



DECLARATION OF COMPLIANCE SAR ASSESSMENT PCII Report Part 2 of 2

**Motorola Solutions Inc.
EME Test Laboratory**

Motorola Solutions Malaysia Sdn Bhd
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Date of Report: 5/4/2021
Report Revision: A

Responsible Engineer: Saw Sun Hock (EME Engineer)
Report Author: Saw Sun Hock (EME Engineer)
Date/s Tested: 1/27/2021-1/29/2021, 2/14/2021, 3/1/2021-3/21/2021, 3/27/2021, 4/10/2021-4/13/2021, 4/18/2021-4/19/2021, 5/1/2021
Manufacturer: Motorola Solutions Inc.
DUT Description: LEX L11 Public Safety Handheld with LTE and 5GHz WiFi
Test TX mode(s): LTE, GSM/GPRS, UMTS, WLAN, BT and BT LE
Max. Power output: Refer to Table 2
Nominal Power: Refer to Table 2
Tx Frequency Bands: LTE: FDD B2, B4, B5, B7, B12, B14, B30, B66, B25, B13, B26 and TDD B41; GPRS/EGPRS: 850 and 1900; WCDMA B2, B4 and B5; WLAN : 2.4 GHz and 5GHz; BT & BT LE: 2.4 GHz; NFC
Signaling type: TDMA, QPSK, 16 QAM, SC-FDMA, DSSS, OFDM & FHSS
Model(s) Tested: HKUN4112B (LEX L11n)
Model(s) Certified: HKUN4112B (LEX L11n), HKUN4115B (LEX L11n)
Serial Number(s): 790TWX2961 & 790TWX2955
Classification: Occupational/Controlled
Applicant Name: Motorola Solutions Inc.
Applicant Address: 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322
FCC ID: AZ489FT7104; LTE: FDD B2, B4, B5, B7, B12, B14, B30, B66, B25, B13, B26 and TDD B41; GSM: 850 and 1900; WCDMA B2, B4 and B5; WLAN : 2.4 GHz and 5GHz; BT & BT LE: 2.4 GHz; NFC
This report contains results that are immaterial for FCC equipment approval, which are clearly identified.
IC: 109U-89FT7104
This report contains results that are immaterial for ISED 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 Occupational/Controlled RF Exposure limits of 1.6 W/kg averaged over 1 gram per the requirements of FCC 47 CFR § 2.1093 and 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.

Saw Sun Hock
(Approved Signatory)
Approval Date:

Appendix D

System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/15/2021 9:46:27 AM

Robot#: DASY5-PG-1 | Run#: ZZ(MHI)-SYSP-835H-210315-06
 Dipole Model#: D835V2
 Phantom#: ELI4 1011
 Tissue Temp: 20.5 (C)
 Serial#: 4d030
 Test Freq: 835.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.057 dB
 Adjusted SAR (1W): 9.48 mW/g (1g)

Comments:

Communication System Band: D835 (835.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 835$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 835 MHz, ConvF(10.38, 10.38, 10.38) @ 835 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

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

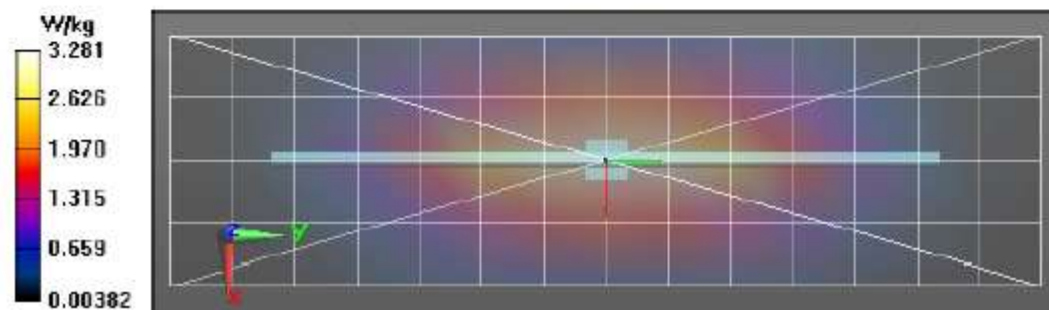
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 61.73 V/m; Power Drift = -0.03 dB
 Fast SAR: SAR(1 g) = 2.47 W/kg; SAR(10 g) = 1.62 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 3.28 W/kg

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 = 61.73 V/m; Power Drift = -0.03 dB
 Peak SAR (extrapolated) = 3.70 W/kg
 SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.54 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 20.2 mm
 Ratio of SAR at M2 to SAR at M1 = 65%
 Maximum value of SAR (measured) = 3.27 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) = 3.27 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 3/15/2021 3:26:10 PM

Robot#: DASY5-PG-1 | Run#: ZZ(MHI)-SYSP-1900H-210315-09
 Dipole Model#: D1900V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.4 (C)
 Serial#: 5d065
 Test Freq: 1900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.120 dB
 Adjusted SAR (1W): 36.48 mW/g (1g)

Comments:

Communication System Band: D1900 (1900.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.45$ S/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1900 MHz, ConvF(8.72, 8.72, 8.72) @ 1900 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x81x1):

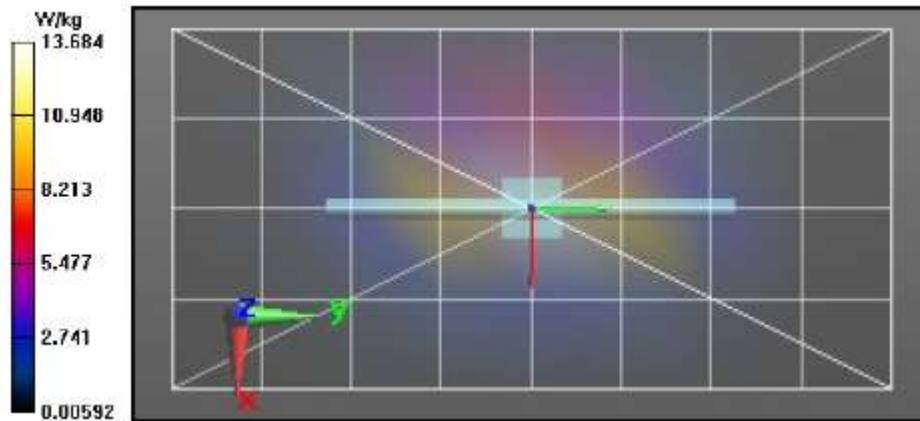
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 103.5 V/m; Power Drift = -0.07 dB
Fast SAR: SAR(1 g) = 9.58 W/kg; SAR(10 g) = 4.99 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 14.5 W/kg

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 = 103.5 V/m; Power Drift = -0.07 dB
 Peak SAR (extrapolated) = 17.4 W/kg
SAR(1 g) = 9.12 W/kg; SAR(10 g) = 4.75 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 10.5 mm
 Ratio of SAR at M2 to SAR at M1 = 53.2%
 Maximum value of SAR (measured) = 14.5 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) = 14.5 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/16/2021 4:47:04 AM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-SYSP-1800H-210316-03
 Dipole Model#: D1800V2
 Phantom#: SAMTP 1382
 Tissue Temp: 19.5 (C)
 Serial#: 278
 Test Freq: 1800.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.21 dB
 Adjusted SAR (1W): 37.40 mW/g (1g)

Comments:

Communication System Band: D1800 (1800.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 1800$ MHz; $\sigma = 1.38$ S/m; $\epsilon_r = 38.8$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1800 MHz, ConvF(8.79, 8.79, 8.79) @ 1800 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x81x1):

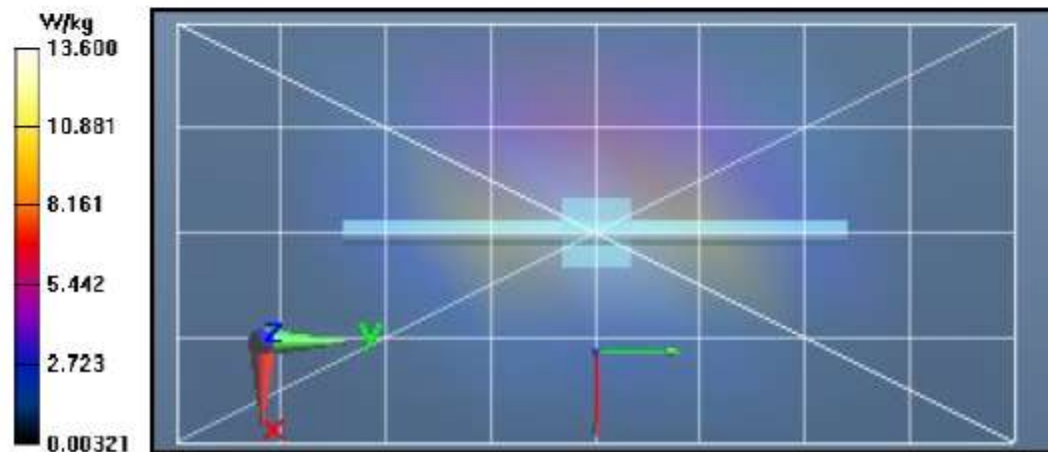
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 106.5 V/m; Power Drift = -0.02 dB
 Fast SAR: SAR(1 g) = 9.87 W/kg; SAR(10 g) = 5.12 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 14.6 W/kg

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 = 106.5 V/m; Power Drift = -0.02 dB
 Peak SAR (extrapolated) = 17.6 W/kg
 SAR(1 g) = 9.35 W/kg; SAR(10 g) = 4.86 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 10.5 mm
 Ratio of SAR at M2 to SAR at M1 = 52.9%
 Maximum value of SAR (measured) = 14.7 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) = 14.7 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/12/2021 5:09:57 PM

Robot#: DASY5-PG-1 | Run#: MA-SYSP-835H-210412-11
 Dipole Model#: D835V2
 Phantom#: ELI4 1011
 Tissue Temp: 21.0 (C)
 Serial#: 4d029
 Test Freq: 835.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.055 dB
 Adjusted SAR (1W): 9.44 mW/g (1g)

Comments:

Communication System Band: D835 (835.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 835$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 835 MHz, ConvF(10.38, 10.38, 10.38) @ 835 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x121x1):

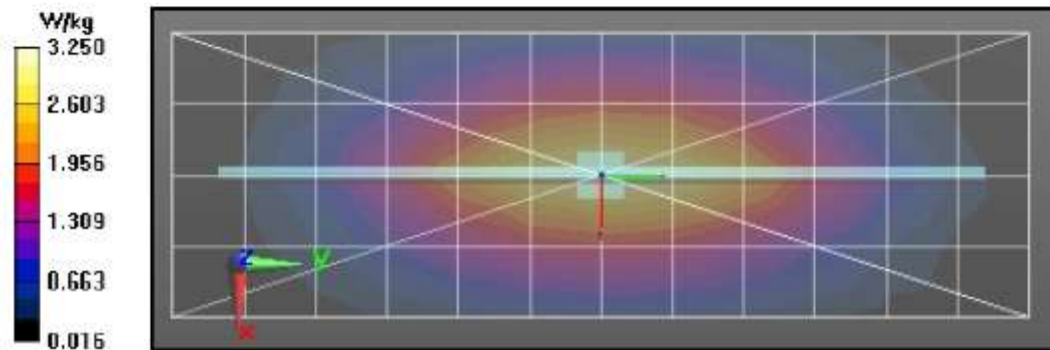
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 61.66 V/m; Power Drift = -0.01 dB
 Fast SAR: SAR(1 g) = 2.48 W/kg; SAR(10 g) = 1.62 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 3.26 W/kg

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 = 61.66 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 3.67 W/kg
 SAR(1 g) = 2.36 W/kg; SAR(10 g) = 1.54 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 19.2 mm
 Ratio of SAR at M2 to SAR at M1 = 65%
 Maximum value of SAR (measured) = 3.23 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) = 3.26 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/12/2021 8:26:19 PM

Robot#: DASY5-PG-1 | Run#: AMN(MHI)-SYSP-1900H-210412-12
 Dipole Model# D1900V2
 Phantom#: ELI4 1109
 Tissue Temp: 20.7 (C)
 Serial#: 5d065
 Test Freq: 1900.0000(MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.048 dB
 Adjusted SAR (1W): 38.52 mW/g (1g)

Comments:

Communication System Band: D1900 (1900.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.39$ S/m; $\epsilon_r = 39.3$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1900 MHz, ConvF(8.72, 8.72, 8.72) @ 1900 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x61x1):

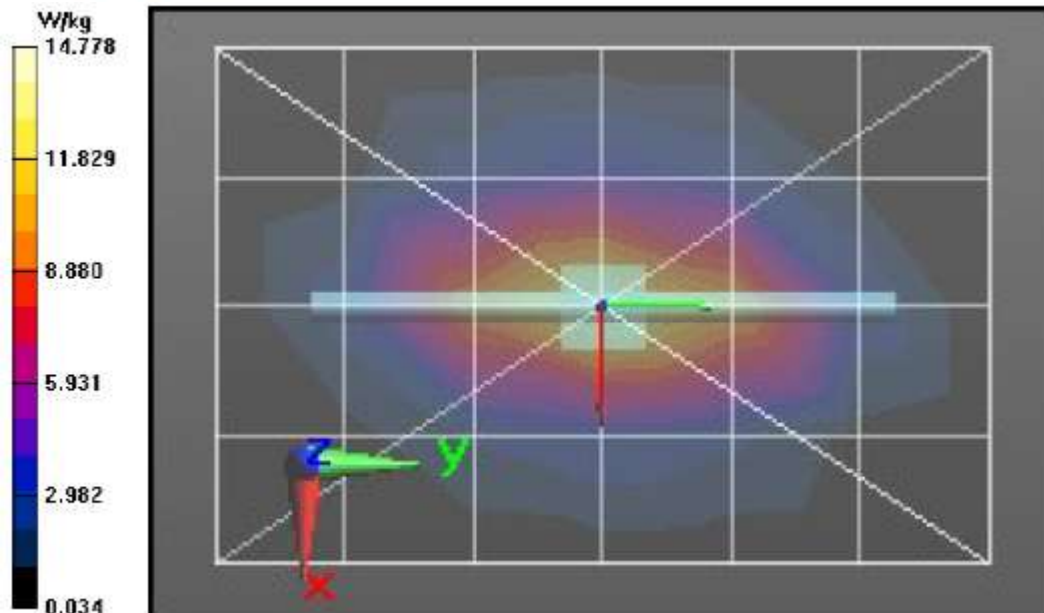
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 106.4 V/m; Power Drift = 0.04 dB
 Fast SAR: SAR(1 g) = 10 W/kg; SAR(10 g) = 5.04 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 14.9 W/kg

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 = 106.4 V/m; Power Drift = 0.04 dB
 Peak SAR (extrapolated) = 17.8 W/kg
 SAR(1 g) = 9.63 W/kg; SAR(10 g) = 5.02 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 9.5 mm
 Ratio of SAR at M2 to SAR at M1 = 54.2%
 Maximum value of SAR (measured) = 14.6 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) = 15.0 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 5/1/2021 12:27:03 PM

Robot#: DASY5-PG-1 | Run#: BL(MHT)-SYSP-1800H-210501-08
 Dipole Model#: D1800V2
 Phantom#: ELI4 1109
 Tissue Temp: 21.3 (C)
 Serial#: 278
 Test Freq: 1800.0000(MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.045 dB
 Adjusted SAR (1W): 39.60 mW/g (1g)

Comments:

Communication System Band: D1800 (1800.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 1800 \text{ MHz}$; $\sigma = 1.45 \text{ S/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1800 MHz, ConvF(8.79, 8.79, 8.79) @ 1800 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x61x1):

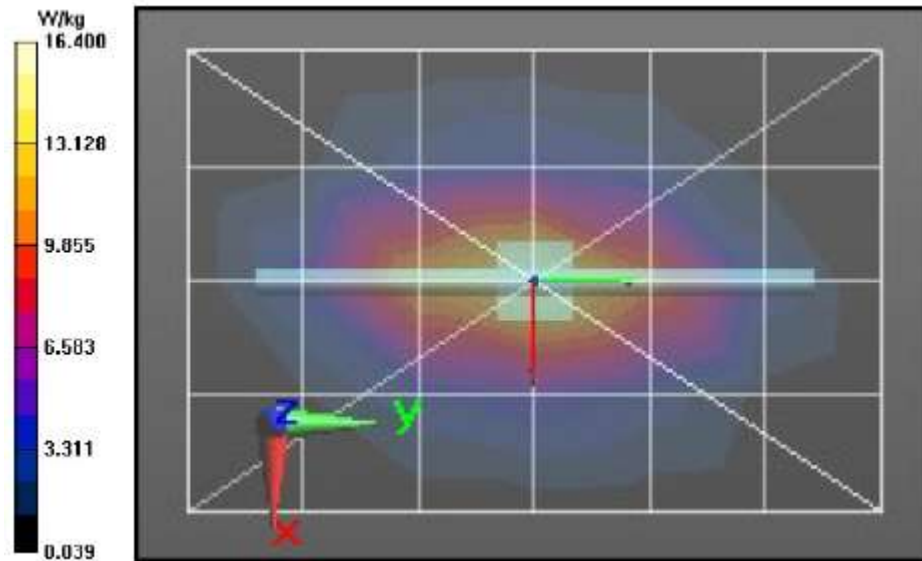
Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 109.6 V/m; Power Drift = -0.14 dB
Fast SAR: SAR(1 g) = 10.9 W/kg; SAR(10 g) = 5.61 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 16.6 W/kg

