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: 11/18/2021
Report Revision: A

Responsible Engineer:	Puteri Alifah Ilyana Binti Nor Rahim (EME Engineer)
Report Author:	Puteri Alifah Ilyana Binti Nor Rahim (EME Engineer)
Date/s Tested:	9/23/2021-10/4/2021, 11/2/2021-11/3/2021, 11/16/2021
Manufacturer:	Motorola Solutions Inc.
DUT Descriptions:	Handheld Portable – CP200d 403-470M 4W ND
Test TX mode(s):	CW (PTT)
Max. Power output:	4.8W
Nominal Power:	4.0W
Tx Frequency Bands:	403-470MHz
Signaling type:	FM
Model(s) Tested:	AAH01QDC9JA2AN (PMUE4147C) / PMUE4147CAANAA
Model(s) Certified:	AAH01QDC9JA2AN (PMUE4147C) / PMUE4147CAANAA; AAH01QDC9JC2AN (PMUE4147C) / PMUE4147CAANEA
Serial Number(s):	752TXT0618, 752TXT0613
Classification:	Occupational/Controlled
Applicant Name:	Motorola Solutions Inc.
Applicant Address:	8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322
FCC ID:	AZ489FT4968; LMR 406.125-470 MHz This report contains results that are immaterial for FCC equipment approval, which are clearly identified.
IC:	109U-89FT4968; 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 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: 11/22/2021

Appendix E
System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/23/2021 10:51:01 PM

Robot#: DASY5-xx-x | Run#:	AF-SYSP-450H-210923-01
Dipole Model#	D450V3
Phantom#:	ELI4 1108
Tissue Temp:	21.0 (C)
Serial#:	1054
Test Freq:	450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.120 dB
Adjusted SAR (1W):	4.80 mW/g (1g)

Comments:

Communication System Band: Dipole 450, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: f = 450 MHz; σ = 0.89 S/m; ε_r = 45.1; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 450 MHz, ConvF(11.65, 11.65, 11.65) @ 450 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x221x1):

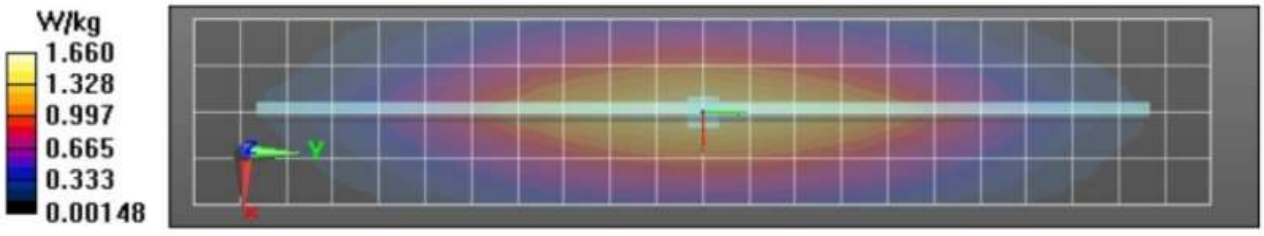
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 44.37 V/m; Power Drift = 0.04 dB
Fast SAR: SAR(1 g) = 1.31 W/kg; SAR(10 g) = 0.897 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.66 W/kg

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 = 44.37 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.92 W/kg
SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.798 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 = 63.2%
Maximum value of SAR (measured) = 1.66 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) = 1.67 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/24/2021 10:19:58 PM

Robot#: DASY5-xx-x | Run#:	AF(SAN)-SYSP-450H-210924-17
Dipole Model#	D450V3
Phantom#:	ELI4 1108
Tissue Temp:	21.0 (C)
Serial#:	1054
Test Freq:	450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.130 dB
Adjusted SAR (1W):	4.92 mW/g (1g)

Comments:

Communication System Band: Dipole 450, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 450 MHz; σ = 0.87 S/m; ε_r = 41.9; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 450 MHz, ConvF(11.65, 11.65, 11.65) @ 450 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x221x1):

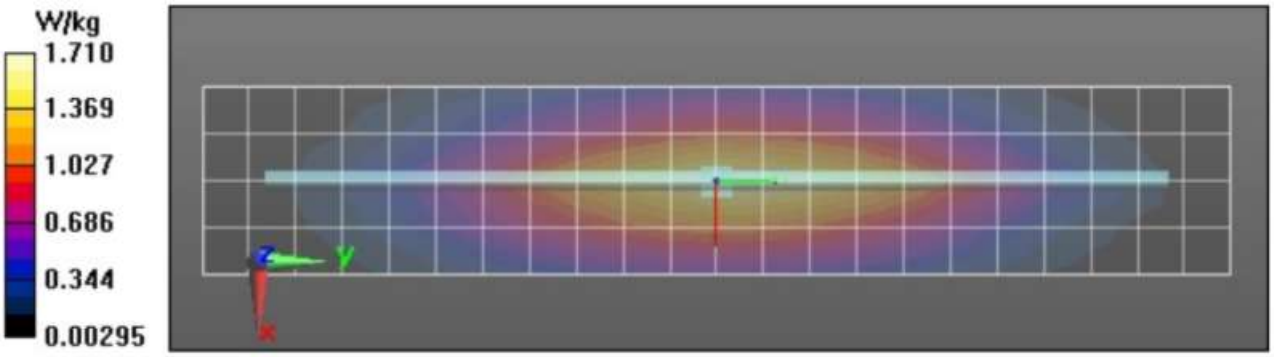
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 45.84 V/m; Power Drift = -0.07 dB
Fast SAR: SAR(1 g) = 1.35 W/kg; SAR(10 g) = 0.931 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.71 W/kg

