MOTOROLA SOLUTIONS

MS ISO/IEC 17025 TESTING SAMM No. 0826

ACCREDITED CERTIFICATE 2518.05

DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2

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: 03/16/2022
Report Revision: A

Responsible Engineer:	Sin Keng Lee (EME Engineer)
Report Author:	Lee Kin Kting (EME Technician)
Date/s Tested:	1/18/2022-2/9/2022
Manufacturer:	Motorola Solutions Inc.
DUT Description:	Handheld Portable – XPR 3300e 136-174 5W NKP CFS WiFi TIA4950
Test TX mode(s):	CW (PTT) , Bluetooth, WLAN 802.11 b/g/n
Max. Power output:	Refer to Table 3
Tx Frequency Bands:	Refer to Table 3
Signaling type:	FM (LMR), FHSS (Bluetooth), 802.11 b/g/n (WLAN)
Model(s) Tested:	AAH02JDC9VA1AN (PMUD3506B)/PMUD3506BAANKA
Model(s) Certified:	AAH02JDC9VA1AN (PMUD3506B)/PMUD3506BAANKA; AAH02JDH9VA1AN (PMUD3505B)/PMUD3505BABNKA; AAH02JDC9VA1AN (PMUD2629E)/PMUD2629EAANKA; AAH02JDH9VA1AN (PMUD2627E)/PMUD2627EABNKA
Serial Number(s):	446TYB6677, 446TYB6682
Classification:	Occupational/Controlled
Applicant Name:	Motorola Solutions Inc.
Applicant Address:	8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322
FCC ID:	AZ489FT7163; LMR 150.8-173.4 MHz, Bluetooth 2.402-2.480 GHz, WLAN 802.11 b/g/n 2.412-2.462 GHz
IC:	109U-89FT7163
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 8 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: 3/17/2022

Appendix D
System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/18/2022 12:07:03 AM

Robot#: DASY5-PG-3 | Run#:	BAD(DAN)-SYSP-150H-220118-01#
Dipole Model#	CLA-150
Phantom#:	ELI5 1147
Tissue Temp:	21.4 (C)
Serial#:	4010
Test Freq:	150.0000 (MHz)
Start Power:	1000 (mW)
Rotation (1D):	0.25 dB
Adjusted SAR (1W):	3.83 mW/g (1g)

Comments:

Communication System Band: CLA150, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 150 MHz; σ = 0.73 S/m; ε_r = 50.5; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 150 MHz, ConvF(14.08, 14.08, 14.08) @ 150 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):

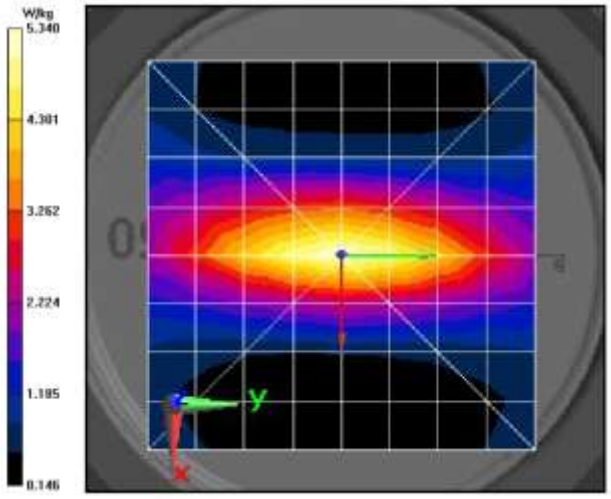
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 85.79 V/m; Power Drift = -0.03 dB
Fast SAR: SAR(1 g) = 4.59 W/kg; SAR(10 g) = 3.26 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.42 W/kg

Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 85.79 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 6.50 W/kg
SAR(1 g) = 3.83 W/kg; SAR(10 g) = 2.48 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 16.5 mm
Ratio of SAR at M2 to SAR at M1 = 58.5%
Maximum value of SAR (measured) = 5.34 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) = 5.36 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/18/2022 9:02:10 PM

Robot#: DASY5-PG-3 | Run#:	BAD-SYSP-150H-220118-15
Dipole Model#	CLA-150
Phantom#:	ELI5 1147
Tissue Temp:	20.9 (C)
Serial#:	4010
Test Freq:	150.0000 (MHz)
Start Power:	1000 (mW)
Rotation (1D):	0.25 dB
Adjusted SAR (1W):	3.65 mW/g (1g)

Comments:

Communication System Band: CLA150, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 150 MHz; σ = 0.73 S/m; ε_r = 49.8; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 150 MHz, ConvF(14.08, 14.08, 14.08) @ 150 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):

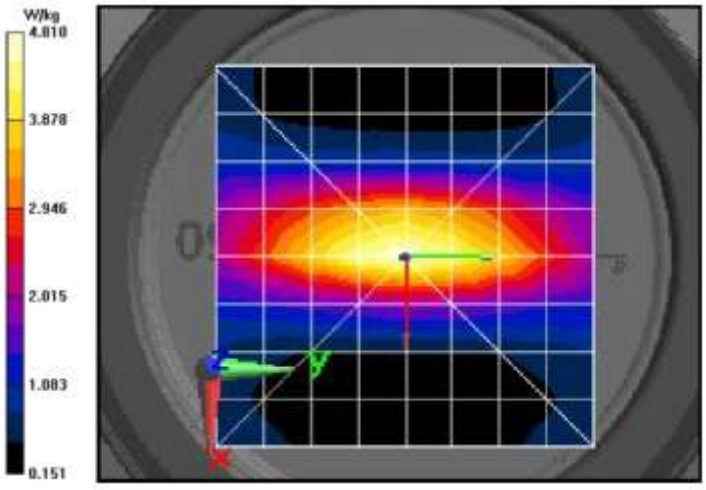
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 83.65 V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 4.34 W/kg; SAR(10 g) = 3.08 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.15 W/kg

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 = 83.65 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 6.25 W/kg
SAR(1 g) = 3.65 W/kg; SAR(10 g) = 2.37 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 16.2 mm
Ratio of SAR at M2 to SAR at M1 = 58.4%
Maximum value of SAR (measured) = 5.11 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) = 5.08 W/kg



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Date/Time: 1/19/2022 9:02:06 PM

Robot#: DASY5-PG-3 | Run#:	BAD-SYSP-150H-220119-18
Dipole Model#	CLA-150
Phantom#:	ELI5 1147
Tissue Temp:	21.1 (C)
Serial#:	4010
Test Freq:	150.0000 (MHz)
Start Power:	1000 (mW)
Rotation (1D):	0.19 dB
Adjusted SAR (1W):	3.77 mW/g (1g)

Comments:

Communication System Band: CLA150, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 150 MHz; σ = 0.75 S/m; ε_r = 50.6; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 150 MHz, ConvF(14.08, 14.08, 14.08) @ 150 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):

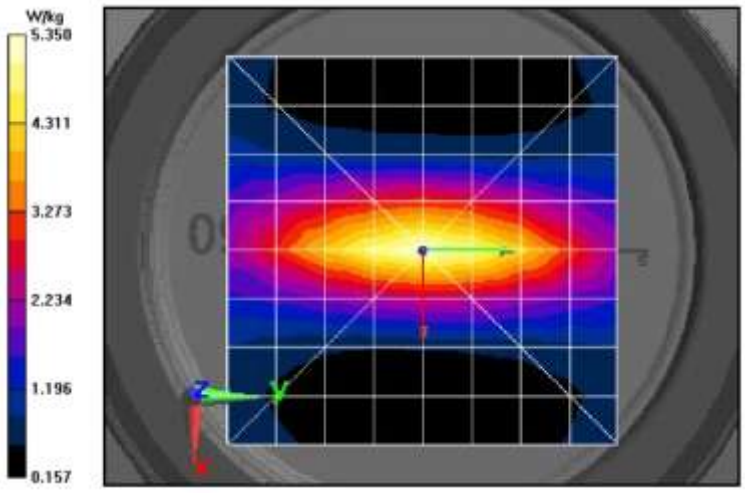
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 84.31 V/m; Power Drift = -0.13 dB
Fast SAR: SAR(1 g) = 4.49 W/kg; SAR(10 g) = 3.19 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.42 W/kg

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 = 84.31 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 6.56 W/kg
SAR(1 g) = 3.77 W/kg; SAR(10 g) = 2.44 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 = 58.4%
Maximum value of SAR (measured) = 5.34 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) = 5.40 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/20/2022 8:43:29 PM

Robot#: DASY5-PG-3 | Run#: BAD(DAN)-SYSP-150H-220120-21
Dipole Model# CLA-150
Phantom#: ELI5 1147
Tissue Temp: 21.5 (C)
Serial#: 4010
Test Freq: 150.0000 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.21 dB
Adjusted SAR (1W): 3.63 mW/g (1g)

Comments:

Communication System Band: CLA150, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 150 MHz; σ = 0.73 S/m; ε_r = 50.2; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 150 MHz, ConvF(14.08, 14.08, 14.08) @ 150 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):

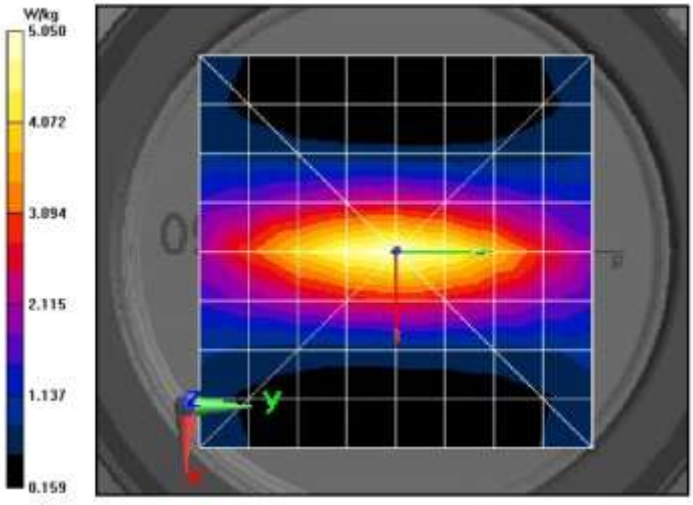
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 82.95 V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 4.3 W/kg; SAR(10 g) = 3.05 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.09 W/kg

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 = 82.95 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 6.21 W/kg
SAR(1 g) = 3.63 W/kg; SAR(10 g) = 2.35 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 15 mm
Ratio of SAR at M2 to SAR at M1 = 58.3%
Maximum value of SAR (measured) = 5.06 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) = 5.01 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/21/2022 8:54:04 PM

Robot#: DASY5-PG-3 | Run#:	BAD(DAN)-SYSP-150H-220121-22
Dipole Model#	CLA-150
Phantom#:	ELI5 1147
Tissue Temp:	21.5(C)
Serial#:	4010
Test Freq:	150.0000 (MHz)
Start Power:	1000 (mW)
Rotation (1D):	0.22 dB
Adjusted SAR (1W):	3.69 mW/g (1g)

Comments:

Communication System Band: CLA150, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 150 MHz; σ = 0.74 S/m; ε_r = 50.5; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 150 MHz, ConvF(14.08, 14.08, 14.08) @ 150 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):

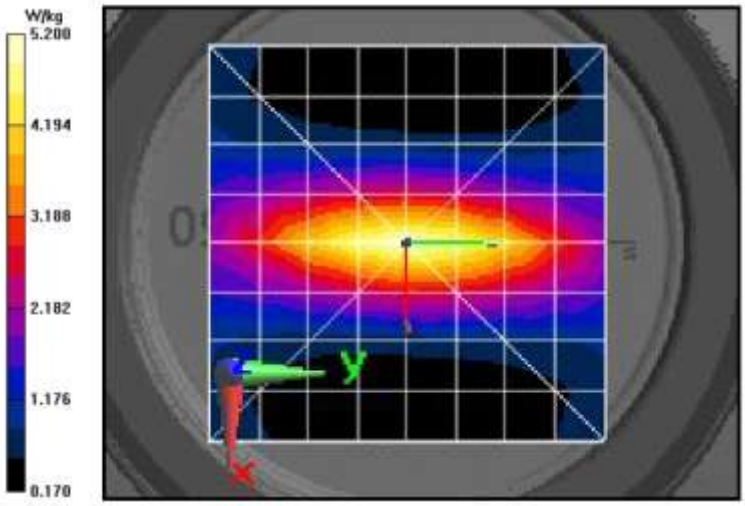
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 83.37 V/m; Power Drift = 0.03 dB
Fast SAR: SAR(1 g) = 4.38 W/kg; SAR(10 g) = 3.12 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.24 W/kg