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

Measurement grid: $dx=7.5 \text{ mm}$, $dy=7.5 \text{ mm}$, $dz=5 \text{ mm}$
 Reference Value = 109.6 V/m; Power Drift = -0.14 dB
 Peak SAR (extrapolated) = 19.3 W/kg
SAR(1 g) = 9.9 W/kg; SAR(10 g) = 5.15 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 10.5 mm
 Ratio of SAR at M2 to SAR at M1 = 52.6%
 Maximum value of SAR (measured) = 15.8 W/kg

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

grid: $dx=20 \text{ mm}$, $dy=20 \text{ mm}$, $dz=10 \text{ mm}$
 Maximum value of SAR (measured) = 16.1 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/10/2021 5:32:15 PM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-SYSP-835B-210310-12
 Dipole Model#: D835V2
 Phantom#: ELI4 1090
 Tissue Temp: 19.6 (C)
 Serial#: 4d030
 Test Freq: 835.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.085 dB
 Adjusted SAR (1W): 10.08 mW/g (1g)

Comments:

Communication System Band: D835 (835.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 835$ MHz; $\sigma = 0.98$ S/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 835 MHz, ConvF(10.54, 10.54, 10.54) @ 835 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x131x1):

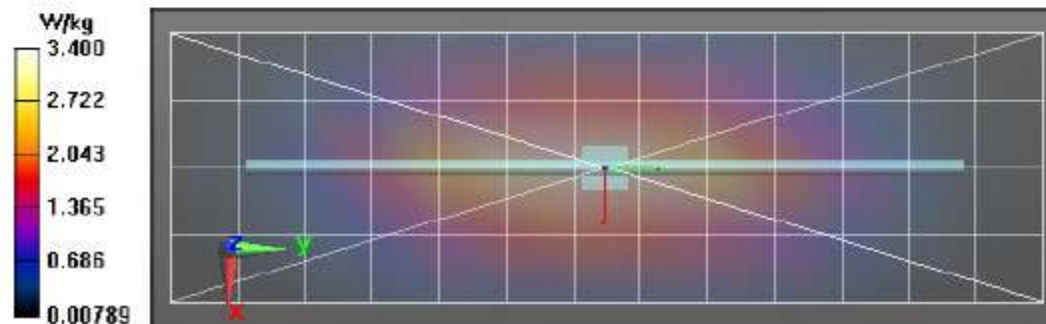
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 60.89 V/m; Power Drift = -0.03 dB
 Fast SAR: SAR(1 g) = 2.61 W/kg; SAR(10 g) = 1.7 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 3.42 W/kg

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 60.89 V/m; Power Drift = -0.03 dB
 Peak SAR (extrapolated) = 3.88 W/kg
 SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.66 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 17.5 mm
 Ratio of SAR at M2 to SAR at M1 = 65.7%
 Maximum value of SAR (measured) = 3.42 W/kg

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

grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 3.43 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/11/2021 8:52:42 AM

Robot#: DASY5-PG-1 | Run#: AR(BAD)-SYSP-835H-210311-09
 Dipole Model#: D835V2
 Phantom#: ELI4 1011
 Tissue Temp: 20.1 (C)
 Serial#: 4d030
 Test Freq: 835.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.073 dB
 Adjusted SAR (1W): 9.72 mW/g (1g)

Comments:

Communication System Band: D835 (835.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 835$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 835 MHz, ConvF(10.38, 10.38, 10.38) @ 835 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x131x1):

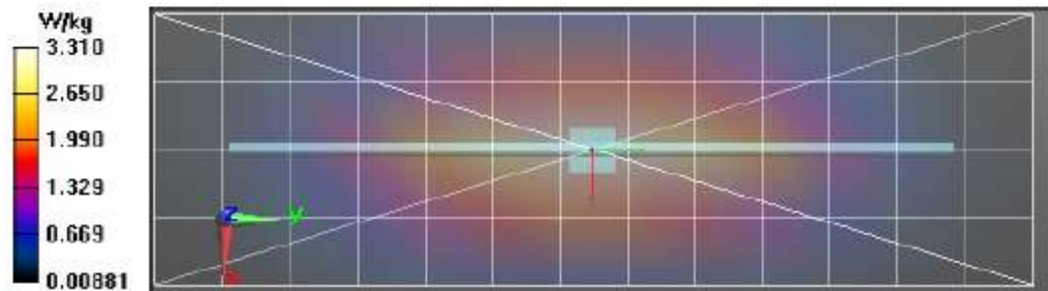
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 62.15 V/m; Power Drift = -0.05 dB
 Fast SAR: SAR(1 g) = 2.53 W/kg; SAR(10 g) = 1.66 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 3.36 W/kg

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 = 62.15 V/m; Power Drift = -0.05 dB
 Peak SAR (extrapolated) = 3.82 W/kg
 SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.59 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 21.2 mm
 Ratio of SAR at M2 to SAR at M1 = 64.9%
 Maximum value of SAR (measured) = 3.37 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) = 3.38 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/12/2021 10:24:36 AM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-SYSP-1800H-210312-08
 Dipole Model#: D1800V2
 Phantom#: ELI4 1028
 Tissue Temp: 20.0 (C)
 Serial#: 278
 Test Freq: 1800.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.062 dB
 Adjusted SAR (1W): 40.00 mW/g (1g)

Comments:

Communication System Band: D1800 (1800.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 1800$ MHz; $\sigma = 1.37$ S/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1800 MHz, ConvF(8.79, 8.79, 8.79) @ 1800 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x81x1):

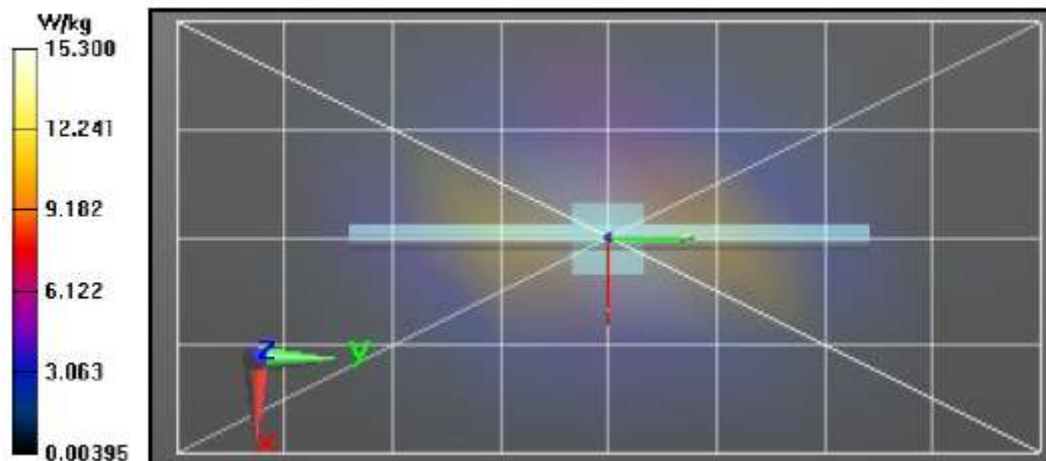
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 108.5 V/m; Power Drift = 0.08 dB
 Fast SAR: SAR(1 g) = 10.6 W/kg; SAR(10 g) = 5.39 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 15.3 W/kg

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 108.5 V/m; Power Drift = 0.08 dB
 Peak SAR (extrapolated) = 18.2 W/kg
 SAR(1 g) = 10 W/kg; SAR(10 g) = 5.24 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 10.5 mm
 Ratio of SAR at M2 to SAR at M1 = 54.3%
 Maximum value of SAR (measured) = 15.3 W/kg

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

grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 15.5 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/12/2021 4:46:51 AM

Robot#: DASY5-PG-1 | Run#: MA-SYSP-750B-210312-05
 Dipole Model#: D750V3
 Phantom#: ELI4 1037
 Tissue Temp: 20.5 (C)
 Serial#: 1098
 Test Freq: 750.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.069 dB
 Adjusted SAR (1W): 9.04 mW/g (1g)

Comments:

Communication System Band: D750 (750.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 750$ MHz; $\sigma = 0.95$ S/m; $\epsilon_r = 57.8$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 750 MHz, ConvF(10.79, 10.79, 10.79) @ 750 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

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

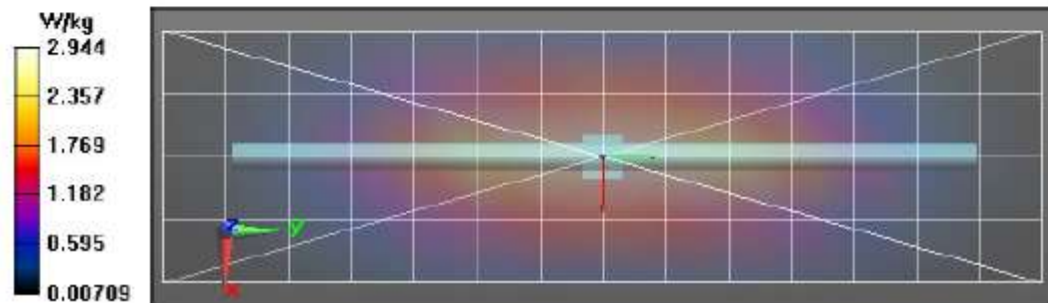
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 57.56 V/m; Power Drift = -0.01 dB
 Fast SAR: SAR(1 g) = 2.32 W/kg; SAR(10 g) = 1.51 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 2.95 W/kg

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 = 57.56 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 3.33 W/kg
 SAR(1 g) = 2.26 W/kg; SAR(10 g) = 1.5 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 21.2 mm
 Ratio of SAR at M2 to SAR at M1 = 66.8%
 Maximum value of SAR (measured) = 2.96 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) = 2.97 W/kg



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Date/Time: 3/12/2021 1:40:38 AM

Robot#: DASY5-PG-1 | Run#: MA-SYSP-750H-210312-01
 Dipole Model#: D750V3
 Phantom#: SAMTP 1384
 Tissue Temp: 20.1 (C)
 Serial#: 1098
 Test Freq: 750.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.068 dB
 Adjusted SAR (1W): 8.64 mW/g (1g)

Comments:

Communication System Band: D750 (750.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 750$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 43.6$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 750 MHz, ConvF(10.87, 10.87, 10.87) @ 750 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

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

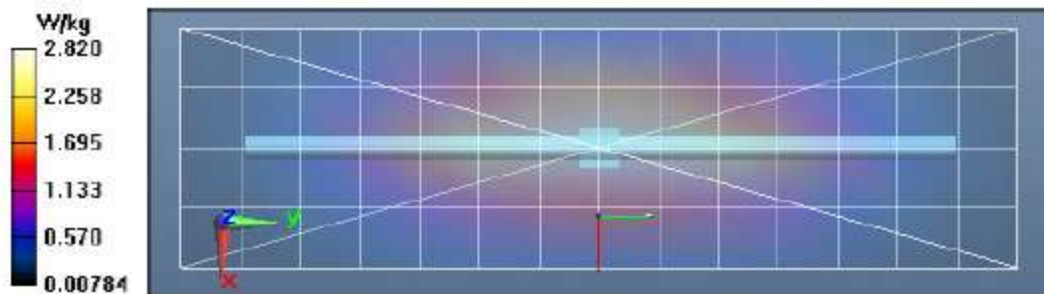
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 59.29 V/m; Power Drift = -0.02 dB
 Fast SAR: SAR(1 g) = 2.24 W/kg; SAR(10 g) = 1.47 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 2.84 W/kg

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 59.29 V/m; Power Drift = -0.02 dB
 Peak SAR (extrapolated) = 3.20 W/kg
 SAR(1 g) = 2.16 W/kg; SAR(10 g) = 1.42 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 = 66.3%
 Maximum value of SAR (measured) = 2.83 W/kg

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

grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 2.83 W/kg



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Date/Time: 3/14/2021 3:51:53 PM

Robot#: DASY5-PG-1 | Run#: AMN(MHI)-SYSP-2300B-210314-13
 Dipole Model#: D2300V2
 Phantom#: ELI4 1109
 Tissue Temp: 19.4 (C)
 Serial#: 1007
 Test Freq: 2300.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.082 dB
 Adjusted SAR (1W): 50.00 mW/g (1g)

Comments:

Communication System Band: D2300 (2300.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 2300$ MHz; $\sigma = 1.86$ S/m; $\epsilon_r = 51.3$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2300 MHz, ConvF(8.24, 8.24, 8.24) @ 2300 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x61x1): Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Reference Value = 108.9 V/m; Power Drift = -0.07 dB

Fast SAR: SAR(1 g) = 12.9 W/kg; SAR(10 g) = 5.91 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 20.9 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 = 108.9 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 25.3 W/kg

SAR(1 g) = 12.5 W/kg; SAR(10 g) = 5.91 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.9 mm

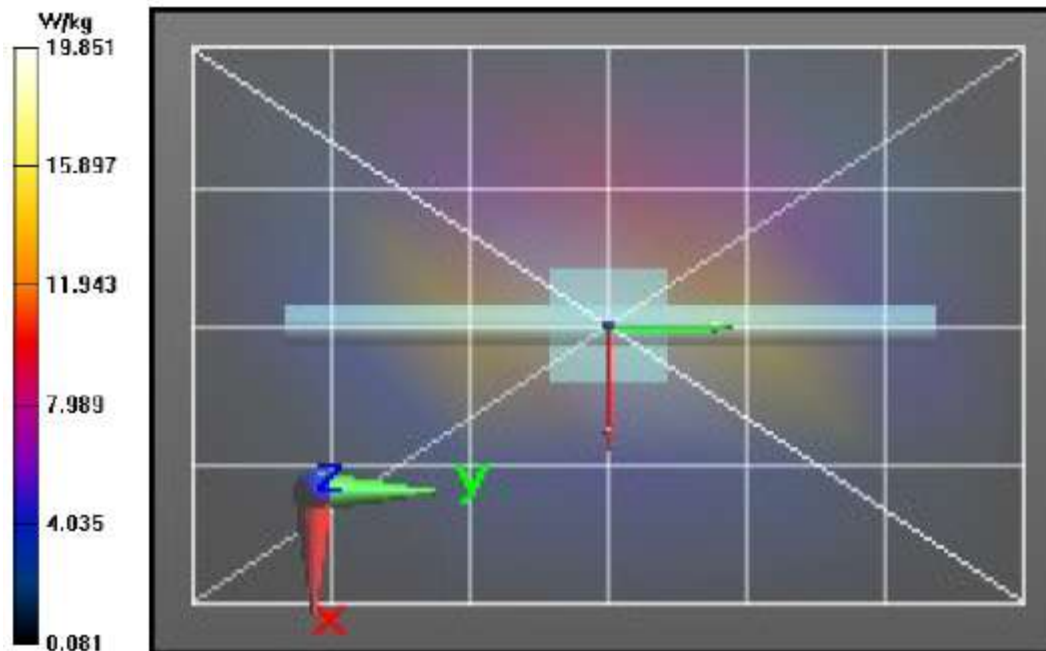
Ratio of SAR at M2 to SAR at M1 = 50.7%

Maximum value of SAR (measured) = 20.5 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) = 20.8 W/kg



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Date/Time: 3/14/2021 4:35:12 PM

Robot#: DASY5-PG-1 | Run#: AMN(MHI)-SYSP-2600B-210314-14
 Dipole Model#: D2600V2
 Phantom#: ELI4 1109
 Tissue Temp: 19.4 (C)
 Serial#: 1002
 Test Freq: 2600.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.064 dB
 Adjusted SAR (1W): 55.60 mW/g (1g)

Comments:

Communication System Band: D2600 (2600.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 2600$ MHz; $\sigma = 2.21$ S/m; $\epsilon_r = 50.3$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2600 MHz, ConvF(7.96, 7.96, 7.96) @ 2600 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x61x1): Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Reference Value = 109.8 V/m; Power Drift = -0.09 dB

Fast SAR: SAR(1 g) = 14.6 W/kg; SAR(10 g) = 6.24 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 25.0 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 = 109.8 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 31.2 W/kg

SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.08 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8 mm

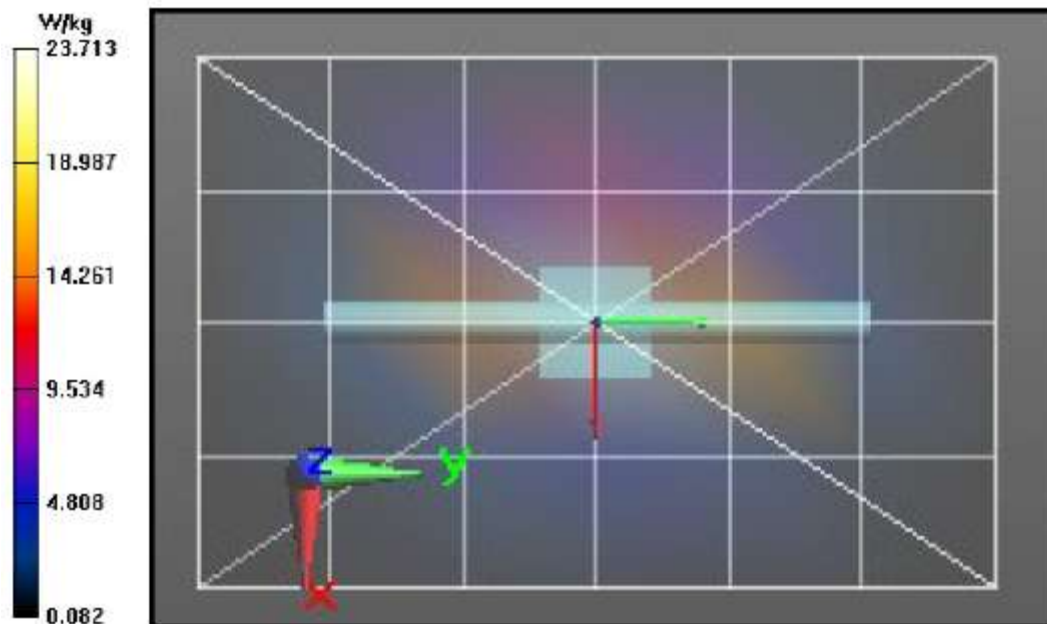
Ratio of SAR at M2 to SAR at M1 = 46.1%

Maximum value of SAR (measured) = 24.6 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: 3/14/2021 12:29:15 AM