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 = 45.84 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 2.03 W/kg
SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.809 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 = 61.1%
Maximum value of SAR (measured) = 1.72 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) = 1.71 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/25/2021 11:05:00 PM

Robot#: DASY5-xx-x | Run#:	AF(SAN)-SYSP-450H-210925-15
Dipole Model#	D450V3
Phantom#:	ELI4 1108
Tissue Temp:	21.0 (C)
Serial#:	1054
Test Freq:	450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.120 dB
Adjusted SAR (1W):	5.00 mW/g (1g)

Comments:

Communication System Band: Dipole 450, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 450 MHz; σ = 0.88 S/m; ε_r = 42.4; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 450 MHz, ConvF(11.65, 11.65, 11.65) @ 450 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x221x1):

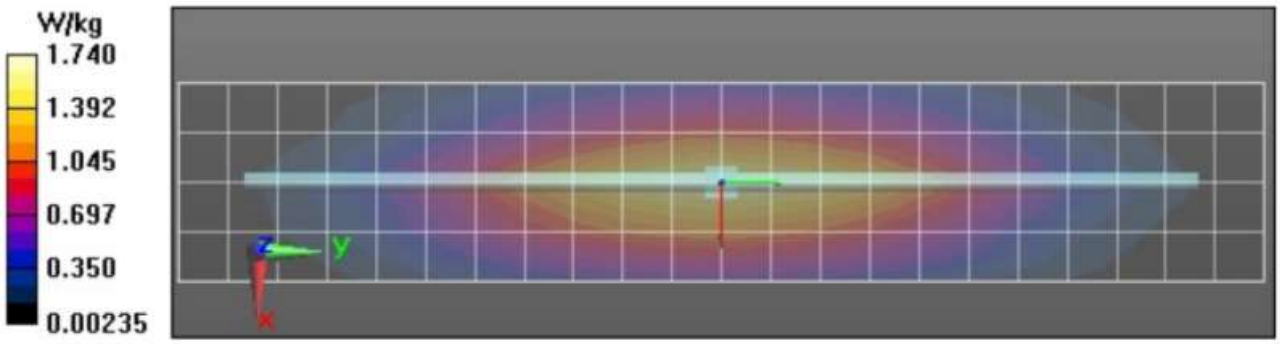
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 45.71 V/m; Power Drift = 0.01 dB
Fast SAR: SAR(1 g) = 1.37 W/kg; SAR(10 g) = 0.941 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.75 W/kg

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 = 45.71 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 2.05 W/kg
SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.828 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 = 62%
Maximum value of SAR (measured) = 1.75 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) = 1.74 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/27/2021 12:54:35 AM

Robot#: DASY5-xx-x | Run#:	AF(SAN)-SYSP-450H-210927-01
Dipole Model#	D450V3
Phantom#:	ELI4 1108
Tissue Temp:	21.8 (C)
Serial#:	1054
Test Freq:	450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.120 dB
Adjusted SAR (1W):	4.76 mW/g (1g)

Comments:

Communication System Band: Dipole 450, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 450 MHz; σ = 0.9 S/m; ε_r = 42.8; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 450 MHz, ConvF(11.65, 11.65, 11.65) @ 450 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x221x1):

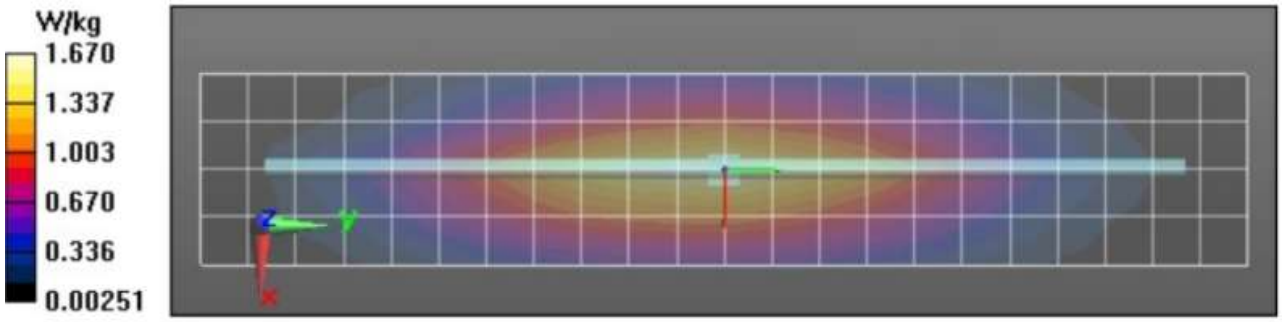
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 44.66 V/m; Power Drift = -0.03 dB
Fast SAR: SAR(1 g) = 1.3 W/kg; SAR(10 g) = 0.897 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.68 W/kg

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 = 44.66 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.96 W/kg
SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.786 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 = 62.3%
Maximum value of SAR (measured) = 1.68 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) = 1.68 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/28/2021 12:47:54 AM

Robot#: DASY5-xx-x | Run#:	MHI-SYSP-450H-210928-01
Dipole Model#	D450V3
Phantom#:	ELI4 1108
Tissue Temp:	20.4 (C)
Serial#:	1054
Test Freq:	450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.140 dB
Adjusted SAR (1W):	4.76 mW/g (1g)

