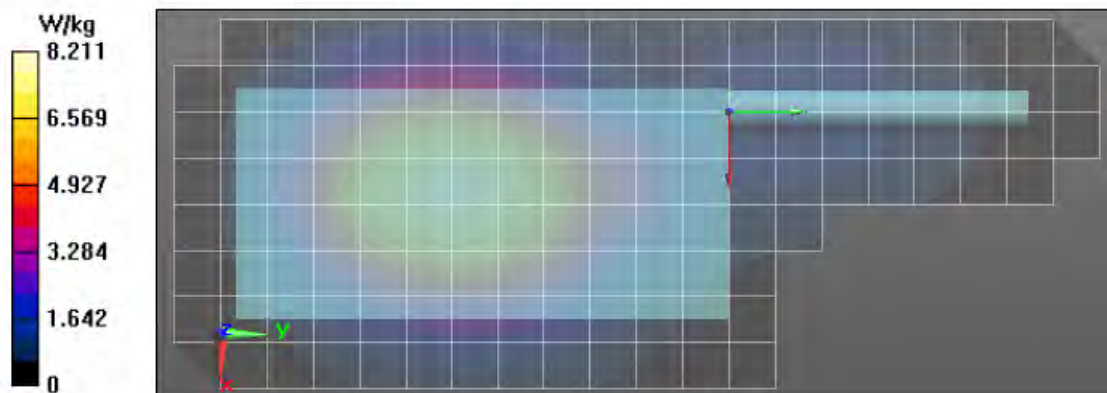


Table 67 - Assessment for ISED, Canada (Face); 7/800 MHz**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 12/21/2017 3:55:18 AM

Robot#: DASY5-PG-1 | Run#: ZR(AN)-FACE-171221-05
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1037
 Tissue Temp: 20.2 (C)
 Serial#: 673TTV1050
 Antenna: PMAF4040A
 Test Freq: 823.9875 (MHz)
 Battery: PMNN4485A
 Carry Acc: None Radio @ Back
 Audio Acc: None
 Start Power: 3.53 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 824 \text{ MHz}$; $\sigma = 0.93 \text{ S/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3735, Frequency: 823.987 MHz, ConvF(9.44, 9.44, 9.44); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Face Scan/1-Area Scan (101x321x1): Interpolated grid: $dx=1.500 \text{ mm}$,
 $dy=1.500 \text{ mm}$

Reference Value = 79.68 V/m; Power Drift = -0.21 dB

Fast SAR: SAR(1 g) = 4.92 W/kg; SAR(10 g) = 3.46 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 5.99 W/kg

Below 2 GHz-Rev.2/Face Scan/3-Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$,
 $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 79.68 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 6.15 W/kg

SAR(1 g) = 5.02 W/kg; SAR(10 g) = 3.77 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.74 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) = 5.68 W/kg

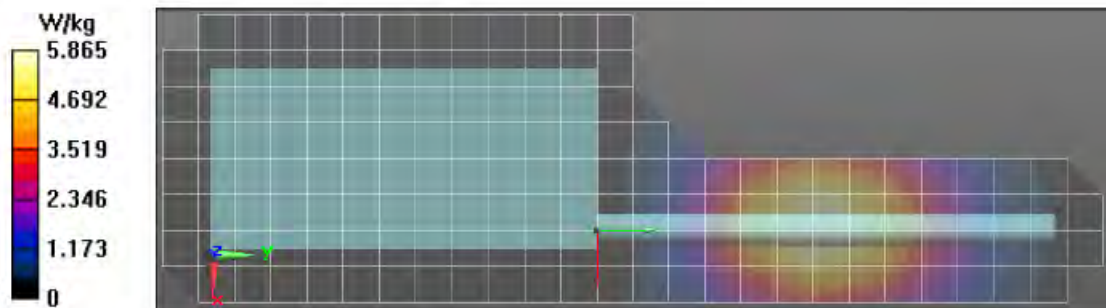


Table 68 - Assessment outside FCC and ISM frequency ranges (Body); VHF band**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 11/21/2017 1:11:39 AM

