



CERTIFICATE 2518.05

DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 3 of 3

Motorola Solutions Inc.**EME Test Laboratory**

Motorola Solutions Malaysia Sdn Bhd

Plot 2A, Medan Bayan Lepas,

Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.

Date of Report: 09/06/2021**Report Revision:** F**Responsible Engineer:**

Saw Sun Hock (Senior EME Engineer)

Report Author:

Lee Kin Kting (Senior EME Technician)

Date/s Tested:6/25/2021 - 6/26/2021, 06/28/2021 - 6/29/2021, 07/04/2021, 07/17/2021,
8/22/2021 - 8/23/2021, 9/1/2021-9/2/2021**Manufacturer:**

Motorola Solutions Inc.

DUT Description:

Handheld Portable – Curve 1W 900 MHZ 10CH (BRUS/BRCAN)

Test TX mode(s):

ISM & WLAN

Max. Power output:

Refer Report 1 of 2 table 3

Nominal Power:

Refer Report 1 of 2 table 3

Tx Frequency Bands:

Refer Report 1 of 2 table 3

Signaling type:

FSK,DSSS, OFDM

Model(s) Tested:

DLR110NBHLAA(HVIN: DLR110NB1)(PMUF1982A)

Model(s) Certified:

DLR110NBHLAA(HVIN: DLR110NB1)(PMUF1982A)

DLR110NBHLAB(HVIN: DLR110NB2)(PMUF1981A)

Serial Number(s):

55017XJ0082, 55017XJ0060 & 55017XQ0008

Classification:

General Population/Uncontrolled

Applicant Name:

Motorola Solutions Inc.

Applicant Address:

8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322

FCC ID:

AZ489FT7146; ISM 902-928MHz, WLAN 2.4GHz and 5GHz

This report contains results that are immaterial for FCC equipment approval, which are clearly identified.

IC:

109U-89FT7146; ISM 902-928MHz, WLAN 2.4GHz and 5GHz

This report contains results that are immaterial for ISSED equipment approval, which are clearly identified

ISED Test Site registration:

24843

FCC Test Firm Registration**Number:**

823256

The test results clearly demonstrate compliance with FCC General Population/Uncontrolled RF Exposure limits of 1.6W/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 (no deviation from standard methods). 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.

Tey Pei Loo

Deputy Technical Manager (Approved Signatory)

Approval Date: 09/06/2021

Appendix D

System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/25/2021 5:32:09 PM

Robot#: DASY5-PG-2 | Run#: MA(MHI)-SYSP-835H-210625-08
 Dipole Model#: D835V2
 Phantom#: ELI4 1011
 Tissue Temp: 21.4 (C)
 Serial#: 4d030
 Test Freq: 835.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.094 dB
 Adjusted SAR (1W): 10.24 mW/g (1g)

Comments:

Communication System Band: Dipole 835, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 835$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 41.2$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 835 MHz, ConvF(9.98, 9.98, 9.98) @ 835 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x141x1):

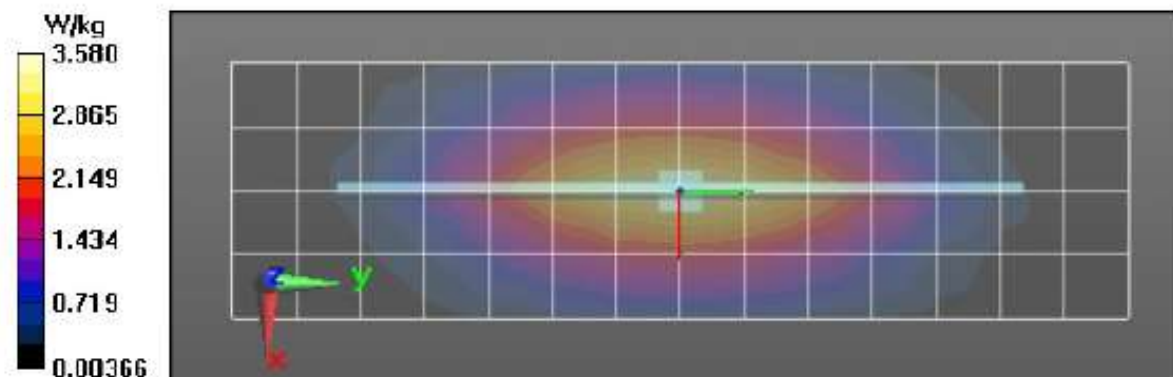
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 64.43 V/m; Power Drift = 0.00 dB
 Fast SAR: SAR(1 g) = 2.69 W/kg; SAR(10 g) = 1.76 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 3.58 W/kg

Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 Reference Value = 64.43 V/m; Power Drift = 0.00 dB
 Peak SAR (extrapolated) = 4.02 W/kg
 SAR(1 g) = 2.56 W/kg; SAR(10 g) = 1.67 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
 Ratio of SAR at M2 to SAR at M1 = 65.1%
 Maximum value of SAR (measured) = 3.55 W/kg

Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement

grid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 Maximum value of SAR (measured) = 3.56 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/28/2021 12:33:34 PM

Robot#: DASY5-xx-x | Run#: MA(MFR)-SYSP-2450H-210628-02
 Dipole Model#: D2450V2
 Phantom#: ELI4 1028
 Tissue Temp: 20.50 (C)
 Serial#: 703
 Test Freq: 2450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.078 dB
 Adjusted SAR (1W): 55.60 mW/g (1g)