Comments:

Communication System Band: Dipole 450, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: f = 450 MHz; σ = 0.91 S/m; ε_r = 42.4; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 450 MHz, ConvF(11.65, 11.65, 11.65) @ 450 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x221x1):

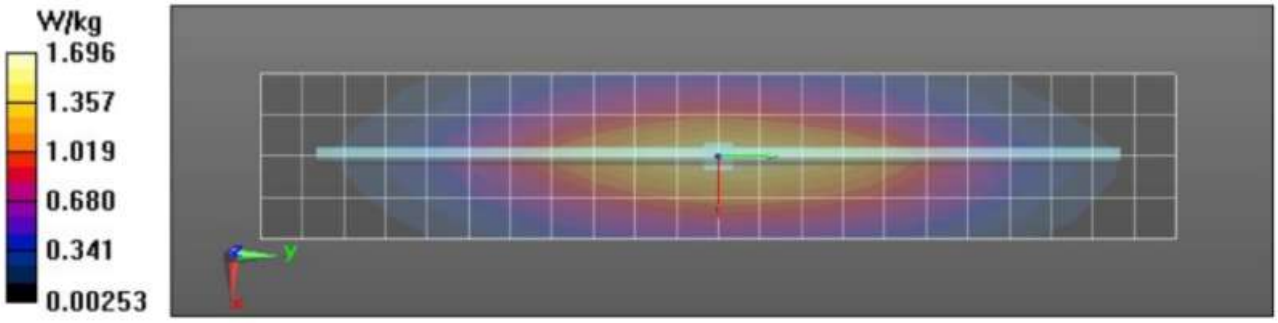
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 45.79 V/m; Power Drift = -0.15 dB
Fast SAR: SAR(1 g) = 1.3 W/kg; SAR(10 g) = 0.898 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.70 W/kg

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 = 45.79 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.99 W/kg
SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.795 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 = 62.4%
Maximum value of SAR (measured) = 1.71 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) = 1.75 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/29/2021 2:25:36 AM

Robot#: DASY5-xx-x | Run#:	MHI-SYSP-450H-210929-02
Dipole Model#	D450V3
Phantom#:	ELI4 1108
Tissue Temp:	20.6 (C)
Serial#:	1054
Test Freq:	450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.110 dB
Adjusted SAR (1W):	4.68 mW/g (1g)

Comments:

Communication System Band: Dipole 450, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 450 MHz; σ = 0.88 S/m; ε_r = 42.2; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 450 MHz, ConvF(11.65, 11.65, 11.65) @ 450 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x221x1):

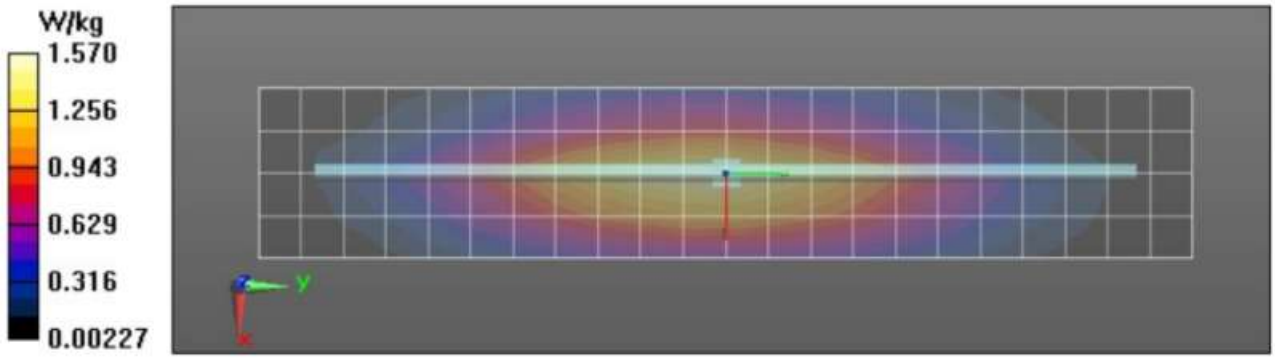
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 43.95 V/m; Power Drift = 0.05 dB
Fast SAR: SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.871 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.59 W/kg

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 = 43.95 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.90 W/kg
SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.775 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 = 62.5%
Maximum value of SAR (measured) = 1.63 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) = 1.62 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/30/2021 2:28:19 AM

Robot#: DASY5-xx-x | Run#:	MHI-SYSP-450H-210930-02
Dipole Model#	D450V3
Phantom#:	ELI4 1108
Tissue Temp:	22.5 (C)
Serial#:	1054
Test Freq:	450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.100 dB
Adjusted SAR (1W):	4.72 mW/g (1g)

Comments:

Communication System Band: Dipole 450, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 450 MHz; σ = 0.89 S/m; ε_r = 42.2; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 450 MHz, ConvF(11.65, 11.65, 11.65) @ 450 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x221x1):