Robot#: DASY5-PG-1 | Run#: AZ-AB-171121-02#
 Model#: H91TGD9PW9AN
 Phantom#: ELI5 1150
 Tissue Temp: 20.6 (C)
 Serial#: 673TTV0848
 Antenna: KT000026A01
 Test Freq: 136.0000 (MHz)
 Battery: PMNN4485A
 Carry Acc: PMLN7901A
 Audio Acc: BT(None)
 Start Power: 6.60 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 136 \text{ MHz}$; $\sigma = 0.8 \text{ S/m}$; $\epsilon_r = 63.9$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3735, , Frequency: 136 MHz, ConvF(11.23, 11.23, 11.23); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (101x321x1): Interpolated grid: $dx=1.500 \text{ mm}$,
 $dy=1.500 \text{ mm}$

Reference Value = 55.12 V/m; Power Drift = -0.28 dB

Fast SAR: SAR(1 g) = 2.92 W/kg; SAR(10 g) = 2.13 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.51 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 = 55.12 V/m; Power Drift = -0.37 dB

Peak SAR (extrapolated) = 4.34 W/kg

SAR(1 g) = 2.67 W/kg; SAR(10 g) = 1.89 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.32 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) = 3.25 W/kg

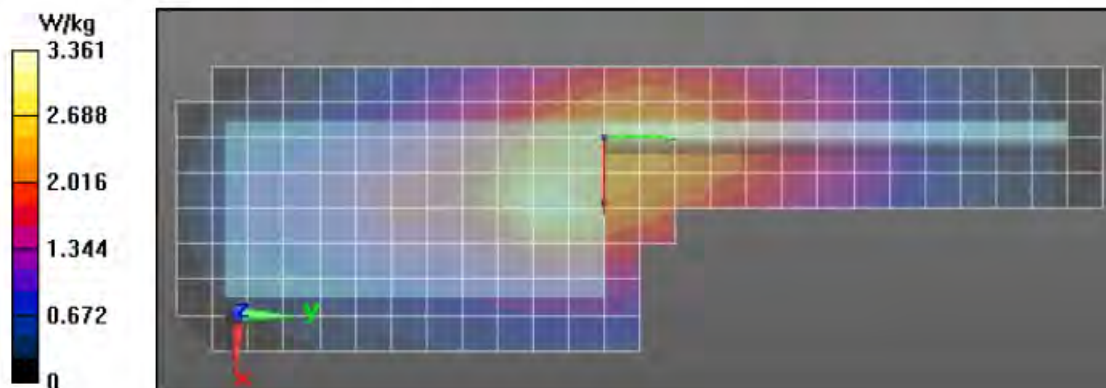


Table 68 - Assessment outside FCC and ISSED frequency ranges (Face); VHF band**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 11/22/2017 11:55:59 AM

Robot#: DASY5-PG-1 | Run#: ZR(AN)-FACE-171122-12
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1022
 Tissue Temp: 20.5 (C)
 Serial#: 673TTV1050
 Antenna: KT000026A01
 Test Freq: 136.000 (MHz)
 Battery: PMNN4485A
 Carry Acc: None Radio @ Back
 Audio Acc: None
 Start Power: 6.27 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 136 \text{ MHz}$; $\sigma = 0.72 \text{ S/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3735, Frequency: 136 MHz, ConvF(11.79, 11.79, 11.79); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Face Scan/1-Area Scan (101x321x1): Interpolated grid: $dx=1.500 \text{ mm}$,
 $dy=1.500 \text{ mm}$

Reference Value = 59.98 V/m; Power Drift = -0.17 dB

Fast SAR: SAR(1 g) = 2.47 W/kg; SAR(10 g) = 1.89 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.74 W/kg