Comments:

Communication System Band: Dipole 2450, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.89$ S/m; $\epsilon_r = 35.8$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 2450 MHz, ConvF(7.63, 7.63, 7.63) @ 2450 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (51x101x1): Interpolated

grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 118.4 V/m; Power Drift = 0.05 dB

Fast SAR: SAR(1 g) = 14.6 W/kg; SAR(10 g) = 6.9 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 24.8 W/kg

2-3 GHz-Rev.3/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement

grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 118.4 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 31.0 W/kg

SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.45 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 9 mm

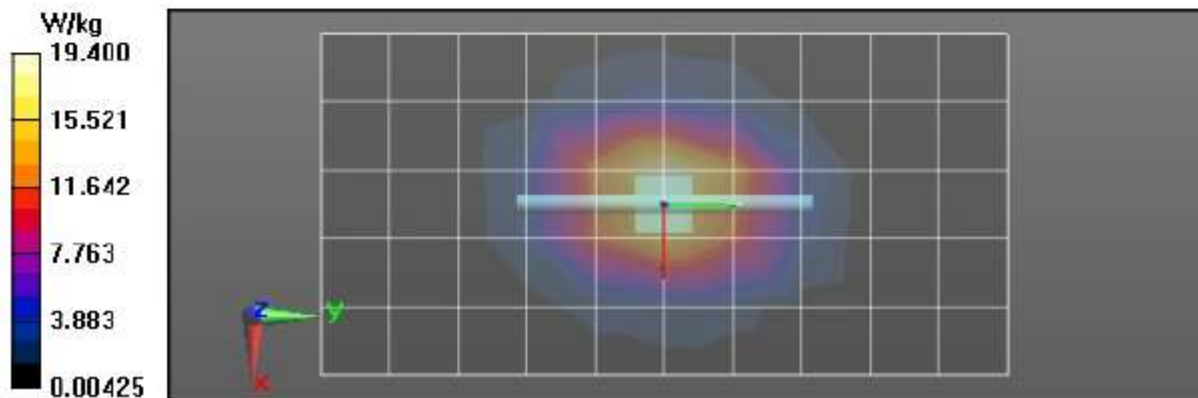
Ratio of SAR at M2 to SAR at M1 = 46.7%

Maximum value of SAR (measured) = 24.9 W/kg

2-3 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:

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

Maximum value of SAR (measured) = 25.0 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/29/2021 1:31:07 AM

Robot#: DASY5-PG-2 | Run#: AR(SAN)-SYSP-900H-210629-01#
 Dipole Model# D900V2
 Phantom#: ELI4 1090
 Tissue Temp: 21.3 (C)
 Serial#: 085
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.087 dB
 Adjusted SAR (1W): 10.76 mW/g (1g)

Comments:

Communication System Band: Dipole 900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 900$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 900 MHz, ConvF(9.86, 9.86, 9.86) @ 900 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x141x1):

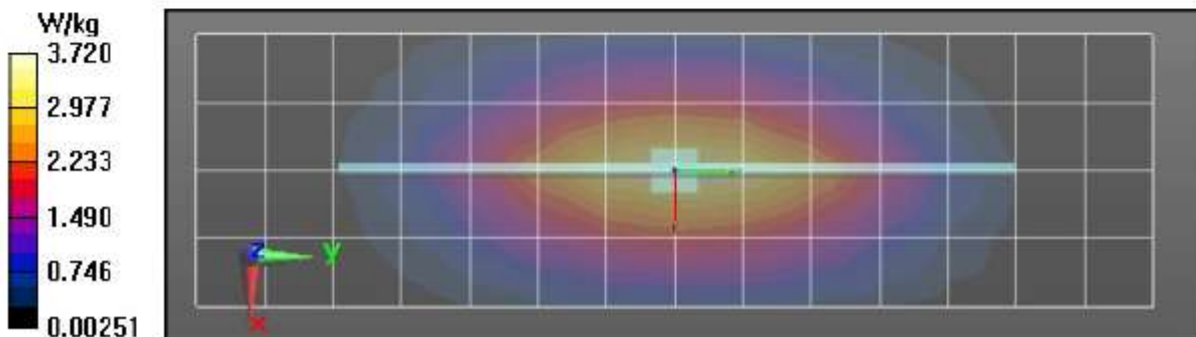
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 64.22 V/m; Power Drift = -0.03 dB
 Fast SAR: SAR(1 g) = 2.81 W/kg; SAR(10 g) = 1.82 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 3.73 W/kg

Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 Reference Value = 64.22 V/m; Power Drift = -0.03 dB
 Peak SAR (extrapolated) = 4.25 W/kg
 SAR(1 g) = 2.69 W/kg; SAR(10 g) = 1.73 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 18.3 mm
 Ratio of SAR at M2 to SAR at M1 = 64%
 Maximum value of SAR (measured) = 3.74 W/kg

Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement

grid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 Maximum value of SAR (measured) = 3.75 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/3/2021 8:57:43 PM