Robot#: DASY5-PG-1 | Run#: MA-SYSP-2300H-210314-02#
 Dipole Model#: D2300V2
 Phantom#: SAMTP 1382
 Tissue Temp: 20.3 (C)
 Serial#: 1007
 Test Freq: 2300.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.068 dB
 Adjusted SAR (1W): 51.60 mW/g (1g)

Comments:

Communication System Band: D2300 (2300.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 2300$ MHz; $\sigma = 1.68$ S/m; $\epsilon_r = 36.8$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2300 MHz, CorrF(8.35, 8.35, 8.35) @ 2300 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x61x1): Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Reference Value = 117.4 V/m; Power Drift = -0.05 dB

Fast SAR: SAR(1 g) = 13.8 W/kg; SAR(10 g) = 6.47 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 22.1 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 = 117.4 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 27.3 W/kg

SAR(1 g) = 12.9 W/kg; SAR(10 g) = 6.12 W/kg (SAR corrected for target medium)

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

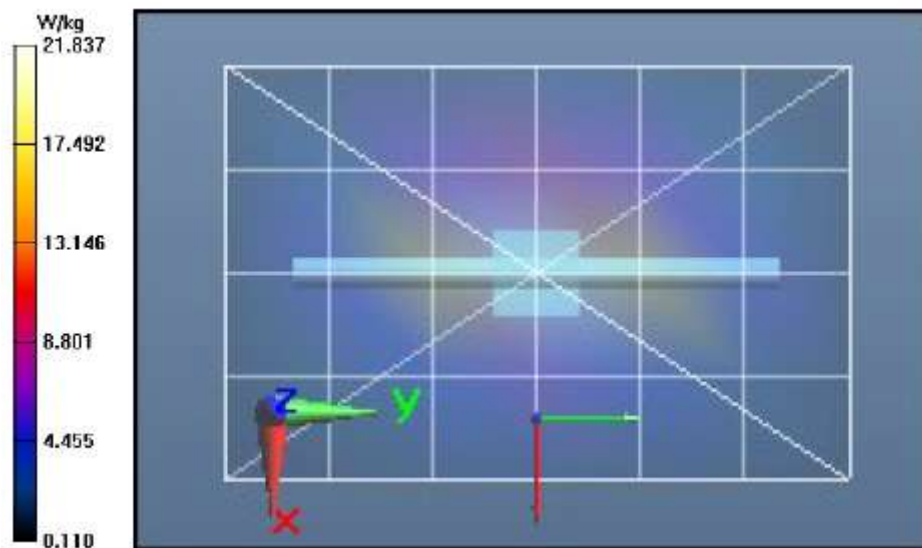
Ratio of SAR at M2 to SAR at M1 = 48.1%

Maximum value of SAR (measured) = 22.0 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) = 22.1 W/kg



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Date/Time: 3/13/2021 11:46:34 PM

Robot#: DASY5-PG-1 | Run#: MA-SYSP-2600H-210314-01#
 Dipole Model#: D2600V2
 Phantom#: SAMTP 1382
 Tissue Temp: 20.3 (C)
 Serial#: 1002
 Test Freq: 2600.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.078 dB
 Adjusted SAR (1W): 61.20 mW/g (1g)

Comments:

Communication System Band: D2600 (2600.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 2600$ MHz; $\sigma = 1.99$ S/m; $\epsilon_r = 35.6$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2600 MHz, ConvF(7.73, 7.73, 7.73) @ 2600 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x61x1): Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Reference Value = 122.6 V/m; Power Drift = -0.12 dB

Fast SAR: SAR(1 g) = 16.8 W/kg; SAR(10 g) = 7.34 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 28.1 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 = 122.6 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 35.1 W/kg

SAR(1 g) = 15.3 W/kg; SAR(10 g) = 6.76 W/kg (SAR corrected for target medium)

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

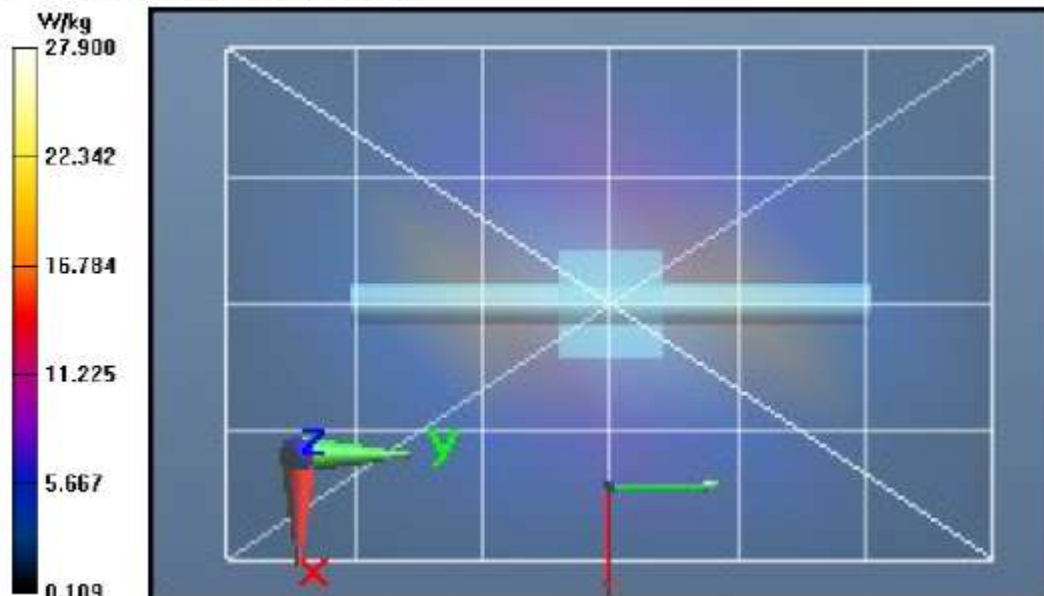
Ratio of SAR at M2 to SAR at M1 = 44.3%

Maximum value of SAR (measured) = 27.7 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) = 27.7 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/9/2021 6:14:34 PM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-SYSP-1800B-210309-10
 Dipole Model# D1800V2
 Phantom#: ELI4 1028
 Tissue Temp: 20.0 (C)
 Serial#: 278
 Test Freq: 1800.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.073 dB
 Adjusted SAR (1W): 40.80 mW/g (1g)

Comments:

Communication System Band: D1800 (1800.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 1800$ MHz; $\sigma = 1.49$ S/m; $\epsilon_r = 51.9$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1800 MHz, ConvF(8.54, 8.54, 8.54) @ 1800 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x81x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 104.8 V/m; Power Drift = -0.01 dB

Fast SAR: SAR(1 g) = 10.4 W/kg; SAR(10 g) = 5.16 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 15.3 W/kg

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 104.8 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 18.0 W/kg

SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.37 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 9.5 mm

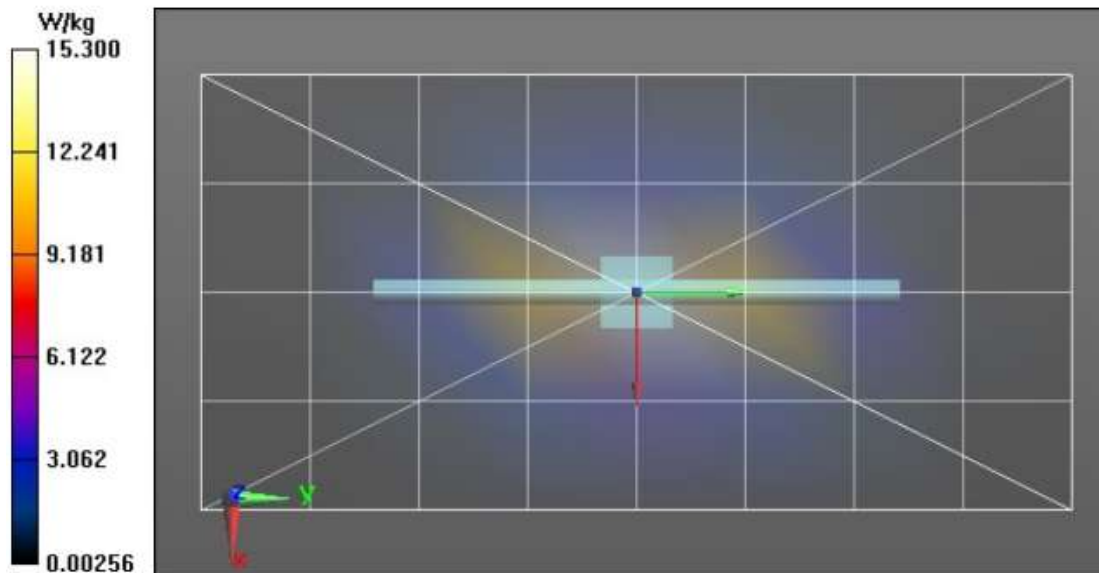
Ratio of SAR at M2 to SAR at M1 = 56.7%

Maximum value of SAR (measured) = 15.4 W/kg

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

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

Maximum value of SAR (measured) = 15.5 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/15/2021 1:54:38 AM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-SYSP-1900B-210315-02
 Dipole Model#: D1900V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.0 (C)
 Serial#: 5d065
 Test Freq: 1900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.067 dB
 Adjusted SAR (1W): 40.00 mW/g (1g)

Comments:

Communication System Band: D1900 (1900.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.53$ S/m; $\epsilon_r = 51.9$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1900 MHz, ConvF(8.4, 8.4, 8.4) @ 1900 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x81x1):

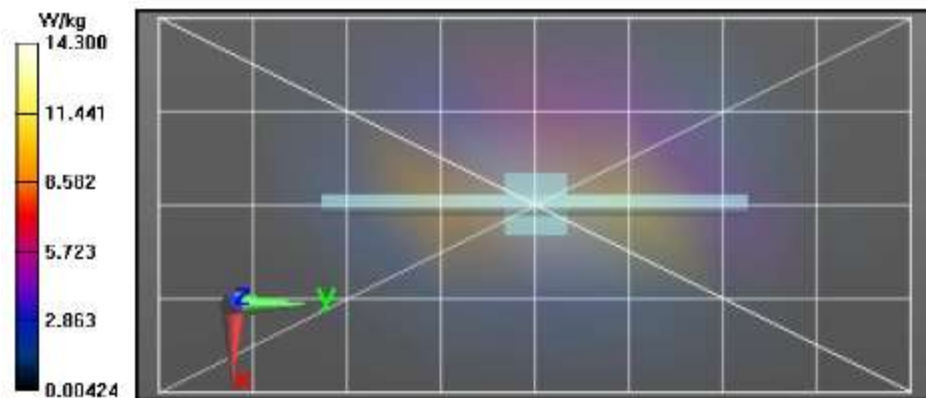
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 103.9 V/m; Power Drift = -0.09 dB
 Fast SAR: SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.04 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 15.7 W/kg

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 = 103.9 V/m; Power Drift = -0.09 dB
 Peak SAR (extrapolated) = 18.3 W/kg
 SAR(1 g) = 10 W/kg; SAR(10 g) = 5.29 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 10.1 mm
 Ratio of SAR at M2 to SAR at M1 = 56.2%
 Maximum value of SAR (measured) = 15.4 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) = 15.6 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/10/2021 10:19:29 PM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-SYSP-1900H-210410-05
 Dipole Model#: D1900V2
 Phantom#: SAMTP 1382
 Tissue Temp: 20.8 (C)
 Serial#: 5d065
 Test Freq: 1900.0000(MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.052 dB
 Adjusted SAR (1W): 39.24 mW/g (1g)

Comments:

Communication System Band: D1900 (1900.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 1900$ MHz, $\sigma = 1.38$ S/m, $\epsilon_r = 40.4$, $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1900 MHz, ConvF(8.72, 8.72) @ 1900 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x61x1):

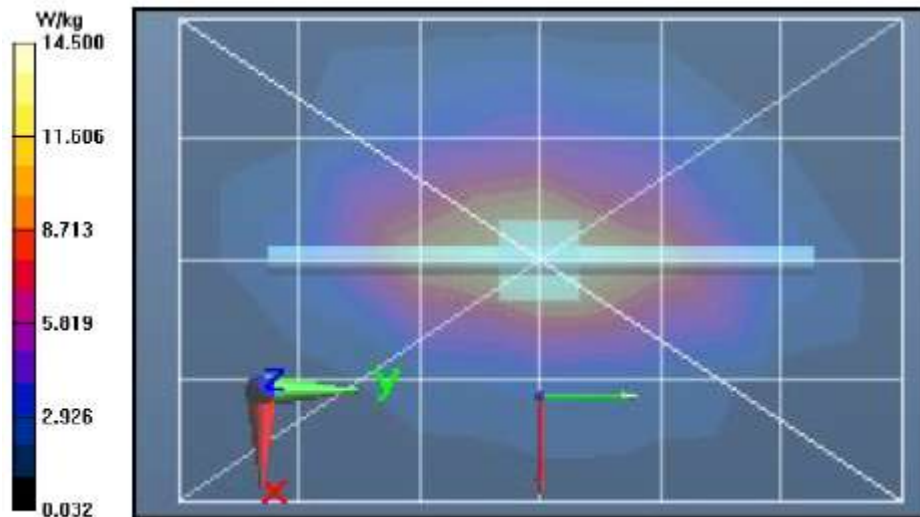
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 107.4 V/m; Power Drift = 0.03 dB
 Fast SAR: SAR(1 g) = 10.2 W/kg, SAR(10 g) = 5.11 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 15.1 W/kg

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 = 107.4 V/m; Power Drift = 0.03 dB
 Peak SAR (extrapolated) = 17.7 W/kg
 SAR(1 g) = 9.81 W/kg, SAR(10 g) = 5.11 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 9.1 mm
 Ratio of SAR at M2 to SAR at M1 = 54.7%
 Maximum value of SAR (measured) = 14.9 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) = 15.1 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/11/2021 4:15:39 AM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-SYSP-1900B-210411-03
 Dipole Model#: D1900V2
 Phantom#: ELI4 1022
 Tissue Temp: 19.6 (C)
 Serial#: 5d065
 Test Freq: 1900.0000(MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.059 dB
 Adjusted SAR (1W): 39.92 mW/g (1g)

Comments:

Communication System Band: D1900 (1900.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.58$ S/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1900 MHz, ConvF(8.4, 8.4, 8.4) @ 1900 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x61x1):

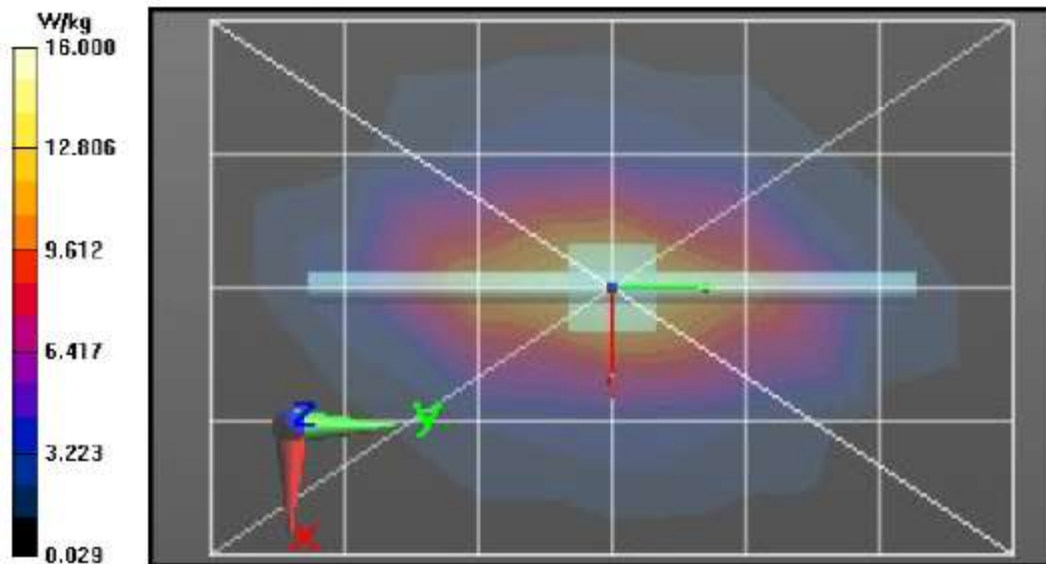
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 104.0 V/m; Power Drift = -0.05 dB
 Fast SAR: SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.13 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 16.2 W/kg