Below 2 GHz-Rev.2/Face Scan/3-Zoom Scan (6x7x7)/Cube 0: Measurement grid: $dx=7.5 \text{ mm}$,
 $dy=7.5 \text{ mm}$, $dz=5 \text{ mm}$

Reference Value = 59.98 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 2.77 W/kg

SAR(1 g) = 2.33 W/kg; SAR(10 g) = 1.87 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.53 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) = 2.48 W/kg

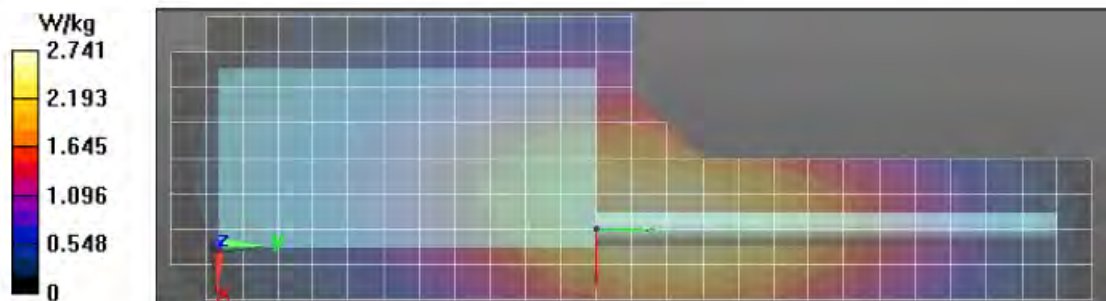


Table 69 - Assessment outside FCC and ISED frequency ranges (Body); UHF1 band**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 11/15/2017 6:32:39 PM

Robot#: DASY5-PG-1 | Run#: AZ-AB-171115-19
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1016
 Tissue Temp: 20.5 (C)
 Serial#: 673TTV0848
 Antenna: PMAS4001A
 Test Freq: 393.1000 (MHz)
 Battery: PMNN4547A
 Carry Acc: PMLN7901A
 Audio Acc: BT(None)
 Start Power: 5.53 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 393 \text{ MHz}$; $\sigma = 0.9 \text{ S/m}$; $\epsilon_r = 56.5$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3735, , Frequency: 393.1 MHz, ConvF(10.56, 10.56, 10.56); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (101x281x1): Interpolated grid: $dx=1.500 \text{ mm}$,
 $dy=1.500 \text{ mm}$

Reference Value = 86.92 V/m; Power Drift = -0.25 dB

Fast SAR: SAR(1 g) = 7.21 W/kg; SAR(10 g) = 5.25 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 8.40 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 = 86.92 V/m; Power Drift = -0.28 dB

Peak SAR (extrapolated) = 9.22 W/kg

SAR(1 g) = 7.1 W/kg; SAR(10 g) = 5.39 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.17 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) = 8.06 W/kg