Robot#: DASY5-PG-2 | Run#: BL(SAN)-SYSP-5750H-210703-01
 Dipole Model#: D5GHzV2
 Phantom#: ELI5 1150
 Tissue Temp: 20.5 (C)
 Serial#: 1027
 Test Freq: 5750.0000 (MHz)
 Start Power: 100 (mW)
 Rotation (1D): 0.100 dB
 Adjusted SAR (1W): 74.70 mW/g (1g)

Comments:

Communication System Band: Dipole 5000, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 5750$ MHz; $\sigma = 4.84$ S/m; $\epsilon_r = 36.8$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 5750 MHz, ConvF(4.88, 4.88, 4.88) @ 5750 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

4-6 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated grid:

dx=0.9000 mm, dy=0.9000 mm

Reference Value = 69.76 V/m; Power Drift = -0.26 dB

Fast SAR: SAR(1 g) = 7.01 W/kg; SAR(10 g) = 1.92 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 19.1 W/kg

4-6 GHz-Rev.5/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement

grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 69.76 V/m; Power Drift = -0.26 dB

Peak SAR (extrapolated) = 31.7 W/kg

SAR(1 g) = 7.47 W/kg; SAR(10 g) = 2.14 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 7.5 mm

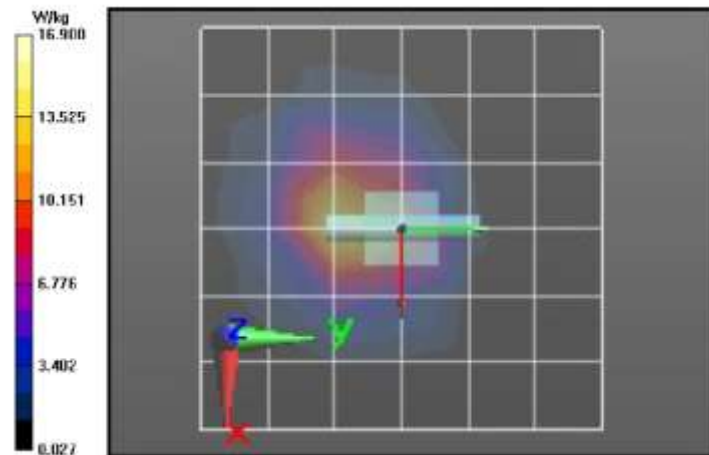
Ratio of SAR at M2 to SAR at M1 = 52.9%

Maximum value of SAR (measured) = 17.7 W/kg

4-6 GHz-Rev.5/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:

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

Maximum value of SAR (measured) = 18.2 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/17/2021 2:28:09 AM

Robot#: DASY5-PG-2 | Run#: MFR-SYSP-5750H-210717-02#

Dipole Model#: D5GHzV2

Phantom#: ELI5 1150

Tissue Temp: 22.7 (C)

Serial#: 1027

Test Freq: 5750.0000 (MHz)

Start Power: 100 (mW)

Rotation (1D): 84.10 dB

Adjusted SAR (1W): 0.12 mW/g (1g)

Comments:

Communication System Band: Dipole 5000, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 5750$ MHz; $\sigma = 4.74$ S/m; $\epsilon_r = 37.4$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 5750 MHz, ConvF(4.88, 4.88, 4.88) @ 5750 MHz

Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

4-6 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated grid:

dx=0.9000 mm, dy=0.9000 mm

Reference Value = 74.26 V/m; Power Drift = -0.12 dB

Fast SAR: SAR(1 g) = 7.74 W/kg; SAR(10 g) = 2.11 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 21.3 W/kg

4-6 GHz-Rev.5/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement

grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 74.26 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 35.5 W/kg

SAR(1 g) = 8.41 W/kg; SAR(10 g) = 2.42 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 7.4 mm

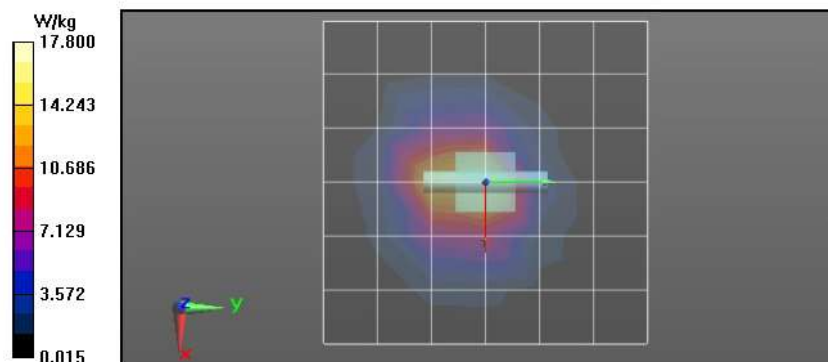
Ratio of SAR at M2 to SAR at M1 = 53%

Maximum value of SAR (measured) = 19.7 W/kg

4-6 GHz-Rev.5/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:

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

Maximum value of SAR (measured) = 20.9 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/22/2021 10:49:51 PM

Robot#: DASY5-PG-3 | Run#: AR-SYSP-2450H-210822-02
 Dipole Model#: D2450V2
 Phantom#: ELI4 1028
 Tissue Temp: 19.0 (C)
 Serial#: 703
 Test Freq: 2450 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.081 dB
 Adjusted SAR (1W): 56.00 mW/g (1g)

Comments:

Communication System Band: Dipole 2450, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ S/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 2450 MHz, ConvF(7.83, 7.83, 7.83) @ 2450 MHz
 Electronics: DAE3 Sn374, Calibrated: 4/8/2021

2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (51x101x1): Interpolated

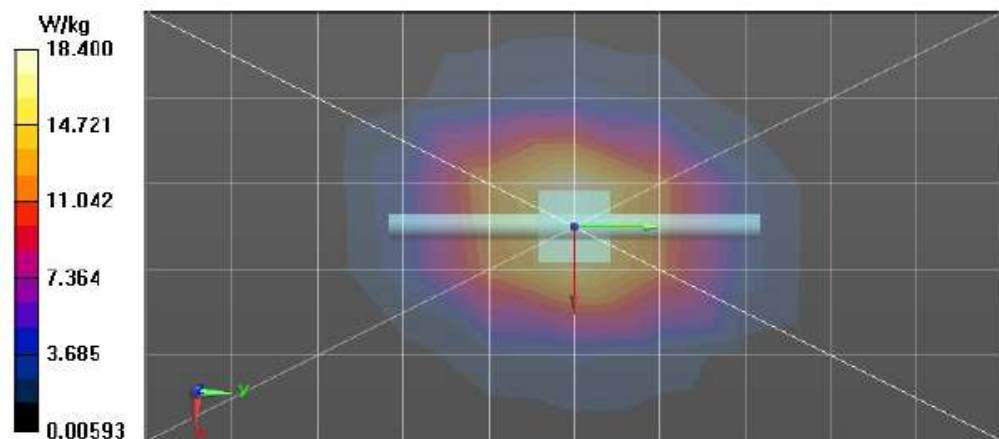
grid: $dx=1.200$ mm, $dy=1.200$ mm
 Reference Value = 117.4 V/m; Power Drift = -0.04 dB
 Fast SAR: SAR(1 g) = 14.8 W/kg; SAR(10 g) = 6.97 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 24.9 W/kg

2-3 GHz-Rev.3/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement

grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
 Reference Value = 117.4 V/m; Power Drift = -0.04 dB
 Peak SAR (extrapolated) = 30.1 W/kg
 SAR(1 g) = 14 W/kg; SAR(10 g) = 6.47 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 9 mm
 Ratio of SAR at M2 to SAR at M1 = 47.1%
 Maximum value of SAR (measured) = 24.2 W/kg

2-3 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:

$dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 Maximum value of SAR (measured) = 24.2 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/1/2021 9:02:57 PM

Robot#: DASY5-PG-1 | Run#: FZ-SYSP-2450H-210901-05
 Phantom#: ELI4 1028
 Tissue Temp: 20.1 (C)
 Serial#: 703
 Test Freq: 2450 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.065 dB
 Adjusted SAR (1W): 56.00 mW/g (1g)

Comments:

Communication System Band: D2450, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.89$ S/m; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 2450 MHz, ConvF(7.69, 7.69, 7.69) @ 2450 MHz
 Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (51x71x1): Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Reference Value = 118.6 V/m; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 15.5 W/kg; SAR(10 g) = 7.26 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 26.4 W/kg

2-3 GHz-Rev.3/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement

grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 118.6 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 31.8 W/kg

SAR(1 g) = 14 W/kg; SAR(10 g) = 6.34 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 9.8 mm

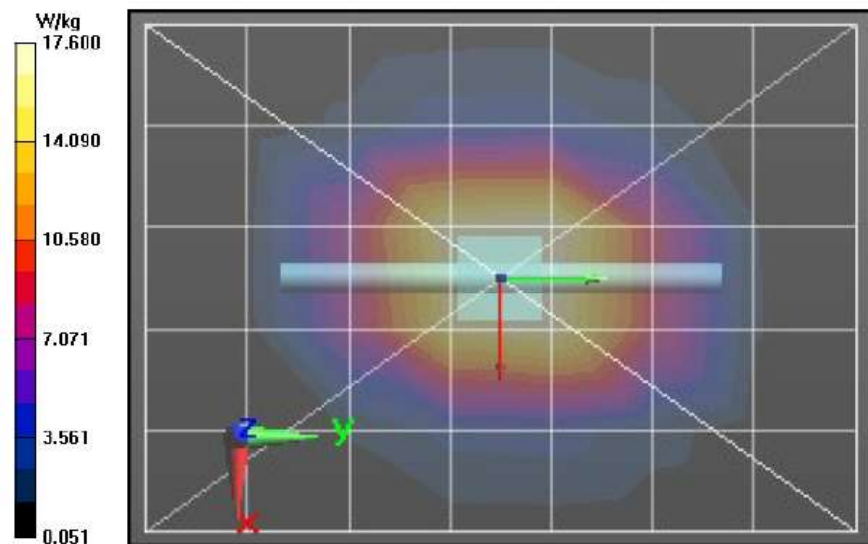
Ratio of SAR at M2 to SAR at M1 = 43.8%

Maximum value of SAR (measured) = 24.9 W/kg

2-3 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:

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

Maximum value of SAR (measured) = 25.1 W/kg



Appendix E

DUT Scans

ISM band assessments at the Body - Table 18

Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/25/2021 11:33:57 PM

Robot#: DASY5-PG-2 | Run#: BL(AF)-AB-210625-16
 Model#: PMUF1982A
 Phantom#: ELI4 1011
 Tissue Temp: 21.3 (C)
 Serial#: 55017XJ0082
 Antenna: Fixed antenna
 Test Freq: 927.9875 (MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN8293A
 Audio Acc: PMLN8311A
 Start Power: 0.884 (W)

Comments:

Communication System Band: Biz Lite DLRX, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 928 \text{ MHz}$; $\sigma = 1.03 \text{ S/m}$; $\epsilon_r = 40$; $\rho = 1000 \text{ kg/m}^3$

Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 927.988 MHz, ConvF(9.86, 9.86, 9.86) @ 927.988 MHz

Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 44.86 V/m; Power Drift = -0.25 dB

Fast SAR: SAR(1 g) = 1.79 W/kg; SAR(10 g) = 1.22 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.29 W/kg

Below 2 GHz-Rev.3/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 = 44.86 V/m; Power Drift = -0.34 dB

Peak SAR (extrapolated) = 2.45 W/kg

SAR(1 g) = 1.75 W/kg; SAR(10 g) = 1.22 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

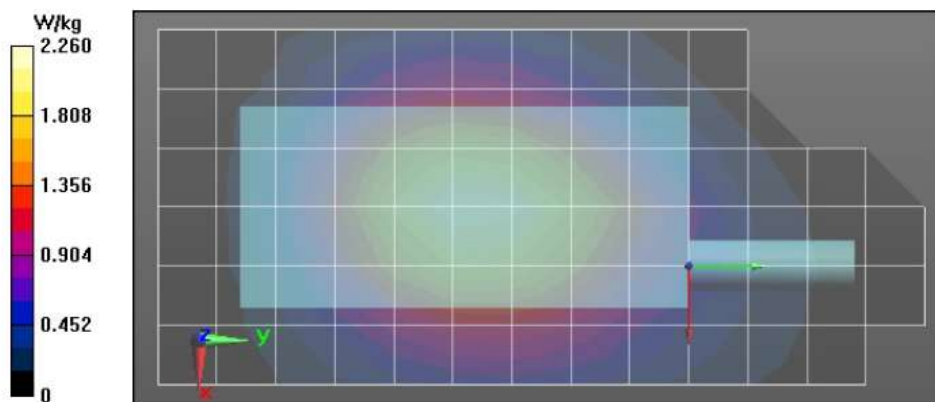
Ratio of SAR at M2 to SAR at M1 = 71%

Maximum value of SAR (measured) = 2.22 W/kg

Below 2 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$,

$dz=10\text{mm}$

Maximum value of SAR (measured) = 2.19 W/kg



802.11b (2.4GHz) band assessments at the Body - Table 21**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 9/2/2021 12:31:17 AM

Robot#: DASY5-PG-1 | Run#: FZ-AB-210902-01#
 Model#: PMUF1982A
 Phantom#: ELI4 1028
 Tissue Temp: 19.3 (C)
 Serial#: 55017XQ0008
 Antenna: 2.4 GHz Wifi Antenna
 Test Freq: 2462.0000 (MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN8293A
 Audio Acc: None
 Start Power: 0.0442 (W)

Comments:

Communication System Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz), Communication System UID: 10415 - AAA, Duty Cycle: 1:1.4243,

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.9$ S/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 2462 MHz, ConvF(7.69, 7.69, 7.69) @ 2462 MHz

Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

2-3 GHz-Rev.3/Ab Scan/1-Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 8.285 V/m; Power Drift = -0.32 dB

Fast SAR: SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.045 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.130 W/kg

2-3 GHz-Rev.3/Ab Scan/3-Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.285 V/m; Power Drift = -0.31 dB

Peak SAR (extrapolated) = 0.172 W/kg

SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.042 W/kg (SAR corrected for target medium)

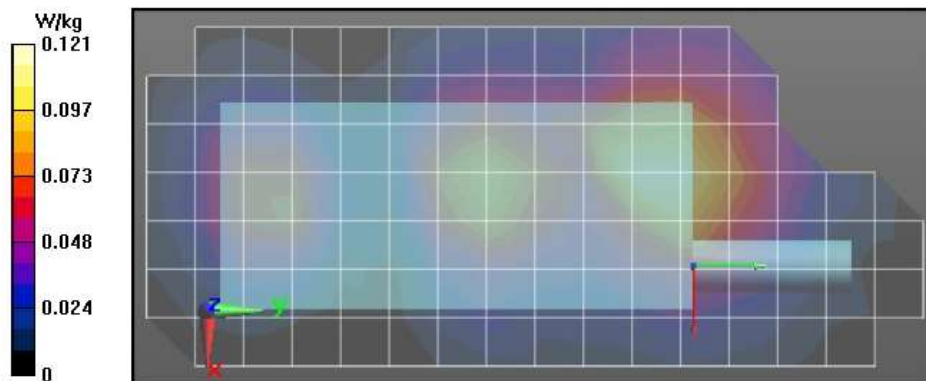
Smallest distance from peaks to all points 3 dB below = 11.4 mm

Ratio of SAR at M2 to SAR at M1 = 45.5%

Maximum value of SAR (measured) = 0.131 W/kg

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

Maximum value of SAR (measured) = 0.127 W/kg



802.11a (5GHz) band assessments at the Body - Table 23**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 7/4/2021 2:46:50 AM