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 = 83.37 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 6.37 W/kg
SAR(1 g) = 3.69 W/kg; SAR(10 g) = 2.39 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 16.8 mm
Ratio of SAR at M2 to SAR at M1 = 58.2%
Maximum value of SAR (measured) = 5.18 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) = 5.20 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/24/2022 9:07:01 AM

Robot#: DASY5-PG-3 | Run#:	AR(IRA)-SYSP-150H-220124-01
Dipole Model#	CLA-150
Phantom#:	ELI5 1147
Tissue Temp:	20.8 (C)
Serial#:	4010
Test Freq:	150.0000 (MHz)
Start Power:	1000 (mW)
Rotation (1D):	0.190 dB
Adjusted SAR (1W):	3.89 mW/g (1g)

Comments:

Communication System Band: CLA150, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 150 MHz; σ = 0.73 S/m; ε_r = 50.8; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 150 MHz, ConvF(14.08, 14.08, 14.08) @ 150 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):

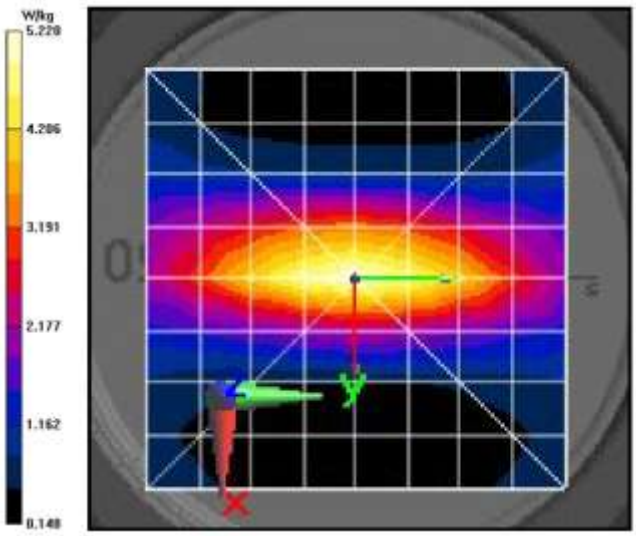
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 86.42 V/m; Power Drift = -0.05 dB
Fast SAR: SAR(1 g) = 4.56 W/kg; SAR(10 g) = 3.24 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.38 W/kg

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 = 86.42 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 6.56 W/kg
SAR(1 g) = 3.88 W/kg; SAR(10 g) = 2.51 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 15.1 mm
Ratio of SAR at M2 to SAR at M1 = 58.8%
Maximum value of SAR (measured) = 5.39 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) = 5.37 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/25/2022 9:16:49 AM

Robot#: DASY5-PG-3 | Run#:	AR(IRA)-SYSP-150H-220125-06
Dipole Model#	CLA-150
Phantom#:	ELI5 1147
Tissue Temp:	20.3 (C)
Serial#:	4010
Test Freq:	150.0000 (MHz)
Start Power:	1000 (mW)
Rotation (1D):	0.200 dB
Adjusted SAR (1W):	3.79 mW/g (1g)

Comments:

Communication System Band: CLA150, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: f = 150 MHz; σ = 0.73 S/m; ε_r = 51.5; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 150 MHz, ConvF(14.08, 14.08, 14.08) @ 150 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):

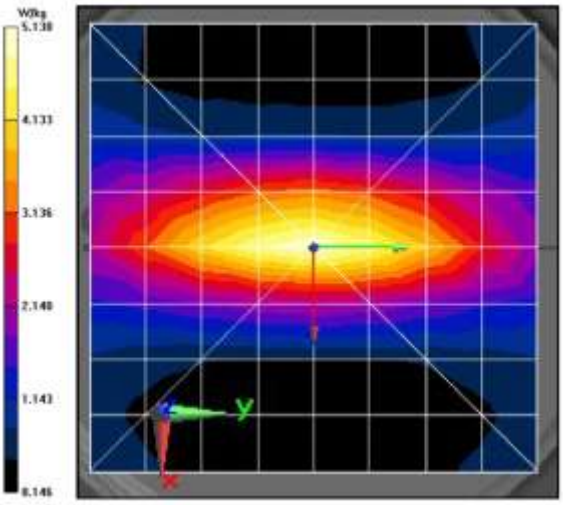
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 85.17 V/m; Power Drift = -0.04 dB
Fast SAR: SAR(1 g) = 4.49 W/kg; SAR(10 g) = 3.19 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.31 W/kg

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 = 85.17 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 6.40 W/kg
SAR(1 g) = 3.79 W/kg; SAR(10 g) = 2.45 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 16.2 mm
Ratio of SAR at M2 to SAR at M1 = 58.8%
Maximum value of SAR (measured) = 5.24 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) = 5.27 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/26/2022 9:09:53 AM

Robot#: DASY5-PG-3 | Run#:	AR(IRA)-SYSP-150H-220126-08
Dipole Model#	CLA-150
Phantom#:	ELI5 1147
Tissue Temp:	20.6 (C)
Serial#:	4010
Test Freq:	150.0000 (MHz)
Start Power:	1000 (mW)
Rotation (1D):	0.230 dB
Adjusted SAR (1W):	3.90 mW/g (1g)

Comments:

Communication System Band: CLA150, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 150 MHz; σ = 0.74 S/m; ε_r = 50; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 150 MHz, ConvF(14.08, 14.08, 14.08) @ 150 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):

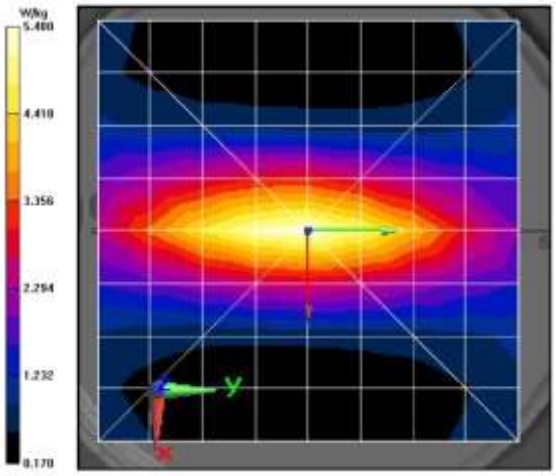
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 88.24 V/m; Power Drift = -0.10 dB
Fast SAR: SAR(1 g) = 4.64 W/kg; SAR(10 g) = 3.3 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.57 W/kg

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 = 88.24 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 6.71 W/kg
SAR(1 g) = 3.9 W/kg; SAR(10 g) = 2.52 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 15 mm
Ratio of SAR at M2 to SAR at M1 = 58.5%
Maximum value of SAR (measured) = 5.50 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) = 5.62 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/27/2022 9:15:29 AM

Robot#: DASY5-PG-3 | Run#: AR(IRA)-SYSP-150H-220127-13
Dipole Model# CLA-150
Phantom#: ELI5 1147
Tissue Temp: 21.0 (C)
Serial#: 4010
Test Freq: 150.0000 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.190 dB
Adjusted SAR (1W): 3.79 mW/g (1g)

Comments:

Communication System Band: CLA150, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 150 MHz; σ = 0.75 S/m; ε_r = 49.9; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 150 MHz, ConvF(14.08, 14.08, 14.08) @ 150 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):

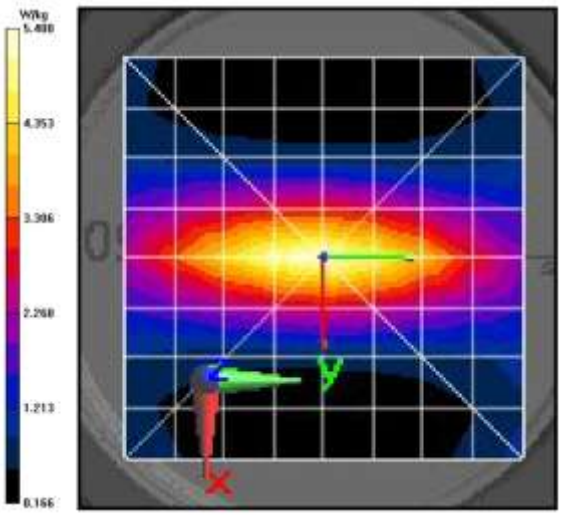
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 84.67 V/m; Power Drift = 0.01 dB
Fast SAR: SAR(1 g) = 4.51 W/kg; SAR(10 g) = 3.21 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.47 W/kg

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 = 84.67 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 6.53 W/kg
SAR(1 g) = 3.79 W/kg; SAR(10 g) = 2.46 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 15 mm
Ratio of SAR at M2 to SAR at M1 = 59.1%
Maximum value of SAR (measured) = 5.35 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) = 5.35 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/28/2022 9:15:06 AM

Robot#: DASY5-PG-3 | Run#:	AR(IRA)-SYSP-150H-220128-11
Dipole Model#	CLA-150
Phantom#:	ELI5 1147
Tissue Temp:	20.6 (C)
Serial#:	4010
Test Freq:	150.0000 (MHz)
Start Power:	1000 (mW)
Rotation (1D):	0.240 dB
Adjusted SAR (1W):	3.76 mW/g (1g)

Comments:

Communication System Band: CLA150, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 150 MHz; σ = 0.72 S/m; ε_r = 51.6; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 150 MHz, ConvF(14.08, 14.08, 14.08) @ 150 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):

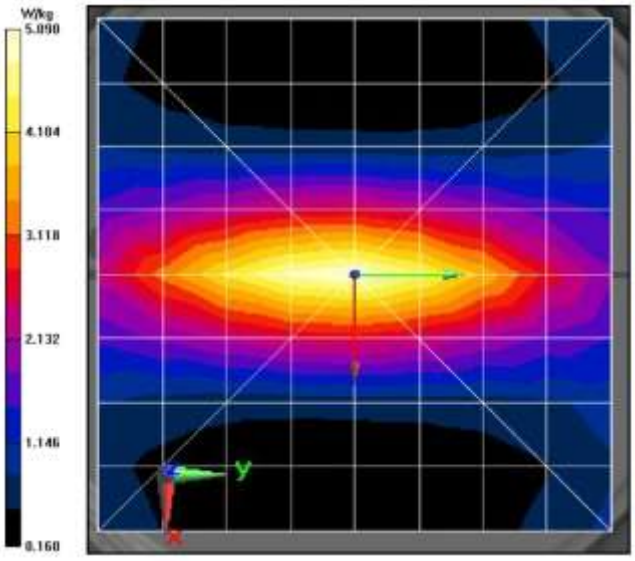
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 84.76 V/m; Power Drift = -0.07 dB
Fast SAR: SAR(1 g) = 4.42 W/kg; SAR(10 g) = 3.13 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.19 W/kg

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 = 84.76 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 6.18 W/kg
SAR(1 g) = 3.76 W/kg; SAR(10 g) = 2.43 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 = 59.7%
Maximum value of SAR (measured) = 5.10 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) = 5.15 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/29/2022 8:53:29 PM

Robot#: DASY5-PG-3 | Run#:	BAD-SYSP-150H-220129-10
Dipole Model#	CLA-150
Phantom#:	ELI5 1147
Tissue Temp:	21.6 (C)
Serial#:	4010
Test Freq:	150.0000 (MHz)
Start Power:	1000 (mW)
Rotation (1D):	0.19 dB
Adjusted SAR (1W):	3.70 mW/g (1g)

Comments:

Communication System Band: CLA150, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 150 MHz; σ = 0.75 S/m; ε_r = 51.1; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 150 MHz, ConvF(14.08, 14.08, 14.08) @ 150 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):