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 = 104.0 V/m; Power Drift = -0.05 dB
 Peak SAR (extrapolated) = 18.8 W/kg
 SAR(1 g) = 9.98 W/kg; SAR(10 g) = 5.23 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 9.5 mm
 Ratio of SAR at M2 to SAR at M1 = 55.1%
 Maximum value of SAR (measured) = 15.7 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) = 16.1 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/12/2021 12:35:24 AM

Robot#: DASY5-PG-1 | Run#: AMN(MHI)-SYSP-1800B-210412-01
 Dipole Model#: D1800V2
 Phantom#: ELI4 1022
 Tissue Temp: 19.3 (C)
 Serial#: 278
 Test Freq: 1800.0000(MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.092 dB
 Adjusted SAR (1W): 37.24 mW/g (1g)

Comments:

Communication System Band: D1800 (1800.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 1800$ MHz; $\sigma = 1.49$ S/m; $\epsilon_r = 51.2$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1800 MHz, ConvF(8.54, 8.54, 8.54) @ 1800 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x61x1):

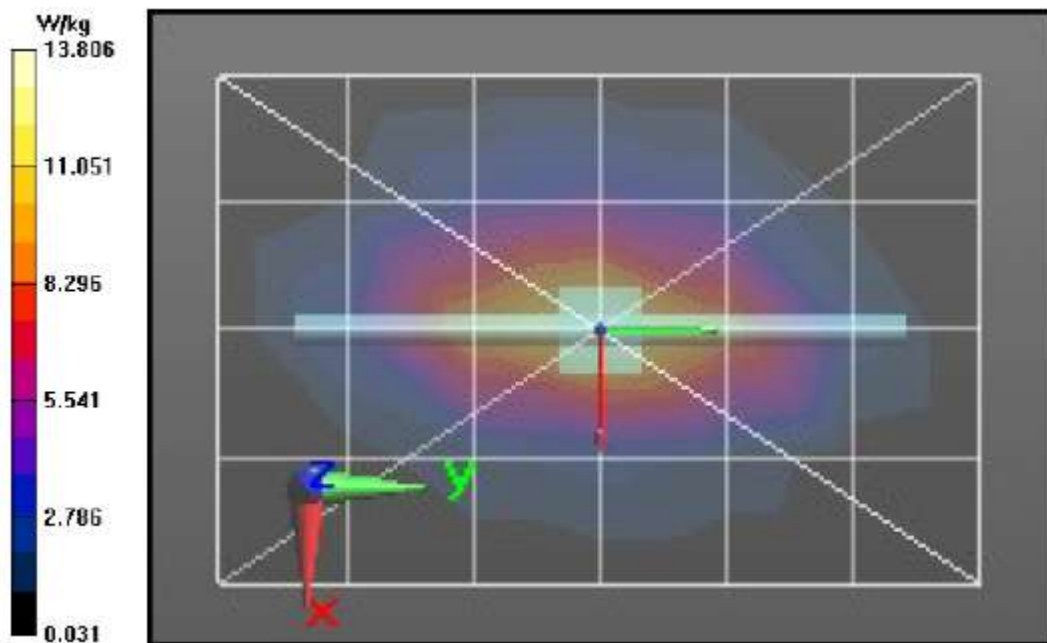
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 100.9 V/m; Power Drift = -0.04 dB
 Fast SAR: SAR(1 g) = 9.51 W/kg; SAR(10 g) = 4.79 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 14.2 W/kg

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 = 100.9 V/m; Power Drift = -0.04 dB
 Peak SAR (extrapolated) = 16.6 W/kg
 SAR(1 g) = 9.31 W/kg; SAR(10 g) = 4.91 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 10.5 mm
 Ratio of SAR at M2 to SAR at M1 = 56.3%
 Maximum value of SAR (measured) = 14.1 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) = 14.1 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/13/2021 10:07:19 AM

Robot#: DASY5-PG-1 | Run#: ZR(RY)-SYSP-2600B-210413-04
 Dipole Model#: D2600V2
 Phantom#: TP1174/1
 Tissue Temp: 20.2 (C)
 Serial#: 1002
 Test Freq: 2600.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.077 dB
 Adjusted SAR (1W): 60.00 mW/g (1g)

Communication System Band: D2600 (2600.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.24$ S/m; $\epsilon_r = 48.3$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2600 MHz, ConvF(7.96, 7.96, 7.96) @ 2600 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

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 = 113.0 V/m; Power Drift = 0.01 dB

Fast SAR: SAR(1 g) = 15.4 W/kg; SAR(10 g) = 6.75 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 27.3 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 = 113.0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 33.6 W/kg

SAR(1 g) = 15 W/kg; SAR(10 g) = 6.65 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.9 mm

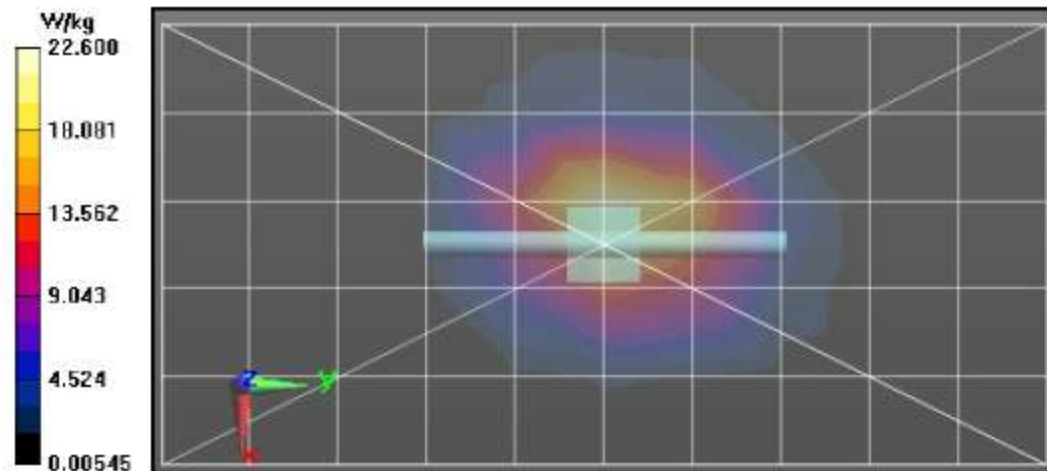
Ratio of SAR at M2 to SAR at M1 = 46.5%

Maximum value of SAR (measured) = 26.9 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) = 26.9 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/18/2021 3:47:17 PM

Robot#: DASY5-PG-1 | Run#: MA(MHI)-SYSP-1800B-210418-06
 Dipole Model#: D1800V2
 Phantom#: TP1174-3
 Tissue Temp: 20.4 (C)
 Serial#: 278
 Test Freq: 1800.0000(MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.170 dB
 Adjusted SAR (1W): 41.60 mW/g (1g)

Comments:

Communication System Band: D1800 (1800.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 1800$ MHz; $\sigma = 1.51$ S/m; $\epsilon_r = 51.9$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1800 MHz, ConvF(8.54, 8.54, 8.54) @ 1800 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x61x1):

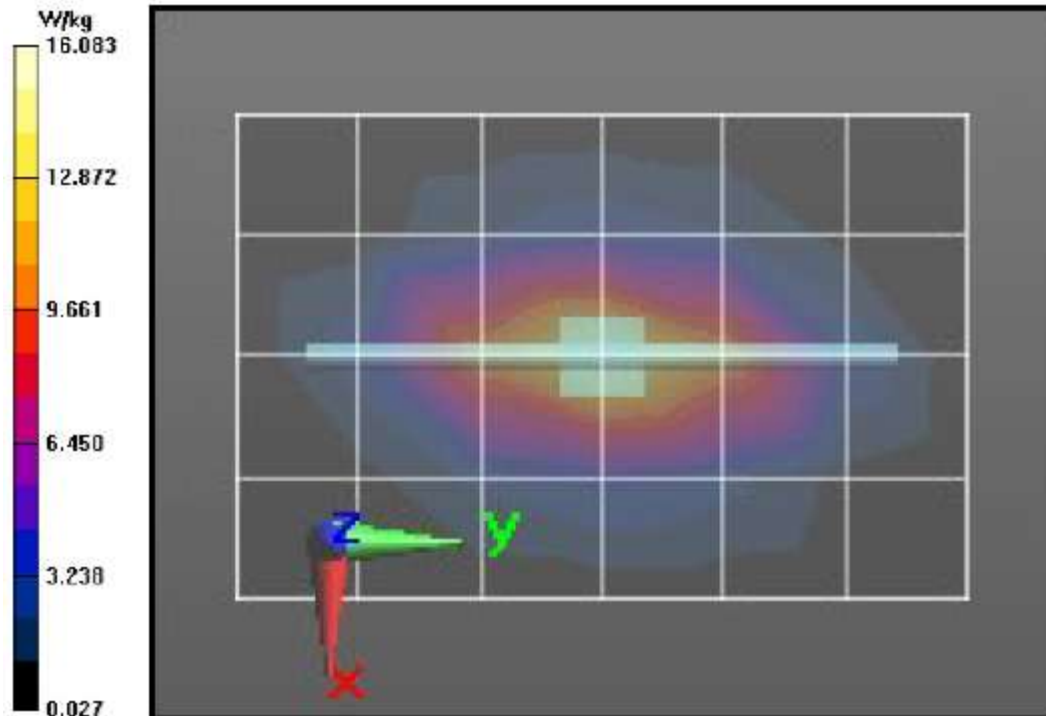
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 106.6 V/m; Power Drift = -0.10 dB
 Fast SAR: SAR(1 g) = 10.8 W/kg; SAR(10 g) = 5.34 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 16.1 W/kg

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 = 106.6 V/m; Power Drift = -0.10 dB
 Peak SAR (extrapolated) = 18.7 W/kg
 SAR(1 g) = 10.4 W/kg; SAR(10 g) = 5.48 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 = 56.3%
 Maximum value of SAR (measured) = 15.9 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) = 15.9 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/13/2021 10:44:37 AM

Robot#: DASY5-PG-1 | Run#: MA(MHI)-SYSP-1900H-210313-12
 Dipole Model#: D1900V2
 Phantom#: SAMTP 1382
 Tissue Temp: 20.1 (C)
 Serial#: 5d064
 Test Freq: 1900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.099 dB
 Adjusted SAR (1W): 39.88 mW/g (1g)

Comments:

Communication System Band: D1900 (1900.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.44$ S/m; $\epsilon_r = 38.1$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1900 MHz, ConvF(8.72, 8.72, 8.72) @ 1900 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x81x1):

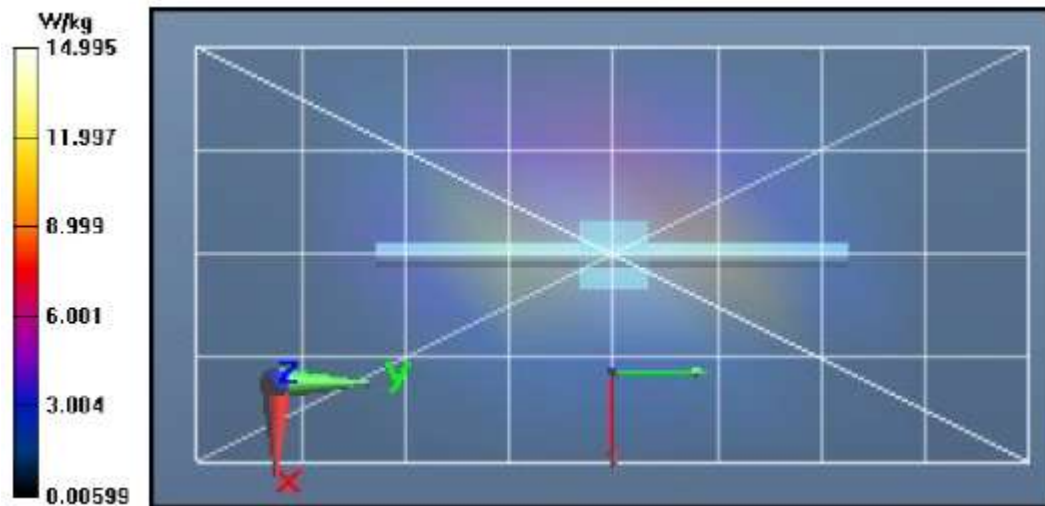
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 109.2 V/m; Power Drift = -0.05 dB
 Fast SAR: SAR(1 g) = 10.4 W/kg; SAR(10 g) = 5.35 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 16.2 W/kg

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 = 109.2 V/m; Power Drift = -0.05 dB
 Peak SAR (extrapolated) = 19.4 W/kg
 SAR(1 g) = 9.97 W/kg; SAR(10 g) = 5.18 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 10.5 mm
 Ratio of SAR at M2 to SAR at M1 = 52.7%
 Maximum value of SAR (measured) = 16.0 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) = 16.2 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/13/2021 10:04:21 AM

Robot#: DASY5-PG-1 | Run#: MA(MHT)-SYSP-1800H-210313-11
 Dipole Model#: D1800V2
 Phantom#: SAMTP 1382
 Tissue Temp: 20.1 (C)
 Serial#: 278
 Test Freq: 1800.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.100 dB
 Adjusted SAR (1W): 39.04 mW/g (1g)

Comments:

Communication System Band: D1800 (1800.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 1800$ MHz; $\sigma = 1.35$ S/m; $\epsilon_r = 38.5$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1800 MHz, ConvF(8.79, 8.79, 8.79) @ 1800 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x81x1):

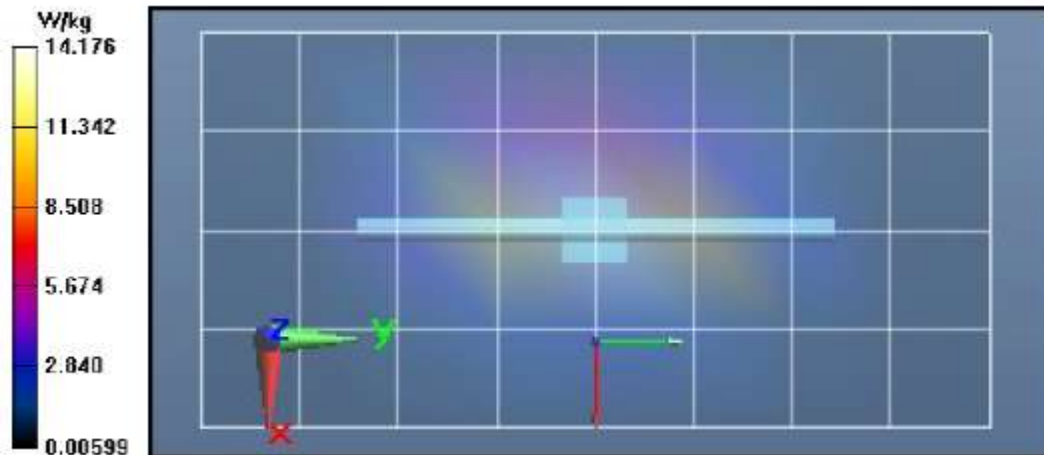
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 109.0 V/m; Power Drift = -0.11 dB
 Fast SAR: SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.28 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 15.1 W/kg

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 = 109.0 V/m; Power Drift = -0.11 dB
 Peak SAR (extrapolated) = 18.0 W/kg
 SAR(1 g) = 9.76 W/kg; SAR(10 g) = 5.09 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 10.5 mm
 Ratio of SAR at M2 to SAR at M1 = 53.6%
 Maximum value of SAR (measured) = 14.8 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) = 15.1 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/12/2021 9:10:47 AM

Robot#: DASY5-PG-1 | Run#: MA-SYSP-1900B-210412-07
 Dipole Model#: D1900V2
 Phantom#: ELI4 1022
 Tissue Temp: 20.1 (C)
 Serial#: 5d065
 Test Freq: 1900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.078 dB
 Adjusted SAR (1W): 39.68 mW/g (1g)

Comments:

Communication System Band: D1900 (1900.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.56$ S/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1900 MHz, ConvF(8.4, 8.4, 8.4) @ 1900 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x81x1):

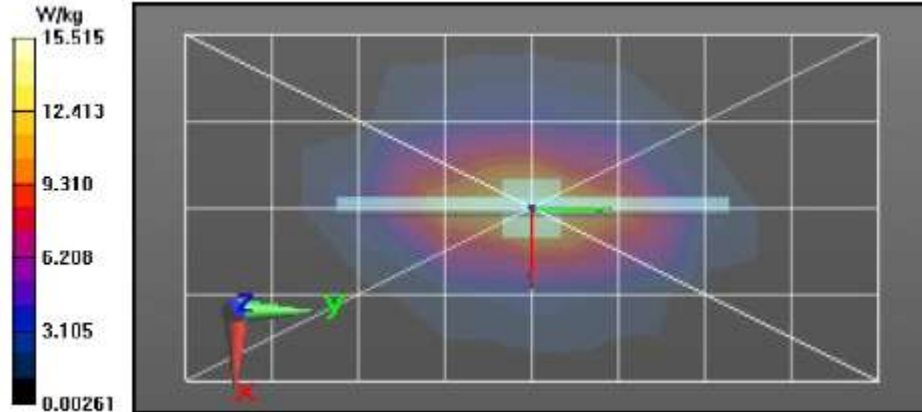
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 103.7 V/m; Power Drift = -0.07 dB
 Fast SAR: SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.05 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 15.7 W/kg