Robot#: DASY5-PG-2 | Run#: BL(SAN)-AB-210704-03#
 Model#: PMUF1982A
 Phantom#: ELI5 1150
 Tissue Temp: 21.5 (C)
 Serial#: 55017XJ0082
 Antenna: 5.0 GHz Wifi Antenna
 Test Freq: 5745.0000 (MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN8293A
 Audio Acc: None
 Start Power: 0.020 (W)

Comments: Full Scan

Communication System Band: U-NII-3 Standalone (5735 - 5835 MHz), Communication System UID: 10417 - AAB, Duty Cycle: 1:6.64967,

Medium parameters used: $f = 5745$ MHz; $\sigma = 4.83$ S/m; $\epsilon_r = 36.8$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 5745 MHz, ConvF(4.88, 4.88, 4.88) @ 5745 MHz

Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

4-6 GHz-Rev.5/Full Ab Scan/1-Area Scan (91x201x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 3.363 V/m; Power Drift = 0.43 dB

Fast SAR: SAR(1 g) = 0.086 W/kg; SAR(10 g) = 0.029 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.223 W/kg

4-6 GHz-Rev.5/Full Ab Scan/2-Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.363 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.341 W/kg

SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.032 W/kg (SAR corrected for target medium)

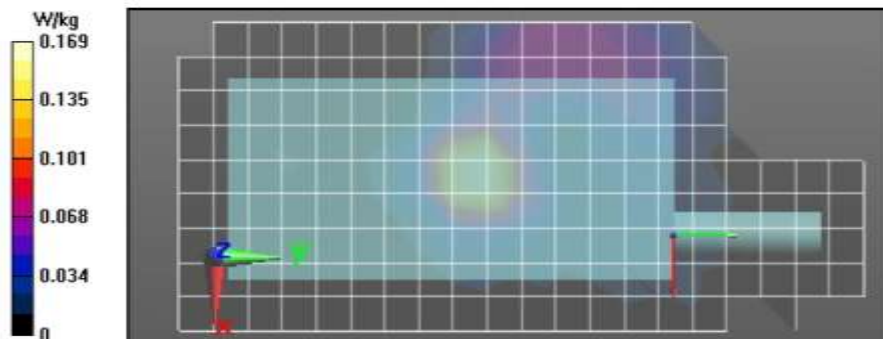
Smallest distance from peaks to all points 3 dB below = 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 54.6%

Maximum value of SAR (measured) = 0.205 W/kg

4-6 GHz-Rev.5/Full Ab Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.195 W/kg



ISM band assessments at the Face - Table 19

Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/26/2021 3:15:29 AM

Robot#: DASY5-PG-2 | Run#: BL(AF)-FACE-210626-07#
 Model#: PMUF1982A
 Phantom#: ELI4 1011
 Tissue Temp: 21.8 (C)
 Serial#: 55017XJ0060
 Antenna: Fixed antenna
 Test Freq: 902.0125 (MHz)
 Battery: PMNN4578A
 Carry Acc: @ front
 Audio Acc: N/A
 Start Power: 0.900 (W)

Comments:

Communication System Band: Biz Lite DLRX, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 902 \text{ MHz}$; $\sigma = 1 \text{ S/m}$; $\epsilon_r = 40.4$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 902.013 MHz, ConvF(9.86, 9.86, 9.86) @ 902.013 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 46.31 V/m; Power Drift = -0.31 dB

Fast SAR: SAR(1 g) = 1.69 W/kg; SAR(10 g) = 1.17 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.15 W/kg

Below 2 GHz-Rev.3/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 = 46.31 V/m; Power Drift = -0.40 dB

Peak SAR (extrapolated) = 2.29 W/kg

SAR(1 g) = 1.65 W/kg; SAR(10 g) = 1.18 W/kg (SAR corrected for target medium)

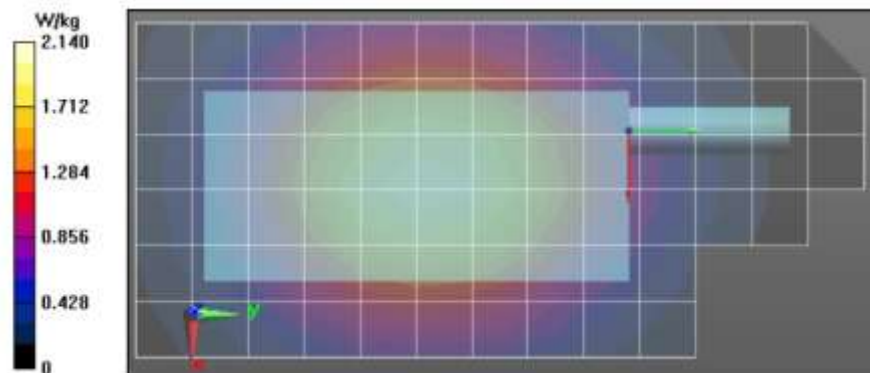
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 71.8%

Maximum value of SAR (measured) = 2.08 W/kg

Below 2 GHz-Rev.3/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) = 2.06 W/kg