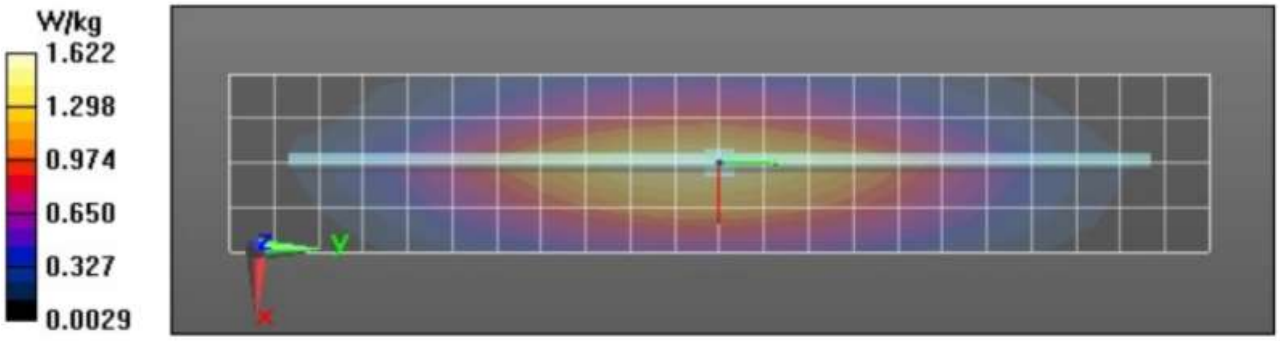
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 45.35 V/m; Power Drift = -0.19 dB
Fast SAR: SAR(1 g) = 1.28 W/kg; SAR(10 g) = 0.885 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.64 W/kg

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 = 45.35 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.95 W/kg
SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.780 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 = 62%
Maximum value of SAR (measured) = 1.67 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) = 1.70 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/1/2021 3:59:29 AM

Robot#: DASY5-xx-x | Run#:	MFR-SYSP-450H-211001-03
Dipole Model#	D450V3
Phantom#:	ELI4 1108
Tissue Temp:	22.0 (C)
Serial#:	1054
Test Freq:	450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.11 dB
Adjusted SAR (1W):	4.76 mW/g (1g)

Comments:

Communication System Band: Dipole 450, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 450 MHz; σ = 0.87 S/m; ε_r = 42.3; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 450 MHz, ConvF(11.65, 11.65, 11.65) @ 450 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x221x1):

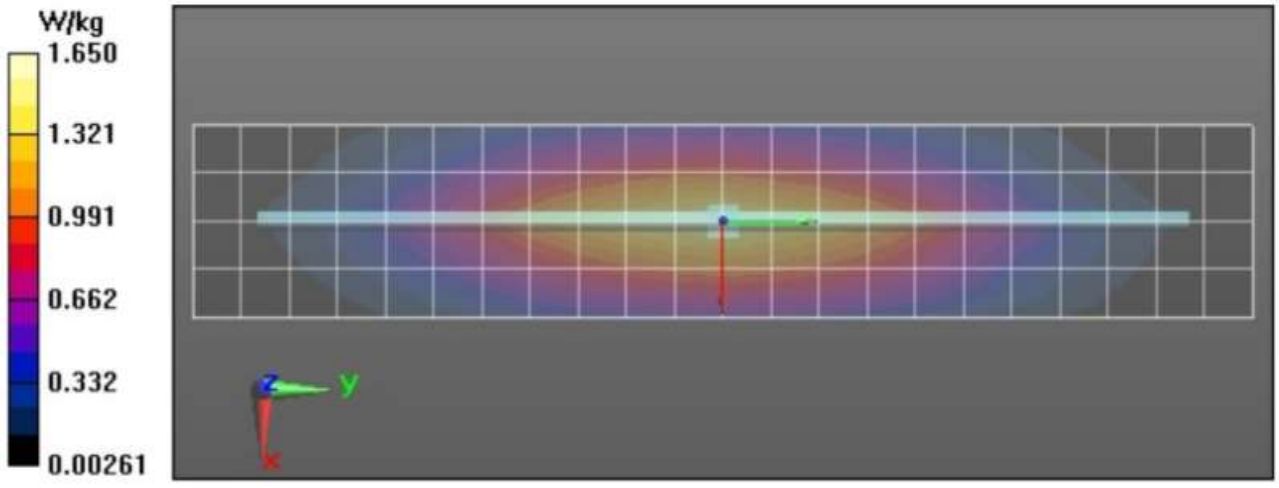
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 44.66 V/m; Power Drift = 0.00 dB
Fast SAR: SAR(1 g) = 1.3 W/kg; SAR(10 g) = 0.899 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.65 W/kg

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 = 44.66 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.91 W/kg
SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.791 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 = 62.8%
Maximum value of SAR (measured) = 1.65 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) = 1.65 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/2/2021 3:36:56 AM

Robot#: DASY5-xx-x | Run#:	MFR-SYSP-450H-211002-06
Dipole Model#	D450V3
Phantom#:	ELI4 1108
Tissue Temp:	22.0 (C)
Serial#:	1054
Test Freq:	450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.15 dB
Adjusted SAR (1W):	4.84 mW/g (1g)

Comments:

Communication System Band: Dipole 450, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 450 MHz; σ = 0.89 S/m; ε_r = 41.9; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 450 MHz, ConvF(11.65, 11.65, 11.65) @ 450 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x221x1):