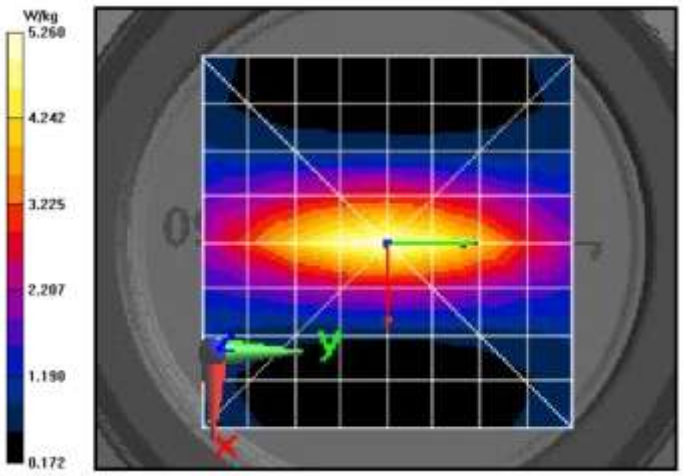
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 83.30 V/m; Power Drift = 0.01 dB
Fast SAR: SAR(1 g) = 4.42 W/kg; SAR(10 g) = 3.14 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.33 W/kg

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 = 83.30 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 6.45 W/kg
SAR(1 g) = 3.7 W/kg; SAR(10 g) = 2.39 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 15.1 mm
Ratio of SAR at M2 to SAR at M1 = 58.2%
Maximum value of SAR (measured) = 5.27 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) = 5.28 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/1/2022 11:55:22 AM

Robot#: DASY5-PG-3 | Run#:	MFR(DAN)-SYSP-150H-220201-01
Dipole Model#	CLA-150
Phantom#:	ELI5 1147
Tissue Temp:	19.9 (C)
Serial#:	4010
Test Freq:	150.0000 (MHz)
Start Power:	1000 (mW)
Rotation (1D):	0.25dB
Adjusted SAR (1W):	3.81 mW/g (1g)

Comments:

Communication System Band: CLA150, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 150 MHz; σ = 0.74 S/m; ε_r = 51.2; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 150 MHz, ConvF(14.08, 14.08, 14.08) @ 150 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):

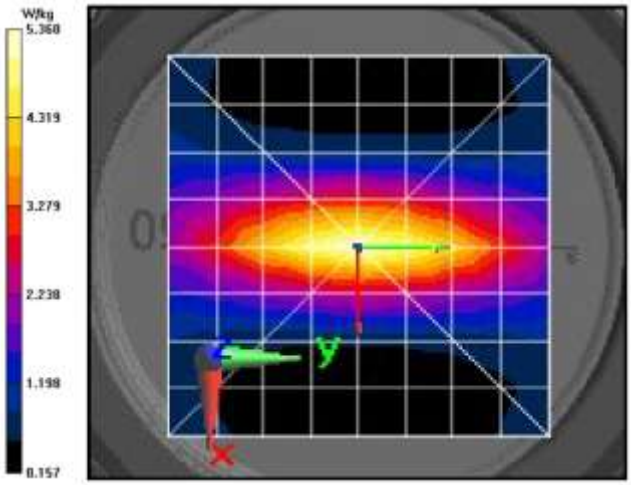
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 84.71 V/m; Power Drift = 0.03 dB
Fast SAR: SAR(1 g) = 4.54 W/kg; SAR(10 g) = 3.22 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.41 W/kg

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 = 84.71 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 6.57 W/kg
SAR(1 g) = 3.81 W/kg; SAR(10 g) = 2.46 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 15.7 mm
Ratio of SAR at M2 to SAR at M1 = 58.2%
Maximum value of SAR (measured) = 5.34 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) = 5.35 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/2/2022 8:56:55 AM

Robot#: DASY5-PG-3 | Run#:	MFR(DAN)-SYSP-150H-220202-01
Dipole Model#	CLA-150
Phantom#:	ELI5 1147
Tissue Temp:	21.1(C)
Serial#:	4010
Test Freq:	150.0000 (MHz)
Start Power:	1000 (mW)
Rotation (1D):	0.17dB
Adjusted SAR (1W):	3.66mW/g (1g)

Comments:

Communication System Band: CLA150, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 150 MHz; σ = 0.76 S/m; ε_r = 51.6; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 150 MHz, ConvF(14.08, 14.08, 14.08) @ 150 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):

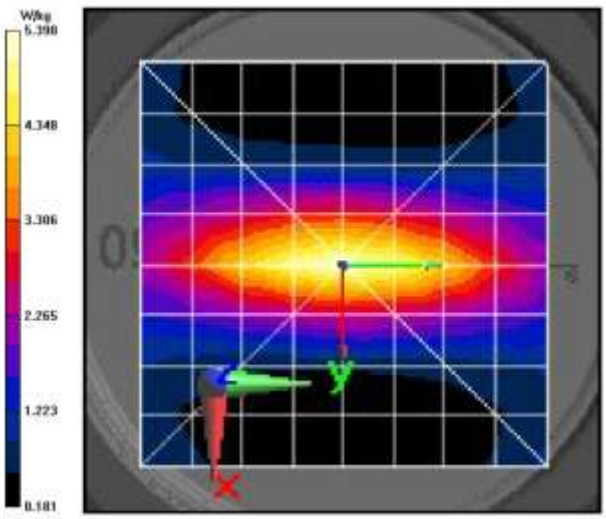
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 84.01 V/m; Power Drift = -0.09 dB
Fast SAR: SAR(1 g) = 4.49 W/kg; SAR(10 g) = 3.19 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.44 W/kg

Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 84.01 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 6.42 W/kg
SAR(1 g) = 3.66 W/kg; SAR(10 g) = 2.37 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 16.2 mm
Ratio of SAR at M2 to SAR at M1 = 58.4%
Maximum value of SAR (measured) = 5.24 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) = 5.29 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/3/2022 9:13:12 AM

Robot#: DASY5-PG-3 | Run#:	BAD-SYSP-150H-220203-08
Dipole Model#	CLA-150
Phantom#:	ELI5 1147
Tissue Temp:	20.9 (C)
Serial#:	4010
Test Freq:	150.0000 (MHz)
Start Power:	1000 (mW)
Rotation (1D):	0.16 dB
Adjusted SAR (1W):	3.66 mW/g (1g)

Comments:

Communication System Band: CLA150, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 150 MHz; σ = 0.74 S/m; ε_r = 52.7; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 150 MHz, ConvF(14.08, 14.08, 14.08) @ 150 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):

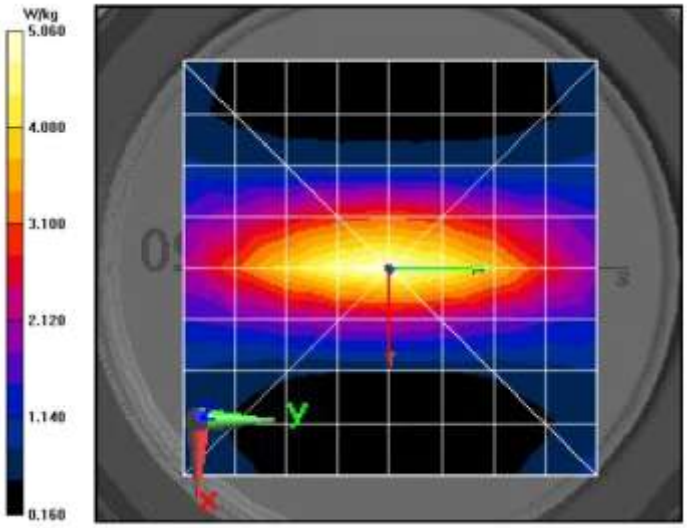
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 83.34 V/m; Power Drift = -0.06 dB
Fast SAR: SAR(1 g) = 4.37 W/kg; SAR(10 g) = 3.09 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.18 W/kg

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 = 83.34 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 6.25 W/kg
SAR(1 g) = 3.66 W/kg; SAR(10 g) = 2.35 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 16.5 mm
Ratio of SAR at M2 to SAR at M1 = 58.4%
Maximum value of SAR (measured) = 5.09 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) = 5.08 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/4/2022 8:54:20 AM

Robot#: DASY5-PG-3 | Run#: BAD-SYSP-150H-220204-06
Dipole Model# CLA-150
Phantom#: ELI5 1147
Tissue Temp: 20.6 (C)
Serial#: 4010
Test Freq: 150.0000 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.24 dB
Adjusted SAR (1W): 3.67 mW/g (1g)

Comments:

Communication System Band: CLA150, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 150 MHz; σ = 0.74 S/m; ε_r = 52.7; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 150 MHz, ConvF(14.08, 14.08, 14.08) @ 150 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):

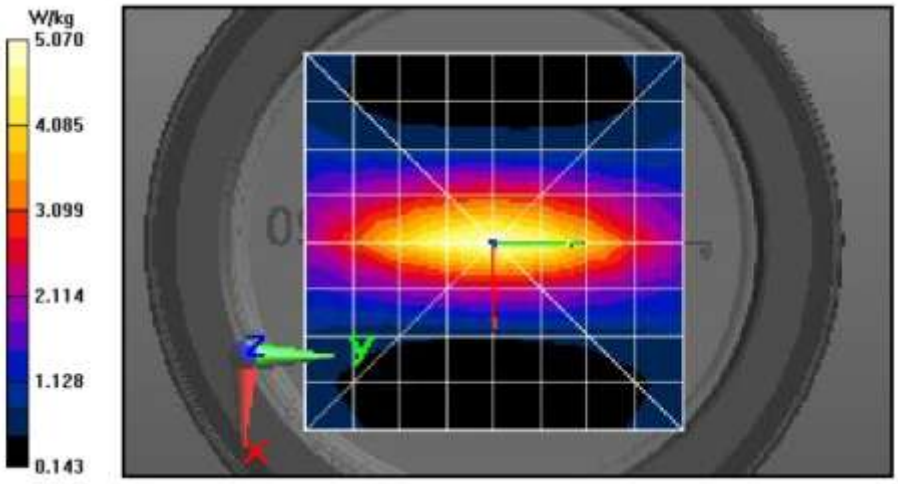
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 82.84 V/m; Power Drift = -0.00 dB
Fast SAR: SAR(1 g) = 4.35 W/kg; SAR(10 g) = 3.09 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.15 W/kg

Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 82.84 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 6.11 W/kg
SAR(1 g) = 3.67 W/kg; SAR(10 g) = 2.38 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 16.5 mm
Ratio of SAR at M2 to SAR at M1 = 59.8%
Maximum value of SAR (measured) = 5.08 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) = 5.11 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/5/2022 8:54:17 AM

Robot#: DASY5-PG-3 | Run#: MFR(DAN)-SYSP-150H-220205-06
Dipole Model# CLA-150
Phantom#: ELI5 1147
Tissue Temp: 21.2(C)
Serial#: 4010
Test Freq: 150.0000 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.21dB
Adjusted SAR (1W): 3.71 mW/g (1g)

Comments:

Communication System Band: CLA150, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 150 MHz; $\sigma = 0.76$ S/m; $\varepsilon_r = 51.7$; $\rho = 1000$ kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 150 MHz, ConvF(14.08, 14.08, 14.08) @ 150 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):

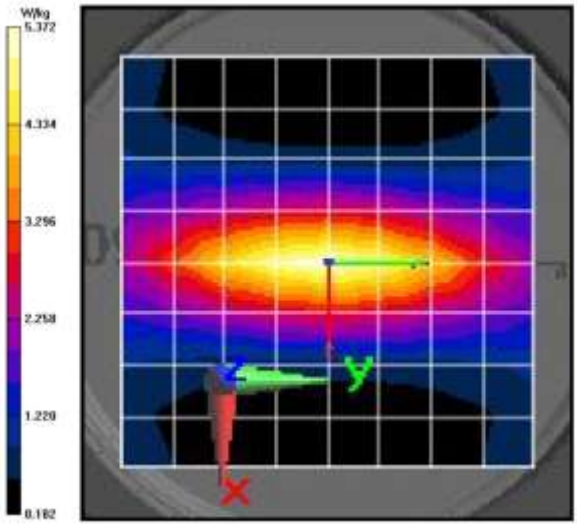
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 84.51 V/m; Power Drift = -0.05 dB
Fast SAR: SAR(1 g) = 4.46 W/kg; SAR(10 g) = 3.18 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.40 W/kg

Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 84.51 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 6.41 W/kg
SAR(1 g) = 3.71 W/kg; SAR(10 g) = 2.41 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 16.5 mm
Ratio of SAR at M2 to SAR at M1 = 58.9%
Maximum value of SAR (measured) = 5.28 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) = 5.32 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/6/2022 9:37:55 PM