Assessment for ISED, Canada

ISM band assessments at the Body - Table 24

Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/26/2021 1:57:52 AM

Robot#: DASY5-PG-2 | Run#: BL(AF)-AB-210626-04#
 Model#: PMUF1982A
 Phantom#: ELI4 1011
 Tissue Temp: 21.7 (C)
 Serial#: 55017XJ0082
 Antenna: Fixed antenna
 Test Freq: 902.0125 (MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN8293A
 Audio Acc: PMLN8311A
 Start Power: 0.900 (W)

Comments:

Communication System Band: Biz Lite DLRX, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 902 \text{ MHz}$; $\sigma = 1 \text{ S/m}$; $\epsilon_r = 40.4$; $\rho = 1000 \text{ kg/m}^3$

Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 902.013 MHz, ConvF(9.86, 9.86, 9.86) @ 902.013 MHz

Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 46.96 V/m; Power Drift = -0.28 dB

Fast SAR: SAR(1 g) = 1.97 W/kg; SAR(10 g) = 1.34 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.52 W/kg

Below 2 GHz-Rev.3/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 = 46.96 V/m; Power Drift = -0.37 dB

Peak SAR (extrapolated) = 2.67 W/kg

SAR(1 g) = 1.93 W/kg; SAR(10 g) = 1.35 W/kg (SAR corrected for target medium)

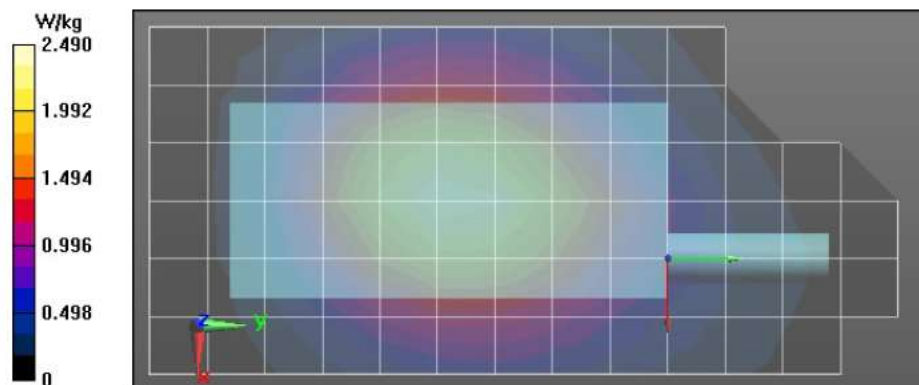
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 72.1%

Maximum value of SAR (measured) = 2.43 W/kg

Below 2 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$

Maximum value of SAR (measured) = 2.41 W/kg



802.11b (2.4GHz) band assessments at the Body - Table 24**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 9/2/2021 12:31:17 AM

Robot#: DASY5-PG-1 | Run#: FZ-AB-210902-01#
 Model#: PMUF1982A
 Phantom#: ELI4 1028
 Tissue Temp: 19.3 (C)
 Serial#: 55017XQ0008
 Antenna: 2.4 GHz Wifi Antenna
 Test Freq: 2462.0000 (MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN8293A
 Audio Acc: None
 Start Power: 0.0442 (W)

Comments:

Communication System Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz), Communication System UID: 10415 - AAA, Duty Cycle: 1:1.4243,

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.9$ S/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 2462 MHz, ConvF(7.69, 7.69, 7.69) @ 2462 MHz

Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

2-3 GHz-Rev.3/Ab Scan/1-Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 8.285 V/m; Power Drift = -0.32 dB

Fast SAR: SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.045 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.130 W/kg

2-3 GHz-Rev.3/Ab Scan/3-Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.285 V/m; Power Drift = -0.31 dB

Peak SAR (extrapolated) = 0.172 W/kg

SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.042 W/kg (SAR corrected for target medium)

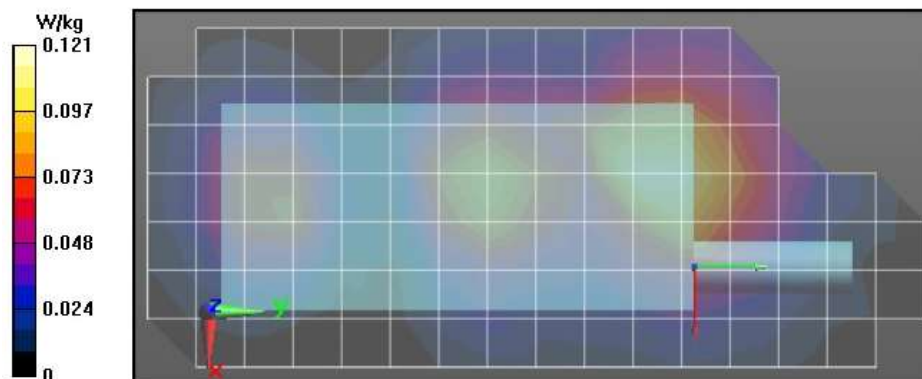
Smallest distance from peaks to all points 3 dB below = 11.4 mm

Ratio of SAR at M2 to SAR at M1 = 45.5%

Maximum value of SAR (measured) = 0.131 W/kg

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

Maximum value of SAR (measured) = 0.127 W/kg



802.11a (5GHz) band assessments at the Body - Table 24**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 7/4/2021 4:00:51 AM