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 = 103.7 V/m; Power Drift = -0.07 dB
 Peak SAR (extrapolated) = 18.5 W/kg
 SAR(1 g) = 9.92 W/kg; SAR(10 g) = 5.15 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 = 54.8%
 Maximum value of SAR (measured) = 15.4 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) = 15.7 W/kg



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Date/Time: 3/16/2021 8:41:45 PM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-SYSP-2450B-210316-12
 Dipole Model#: D2450V2
 Phantom#: TP1174-1
 Tissue Temp: 19.8 (C)
 Serial#: 782
 Test Freq: 2450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.15 dB
 Adjusted SAR (1W): 52.00 mW/g (1g)

Comments:

Communication System Band: D2450 (2450.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.04$ S/m; $\epsilon_r = 50.6$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2450 MHz, ConvF(8.14, 8.14, 8.14) @ 2450 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (51x51x1): Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Reference Value = 107.7 V/m; Power Drift = -0.02 dB

Fast SAR: SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.14 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 23.4 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 = 107.7 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 28.5 W/kg

SAR(1 g) = 13 W/kg; SAR(10 g) = 6.05 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.2 mm

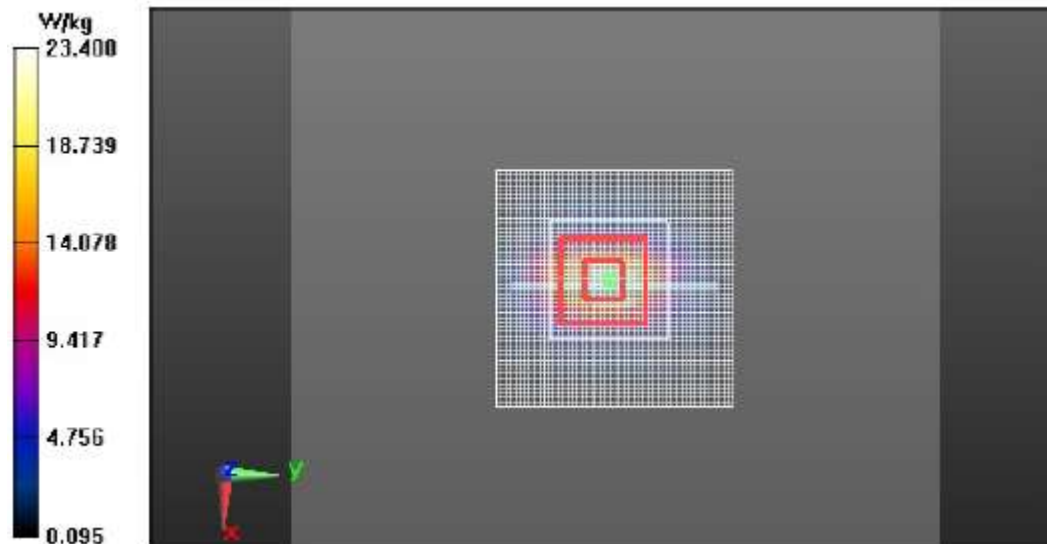
Ratio of SAR at M2 to SAR at M1 = 47.8%

Maximum value of SAR (measured) = 22.8 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) = 23.0 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/16/2021 8:41:45 PM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-SYSP-2450B-210316-12
 Dipole Model#: D2450V2
 Phantom#: TP1174-1
 Tissue Temp: 19.8 (C)
 Serial#: 782
 Test Freq: 2450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.15 dB
 Adjusted SAR (1W): 52.00 mW/g (1g)

Comments:

Communication System Band: D2450 (2450.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.04$ S/m; $\epsilon_r = 50.6$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2450 MHz, ConvF(8.14, 8.14, 8.14) @ 2450 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (51x51x1): Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Reference Value = 107.7 V/m; Power Drift = -0.02 dB

Fast SAR: SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.14 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 23.4 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 = 107.7 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 28.5 W/kg

SAR(1 g) = 13 W/kg; SAR(10 g) = 6.05 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.2 mm

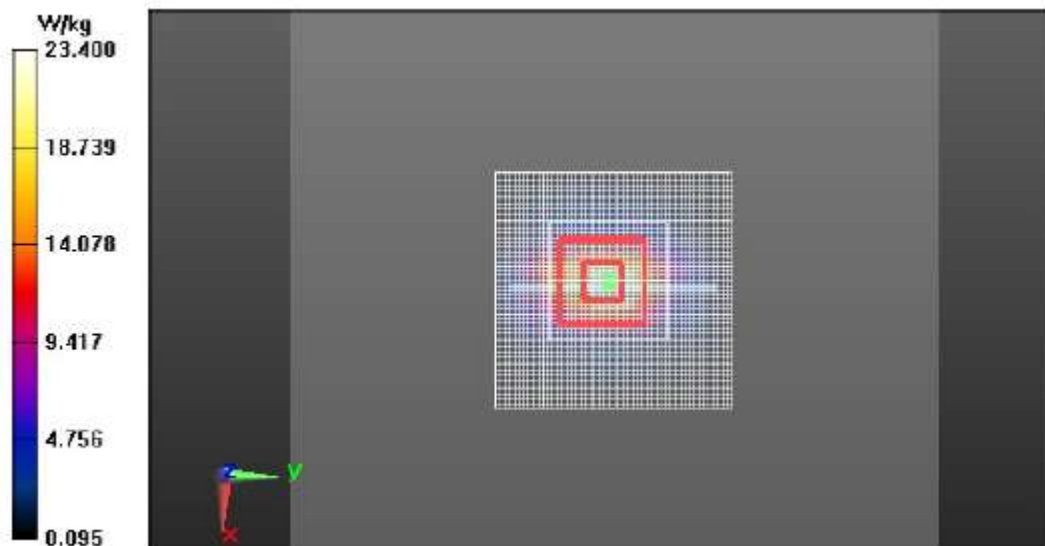
Ratio of SAR at M2 to SAR at M1 = 47.8%

Maximum value of SAR (measured) = 22.8 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) = 23.0 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/27/2021 11:14:27 PM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-SYSP-2450H-210327-03
 Dipole Model#: D2450V2
 Phantom#: SAMTP 1384
 Tissue Temp: 20.5 (C)
 Serial#: 782
 Test Freq: 2450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.047 dB
 Adjusted SAR (1W): 53.60 mW/g (1g)

Comments:

Communication System Band: D2450 (2450.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.86$ S/m; $\epsilon_r = 35.4$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2450 MHz, ConvF(8, 8, 8) @ 2450 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (51x51x1): Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Reference Value = 116.5 V/m; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 14.5 W/kg; SAR(10 g) = 6.67 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 25.2 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 = 116.5 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 30.3 W/kg

SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.17 W/kg (SAR corrected for target medium)

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

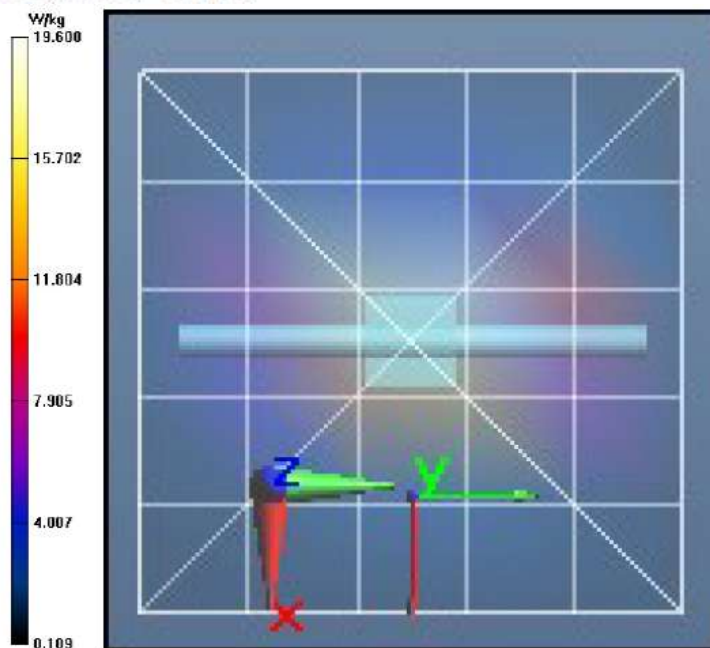
Ratio of SAR at M2 to SAR at M1 = 45.7%

Maximum value of SAR (measured) = 23.9 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) = 23.9 W/kg



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Date/Time: 4/19/2021 3:12:45 PM

Robot#: DASY5-PG-1 | Run#: AMN(MHI)-SYSP-5500H-210419-09
 Dipole Model#: D5GHzV2
 Phantom#: SAMTP 1382
 Tissue Temp: 20.7 (C)
 Serial#: 1026
 Test Freq: 5500.0000 (MHz)
 Start Power: 100 (mW)
 Rotation (1D): 0.100 dB
 Adjusted SAR (1W): 87.20 mW/g (1g)

Comments:

Communication System Band: D5GHz (5000.0 - 6000.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 5500$ MHz; $\sigma = 4.59$ S/m; $\epsilon_r = 33.5$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 5500 MHz, ConvF(5.17, 5.17, 5.17) @ 5500 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

4-6 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (41x41x1): Interpolated grid:
 $dx=0.9000$ mm, $dy=0.9000$ mm

Reference Value = 77.50 V/m; Power Drift = 0.01 dB

Fast SAR: SAR(1 g) = 8.1 W/kg; SAR(10 g) = 2.21 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 22.2 W/kg

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

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

Reference Value = 77.50 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 37.0 W/kg

SAR(1 g) = 8.72 W/kg; SAR(10 g) = 2.45 W/kg (SAR corrected for target medium)

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

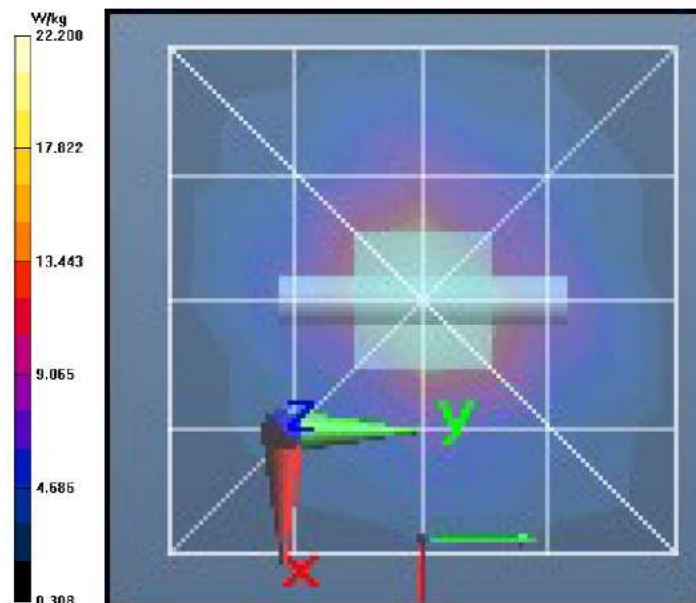
Ratio of SAR at M2 to SAR at M1 = 54%

Maximum value of SAR (measured) = 21.1 W/kg

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

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

Maximum value of SAR (measured) = 22.5 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/19/2021 4:11:24 PM

Robot#: DASY5-PG-1 | Run#: AMN(MHI)-SYSP-5750H-210419-10
 Dipole Model#: D5GHzV2
 Phantom#: SAMTP 1382
 Tissue Temp: 20.7 (C)
 Serial#: 1026
 Test Freq: 5750.0000 (MHz)
 Start Power: 100 (mW)
 Rotation (1D): 0.110 dB
 Adjusted SAR (1W): 81.30 mW/g (1g)

Comments:

Communication System Band: D5GHz (5000.0 - 6000.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 5750$ MHz; $\sigma = 4.84$ S/m; $\epsilon_r = 33.2$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 5750 MHz, ConvF(5.04, 5.04, 5.04) @ 5750 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

4-6 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (41x41x1): Interpolated grid:

dx=0.9000 mm, dy=0.9000 mm

Reference Value = 73.34 V/m; Power Drift = -0.15 dB

Fast SAR: SAR(1 g) = 7.52 W/kg; SAR(10 g) = 2.05 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 21.2 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 = 73.34 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 36.5 W/kg

SAR(1 g) = 8.13 W/kg; SAR(10 g) = 2.28 W/kg (SAR corrected for target medium)

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

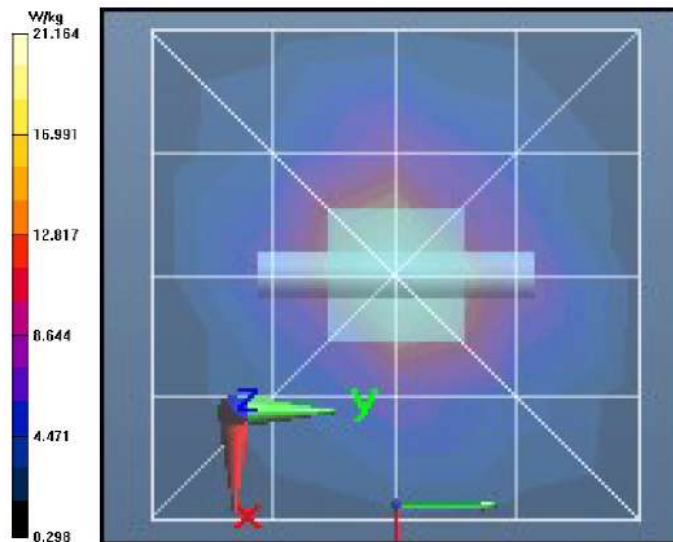
Ratio of SAR at M2 to SAR at M1 = 51.8%

Maximum value of SAR (measured) = 20.1 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) = 21.8 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/20/2021 4:35:59 AM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-SYSP-5250B-210420-03
 Dipole Model#: D5GHzV2
 Phantom#: ELI5 1150
 Tissue Temp: 20.3 (C)
 Serial#: 1026
 Test Freq: 5250.0000 (MHz)
 Start Power: 100 (mW)
 Rotation (1D): 0.13 dB
 Adjusted SAR (1W): 79.70 mW/g (1g)

Comments:

Communication System Band: D5GHz (5000.0 - 6000.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 5250$ MHz; $\sigma = 5.53$ S/m; $\epsilon_r = 44.3$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 5250 MHz, ConvF(4.87, 4.87, 4.87) @ 5250 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

4-6 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (41x41x1): Interpolated grid:

dx=0.9000 mm, dy=0.9000 mm

Reference Value = 70.24 V/m; Power Drift = 0.08 dB

Fast SAR: SAR(1 g) = 7.72 W/kg; SAR(10 g) = 2.11 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 20.4 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 = 70.24 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 33.4 W/kg

SAR(1 g) = 7.97 W/kg; SAR(10 g) = 2.22 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 7.2 mm

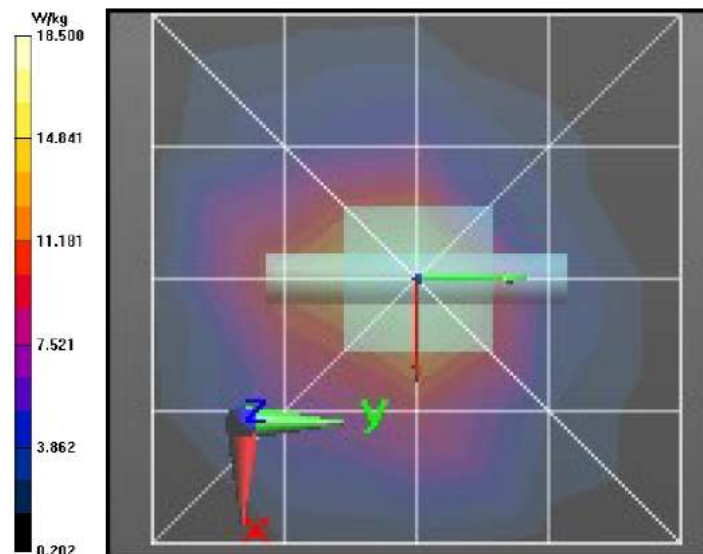
Ratio of SAR at M2 to SAR at M1 = 54%

Maximum value of SAR (measured) = 19.6 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) = 21.4 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/1/2021 2:07:40 AM

Robot#: DASY5-PG-1 | Run#: BL-SYSP-2450H-210501-01
 Dipole Model#: D2450V2
 Phantom#: SAMTP 1382
 Tissue Temp: 20.2 (C)
 Serial#: 703
 Test Freq: 2450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.083 dB
 Adjusted SAR (1W): 54.80 mW/g (1g)

Comments:

Communication System Band: D2450 (2450.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.83$ S/m; $\epsilon_r = 36.2$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2450 MHz, ConvF(8, 8, 8) @ 2450 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

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 = 118.4 V/m; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 14.9 W/kg; SAR(10 g) = 6.79 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 25.9 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 = -0.04 dB

Peak SAR (extrapolated) = 30.4 W/kg

SAR(1 g) = 13.7 W/kg; SAR(10 g) = 6.28 W/kg (SAR corrected for target medium)