Robot#: DASY5-PG-3 | Run#: AR(IRA)-SYSP-150H-220206-08
Dipole Model# CLA-150
Phantom#: ELI5 1147
Tissue Temp: 21.5(C)
Serial#: 4010
Test Freq: 150.0000 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.210 dB
Adjusted SAR (1W): 3.62 mW/g (1g)

Comments:

Communication System Band: CLA150, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 150 MHz; σ = 0.73 S/m; ε_r = 52.4; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 150 MHz, ConvF(14.08, 14.08, 14.08) @ 150 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):

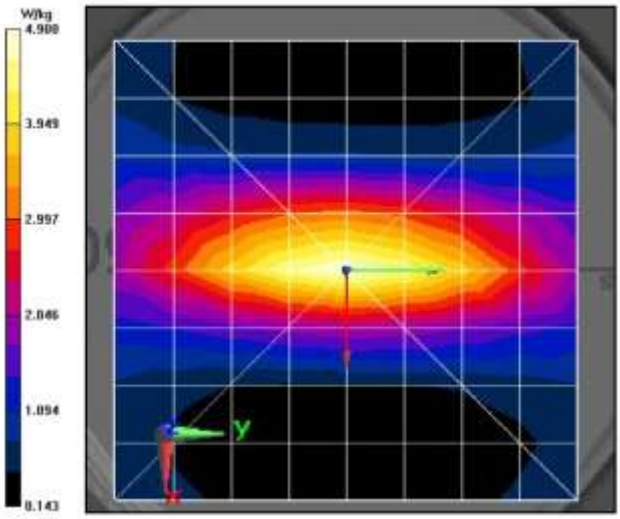
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 83.12 V/m; Power Drift = -0.11 dB
Fast SAR: SAR(1 g) = 4.3 W/kg; SAR(10 g) = 3.04 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.05 W/kg

Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (6x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 83.12 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 6.03 W/kg
SAR(1 g) = 3.62 W/kg; SAR(10 g) = 2.34 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 15 mm
Ratio of SAR at M2 to SAR at M1 = 59%
Maximum value of SAR (measured) = 4.98 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) = 4.96 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/8/2022 9:49:44 PM

Robot#: DASY5-PG-3 | Run#: AM(IRA)-SYSP-150H-220208-21
Dipole Model# CLA-150
Phantom#: ELI5 1147
Tissue Temp: 22.0 (C)
Serial#: 4010
Test Freq: 150.0000 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.190 dB
Adjusted SAR (1W): 3.76 mW/g (1g)

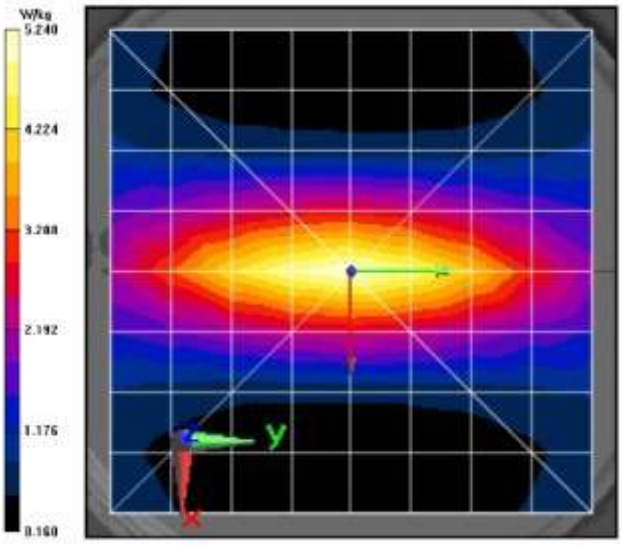
Comments:

Communication System Band: CLA150, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 150 MHz; σ = 0.74 S/m; ε_r = 52.3; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 150 MHz, ConvF(14.08, 14.08, 14.08) @ 150 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 84.35 V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 4.45 W/kg; SAR(10 g) = 3.15 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.28 W/kg

Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (6x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 84.35 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 6.33 W/kg
SAR(1 g) = 3.76 W/kg; SAR(10 g) = 2.43 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 15 mm
Ratio of SAR at M2 to SAR at M1 = 59.1%
Maximum value of SAR (measured) = 5.21 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) = 5.29 W/kg



Appendix E
DUT Scans

Assessments at the Body worn PMLN7296A - Table 18

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/18/2022 4:25:17 AM

Robot#: DASY5-PG-3 | Run#: BAD(DAN)-AB-220118-06#
Model#: AAH02JDC9VA1AN (PMUD3506B)
Phantom#: ELI5 1147
Tissue Temp: 20.8 (C)
Serial#: 446TYB6677
Antenna: PMAD4116A
Test Freq: 160.0000 (MHz)
Battery: PMNN4488A
Carry Acc: PMLN7296A
Audio Acc: PMLN5727A
Start Power: 6.00 (W)

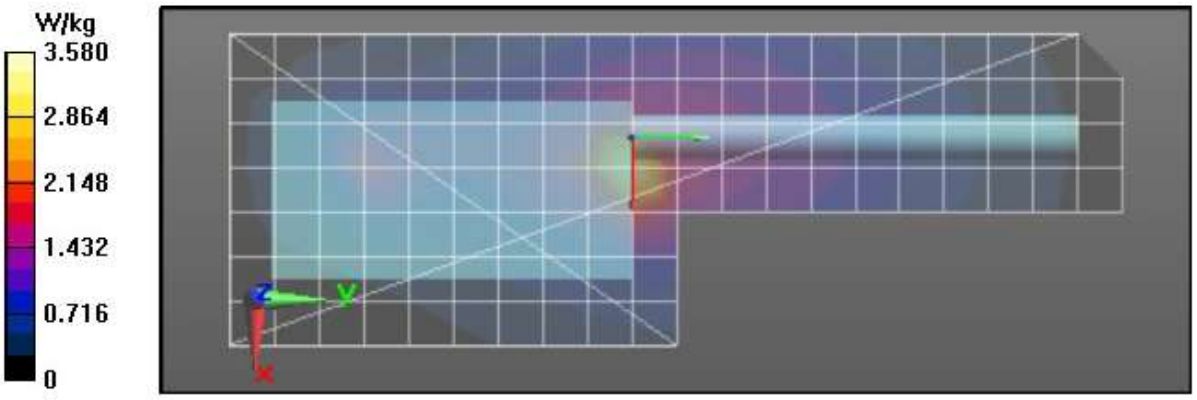
Comments:

Communication System Band: Andorra Refresh VHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 160 MHz; σ = 0.74 S/m; ε_r = 50.1; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 160 MHz, ConvF(14.08, 14.08, 14.08) @ 160 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x211x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 52.14 V/m; Power Drift = -0.84 dB
Fast SAR: SAR(1 g) = 2.73 W/kg; SAR(10 g) = 1.71 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.58 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 = 52.14 V/m; Power Drift = -0.83 dB
Peak SAR (extrapolated) = 5.28 W/kg
SAR(1 g) = 2.11 W/kg; SAR(10 g) = 1.24 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 12 mm
Ratio of SAR at M2 to SAR at M1 = 44.4%
Maximum value of SAR (measured) = 3.48 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) = 3.67 W/kg



Assessments at the Body worn PMLN4651A - Table 19

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/20/2022 11:09:55 PM

Robot#: DASY5-PG-3 | Run#: BAD-AB-220120-22
Phantom#: ELI5 1147
Tissue Temp: 21.4 (C)
Serial#: 446TYB6677
Antenna: PMAD4116A
Test Freq: 160.0000 (MHz)
Battery: PMNN4544A
Carry Acc: PMLN4651A
Audio Acc: PMLN5727A
Start Power: 6.00 (W)

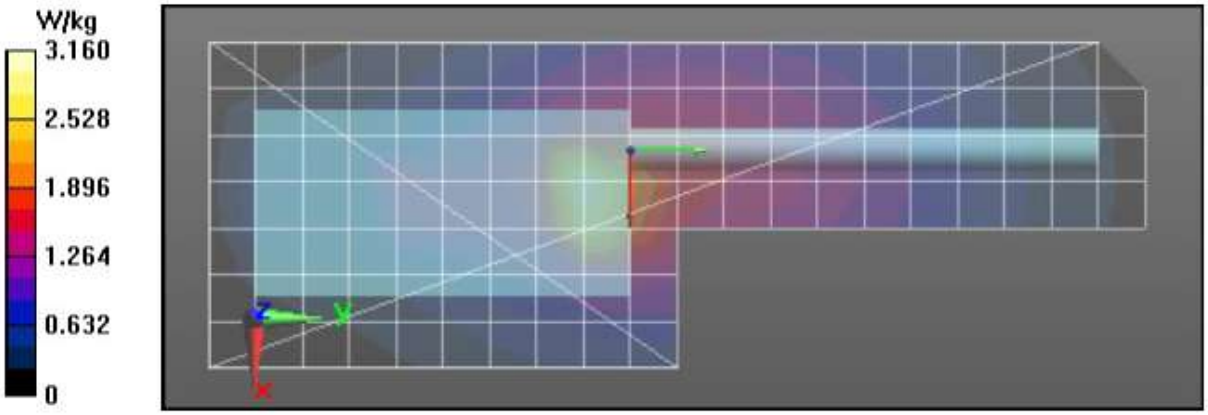
Comments:

Communication System Band: Andorra Refresh VHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 160 MHz; σ = 0.74 S/m; ε_r = 49.7; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 160 MHz, ConvF(14.08, 14.08, 14.08) @ 160 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x211x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 53.59 V/m; Power Drift = -0.88 dB
Fast SAR: SAR(1 g) = 2.62 W/kg; SAR(10 g) = 1.79 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.30 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 = 53.59 V/m; Power Drift = -0.91 dB
Peak SAR (extrapolated) = 5.97 W/kg
SAR(1 g) = 2.31 W/kg; SAR(10 g) = 1.35 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 = 41.7%
Maximum value of SAR (measured) = 3.88 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) = 3.99 W/kg



Assessment at the Body worn PMLN7008A – Table 20

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/21/2022 2:01:03 PM

Robot#: DASY5-PG-3 | Run#:	AR(IRA)-AB-220121-17#
Model#:	AAH02JDC9VA1AN (PMUD3506B)
Phantom#:	ELI5 1147
Tissue Temp:	21.2 (C)
Serial#:	446TYB6677
Antenna:	PMAD4116A
Test Freq:	160.0000 (MHz)
Battery:	PMNN4416BR
Carry Acc:	PMLN7008A
Audio Acc:	PMLN5727A
Start Power:	6.00 (W)

Comments:

Communication System Band: Andorra Refresh VHF, Communication System UID: 0, Duty Cycle: 1:1,

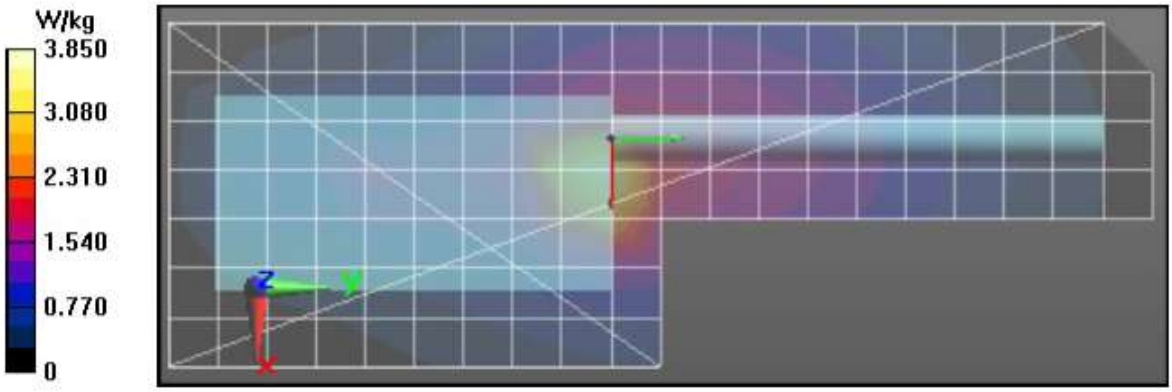
Medium parameters used: f = 160 MHz; σ = 0.74 S/m; ε_r = 49.7; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 160 MHz, ConvF(14.08, 14.08, 14.08) @ 160 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x211x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 54.86 V/m; Power Drift = -0.57 dB
Fast SAR: SAR(1 g) = 3.16 W/kg; SAR(10 g) = 2.14 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.97 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 = 54.86 V/m; Power Drift = -0.56 dB
Peak SAR (extrapolated) = 7.46 W/kg
SAR(1 g) = 2.72 W/kg; SAR(10 g) = 1.53 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 12 mm
Ratio of SAR at M2 to SAR at M1 = 41.3%
Maximum value of SAR (measured) = 4.66 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) = 4.89 W/kg