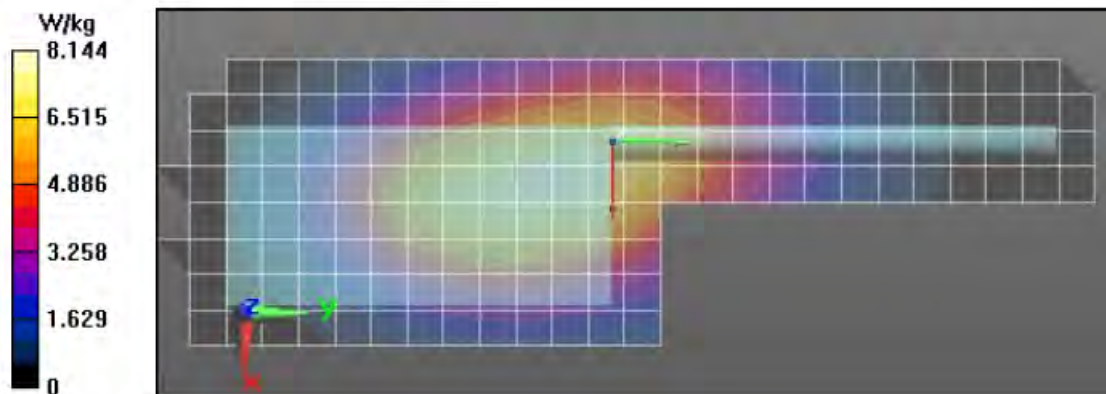


Table 69 - Assessment outside FCC and ISED frequency ranges (Face); UHF1 band**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 2/11/2018 10:53:58 AM

Robot#: DASY5-PG-3 | Run#: FD-FACE-180211-02
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1050
 Tissue Temp: 21.0 (C)
 Serial#: 673TTV0848
 Antenna: PMAE4065A
 Test Freq: 393.100 (MHz)
 Battery: PMNN4485A
 Carry Acc: None; Radio @ back
 Audio Acc: None
 Start Power: 5.55 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 393 \text{ MHz}$; $\sigma = 0.85 \text{ S/m}$; $\epsilon_r = 45.1$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3612, , Frequency: 393.1 MHz, ConvF(9.25, 9.25, 9.25); Calibrated: 5/17/2017
 Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

Below 2 GHz-Rev.2/FACE Scan/1-Area Scan (81x231x1): Interpolated grid: $dx=1.500 \text{ mm}$,
 $dy=1.500 \text{ mm}$

Reference Value = 93.27 V/m; Power Drift = -0.20 dB

Fast SAR: SAR(1 g) = 6.95 W/kg; SAR(10 g) = 5.11 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 8.02 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 = 93.27 V/m; Power Drift = -0.25 dB

Peak SAR (extrapolated) = 8.76 W/kg

SAR(1 g) = 6.79 W/kg; SAR(10 g) = 5.13 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.78 W/kg

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

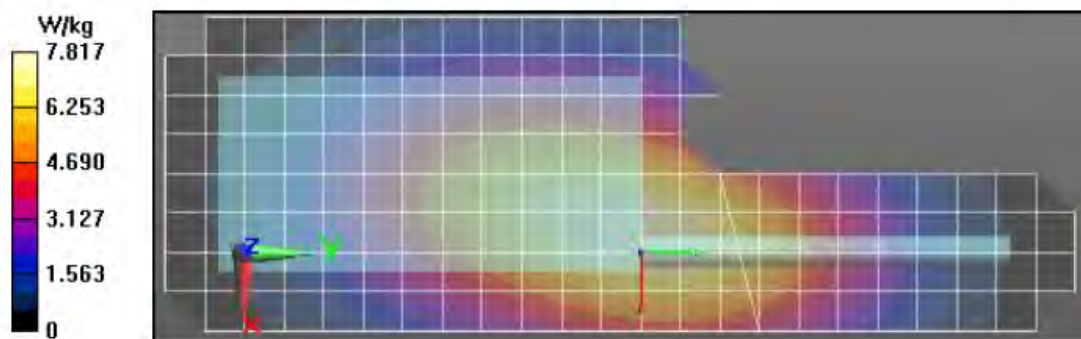


Table 70 - Assessment outside FCC and ISM frequency ranges (Body); UHF2 band**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 11/15/2017 1:25:08 PM

Robot#: DASY5-PG-1 | Run#: AZ-AB-171115-13
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1016
 Tissue Temp: 20.5 (C)
 Serial#: 673TTV0848
 Antenna: PMAE4065A
 Test Freq: 516.0000 (MHz)
 Battery: PMNN4547A
 Carry Acc: PMLN7901A
 Audio Acc: BT(None)
 Start Power: 5.55 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 516 \text{ MHz}$; $\sigma = 0.97 \text{ S/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3735, Frequency: 516 MHz, ConvF(10.56, 10.56, 10.56); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (101x281x1): Interpolated grid: $dx=1.500 \text{ mm}$,
 $dy=1.500 \text{ mm}$