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

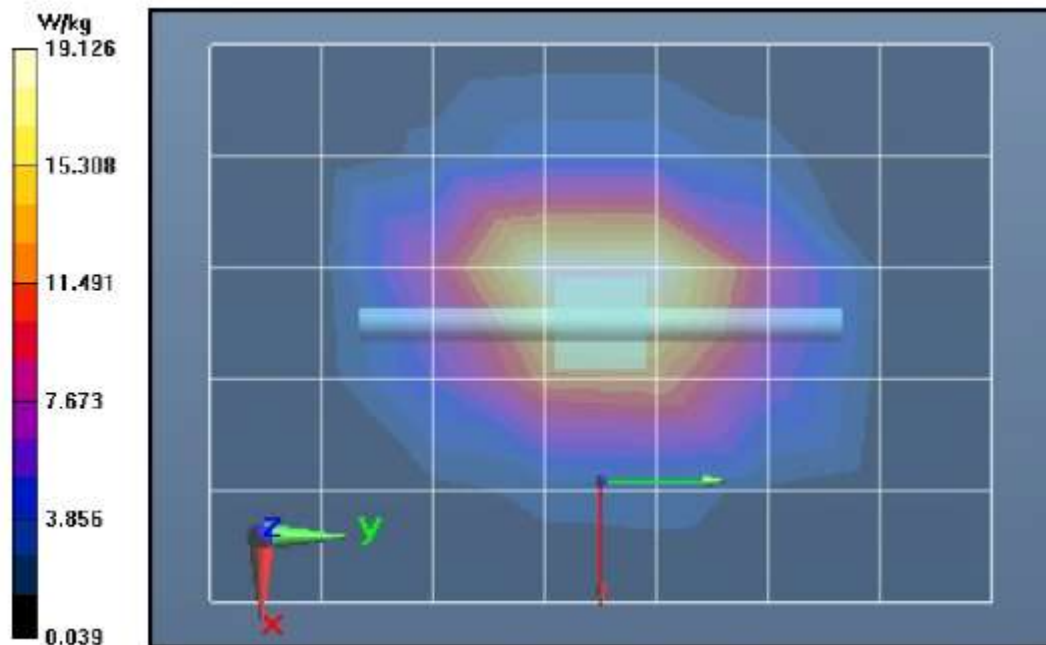
Ratio of SAR at M2 to SAR at M1 = 45.9%

Maximum value of SAR (measured) = 24.2 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) = 24.4 W/kg



Appendix E

DUT Scans

Table 15 – Assessments at the Body (WCDMA B2)**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 4/11/2021 12:17:56 PM

Robot#: DASY5-PG-1 | Run#: MA-AB-210411-09
 Model#: HKUN4112B (LEX L11n)
 Phantom#: ELI4 1022
 Tissue Temp: 20.2 (C)
 Serial#: 790TWX2955
 Antenna: AN000247A01 (Ant 2)
 Test Freq: 1907.6000 (MHz)
 Battery: PMNN4546A
 Carry Acc: Front of DUT @ 10mm
 Audio Acc: None
 Start Power: 0.274 (W)

Comments:

Communication System Band: Band 2, UTRA/FDD (1850.0 - 1910.0 MHz), Communication System UID: 10011 - CAB,
 Duty Cycle: 1:1.95434,

Medium parameters used: $f = 1908 \text{ MHz}$; $\sigma = 1.59 \text{ S/m}$; $\epsilon_r = 51.7$; $\rho = 1000 \text{ kg/m}^3$

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1907.6 MHz, ConvF(8.4, 8.4, 8.4) @ 1907.6 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 21.73 V/m; Power Drift = -0.17 dB

Fast SAR: SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.580 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.54 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 = 21.73 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.568 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 13.4 mm

Ratio of SAR at M2 to SAR at M1 = 58.4%

Maximum value of SAR (measured) = 1.46 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) = 1.53 W/kg

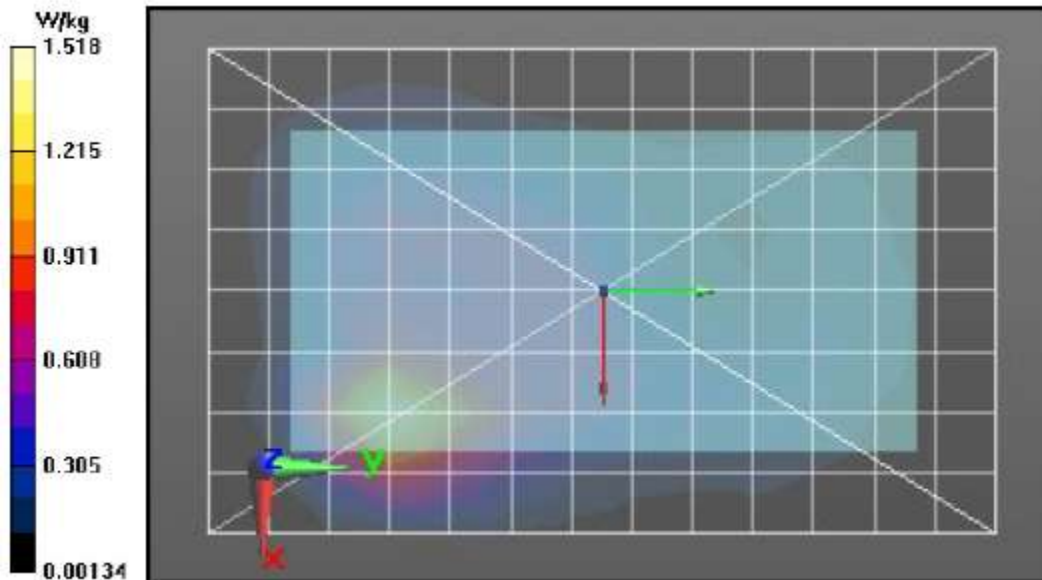


Table 15 – Assessments at the Body (WLAN 2.4GHz)**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/17/2021 3:19:40 AM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-AB-210317-04#
 Model#: HKUN4112B (LEX L11n)
 Phantom#: TP1174-1
 Tissue Temp: 19.4 (C)
 Serial#: 790TWX2961
 Antenna: AN000249A01(Ant 7)
 Test Freq: 2462.0000 (MHz)
 Battery: PMNN4546A
 Carry Acc: Front of DUT @ 10mm
 Audio Acc: None
 Start Power: 0.0687 (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; $\sigma = 2.06$ S/m; $\epsilon_r = 50.6$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2462 MHz, ConvF(8.14, 8.14, 8.14) @ 2462 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

2-3 GHz-Rev.3/Ab Scan/1-Area Scan (111x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 10.75 V/m; Power Drift = -0.80 dB

Fast SAR: SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.080 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.264 W/kg

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

Reference Value = 10.75 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.350 W/kg

SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.087 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 10.8 mm

Ratio of SAR at M2 to SAR at M1 = 53.1%

Maximum value of SAR (measured) = 0.282 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) = 0.295 W/kg

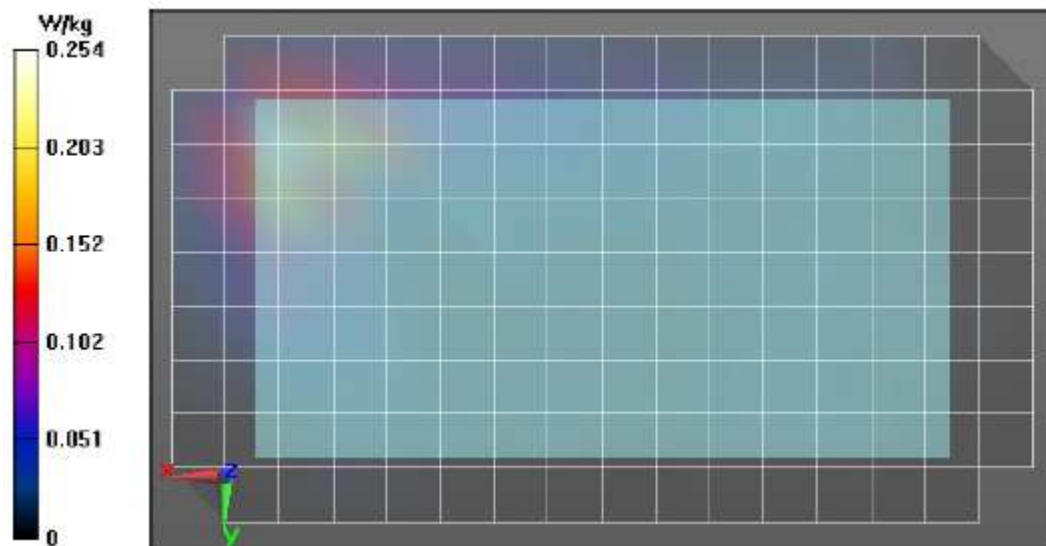


Table 15 – Assessments at the Body (WLAN 5GHz)**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 1/29/2021 4:24:27 AM

Robot#: DASY5-PG-2 | Run#: AR-AB-210129-04#
 Model#: HKUN4112B (LEX L11n)
 Phantom#: ELI4 1028
 Tissue Temp: 19.9 (C)
 Serial#: 790TWX2961
 Antenna: AN000243A01(Ant 4)+ AN000249A01(Ant 7)
 Test Freq: 5620.0000 (MHz)
 Battery: PMNN4546A
 Carry Acc: Back of DUT @ 10mm
 Audio Acc: None
 Start Power: 0.0577 (W)

Comments:

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10583 - AAB, Duty Cycle: 1:7.22936,

Medium parameters used: $f = 5620$ MHz; $\sigma = 6.03$ S/m; $\epsilon_r = 43.9$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7364, Calibrated: 8/20/2020, Frequency: 5620 MHz, ConvF(4.23, 4.23, 4.23) @ 5620 MHz

Electronics: DAE4 Sn1483, Calibrated: 8/12/2020

4-6 GHz-Rev.5/Full Ab Scan/1-Area Scan (131x201x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 12.92 V/m; Power Drift = -0.31 dB

Fast SAR: SAR(1 g) = 0.379 W/kg; SAR(10 g) = 0.161 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.03 W/kg

4-6 GHz-Rev.5/Full Ab Scan/2-Zoom Scan (11x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 12.92 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 4.00 W/kg

SAR(1 g) = 0.304 W/kg; SAR(10 g) = 0.124 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 12.9 mm

Ratio of SAR at M2 to SAR at M1 = 49%

Maximum value of SAR (measured) = 0.772 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) = 0.763 W/kg

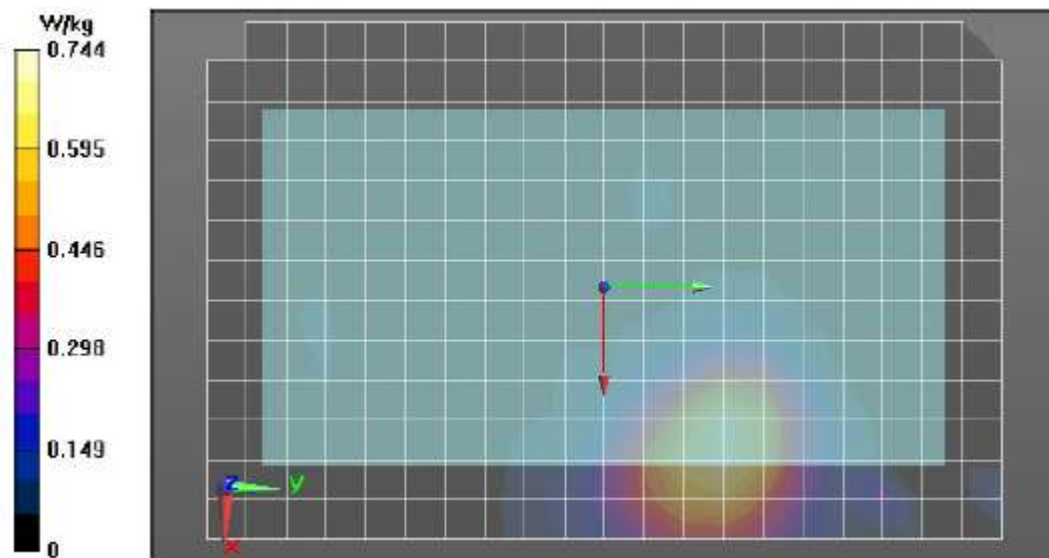


Table 15 – Assessments at the Body (Bluetooth)**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/17/2021 4:50:01 PM

Robot#: DASY5-PG-1 | Run#: MA-AB-210317-13#
 Model#: HKUN4112B (LEX L11n)
 Phantom#: TP1174-1
 Tissue Temp: 20.2 (C)
 Serial#: 790TWX2961
 Antenna: AN000243A01(Ant 4)
 Test Freq: 2402.0000 (MHz)
 Battery: PMNN4546A
 Carry Acc: Front of DUT @ 10mm
 Audio Acc: None
 Start Power: 0.0103 (W)

Comments:

Communication System Band: LEX L11 BT, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.98$ S/m; $\epsilon_r = 50.8$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2402 MHz, ConvF(8.14, 8.14, 8.14) @ 2402 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

2-3 GHz-Rev.3/Ab Scan/1-Area Scan (11x16x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 2.480 V/m; Power Drift = 0.04 dB

Fast SAR: SAR(1 g) = 0.00904 W/kg; SAR(10 g) = 0.00497 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0162 W/kg

2-3 GHz-Rev.3/Ab Scan/3-Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.480 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.0250 W/kg

SAR(1 g) = 0.00451 W/kg; SAR(10 g) = 0.00172 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 = 47.1%

Maximum value of SAR (measured) = 0.0126 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) = 0.0123 W/kg

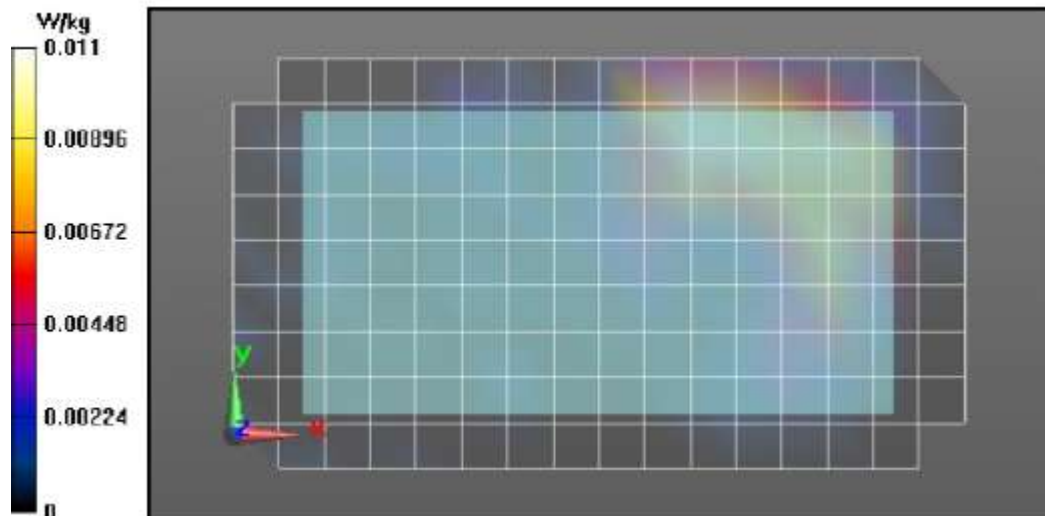


Table 16 – Assessments at the Hotspot (WCDMA B2)**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 4/12/2021 1:36:22 PM

Robot#: DASY5-PG-1 | Run#: MA-AB-210412-08
 Model#: HKUN4112B (LEX L11n)
 Phantom#: ELI4 1022
 Tissue Temp: 20.1 (C)
 Serial#: 790TWX2955
 Antenna: AN000247A01 (Ant 2)
 Test Freq: 1880.0000 (MHz)
 Battery: PMNN4546A
 Carry Acc: Right Side of DUT @ 10mm
 Audio Acc: None
 Start Power: 0.280 (W)

Comments:

Communication System Band: Band 2, UTRA/FDD (1850.0 - 1910.0 MHz), Communication System UID: 10011 - CAB,
 Duty Cycle: 1:1.95434,

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ S/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1880 MHz, ConvF(8.4, 8.4, 8.4) @ 1880 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 31.11 V/m; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 1.37 W/kg; SAR(10 g) = 0.766 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.02 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 = 31.11 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.16 W/kg

SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.754 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 14.8 mm

Ratio of SAR at M2 to SAR at M1 = 60%

Maximum value of SAR (measured) = 1.85 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) = 1.86 W/kg

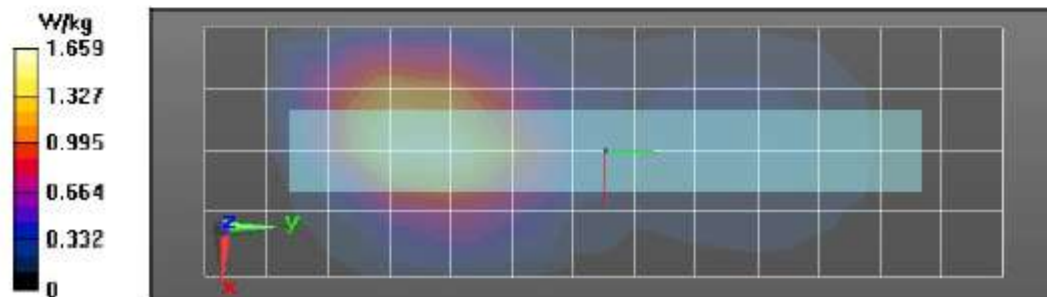


Table 16 – Assessments at the Hotspot (WLAN 2.4GHz)**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/17/2021 3:19:40 AM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-AB-210317-04#
 Model#: HKUN4112B (LEX L11n)
 Phantom#: TP1174-1
 Tissue Temp: 19.4 (C)
 Serial#: 790TWX2961
 Antenna: AN000249A01(Ant 7)
 Test Freq: 2462.0000 (MHz)
 Battery: PMNN4546A
 Carry Acc: Front of DUT @ 10mm
 Audio Acc: None
 Start Power: 0.0687 (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; $\sigma = 2.06$ S/m; $\epsilon_r = 50.6$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2462 MHz, ConvF(8.14, 8.14, 8.14) @ 2462 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