Assessments at the Body worn PMLN5870A w/ NTN5243A - Table 21

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/26/2022 3:15:57 AM

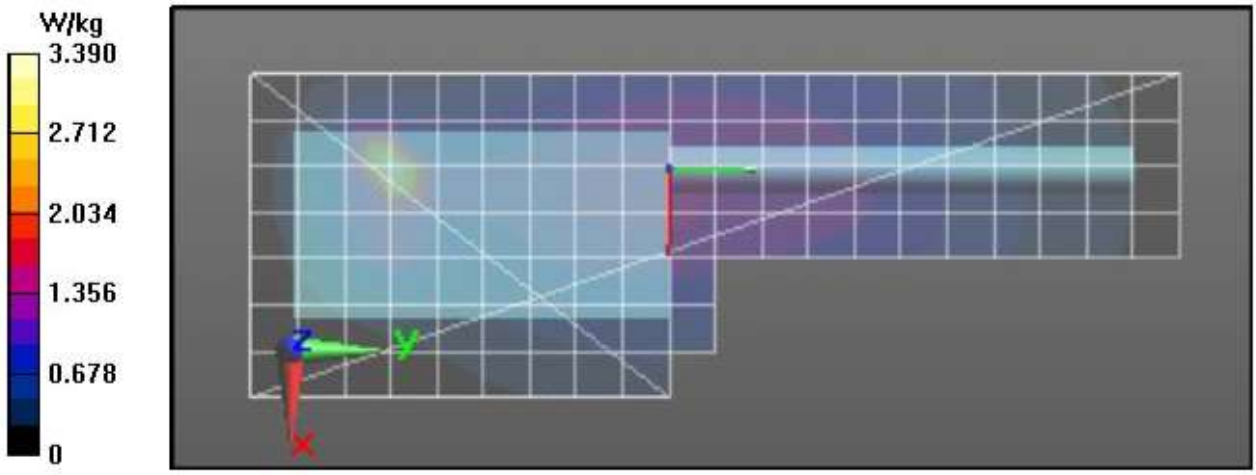
Robot#: DASY5-PG-3 | Run#: BAD(DAN)-AB-220126-02#
Model#: AAH02JDC9VA1AN (PMUD3506B)
Phantom#: ELI5 1147
Tissue Temp: 21.3(C)
Serial#: 446TYB6677
Antenna: PMAD4116A
Test Freq: 160.0000 (MHz)
Battery: PMNN4409BR
Carry Acc: PMLN5870A w/ NTN5243A
Audio Acc: PMLN5727A
Start Power: 6.00 (W)

Communication System Band: Andorra Refresh VHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 160 MHz; σ = 0.74 S/m; ε_r = 51; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 160 MHz, ConvF(14.08, 14.08, 14.08) @ 160 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x211x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 42.62 V/m; Power Drift = -0.34 dB
Fast SAR: SAR(1 g) = 2.32 W/kg; SAR(10 g) = 1.27 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.43 W/kg

Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (10x10x8)/Cube 0: Measurement grid: dx=3.6mm, dy=3.6mm, dz=1.4mm
Reference Value = 42.62 V/m; Power Drift = -0.47 dB
Peak SAR (extrapolated) = 10.4 W/kg
SAR(1 g) = 1.35 W/kg; SAR(10 g) = 0.652 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 50.5%
Maximum value of SAR (measured) = 3.43 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) = 3.43 W/kg



Assessments at the Body worn PMLN5864A w/ NTN5243A - Table 22

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/27/2022 2:04:27 AM

Robot#: DASY5-PG-3 | Run#: BAD-AB-220127-04#
Model#: AAH02JDC9VA1AN (PMUD3506B)
Phantom#: ELI5 1147
Tissue Temp: 20.8 (C)
Serial#: 446TYB6677
Antenna: PMAD4116A
Test Freq: 160.0000 (MHz)
Battery: PMNN4418BR
Carry Acc: PMLN5864A w/ NTN5243A
Audio Acc: PMLN5727A
Start Power: 6.00 (W)

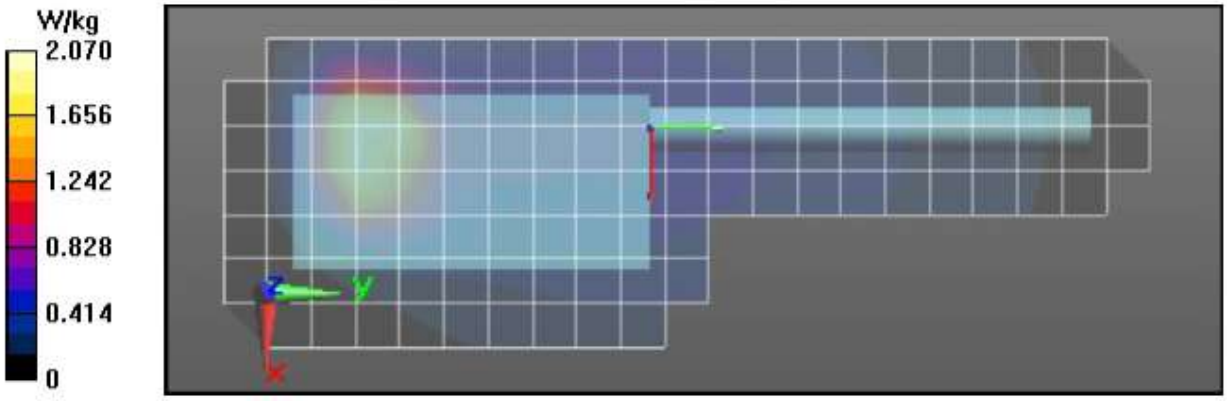
Comments:

Communication System Band: Andorra Refresh VHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 160 MHz; σ = 0.75 S/m; ε_r = 49.6; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 160 MHz, ConvF(14.08, 14.08, 14.08) @ 160 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 35.30 V/m; Power Drift = -0.34 dB
Fast SAR: SAR(1 g) = 1.95 W/kg; SAR(10 g) = 1.34 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.47 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 = 35.30 V/m; Power Drift = -0.40 dB
Peak SAR (extrapolated) = 3.80 W/kg
SAR(1 g) = 1.36 W/kg; SAR(10 g) = 0.784 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 16.8 mm
Ratio of SAR at M2 to SAR at M1 = 36.1%
Maximum value of SAR (measured) = 2.54 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) = 2.45 W/kg



Assessments at the Body worn PMLN5866A w/ NTN5243A - Table 23

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/28/2022 10:06:04 AM

Robot#: DASY5-PG-3 | Run#: AR(IRA)-AB-220128-12
Model#: AAH02JDC9VA1AN (PMUD3506B)
Phantom#: ELI5 1147
Tissue Temp: 20.9 (C)
Serial#: 446TYB6677
Antenna: PMAD4116A
Test Freq: 160.0000(MHz)
Battery: PMNN4418BR
Carry Acc: PMLN5866A w/o belt loop w/ NTN5243A
Audio Acc: PMLN5727A
Start Power: 6.00 (W)

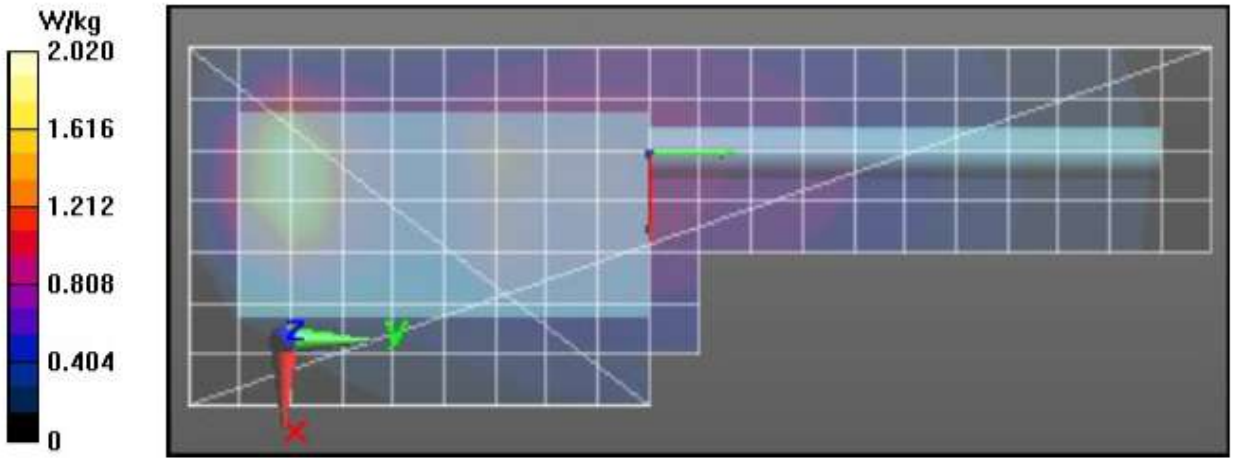
Comments:

Communication System Band: Andorra Refresh VHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 160 MHz; σ = 0.73 S/m; ε_r = 51.1; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 160 MHz, ConvF(14.08, 14.08, 14.08) @ 160 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x211x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 35.51 V/m; Power Drift = -0.35 dB
Fast SAR: SAR(1 g) = 1.78 W/kg; SAR(10 g) = 1.2 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.18 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 = 35.51 V/m; Power Drift = -0.42 dB
Peak SAR (extrapolated) = 3.77 W/kg
SAR(1 g) = 1.37 W/kg; SAR(10 g) = 0.726 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 = 35%
Maximum value of SAR (measured) = 2.38 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) = 2.49 W/kg



Assessments at the Body worn HLN6602A - Table 24

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/1/2022 4:16:27 PM

Robot#: DASY5-PG-3 | Run#: MFR(DAN)-AB-220201-05
Model#: AAH02JDC9VA1AN (PMUD3506B)
Phantom#: ELI5 1147
Tissue Temp: 20.3(C)
Serial#: 446TYB6677
Antenna: PMAD4116A
Test Freq: 160.0000 (MHz)
Battery: PMNN4525B
Carry Acc: HLN6602A
Audio Acc: PMLN5727A
Start Power: 6.00 (W)

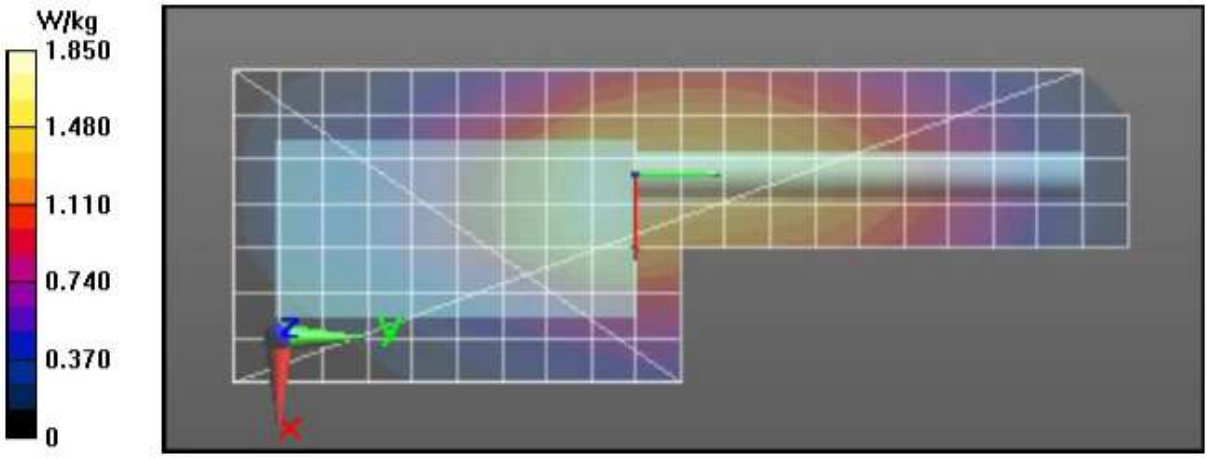
Comments:

Communication System Band: Andorra Refresh VHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 160 MHz; σ = 0.75 S/m; ε_r = 50.8; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 160 MHz, ConvF(14.08, 14.08, 14.08) @ 160 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x211x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 51.10 V/m; Power Drift = -0.46 dB
Fast SAR: SAR(1 g) = 1.57 W/kg; SAR(10 g) = 1.19 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.87 W/kg

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 = 51.10 V/m; Power Drift = -0.65 dB
Peak SAR (extrapolated) = 2.06 W/kg
SAR(1 g) = 1.33 W/kg; SAR(10 g) = 0.993 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 = 65.6%
Maximum value of SAR (measured) = 1.75 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) = 1.75 W/kg



Assessments at the Body worn RLN4570A - Table 25

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/2/2022 11:40:59 PM

Robot#: DASY5-PG-3 | Run#: SAN(IRA)-AB-220202-16
Model#: AAH02JDC9VA1AN (PMUD3506B)
Phantom#: ELI5 1147
Tissue Temp: 21.8 (C)
Serial#: 446TYB6677
Antenna: PMAD4116A
Test Freq: 160.0000(MHz)
Battery: PMNN4543A
Carry Acc: RLN4570A
Audio Acc: PMLN5727A
Start Power: 6.00(W)

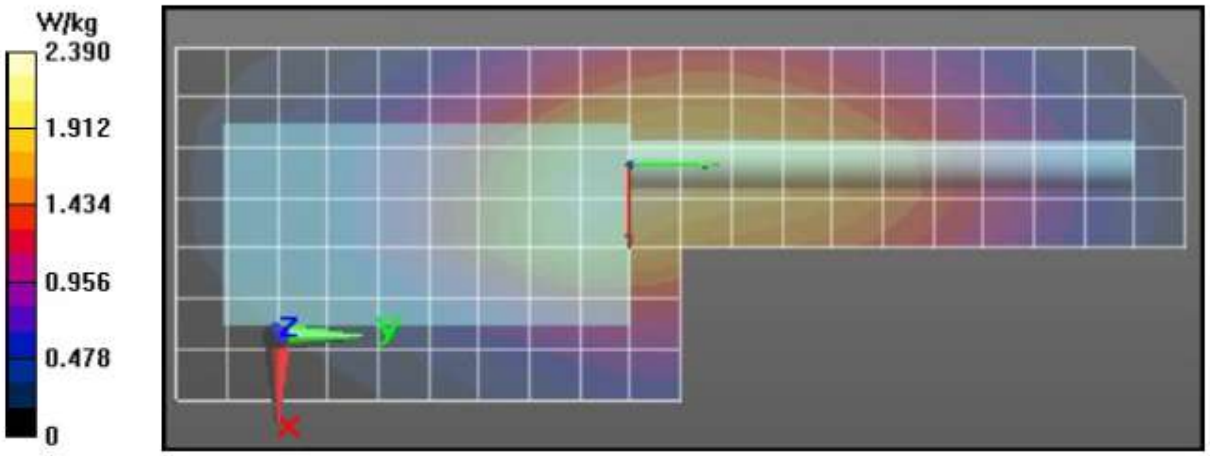
Comments:

Communication System Band: Andorra Refresh VHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 160 MHz; σ = 0.77 S/m; ε_r = 51.2; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 160 MHz, ConvF(14.08, 14.08, 14.08) @ 160 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x211x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 55.95 V/m; Power Drift = -0.41 dB
Fast SAR: SAR(1 g) = 2.01 W/kg; SAR(10 g) = 1.51 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.41 W/kg

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 = 55.95 V/m; Power Drift = -0.58 dB
Peak SAR (extrapolated) = 2.83 W/kg
SAR(1 g) = 1.77 W/kg; SAR(10 g) = 1.3 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 = 63.6%
Maximum value of SAR (measured) = 2.36 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) = 2.30 W/kg



Assessments at the Body worn RLN4815A - Table 26

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/4/2022 4:22:15 AM

Robot#: DASY5-PG-3 | Run#: AR-AB-220204-03#
Model#: AAH02JDC9VA1AN (PMUD3506B)
Phantom#: ELI5 1147
Tissue Temp: 21.5 (C)
Serial#: 446TYB6677
Antenna: PMAD4116A
Test Freq: 160.0000 (MHz)
Battery: PMNN4416BR
Carry Acc: RLN4815A
Audio Acc: PMLN5727A
Start Power: 6.00 (W)

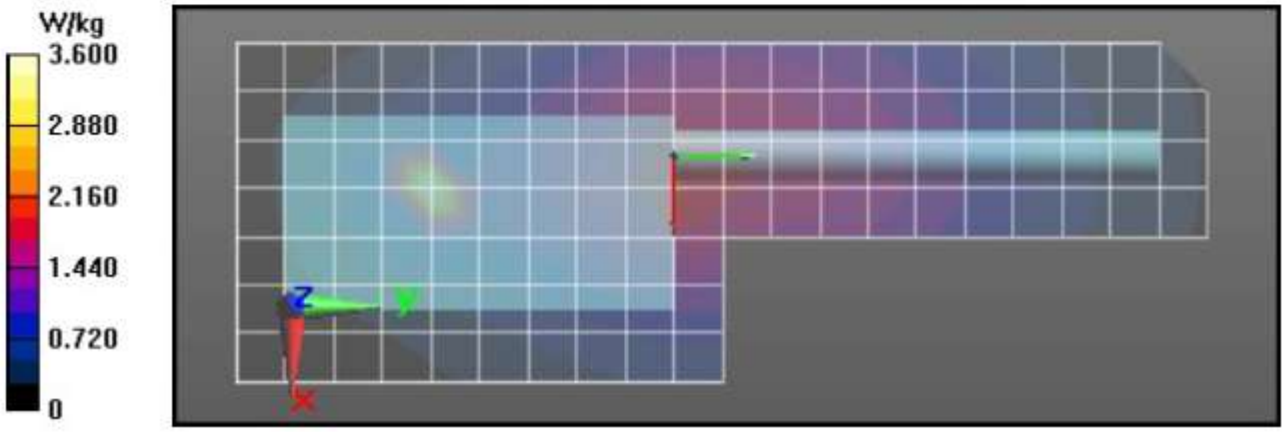
Comments:

Communication System Band: Andorra Refresh VHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 160 MHz; σ = 0.75 S/m; ε_r = 52.3; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 160 MHz, ConvF(14.08, 14.08, 14.08) @ 160 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x211x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 49.34 V/m; Power Drift = -0.43 dB
Fast SAR: SAR(1 g) = 2.39 W/kg; SAR(10 g) = 1.25 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.60 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 = 49.34 V/m; Power Drift = -0.50 dB
Peak SAR (extrapolated) = 7.96 W/kg
SAR(1 g) = 1.93 W/kg; SAR(10 g) = 0.836 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 = 32.1%
Maximum value of SAR (measured) = 3.48 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) = 1.65 W/kg



Assessments at the Body worn PMLN5870A w/ RLN6487A w/RLN6488A - Table 27

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/6/2022 5:09:37 AM

Robot#: DASY5-PG-3 | Run#: AR(IRA)-AB-220206-06#
Model#: AAH02JDC9VA1AN (PMUD3506B)
Phantom#: ELI5 1147
Tissue Temp: 21.2 (C)
Serial#: 446TYB6677
Antenna: PMAD4116A
Test Freq: 160.0000 (MHz)
Battery: PMNN4493A
Carry Acc: PMLN5870A w/ RLN6487A w/ RLN6488A
Audio Acc: PMLN5727A
Start Power: 6.00(W)

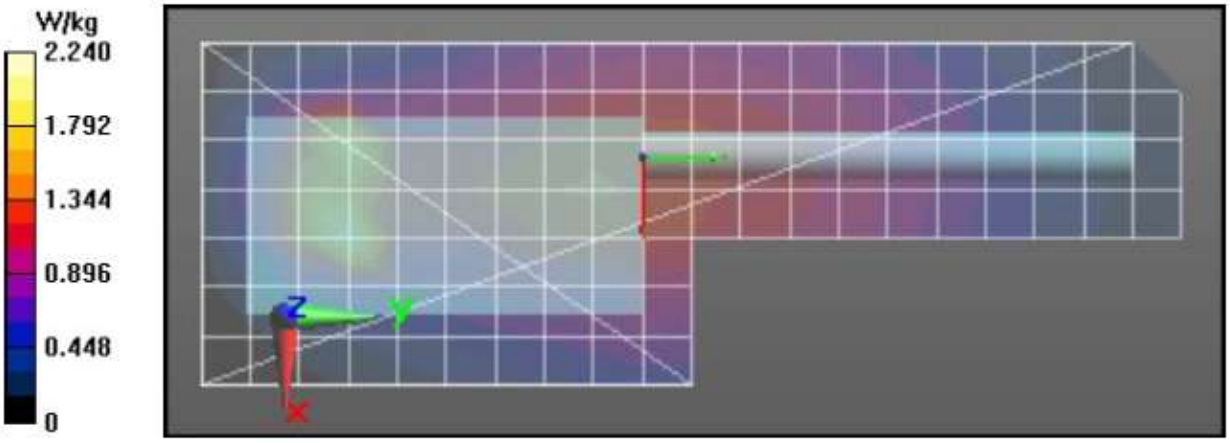
Comments:

Communication System Band: Andorra Refresh VHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 160 MHz; σ = 0.77 S/m; ε_r = 51.3; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 160 MHz, ConvF(14.08, 14.08, 14.08) @ 160 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x211x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 43.72 V/m; Power Drift = -0.38 dB
Fast SAR: SAR(1 g) = 1.78 W/kg; SAR(10 g) = 1.2 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.34 W/kg

Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (12x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 43.72 V/m; Power Drift = -0.53 dB
Peak SAR (extrapolated) = 9.46 W/kg
SAR(1 g) = 1.56 W/kg; SAR(10 g) = 0.791 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 6.9 mm
Ratio of SAR at M2 to SAR at M1 = 52.9%
Maximum value of SAR (measured) = 3.31 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) = 3.31 W/kg



Assessments at the Body wireless BT configuration - Table 28

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/6/2022 10:37:24 PM

Robot#: DASY5-PG-3 | Run#: AR(IRA)-AB-220206-09
Model#: AAH02JDC9VA1AN (PMUD3506B)
Phantom#: ELI5 1147
Tissue Temp: 21.5 (C)
Serial#: 446TYB6677
Antenna: PMAD4116A
Test Freq: 160.0000 (MHz)
Battery: PMNN4416BR
Carry Acc: PMLN7008A
Audio Acc: None(BT)
Start Power: 6.00(W)

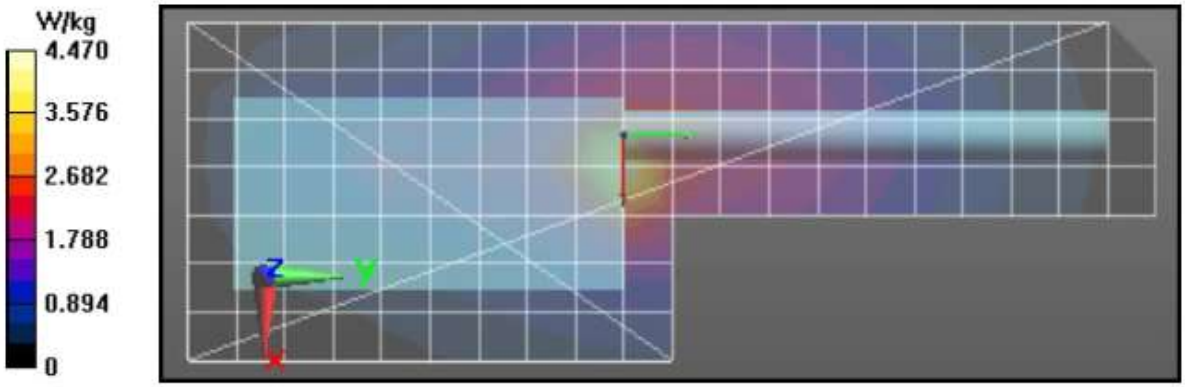
Comments:

Communication System Band: Andorra Refresh VHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 160 MHz; σ = 0.74 S/m; ε_r = 52; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 160 MHz, ConvF(14.08, 14.08, 14.08) @ 160 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x211x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 58.95 V/m; Power Drift = -0.46 dB
Fast SAR: SAR(1 g) = 3.5 W/kg; SAR(10 g) = 2.27 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 4.47 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 = 58.95 V/m; Power Drift = -0.48 dB
Peak SAR (extrapolated) = 6.71 W/kg
SAR(1 g) = 2.88 W/kg; SAR(10 g) = 1.74 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 = 47.6%
Maximum value of SAR (measured) = 4.47 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) = 4.66 W/kg



Assessments at the WLAN 2.4GHz Body – Table 30

Motorola Solutions, EME Laboratory

2022-01-21, 11:07

Measurement Report for AAH02JDC9VA1AN (PMUD3506B), 446TYB6679,BACK, WLAN 2.4GHz, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), Channel 11 (2462.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH02JDC9VA1AN (PMUD3506B)	446TYB6679	211.0 x 60.0 x 42.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	WLAN 2.4GHz	WLAN, 10415-AAA	2462.0, 11	7.0	1.76	36.8

Hardware Setup

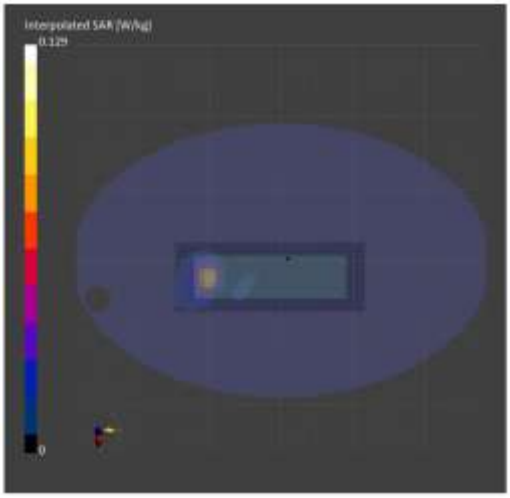
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL2450 , 2022-Jan-20	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 264.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-01-21, 11:07	2022-01-21, 11:16
psSAR1g [W/Kg]	0.099	0.101
psSAR10g [W/Kg]	0.049	0.052
Power Drift [dB]	0.02	0.05
TSL Correction	Positive only	Positive only
M2/M1 [%]		84.2
Dist 3dB Peak [mm]		12.4



Assessments at the Face - Table 32

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/20/2022 7:16:49 AM

Robot#: DASY5-PG-3 | Run#: BAD(DAN)-FACE-220120-09#
Model#: AAH02JDC9VA1AN (PMUD3506B)
Phantom#: ELI5 1147
Tissue Temp: 21.1(C)
Serial#: 446TYB6677
Antenna: PMAD4116A
Test Freq: 160.0000 (MHz)
Battery: PMNN4415A
Carry Acc: @ front
Audio Acc: N/A
Start Power: 5.96(W)

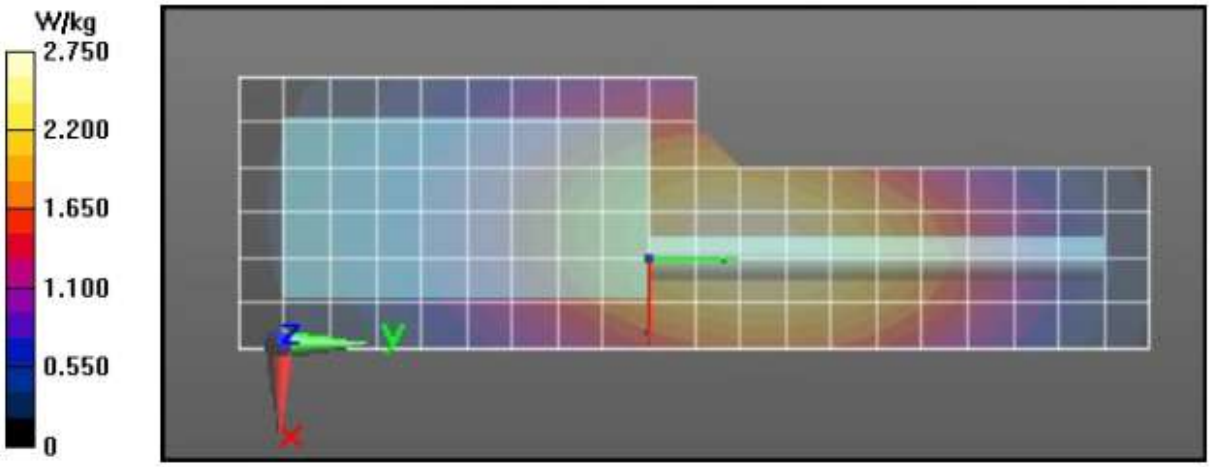
Comments:

Communication System Band: Andorra Refresh VHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 160 MHz; σ = 0.76 S/m; ε_r = 50.1; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 160 MHz, ConvF(14.08, 14.08, 14.08) @ 160 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 60.36 V/m; Power Drift = -0.22 dB
Fast SAR: SAR(1 g) = 2.35 W/kg; SAR(10 g) = 1.8 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.78 W/kg

Below 2 GHz-Rev.3/Face Scan/3-Zoom Scan (6x9x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 60.36 V/m; Power Drift = -0.23 dB
Peak SAR (extrapolated) = 3.16 W/kg
SAR(1 g) = 2.19 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 = 70.3%
Maximum value of SAR (measured) = 2.76 W/kg

Below 2 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.75 W/kg



Assessments at the WLAN 2.4GHz Face - Table 34

Motorola Solutions, EME Laboratory

2022-01-20, 21:14

Measurement Report for AAH02JDC9VA1AN (PMUD3506B), 446TYB6679,FRONT, WLAN 2.4GHz, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), Channel 11 (2462.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH02JDC9VA1AN (PMUD3506B)	446TYB6679	211.0 x 60.0 x 48.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 25.00	WLAN 2.4GHz	WLAN, 10415-AAA	2462.0, 11	7.0	1.76	36.8

Hardware Setup

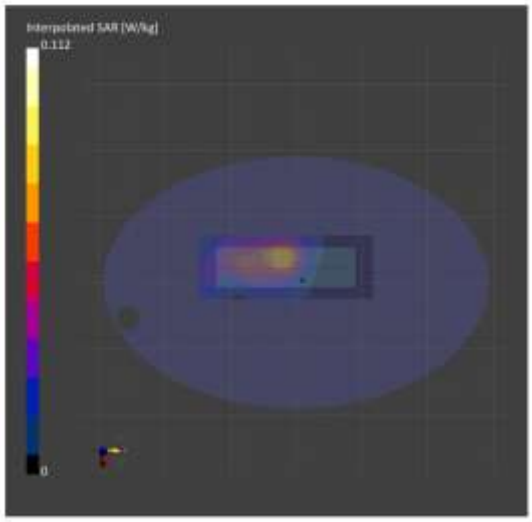
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL2450 , 2022-Jan-20	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 264.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-01-20, 21:14	2022-01-20, 21:23
psSAR1g [W/Kg]	0.061	0.061
psSAR10g [W/Kg]	0.036	0.036
Power Drift [dB]	-0.08	-0.06
TSL Correction	Positive only	Positive only
M2/M1 [%]		81.0
Dist 3dB Peak [mm]		> 15.0



Assessments at the Body for Outside FCC frequency range - Table 35

Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/8/2022 11:19:50 AM

Robot#: DASY5-PG-3 | Run#: MFR(DAN)-AB-220208-13#
Model#: AAH02JDC9VA1AN|(PMUD3506B)
Phantom#: ELI5 1147
Tissue Temp: 21.3(C)
Serial#: 446TYB6682
Antenna: PMAD4117A
Test Freq: 138.0000(MHz)
Battery: PMNN4416BR
Carry Acc: PMLN7008A
Audio Acc: None(BT)
Start Power: 5.39(W)

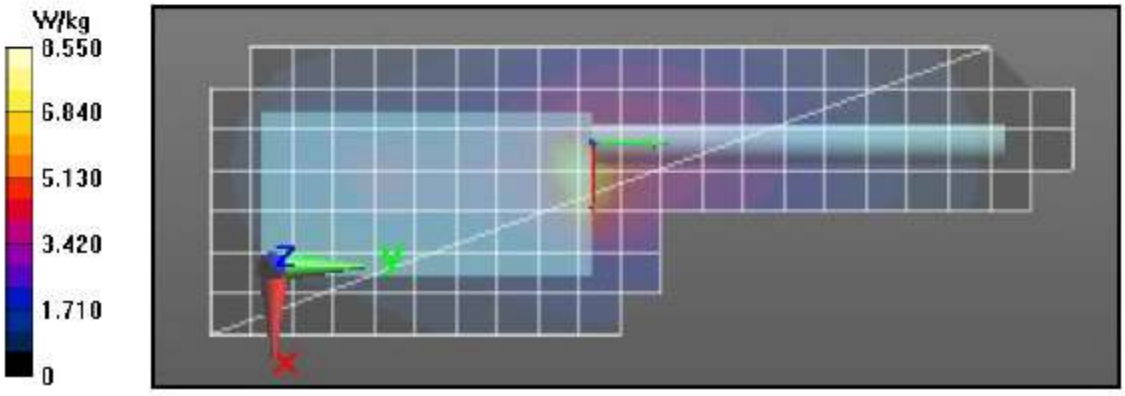
Comments:

Communication System Band: Andorra Refresh VHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 138 MHz; σ = 0.72 S/m; ε_r = 52.2; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 138 MHz, ConvF(14.08, 14.08, 14.08) @ 138 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x211x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 79.40 V/m; Power Drift = -0.74 dB
Fast SAR: SAR(1 g) = 6.76 W/kg; SAR(10 g) = 4.33 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 8.64 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 = 79.40 V/m; Power Drift = -0.83 dB
Peak SAR (extrapolated) = 13.9 W/kg
SAR(1 g) = 5.31 W/kg; SAR(10 g) = 3.04 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 12.4 mm
Ratio of SAR at M2 to SAR at M1 = 41.4%
Maximum value of SAR (measured) = 8.81 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) = 9.04 W/kg



Assessments at the Face for Outside FCC frequency range - Table 35

Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/7/2022 5:15:33 AM

Robot#: DASY5-PG-3 | Run#:	AR(IRA)-FACE-220207-09#
Model#:	AAH02JDC9VA1AN (PMUD3506B)
Phantom#:	ELI5 1147
Tissue Temp:	21.6 (C)
Serial#:	446TYB6677
Antenna:	PMAD4117A
Test Freq:	138.0000 (MHz)
Battery:	PMNN4415A
Carry Acc:	@ front
Audio Acc:	N/A
Start Power:	6.00 (W)

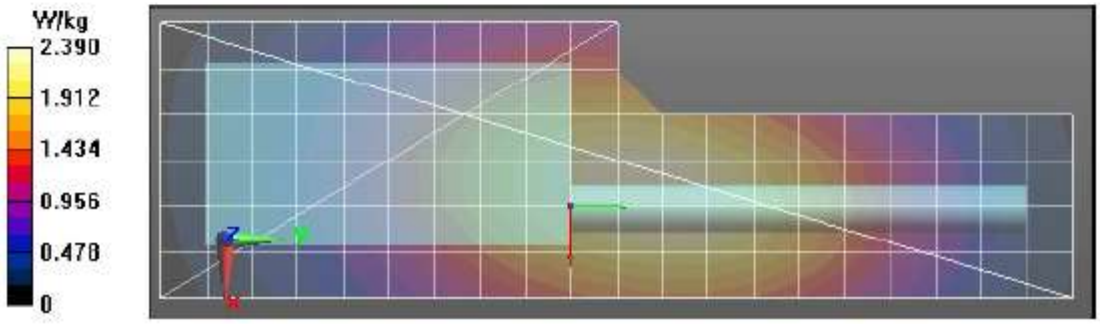
Comments:

Communication System Band: Andorra Refresh VHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 138 MHz; σ = 0.73 S/m; ε_r = 52.9; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 138 MHz, ConvF(14.08, 14.08, 14.08) @ 138 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 57.14 V/m; Power Drift = -0.29 dB
Fast SAR: SAR(1 g) = 2.09 W/kg; SAR(10 g) = 1.62 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.41 W/kg

Below 2 GHz-Rev.3/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 57.14 V/m; Power Drift = -0.33 dB
Peak SAR (extrapolated) = 2.70 W/kg
SAR(1 g) = 1.94 W/kg; SAR(10 g) = 1.49 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 = 71.2%
Maximum value of SAR (measured) = 2.37 W/kg

Below 2 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.37 W/kg



Assessments at the LMR ISED Body - Table 36

Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/8/2022 11:19:50 AM

Robot#: DASY5-PG-3 | Run#: MFR(DAN)-AB-220208-13#
Model#: AAH02JDC9VA1AN|(PMUD3506B)
Phantom#: ELI5 1147
Tissue Temp: 21.3(C)
Serial#: 446TYB6682
Antenna: PMAD4117A
Test Freq: 138.0000(MHz)
Battery: PMNN4416BR
Carry Acc: PMLN7008A
Audio Acc: None(BT)
Start Power: 5.39(W)

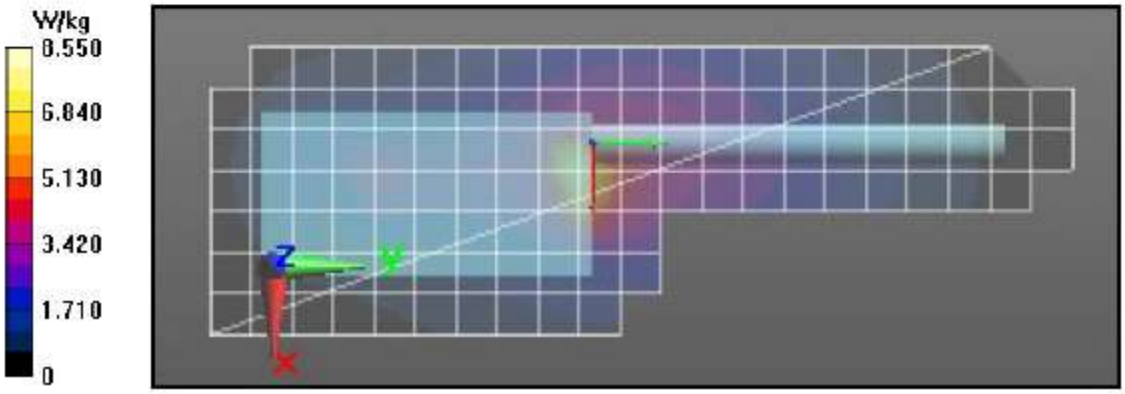
Comments:

Communication System Band: Andorra Refresh VHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 138 MHz; σ = 0.72 S/m; ε_r = 52.2; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 138 MHz, ConvF(14.08, 14.08, 14.08) @ 138 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x211x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 79.40 V/m; Power Drift = -0.74 dB
Fast SAR: SAR(1 g) = 6.76 W/kg; SAR(10 g) = 4.33 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 8.64 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 = 79.40 V/m; Power Drift = -0.83 dB
Peak SAR (extrapolated) = 13.9 W/kg
SAR(1 g) = 5.31 W/kg; SAR(10 g) = 3.04 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 12.4 mm
Ratio of SAR at M2 to SAR at M1 = 41.4%
Maximum value of SAR (measured) = 8.81 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) = 9.04 W/kg



Assessments at the WLAN 2.4GHz Body for ISED, Canada - Table 36

Motorola Solutions, EME Laboratory

2022-01-21, 19:40

Measurement Report for AAH02JDC9VA1AN (PMUD3506B), 446TYB6679,BACK, WLAN 2.4GHz, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), Channel 6 (2437.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH02JDC9VA1AN (PMUD3506B)	446TYB6679	211.0 x 60.0 x 42.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	WLAN 2.4GHz	WLAN, 10415-AAA	2437.0, 6	7.0	1.72	36.3

Hardware Setup

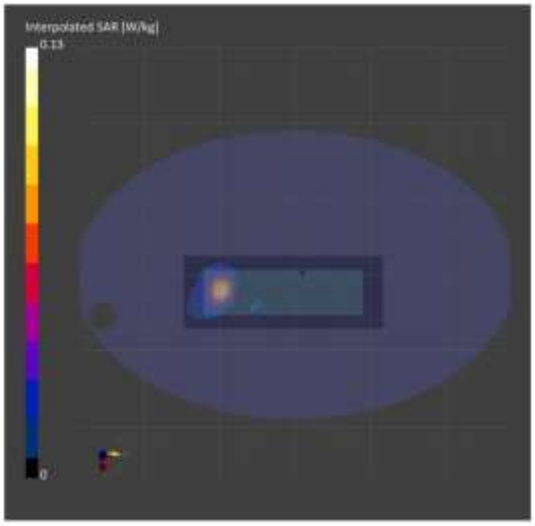
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL2450 , 2022-Jan-21	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 264.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-01-21, 19:40	2022-01-21, 19:48
psSAR1g [W/Kg]	0.102	0.105
psSAR10g [W/Kg]	0.050	0.053
Power Drift [dB]	0.10	0.12
TSL Correction	Positive only	Positive only
M2/M1 [%]		83.9
Dist 3dB Peak [mm]		12.2



Assessments at the LMR ISED Face - Table 37

Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/20/2022 7:16:49 AM

Robot#: DASY5-PG-3 | Run#:	BAD(DAN)-FACE-220120-09#
Model#:	AAH02JDC9VA1AN (PMUD3506B)
Phantom#:	ELI5 1147
Tissue Temp:	21.1(C)
Serial#:	446TYB6677
Antenna:	PMAD4116A
Test Freq:	160.0000 (MHz)
Battery:	PMNN4415A
Carry Acc:	@ front
Audio Acc:	N/A
Start Power:	5.96(W)

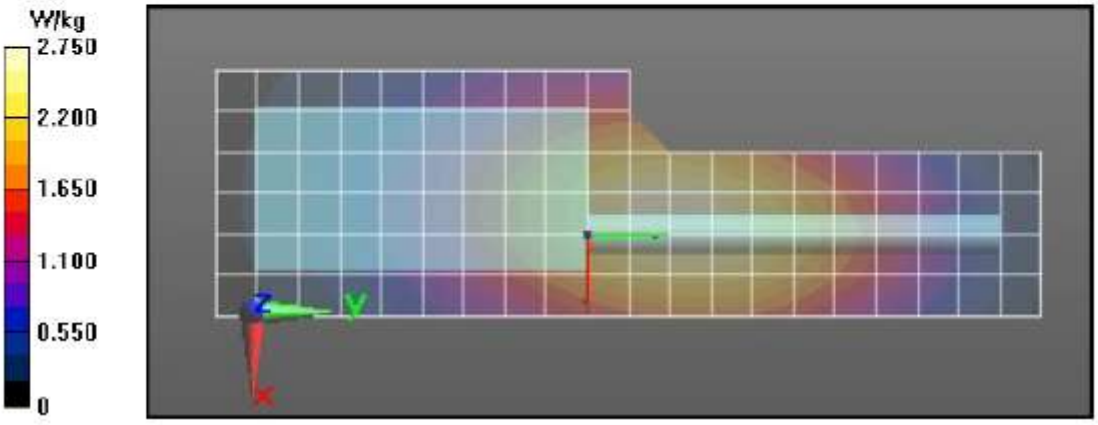
Comments:

Communication System Band: Andorra Refresh VHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 160 MHz; σ = 0.76 S/m; ε_r = 50.1; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 160 MHz, ConvF(14.08, 14.08, 14.08) @ 160 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 60.36 V/m; Power Drift = -0.22 dB
Fast SAR: SAR(1 g) = 2.35 W/kg; SAR(10 g) = 1.8 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.78 W/kg

Below 2 GHz-Rev.3/Face Scan/3-Zoom Scan (6x9x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 60.36 V/m; Power Drift = -0.23 dB
Peak SAR (extrapolated) = 3.16 W/kg
SAR(1 g) = 2.19 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 = 70.3%
Maximum value of SAR (measured) = 2.76 W/kg

Below 2 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.75 W/kg



Assessments at the WLAN 2.4GHz Face for ISED, Canada - Table 37

Motorola Solutions, EME Laboratory

2022-01-20, 21:14

Measurement Report for AAH02JDC9VA1AN (PMUD3506B), 446TYB6679,FRONT, WLAN 2.4GHz, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), Channel 11 (2462.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH02JDC9VA1AN (PMUD3506B)	446TYB6679	211.0 x 60.0 x 48.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 25.00	WLAN 2.4GHz	WLAN, 10415-AAA	2462.0, 11	7.0	1.76	36.8

Hardware Setup

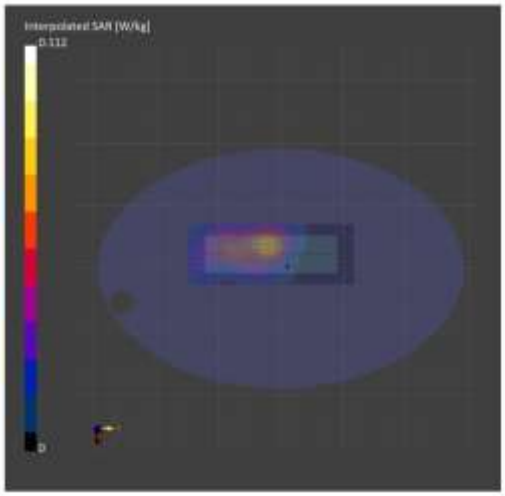
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL2450 , 2022-Jan-20	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 264.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-01-20, 21:14	2022-01-20, 21:23
psSAR1g [W/Kg]	0.061	0.061
psSAR10g [W/Kg]	0.036	0.036
Power Drift [dB]	-0.08	-0.06
TSL Correction	Positive only	Positive only
M2/M1 [%]		81.0
Dist 3dB Peak [mm]		> 15.0



APPENDIX F
Shortened Scan of Highest SAR configuration

Shortened Scan - Table 38

Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/9/2022 12:47:58 AM

Robot#: DASY5-PG-3 | Run#: AM(IRA)-AB-220209-02#
Model#: AAH02JDC9VA1AN (PMUD3506B)
Phantom#: ELI5 1147
Tissue Temp: 22.2 (C)
Serial#: 446TYB6677
Antenna: PMAD4116A
Test Freq: 160.0000(MHz)
Battery: PMNN4416BR
Carry Acc: PMLN7008A
Audio Acc: None(BT)
Start Power: 6.00 (W)

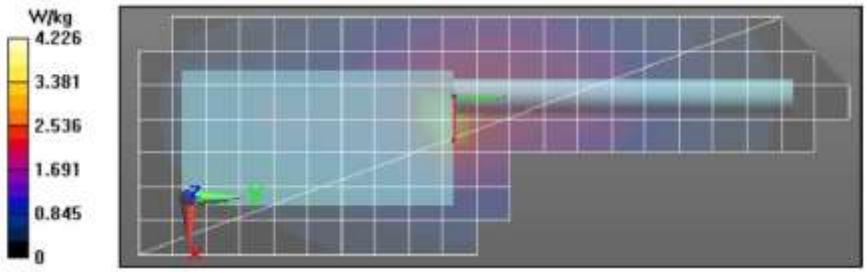
Comments:
Communication System Band: Andorra Refresh VHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 160 MHz; σ = 0.75 S/m; ε_r = 51.9; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 160 MHz, ConvF(14.08, 14.08, 14.08) @ 160 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x211x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 56.46 V/m; Power Drift = -0.44 dB
Fast SAR: SAR(1 g) = 3.23 W/kg; SAR(10 g) = 2.05 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 4.24 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 = 56.46 V/m; Power Drift = -0.43 dB
Fast SAR: SAR(1 g) = 3.52 W/kg; SAR(10 g) = 2.14 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 4.56 W/kg

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 = 75.74 V/m; Power Drift = -0.38 dB
Peak SAR (extrapolated) = 6.47 W/kg
SAR(1 g) = 2.69 W/kg; SAR(10 g) = 1.6 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 = 44.6%
Maximum value of SAR (measured) = 4.29 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) = 4.35 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)	38	9	1.47
Full scan (area & zoom)	28	25	1.61

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