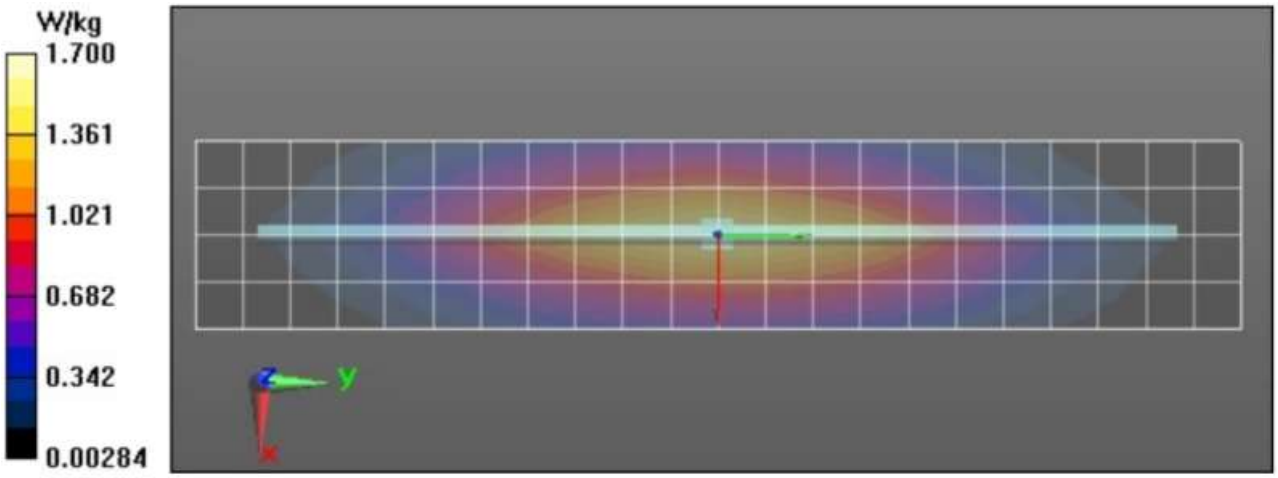
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 46.12 V/m; Power Drift = -0.11 dB
Fast SAR: SAR(1 g) = 1.32 W/kg; SAR(10 g) = 0.912 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.70 W/kg

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 = 46.12 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.98 W/kg
SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.804 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 = 62.7%
Maximum value of SAR (measured) = 1.70 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) = 1.74 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/3/2021 5:26:29 AM

Robot#: DASY5-xx-x | Run#:	MFR-SYSP-450H-211003-05
Dipole Model#	D450V3
Phantom#:	ELI4 1108
Tissue Temp:	22.5 (C)
Serial#:	1054
Test Freq:	450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.18 dB
Adjusted SAR (1W):	4.60 mW/g (1g)

Comments:

Communication System Band: Dipole 450, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 450 MHz; σ = 0.87 S/m; ε_r = 41.7; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 450 MHz, ConvF(11.65, 11.65, 11.65) @ 450 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x221x1):

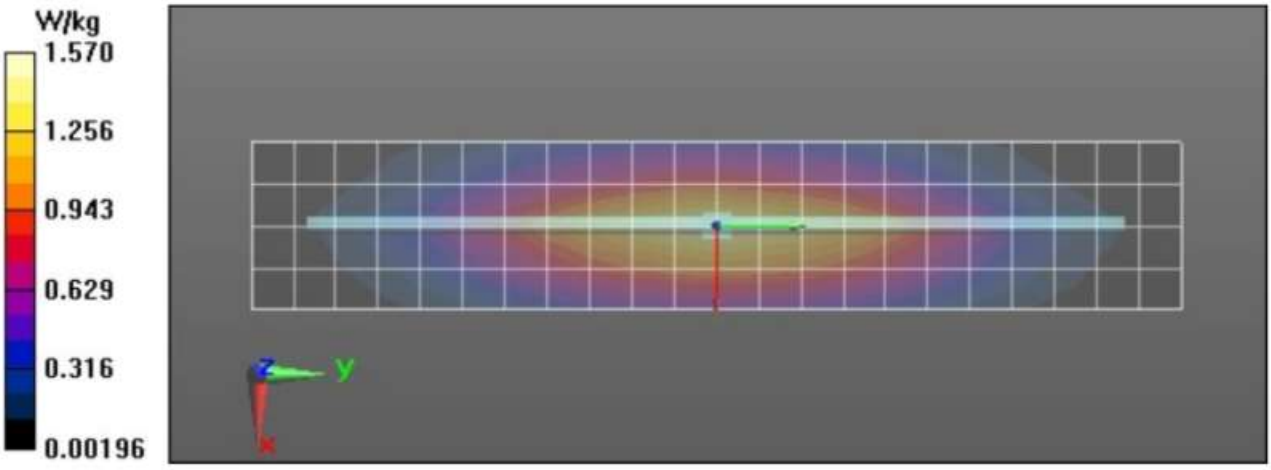
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 47.70 V/m; Power Drift = -0.16 dB
Fast SAR: SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.860 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.58 W/kg

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 = 47.70 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.85 W/kg
SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.760 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 = 62.4%
Maximum value of SAR (measured) = 1.59 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) = 1.80 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/2/2021 8:41:22 PM

Robot#: DASY5-xx-x | Run#:	MFR-SYSP-450H-211102-17
Dipole Model#	D450V3
Phantom#:	ELI4 1108
Tissue Temp:	21.0 (C)
Serial#:	1054
Test Freq:	450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.110 dB
Adjusted SAR (1W):	4.52 mW/g (1g)

Comments:

Communication System Band: Dipole 450, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 450 MHz; σ = 0.87 S/m; ε_r = 44.5; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 450 MHz, ConvF(11.65, 11.65, 11.65) @ 450 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x221x1):