2-3 GHz-Rev.3/Ab Scan/1-Area Scan (111x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 10.75 V/m; Power Drift = -0.80 dB

Fast SAR: SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.080 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.264 W/kg

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

Reference Value = 10.75 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.350 W/kg

SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.087 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 10.8 mm

Ratio of SAR at M2 to SAR at M1 = 53.1%

Maximum value of SAR (measured) = 0.282 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) = 0.295 W/kg

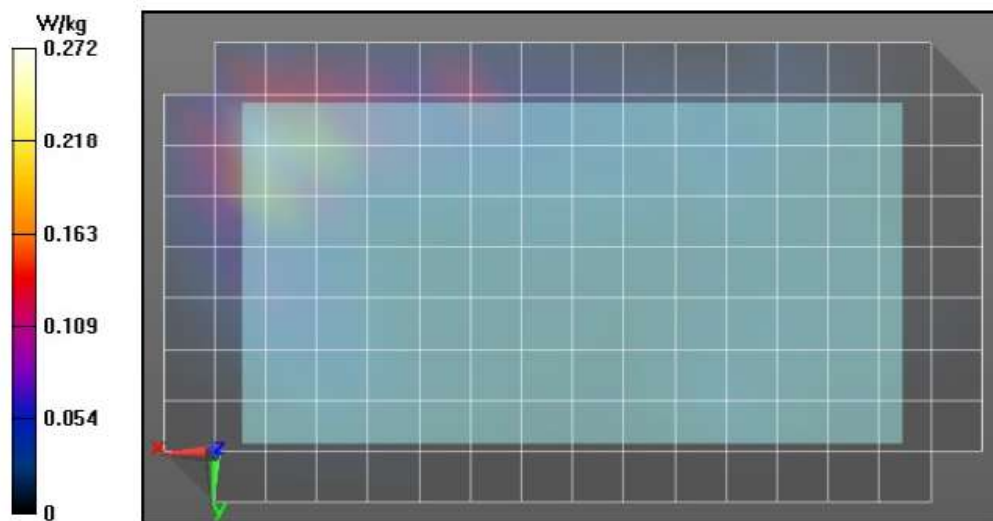


Table 16 – Assessments at the Hotspot (WLAN 5GHz)**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/19/2021 8:05:15 PM

Robot#: DASY5-PG-2 | Run#: BL(MFR)-AB-210319-11#
 Model#: HKUN4112B (LEX L11n)
 Phantom#: TP1174/2
 Tissue Temp: 20.3(C)
 Serial#: 790TWX2961
 Antenna: AN000243A01(Ant 4)+ AN000249A01(Ant 7)
 Test Freq: 5240.0000 (MHz)
 Battery: PMNN4546A
 Carry Acc: Left Side of DUT @ 10 mm
 Audio Acc: None
 Start Power: 0.0571 (W)

Comments:

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10583 - AAB, Duty Cycle: 1:7.22936,

Medium parameters used: $f = 5240$ MHz; $\sigma = 5.46$ S/m; $\epsilon_r = 44.8$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7364, Calibrated: 8/20/2020, Frequency: 5240 MHz, ConvF(4.8, 4.8, 4.8) @ 5240 MHz

Electronics: DAE4 Sn1483, Calibrated: 8/12/2020

4-6 GHz-Rev.5/Full Ab Scan/1-Area Scan (51x201x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 11.27 V/m; Power Drift = 0.18 dB

Fast SAR: SAR(1 g) = 0.522 W/kg; SAR(10 g) = 0.195 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.17 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 = 11.27 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 0.524 W/kg; SAR(10 g) = 0.187 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 11.1 mm

Ratio of SAR at M2 to SAR at M1 = 53.6%

Maximum value of SAR (measured) = 1.20 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) = 1.22 W/kg

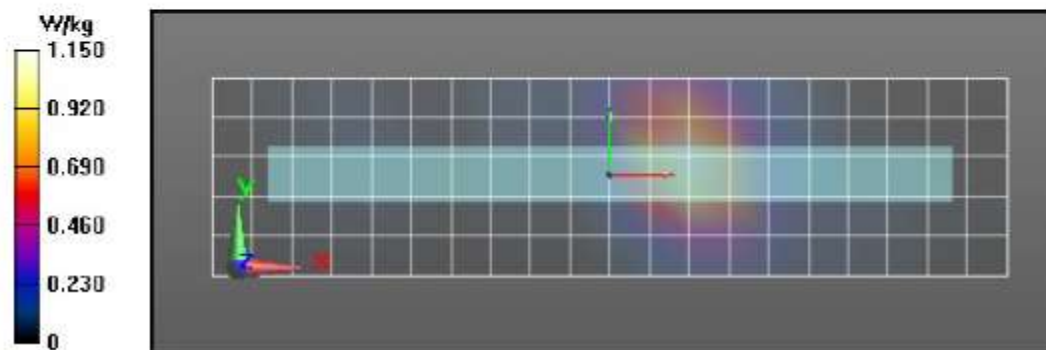


Table 16 – Assessments at the Hotspot (Bluetooth)**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 3/17/2021 4:50:01 PM

Robot#: DASY5-PG-1 | Run#: MA-AB-210317-13#
 Model#: HKUN4112B (LEX L11n)
 Phantom#: TP1174-1
 Tissue Temp: 20.2 (C)
 Serial#: 790TWX2961
 Antenna: AN000243A01(Ant 4)
 Test Freq: 2402.0000 (MHz)
 Battery: PMNN4546A
 Carry Acc: Front of DUT @ 10mm
 Audio Acc: None
 Start Power: 0.0103 (W)

Comments:

Communication System Band: LEX L11 BT, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.98$ S/m; $\epsilon_r = 50.8$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2402 MHz, ConvF(8.14, 8.14, 8.14) @ 2402 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

2-3 GHz-Rev.3/Ab Scan/1-Area Scan (111x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
 Reference Value = 2.480 V/m; Power Drift = 0.04 dB
 Fast SAR: SAR(1 g) = 0.00904 W/kg; SAR(10 g) = 0.00497 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 0.0162 W/kg

2-3 GHz-Rev.3/Ab Scan/3-Zoom Scan (9x9x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
 Reference Value = 2.480 V/m; Power Drift = -0.02 dB
 Peak SAR (extrapolated) = 0.0250 W/kg
 SAR(1 g) = 0.00451 W/kg; SAR(10 g) = 0.00172 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 = 47.1%
 Maximum value of SAR (measured) = 0.0126 W/kg

2-3 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 Maximum value of SAR (measured) = 0.0123 W/kg

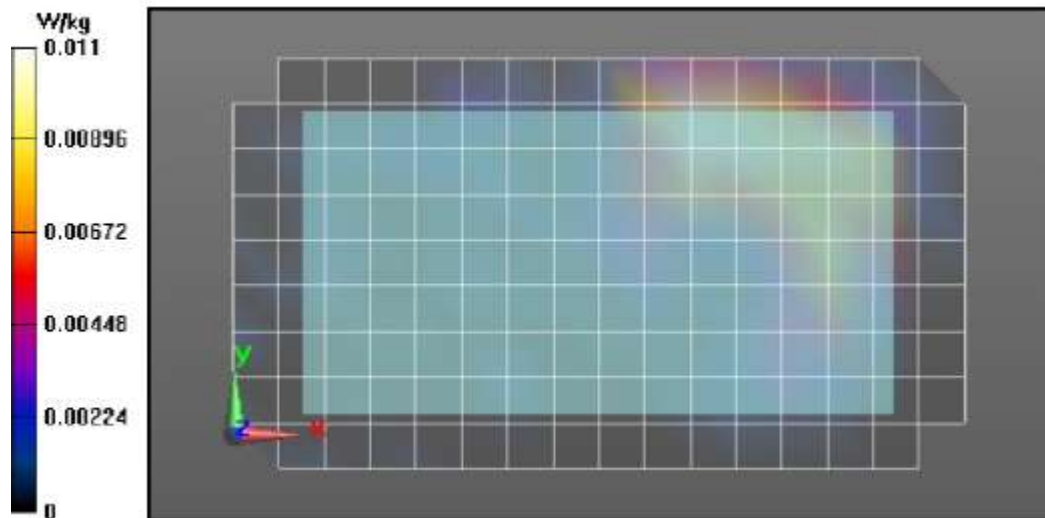


Table 17 – Assessments at the Head (LTE B30)

Motorola Solutions, Inc. EME Laboratory
 Date/Time: 3/14/2021 2:45:26 AM

Robot#: DASY5-PG-1 | Run#: MA-REAR-210314-05#
 Model#: HKUN4112B (LEX L11n)
 Phantom#: SAMTP 1382
 Tissue Temp: 20.3 (C)
 Serial#: 790TWX2955
 Antenna: AN000247A01 (Ant 2)
 Test Freq: 2310.0000 (MHz)
 Battery: PMNN4546A
 Carry Acc: Touch
 Audio Acc: None
 Start Power: 0.202 (W)

Comments: Touch, 1RB, BW=10MHz, Offset=Mid

Communication System Band: Band 30, E-UTRA/FDD (2305.0 - 2315.0 MHz), Communication System UID: 10175 - CAG,
 Duty Cycle: 1:3.73594,

Medium parameters used: $f = 2310$ MHz; $\sigma = 1.69$ S/m; $\epsilon_r = 36.7$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2310 MHz, ConvF(8.35, 8.35, 8.35) @ 2310 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

2-3 GHz-Rev.3/Right Ear-Touch Position/1-Area Scan (91x151x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Reference Value = 23.71 V/m; Power Drift = -0.02 dB

Fast SAR: SAR(1 g) = 0.926 W/kg; SAR(10 g) = 0.494 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.43 W/kg

2-3 GHz-Rev.3/Right Ear-Touch Position/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid:

$dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 23.71 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 0.928 W/kg; SAR(10 g) = 0.514 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 11.3 mm

Ratio of SAR at M2 to SAR at M1 = 57.6%

Maximum value of SAR (measured) = 1.37 W/kg

2-3 GHz-Rev.3/Right Ear-Touch Position/4-Z-Axis Scan (1x1x17): Measurement grid:

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

Maximum value of SAR (measured) = 1.40 W/kg

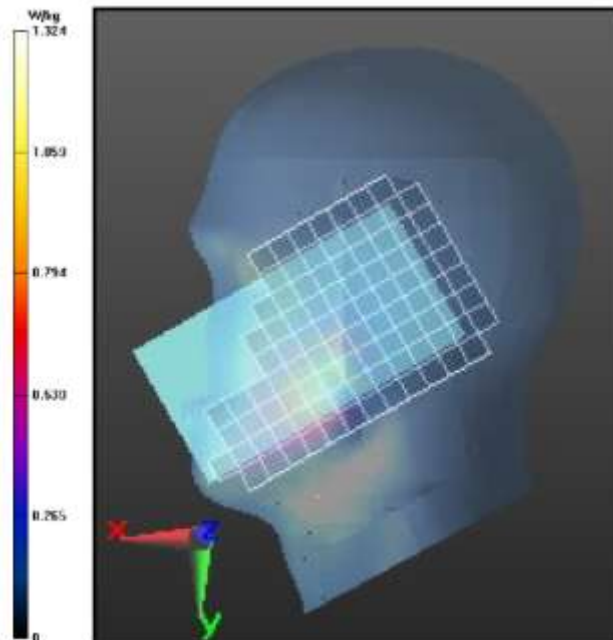


Table 17 – Assessments at the Head (WLAN 2.4GHz)

Motorola Solutions, Inc. EME Laboratory
Date/Time: 3/28/2021 12:12:17 AM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-LEAR-210328-01#
Model#: HKUN4112B (LEX L11n)
Phantom#: SAMTP 1384
Tissue Temp: 20.8 (C)
Serial#: 790TWX2961
Antenna: AN000249A01(Ant 7)
Test Freq: 2437(CH 6) (MHz)
Battery: PMNN4546A
Carry Acc: Touch
Audio Acc: None
Start Power: 0.0682 (W)

Comments: Touch

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

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.84$ S/m; $\epsilon_r = 35.5$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 2437 MHz, ConvF(8, 8, 8) @ 2437 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

2-3 GHz-Rev.3/Left Ear-Touch position/1-Area Scan (91x191x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 22.00 V/m; Power Drift = -0.23 dB

Fast SAR: SAR(1 g) = 0.785 W/kg; SAR(10 g) = 0.363 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.46 W/kg

2-3 GHz-Rev.3/Left Ear-Touch position/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid:

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

Reference Value = 22.00 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 2.20 W/kg

SAR(1 g) = 0.845 W/kg; SAR(10 g) = 0.346 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 38.7%

Maximum value of SAR (measured) = 1.66 W/kg

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

Maximum value of SAR (measured) = 1.63 W/kg

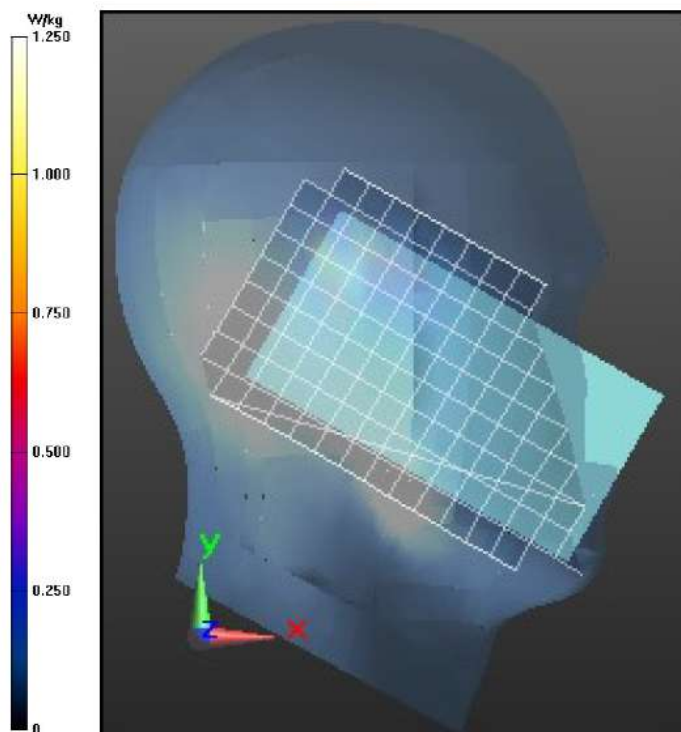


Table 17 – Assessments at the Head (WLAN 5GHz)**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 4/20/2021 1:08:15 AM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-LEAR-210420-01#
 Model#: HKUN4112B (LEX L11n)
 Phantom#: SAMTP 1382
 Tissue Temp: 19.8 (C)
 Serial#: 790TWX2961
 Antenna: AN000243A01(Ant 4)+ AN000249A01(Ant 7)
 Test Freq: 5500.0000 (MHz)
 Battery: PMNN4546A
 Carry Acc: Touch
 Audio Acc: None
 Start Power: 0.0974 (W)

Comments: Full Scan; Touch

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10583 - AAB, Duty Cycle: 1:7.22936,

Medium parameters used: $f = 5500$ MHz; $\sigma = 4.59$ S/m; $\epsilon_r = 33.5$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 5500 MHz, ConvF(5.17, 5.17, 5.17) @ 5500 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

4-6 GHz-Rev.5/Full Scan Left Ear-Touch Position/1-Area Scan (131x221x1): Interpolated

grid: $dx=0.9000$ mm, $dy=0.9000$ mm

Reference Value = 20.38 V/m; Power Drift = -0.39 dB

Fast SAR: SAR(1 g) = 0.824 W/kg; SAR(10 g) = 0.248 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.45 W/kg

4-6 GHz-Rev.5/Full Scan Left Ear-Touch Position/2-Zoom Scan (9x9x12)/Cube 0:

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

Reference Value = 20.38 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 4.11 W/kg

SAR(1 g) = 0.879 W/kg; SAR(10 g) = 0.255 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 52%

Maximum value of SAR (measured) = 2.13 W/kg

4-6 GHz-Rev.5/Full Scan Left Ear-Touch Position/3-Z-Axis Scan (1x1x17): Measurement

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

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

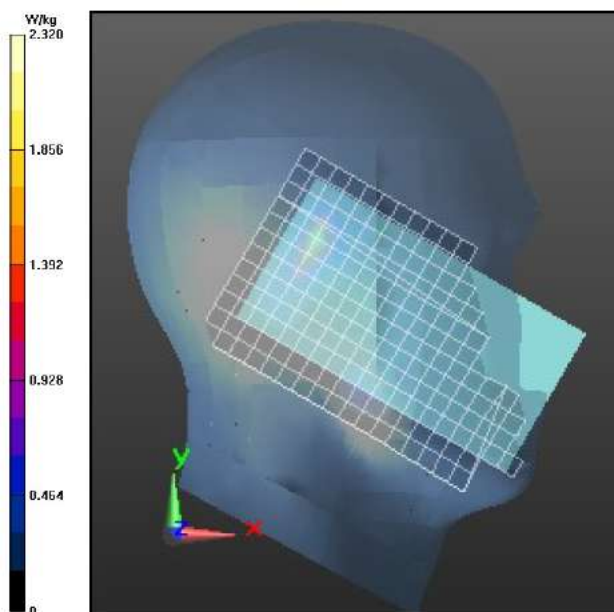


Table 17 – Assessments at the Head (Bluetooth)