Robot#: DASY5-PG-2 | Run#: BL(SAN)-AB-210704-04#
 Model#: PMUF1982A
 Phantom#: ELI5 1150
 Tissue Temp: 21.6 (C)
 Serial#: 55017XJ0082
 Antenna: 5.0 GHz Wifi Antenna
 Test Freq: 5785.0000 (MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN8392A
 Audio Acc: None
 Start Power: 0.019 (W)

Comments: Full Scan

Duty Cycle: 1:6.64967, Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 4.87 \text{ S/m}$; $\epsilon_r = 36.8$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 5785 MHz, ConvF(4.88, 4.88, 4.88) @ 5785 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

4-6 GHz-Rev.5/Full Ab Scan/1-Area Scan (91x201x1): Interpolated grid: $dx=0.9000 \text{ mm}$, $dy=0.9000 \text{ mm}$

Reference Value = 3.748 V/m; Power Drift = -0.38 dB

Fast SAR: SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.036 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.277 W/kg

4-6 GHz-Rev.5/Full Ab Scan/2-Zoom Scan (8x8x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 3.748 V/m; Power Drift = -0.40 dB

Peak SAR (extrapolated) = 0.413 W/kg

SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.039 W/kg (SAR corrected for target medium)

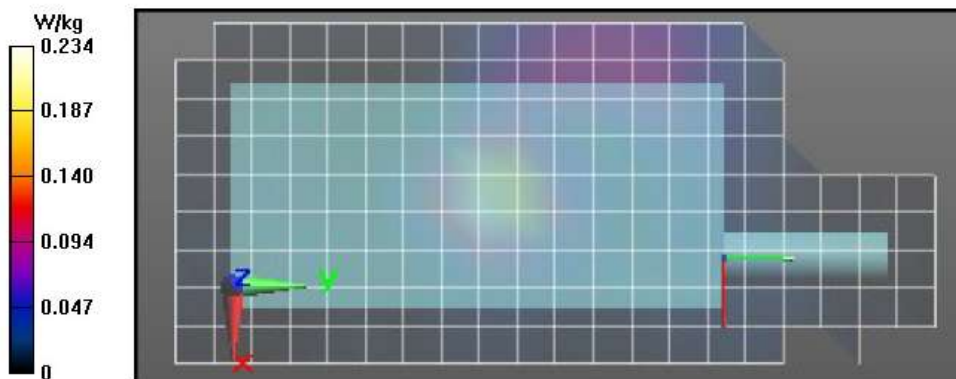
Smallest distance from peaks to all points 3 dB below = 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 51.6%

Maximum value of SAR (measured) = 0.243 W/kg

4-6 GHz-Rev.5/Full Ab Scan/3-Z-Axis Scan (1x1x17): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$

Maximum value of SAR (measured) = 0.245 W/kg



APPENDIX F

Shortened Scan of Highest SAR configuration

Shortened Scan Table 26

Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/26/2021 3:42:03 AM

Robot#: DASY5-PG-2 | Run#: BL(AF)-AB-210626-08#

Model#: PMUF1982A
Phantom#: ELI4 1011
Tissue Temp: 21.8 (C)
Serial#: 55017XJ0082
Antenna: Fixed antenna
Test Freq: 902.0125 (MHz)
Battery: PMNN4578A
Carry Acc: PMLN8392A
Audio Acc: PMLN8311A
Start Power: 0.900 (W)

Comments:

Communication System Band: Biz Lite DLRX, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 902$ MHz; $\sigma = 1$ S/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 902.013 MHz, ConvF(9.86, 9.86, 9.86) @ 902.013 MHz

Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 45.22 V/m; Power Drift = -0.24 dB

Fast SAR: SAR(1 g) = 1.63 W/kg; SAR(10 g) = 1.12 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.09 W/kg

Below 2 GHz-Rev.3/Ab Scan/2-Volume 2D Scan (41x41x1): Interpolated grid: dx=0.7500 mm,

dy=0.7500 mm, dz=1.000 mm

Reference Value = 45.22 V/m; Power Drift = -0.29 dB

Fast SAR: SAR(1 g) = 1.62 W/kg; SAR(10 g) = 1.13 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.03 W/kg

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

dy=7.5mm, dz=5mm

Reference Value = 51.47 V/m; Power Drift = -0.23 dB

Peak SAR (extrapolated) = 2.59 W/kg

SAR(1 g) = 1.86 W/kg; SAR(10 g) = 1.31 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

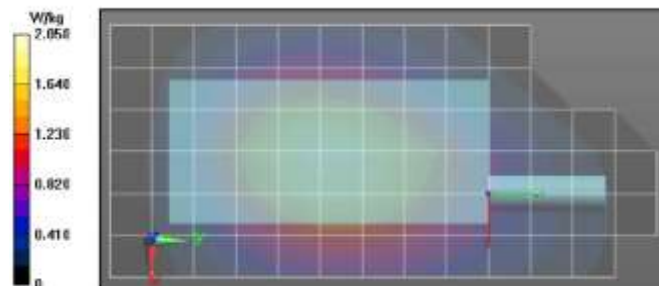
Ratio of SAR at M2 to SAR at M1 = 71.7%

Maximum value of SAR (measured) = 2.34 W/kg

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

dz=10mm

Maximum value of SAR (measured) = 2.00 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)	26	7	1.09
Full scan (area & zoom)	24	20	1.17

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