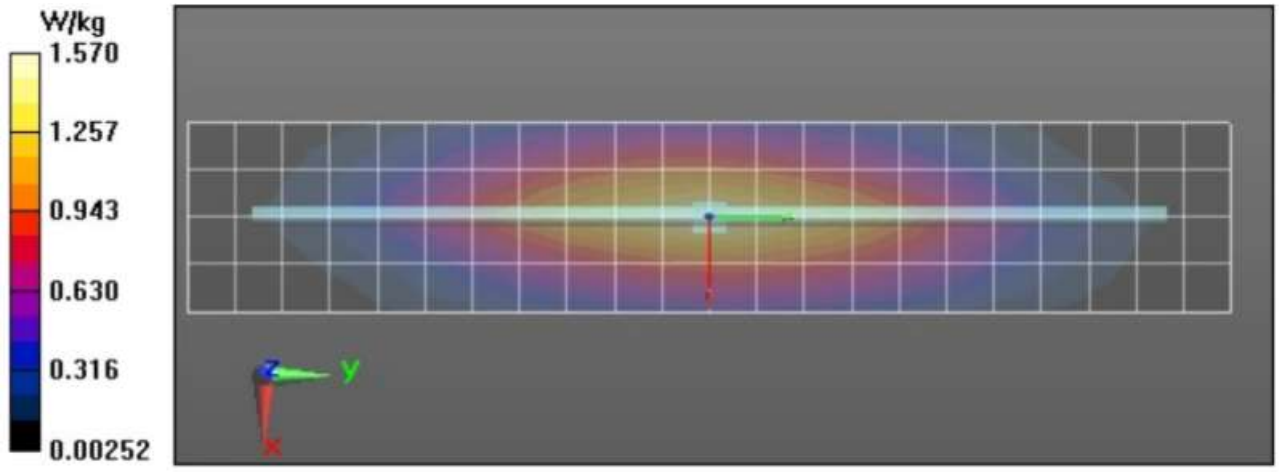
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 43.88 V/m; Power Drift = -0.13 dB
Fast SAR: SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.861 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.57 W/kg

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 = 43.88 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.81 W/kg
SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.747 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 = 62.2%
Maximum value of SAR (measured) = 1.55 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) = 1.55 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/12/2021 12:14:32 AM

Robot#: DASY5-PG-2 | Run#:	AF-SYSP-450H-211112-01
Dipole Model#	D450V3
Phantom#:	ELI4 1103
Tissue Temp:	20.2 (C)
Serial#:	1054
Test Freq:	450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.100 dB
Adjusted SAR (1W):	4.76 mW/g (1g)

Comments:

Communication System Band: Dipole 450, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: f = 450 MHz; σ = 0.88 S/m; ε_r = 44.1; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 450 MHz, ConvF(11.65, 11.65, 11.65) @ 450 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x221x1):

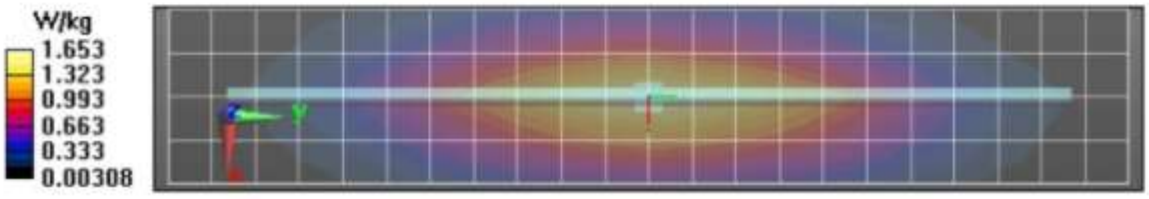
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 45.19 V/m; Power Drift = -0.13 dB
Fast SAR: SAR(1 g) = 1.31 W/kg; SAR(10 g) = 0.904 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.66 W/kg

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 = 45.19 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.91 W/kg
SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.791 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 = 62.9%
Maximum value of SAR (measured) = 1.64 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) = 1.65 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/16/2021 9:49:43 AM

Robot#: DASY5-xx-x | Run#:	MFR(AMF)-SYSP-450H-211116-02
Dipole Model#	D450V3
Phantom#:	ELI4 1103
Tissue Temp:	22.2 (C)
Serial#:	1054
Test Freq:	450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.12 dB
Adjusted SAR (1W):	4.76 mW/g (1g)

Comments:

Communication System Band: Dipole 450, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 450 MHz; σ = 0.89 S/m; ε_r = 45.1; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 450 MHz, ConvF(11.65, 11.65, 11.65) @ 450 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x221x1):