Reference Value = 60.82 V/m; Power Drift = -0.51 dB

Fast SAR: SAR(1 g) = 4.73 W/kg; SAR(10 g) = 3.4 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 5.66 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 = 60.82 V/m; Power Drift = -0.60 dB

Peak SAR (extrapolated) = 5.57 W/kg

SAR(1 g) = 4.41 W/kg; SAR(10 g) = 3.37 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.07 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) = 4.94 W/kg

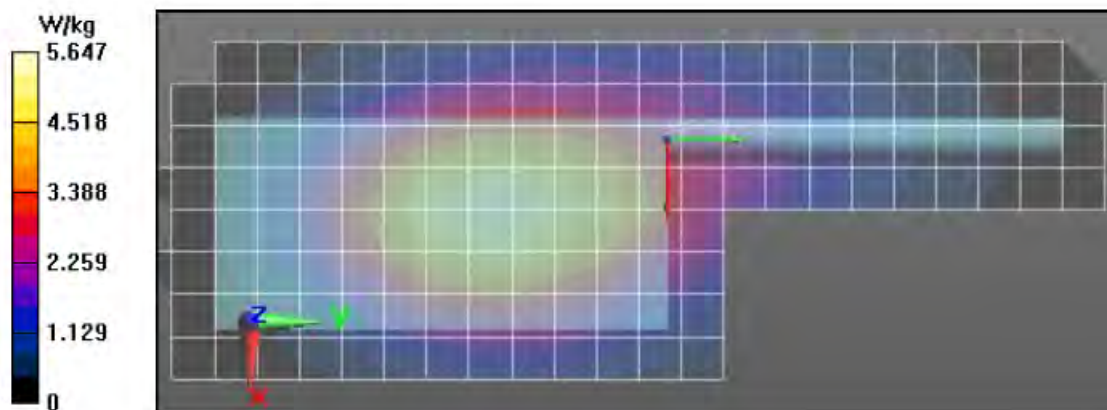


Table 70 - Assessment outside FCC and ISED frequency ranges (Face); UHF2 band**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 2/9/2018 1:38:32 AM

Robot#: DASY5-PG-3 | Run#: FD-FACE-180209-02#
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1050
 Tissue Temp: 20.2 (C)
 Serial#: 673TTV0848
 Antenna: PMAE4065A
 Test Freq: 516.000 (MHz)
 Battery: PMNN4485A
 Carry Acc: None, Radio @ Back
 Audio Acc: None
 Start Power: 5.50 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 516$ MHz; $\sigma = 0.91$ S/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN3612, , Frequency: 516 MHz, ConvF(9.25, 9.25, 9.25); Calibrated: 5/17/2017

Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

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

Reference Value = 62.95 V/m; Power Drift = -0.31 dB

Fast SAR: SAR(1 g) = 3.54 W/kg; SAR(10 g) = 2.59 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 4.21 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 = 62.95 V/m; Power Drift = -0.45 dB

Peak SAR (extrapolated) = 4.48 W/kg

SAR(1 g) = 3.4 W/kg; SAR(10 g) = 2.56 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.99 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) = 3.90 W/kg