Motorola Solutions, Inc. EME Laboratory
Date/Time: 3/18/2021 3:19:20 PM

Robot#: DASY5-PG-1 | Run#: MA(AF)-REAR-210318-06
 Model#: HKUN4112B (LEX L11n)
 Phantom#: SAMTP 1382
 Tissue Temp: 20.5 (C)
 Serial#: 790TWX2961
 Antenna: AN000243A01 (Ant 4)
 Test Freq: 2402.0000 (MHz)
 Battery: PMNN4546A
 Carry Acc: Touch
 Audio Acc: None
 Start Power: 0.0103 (W)

Comments: Touch

Communication System Band: LEX L11 BT, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 2402$ MHz; $\sigma = 1.76$ S/m; $\epsilon_r = 35.7$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7364, Calibrated: 8/20/2020, Frequency: 2402 MHz, CouvF(7.67, 7.67, 7.67) @ 2402 MHz

Electronics: DAE4 Sn1483, Calibrated: 8/12/2020

2-3 GHz-Rev.3/Right Ear-Touch Position/1-Area Scan (91x181x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Reference Value = 4.404 V/m; Power Drift = -0.29 dB

Fast SAR: SAR(1 g) = 0.044 W/kg; SAR(10 g) = 0.021 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0714 W/kg

2-3 GHz-Rev.3/Right Ear-Touch Position/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid:

$dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.404 V/m; Power Drift = -0.23 dB

Peak SAR (extrapolated) = 0.136 W/kg

SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.00905 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 = 47.4%

Maximum value of SAR (measured) = 0.0687 W/kg

2-3 GHz-Rev.3/Right Ear-Touch Position/4-Z-Axis Scan (1x1x17): Measurement grid:

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

Maximum value of SAR (measured) = 0.0657 W/kg

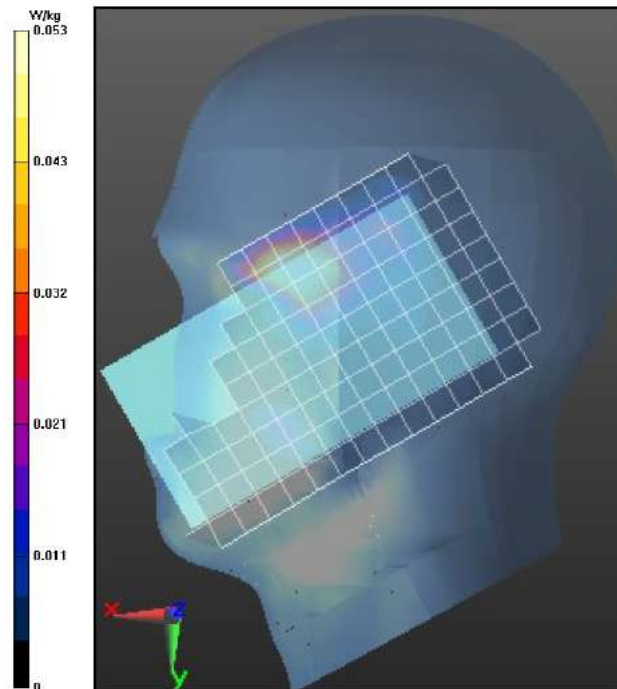


Table 18 – Assessments for Phablet condition (Product Specific 10g SAR Exposure)**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 5/1/2021 1:16:44 PM

Robot#: DASY5-PG-1 | Run#: BL(MHI)-AB-210501-09
 Model#: HKUN4112B (LEX L11n)
 Phantom#: ELI4 1109
 Tissue Temp: 21.0 (C)
 Serial#: 790TWX2955
 Antenna: AN000247A01 (Ant 2)
 Test Freq: 1752.6000 (MHz)
 Battery: PMNN4546A
 Carry Acc: Right Side of DUT @ 0mm
 Audio Acc: None
 Start Power: 0.251 (W)

Comments:

Communication System Band: Band 4, UTRA/FDD (1710.0 - 1755.0 MHz), Communication System UID: 10011 - CAB,
 Duty Cycle: 1:1.95434,

Medium parameters used: $f = 1753$ MHz; $\sigma = 1.41$ S/m; $\epsilon_r = 39.3$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1752.6 MHz, ConvF(8.79, 8.79, 8.79) @ 1752.6 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (131x31x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 66.00 V/m; Power Drift = -0.16 dB

Fast SAR: SAR(10 g) = 3.13 W/kg (SAR corrected for target medium)

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

Reference Value = 66.00 V/m; Power Drift = -0.15 dB

SAR(10 g) = 2.7 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 = 38.2%

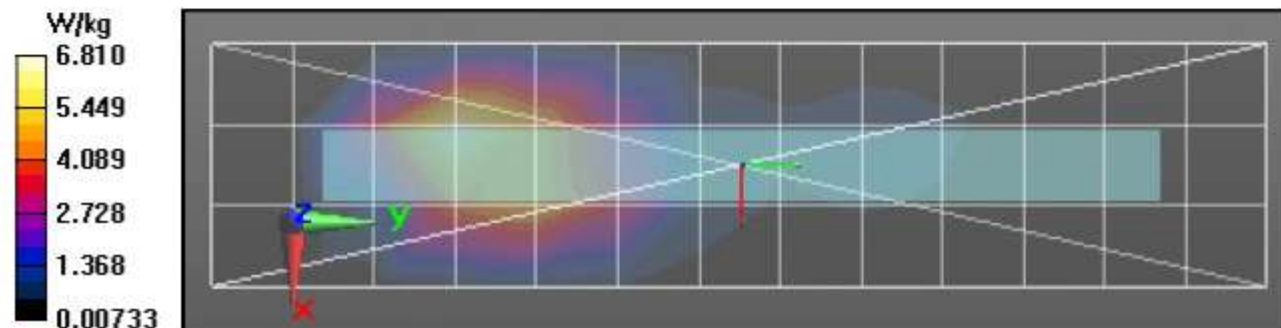
Below 2 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Table 19 – Assessments for ISED Canada (Hotspot)**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 4/12/2021 2:16:26 PM

Robot#: DASY5-PG-1 | Run#: MA-AB-210412-09
 Model#: HKUN4112B (LEX L11n)
 Phantom#: ELI4 1022
 Tissue Temp: 19.9 (C)
 Serial#: 790TWX2955
 Antenna: AN000247A01 (Ant 2)
 Test Freq: 1907.6000 (MHz)
 Battery: PMNN4546A
 Carry Acc: Right Side of DUT @ 10mm
 Audio Acc: None
 Start Power: 0.274 (W)

Comments:

Communication System Band: Band 2, UTRA/FDD (1850.0 - 1910.0 MHz), Communication System UID: 10011 - CAB,
 Duty Cycle: 1:1.95434,

Medium parameters used: $f = 1908 \text{ MHz}$; $\sigma = 1.57 \text{ S/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1907.6 MHz, ConvF(8.4, 8.4, 8.4) @ 1907.6 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 31.65 V/m; Power Drift = -0.14 dB

Fast SAR: SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.699 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.84 W/kg

Below 2 GHz-Rev.3/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 = 31.65 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.95 W/kg

SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.684 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 13.5 mm

Ratio of SAR at M2 to SAR at M1 = 59.6%

Maximum value of SAR (measured) = 1.66 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) = 1.64 W/kg

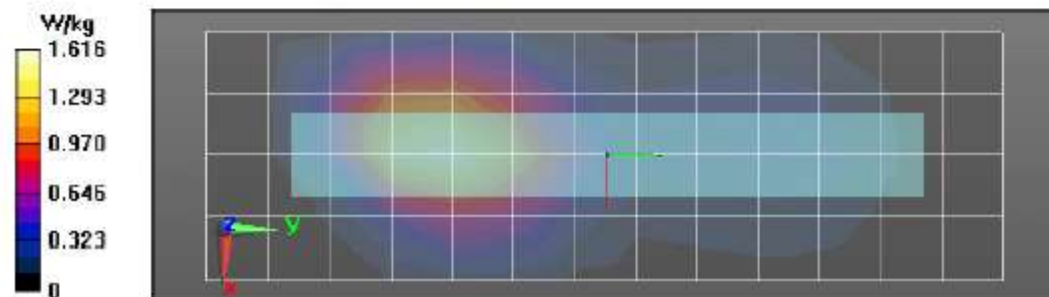


Table 19 – Assessments for ISED Canada (Head)

Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/19/2021 11:24:30 PM

Robot#: DASY5-PG-1 | Run#: AR(FZ)-LEAR-210419-13
 Model#: HKUN4112B (LEX L11n)
 Phantom#: SAMTP 1382
 Tissue Temp: 19.8 (C)
 Serial#: 790TWX2961
 Antenna: AN000243A01(Ant 4)+ AN000249A01(Ant 7)
 Test Freq: 5720.0000 (MHz)
 Battery: PMNN4546A
 Carry Acc: Touch
 Audio Acc: None
 Start Power: 0.103 (W)

Comments: Full Scan; Touch

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10583 - AAB, Duty Cycle: 1:7.22936,

Medium parameters used: $f = 5720$ MHz, $\sigma = 4.81$ S/m, $\epsilon_r = 33.2$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 5720 MHz, ConvF(5.04, 5.04, 5.04) @ 5720 MHz
 Electronics: DAE4 Sn688, Calibrated: 8/13/2020

4-6 GHz-Rev.5/Full Scan Left Ear-Touch Position/1-Area Scan (131x221x1): Interpolated

grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 19.15 V/m; Power Drift = -0.45 dB

Fast SAR: SAR(1 g) = 0.584 W/kg; SAR(10 g) = 0.168 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.89 W/kg

4-6 GHz-Rev.5/Full Scan Left Ear-Touch Position/2-Zoom Scan (8x8x12)/Cube 0:

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

Reference Value = 19.15 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 3.39 W/kg

SAR(1 g) = 0.669 W/kg; SAR(10 g) = 0.180 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 5.4 mm

Ratio of SAR at M2 to SAR at M1 = 49.4%

Maximum value of SAR (measured) = 1.89 W/kg

4-6 GHz-Rev.5/Full Scan Left Ear-Touch Position/3-Z-Axis Scan (1x1x17): Measurement

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

Maximum value of SAR (measured) = 1.55 W/kg

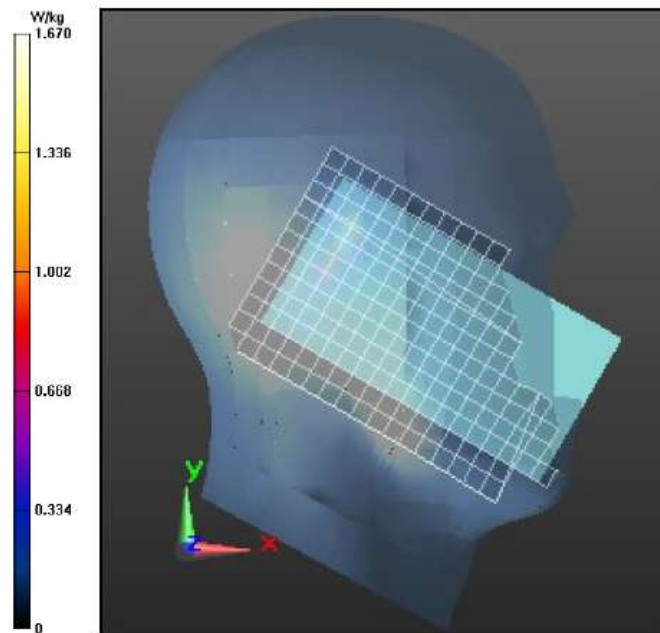


Table 19 – Assessments for ISED Canada (Body)**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 4/11/2021 12:17:56 PM

Robot#: DASY5-PG-1 | Run#: MA-AB-210411-09
 Model#: HKUN4112B (LEX L11n)
 Phantom#: ELI4 1022
 Tissue Temp: 20.2 (C)
 Serial#: 790TWX2955
 Antenna: AN000247A01 (Ant 2)
 Test Freq: 1907.6000 (MHz)
 Battery: PMNN4546A
 Carry Acc: Front of DUT @ 10mm
 Audio Acc: None
 Start Power: 0.274 (W)

Comments:

Communication System Band: Band 2, UTRA/FDD (1850.0 - 1910.0 MHz), Communication System UID: 10011 - CAB,
 Duty Cycle: 1:1.95434,

Medium parameters used: $f = 1908$ MHz; $\sigma = 1.59$ S/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7485, Calibrated: 8/20/2020, Frequency: 1907.6 MHz, ConvF(8.4, 8.4, 8.4) @ 1907.6 MHz

Electronics: DAE4 Sn688, Calibrated: 8/13/2020

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 21.73 V/m; Power Drift = -0.17 dB

Fast SAR: SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.580 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.54 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 = 21.73 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.568 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 13.4 mm

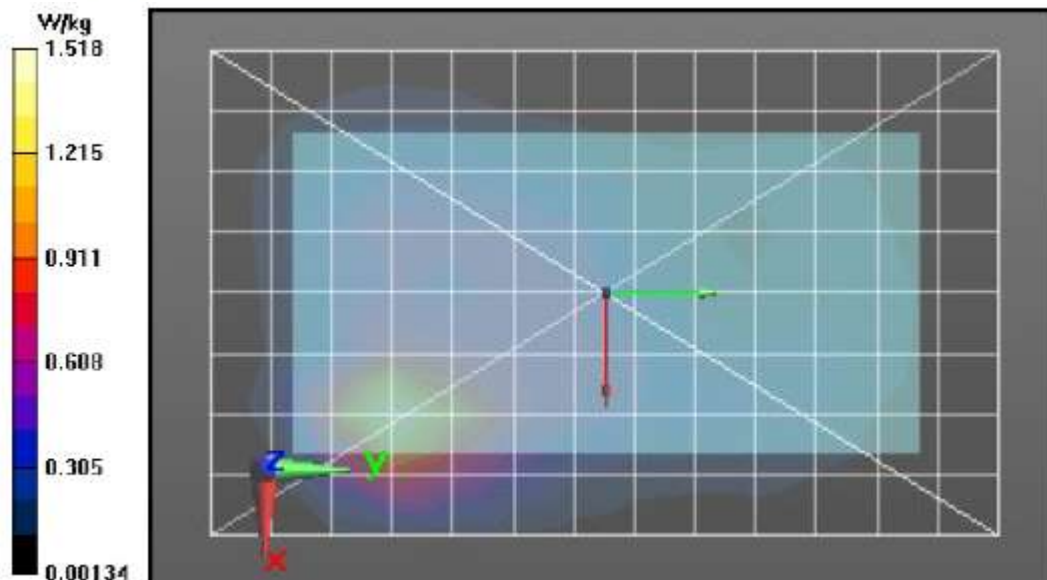
Ratio of SAR at M2 to SAR at M1 = 58.4%

Maximum value of SAR (measured) = 1.46 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) = 1.53 W/kg



APPENDIX F

DUT Test Position Photos

1.0 Highest SAR Test Position per location

1.1 Body

Front of DUT and battery PMNN4546A positioned 10mm away from the phantom without any other accessories attached.



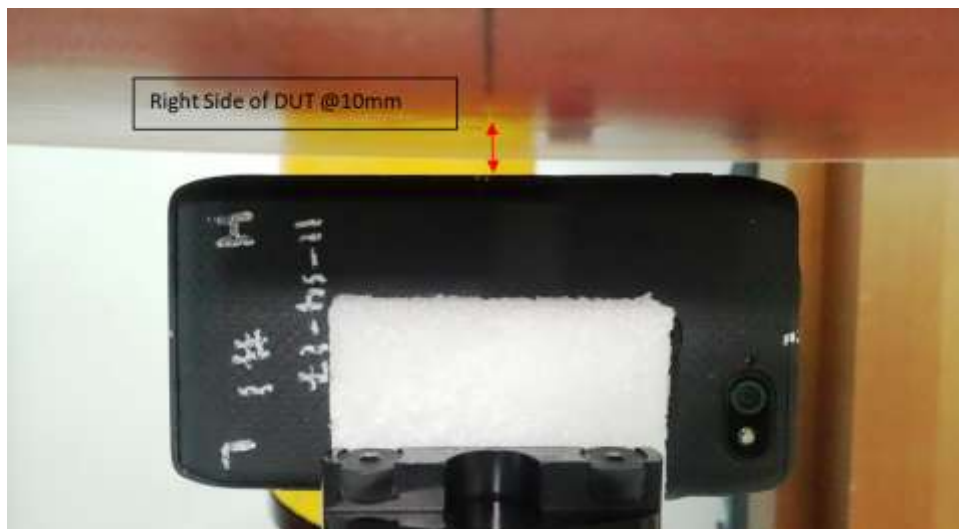
1.2 Head

DUT with battery PMNN4546A positioned against the phantom in a right cheek touch position without any other accessory attached.



1.3 Hotspot

Right Side of DUT with battery PMNN4546A positioned 10mm away from the phantom without any other accessories attached.



APPENDIX G

DUT, Body worn and audio accessories Photos

For other accessories, please refer to original filing report