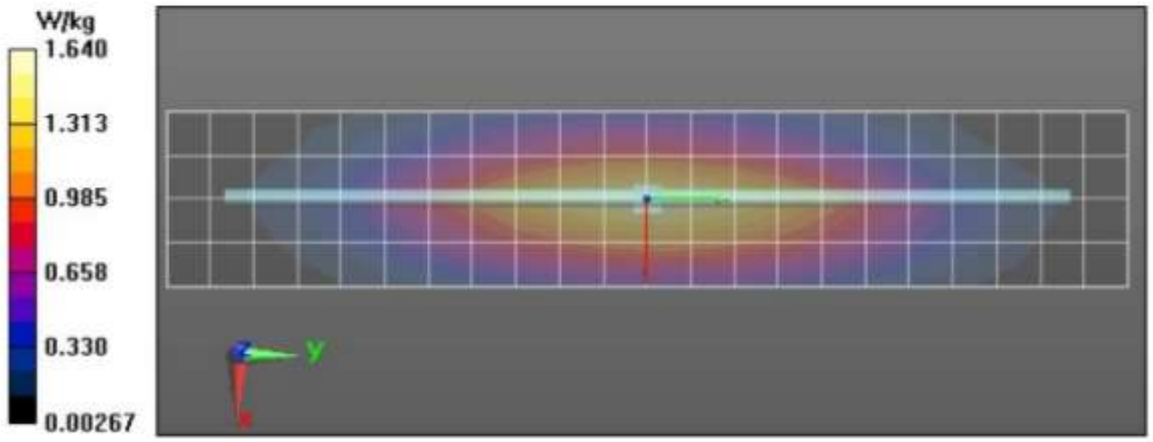
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 44.27 V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 1.3 W/kg; SAR(10 g) = 0.892 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.65 W/kg

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 = 44.27 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.94 W/kg
SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.780 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 = 61.8%
Maximum value of SAR (measured) = 1.66 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) = 1.66 W/kg



Appendix F
DUT Scans

Assessments at the FCC LMR Body with Body worn RLN5644A -Table 18

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/24/2021 2:40:43 PM

Robot#: DASY5-PG-2 | Run#: MFR-AB-210924-13#
Model#: AAH01QDC9JA2AN (PMUE4147C); (IC MODEL: PMUE4147CAANAA)
Phantom#: ELI4 1108
Tissue Temp: 21.3 (C)
Serial#: 752TXT0618
Antenna: PMAE4016A
Test Freq: 420.900 (MHz)
Battery: NNTN4851A
Carry Acc: RLN5644A
Audio Acc: PMMN4013A
Start Power: 4.80 (W)

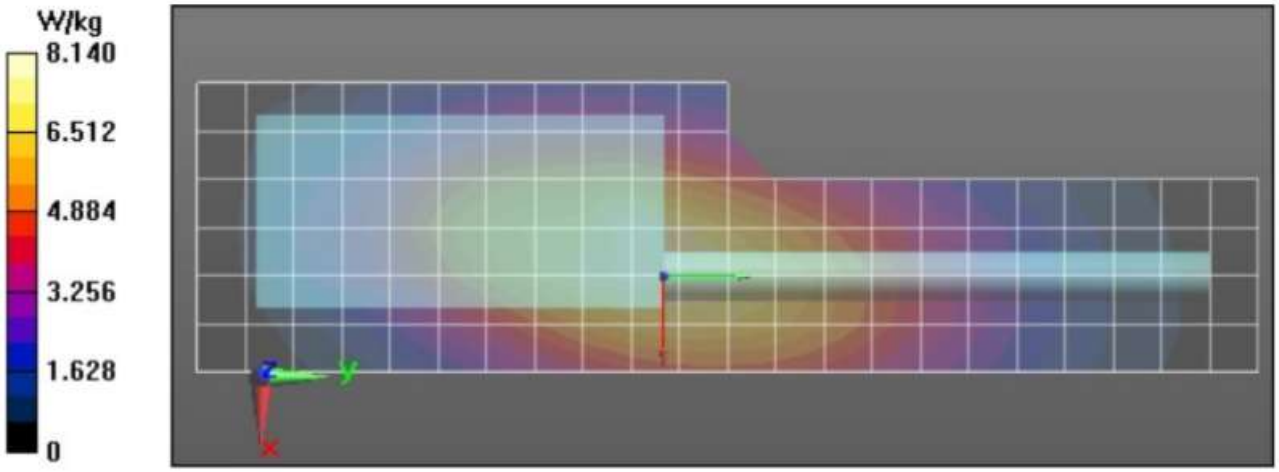
Comments:

Communication System Band: Timor UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 421 MHz; σ = 0.87 S/m; ε_r = 45.7; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 420.9 MHz, ConvF(11.65, 11.65, 11.65) @ 420.9 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 103.3 V/m; Power Drift = -0.77 dB
Fast SAR: SAR(1 g) = 6.78 W/kg; SAR(10 g) = 4.9 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 8.36 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 = 103.3 V/m; Power Drift = -0.76 dB
Peak SAR (extrapolated) = 9.10 W/kg
SAR(1 g) = 6.35 W/kg; SAR(10 g) = 4.61 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 = 69.3%
Maximum value of SAR (measured) = 8.09 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) = 8.07 W/kg



Assessments at the FCC LMR Body with Body worn HLN8255B -Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 9/25/2021 3:01:35 PM

Robot#: DASY5-PG-2 | Run#: MFR-AB-210925-12#
Model#: AAH01QDC9JA2AN (PMUE4147C); (IC MODEL: PMUE4147CAANAA)
Phantom#: ELI4 1108
Tissue Temp: 21.1 (C)
Serial#: 752TXT0618
Antenna: PMAE4016A
Test Freq: 420.9000 (MHz)
Battery: NNTN4851A
Carry Acc: HLN8255B
Audio Acc: PMMN4013A
Start Power: 4.80 (W)