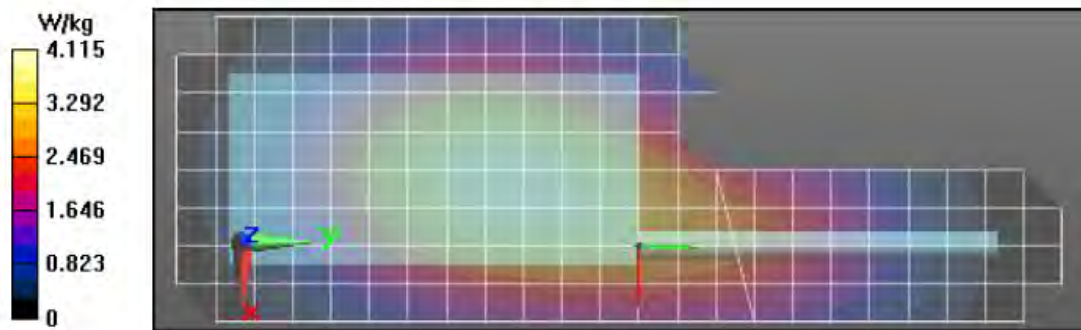


Table 71 - Assessment outside FCC Part 90 (Body); 7/800 band**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 12/20/2017 7:45:34 AM

Robot#: DASY5-PG-1 | Run#: AZ-AB-171220-05
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1028
 Tissue Temp: 20.9 (C)
 Serial#: 673TTV0848
 Antenna: NAR6595A
 Test Freq: 762.0000 (MHz)
 Battery: PMNN4485A
 Carry Acc: PMLN7901A
 Audio Acc: BT(None)
 Start Power: 2.99 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 762 \text{ MHz}$; $\sigma = 0.93 \text{ S/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3735, Frequency: 762 MHz, ConvF(9.52, 9.52, 9.52); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (101x321x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 67.79 V/m; Power Drift = -0.34 dB

Fast SAR: SAR(1 g) = 6.93 W/kg; SAR(10 g) = 4.79 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 8.28 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=7.5 \text{ mm}$, $dy=7.5 \text{ mm}$, $dz=5 \text{ mm}$

Reference Value = 67.79 V/m; Power Drift = -0.31 dB

Peak SAR (extrapolated) = 8.08 W/kg

SAR(1 g) = 7.02 W/kg; SAR(10 g) = 5.42 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.68 W/kg

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

Maximum value of SAR (measured) = 7.57 W/kg

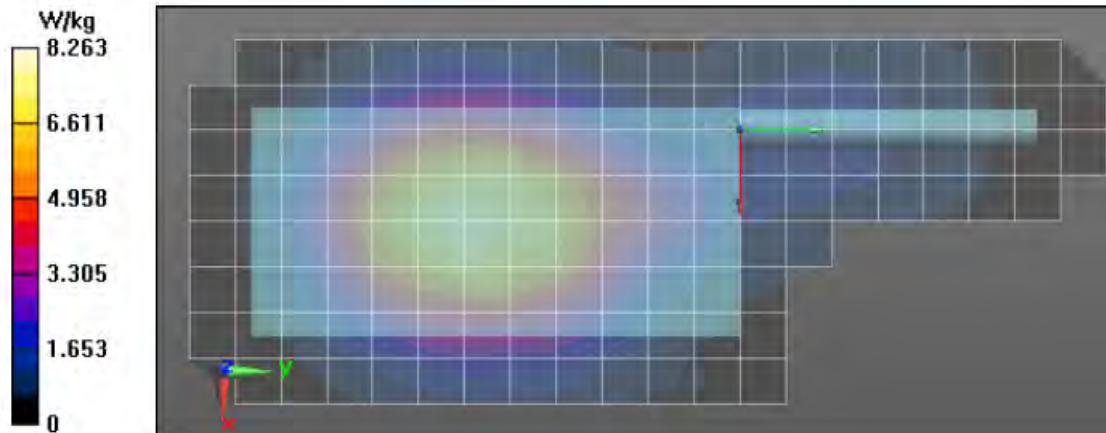


Table 71 - Assessment outside FCC and ISED frequency ranges (Face); 7/800 band**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 12/19/2017 11:11:01 AM

Robot#: DASY5-PG-1 | Run#: AZ(LH)-FACE-171219-10
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1037
 Tissue Temp: 19.4 (C)
 Serial#: 673TTV0848
 Antenna: NAR6595A
 Test Freq: 762.0000 (MHz)
 Battery: PMNN4485A
 Carry Acc: None Radio @ Front
 Audio Acc: None
 Start Power: 2.98 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 762 \text{ MHz}$; $\sigma = 0.87 \text{ S/m}$; $\epsilon_r = 43$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3735, , Frequency: 762 MHz, ConvF(9.82, 9.82, 9.82); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Face Scan/1-Area Scan (101x321x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 58.55 V/m; Power Drift = -0.29 dB

Fast SAR: SAR(1 g) = 4.03 W/kg; SAR(10 g) = 2.81 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 4.80 W/kg

Below 2 GHz-Rev.2/Face Scan/3-Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=7.5 \text{ mm}$, $dy=7.5 \text{ mm}$, $dz=5 \text{ mm}$

Reference Value = 58.55 V/m; Power Drift = -0.27 dB

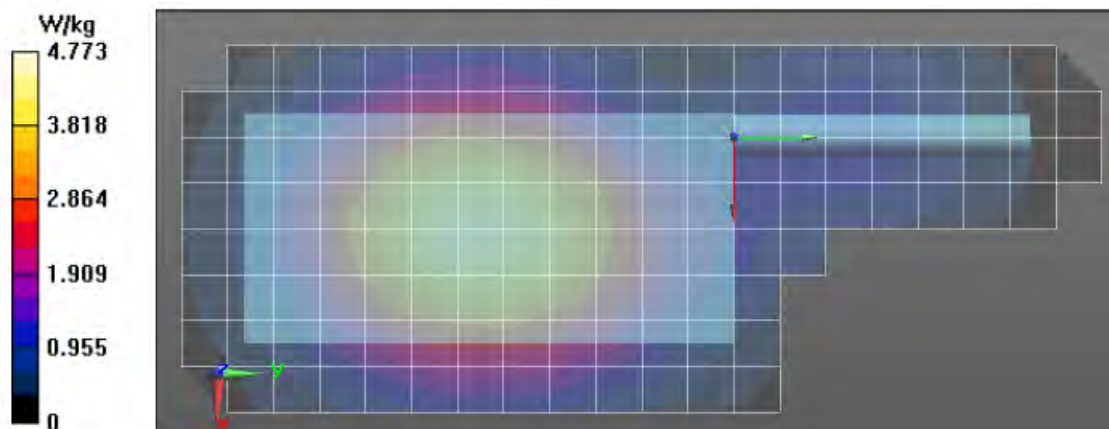
Peak SAR (extrapolated) = 4.71 W/kg

SAR(1 g) = 4.08 W/kg; SAR(10 g) = 3.16 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.46 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) = 4.39 W/kg



APPENDIX F

Shorten Scan of Highest SAR configuration

Table 72

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/20/2017 12:49:48 PM

Robot#: DASY5-PG-1 | Run#: TLC(AN)-AB-171120-05
 Model#: H91TGD9PW9AN
 Phantom#: ELI4 1016
 Tissue Temp: 20.9 (C)
 Serial#: 673TTV0848
 Antenna: KT000026A01
 Test Freq: 450.0000 (MHz)
 Battery: PMNN4547A
 Carry Acc: PMLN7901A
 Audio Acc: BT(None)
 Start Power: 5.56 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 450$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3735, Frequency: 450 MHz, ConvF(10.56, 10.56, 10.56); Calibrated: 3/10/2017
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (101x281x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 91.92 V/m; Power Drift = -0.25 dB

Fast SAR: SAR(1 g) = 8.35 W/kg; SAR(10 g) = 6.09 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 9.88 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 = 91.92 V/m; Power Drift = -0.24 dB

Peak SAR (extrapolated) = 10.3 W/kg

SAR(1 g) = 8.24 W/kg; SAR(10 g) = 6.38 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.36 W/kg

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

Maximum value of SAR (measured) = 9.29 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)	72	10	4.46
Full scan (area & zoom)	25	40	4.72

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