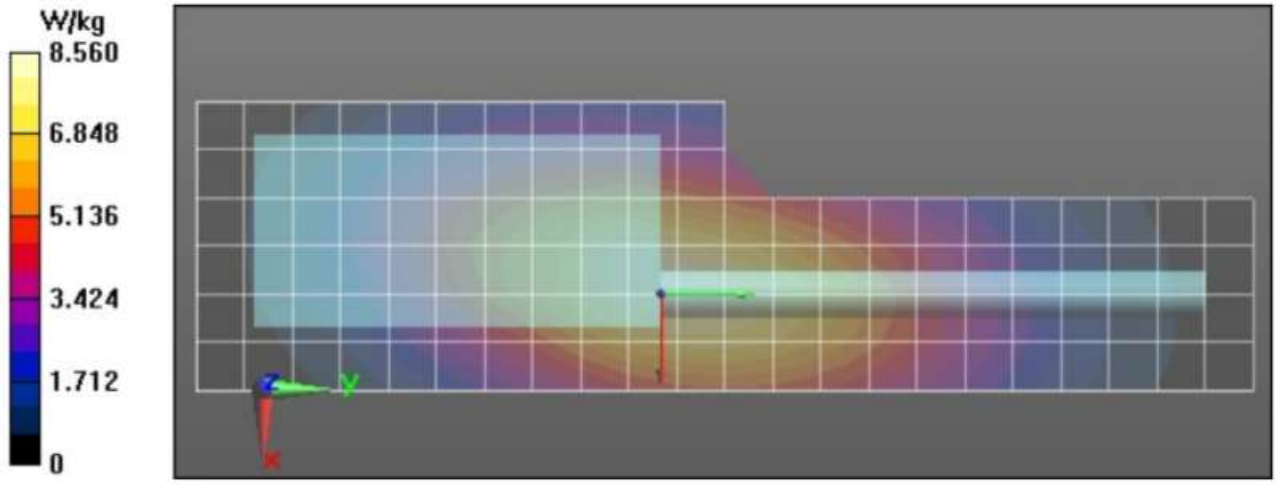
Comments:

Communication System Band: Timor UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 421 MHz; σ = 0.85 S/m; ε_r = 42.5; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 420.9 MHz, ConvF(11.65, 11.65, 11.65) @ 420.9 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 106.5 V/m; Power Drift = -0.42 dB
Fast SAR: SAR(1 g) = 7.2 W/kg; SAR(10 g) = 5.25 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 8.77 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 = 106.5 V/m; Power Drift = -0.35 dB
Peak SAR (extrapolated) = 9.97 W/kg
SAR(1 g) = 6.92 W/kg; SAR(10 g) = 5.07 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 = 68.5%
Maximum value of SAR (measured) = 8.76 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) = 8.90 W/kg



Assessments at the FCC LMR Body with Body worn HLN6602A -Table 20

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/26/2021 9:35:56 AM

Robot#: DASY5-PG-2 | Run#:	MFR-AB-210926-11#
Model#:	AAH01QDC9JA2AN (PMUE4147C); (IC MODEL: PMUE4147CAANAA)
Phantom#:	ELI4 1108
Tissue Temp:	21.1 (C)
Serial#:	752TXT0618
Antenna:	PMAE4016A
Test Freq:	420.9000 (MHz)
Battery:	NNTN4970A
Carry Acc:	HLN6602A
Audio Acc:	PMMN4013A
Start Power:	4.80 (W)

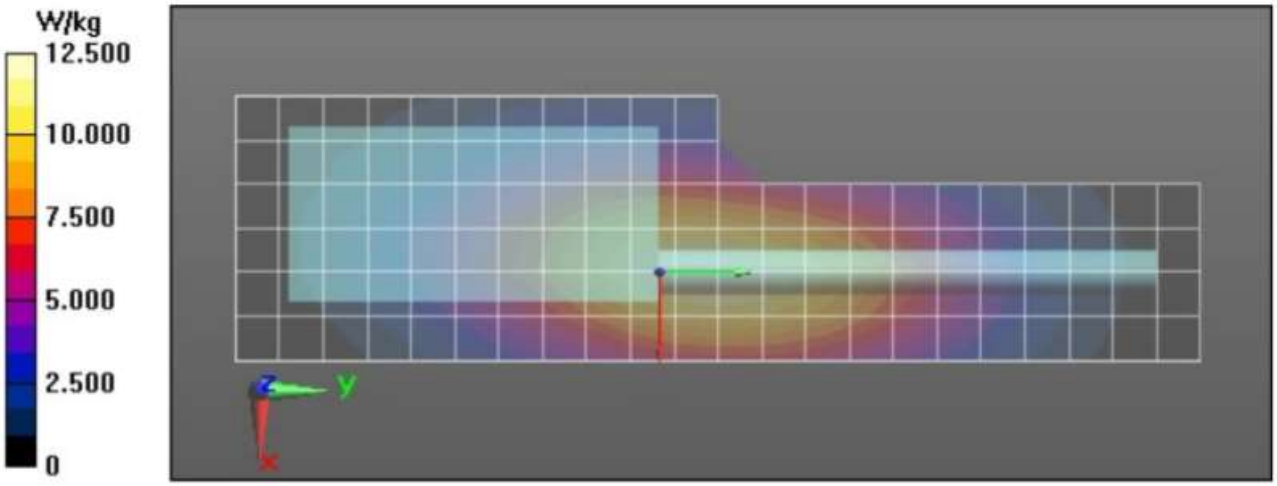
Comments:

Communication System Band: Timor UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 421 MHz; σ = 0.85 S/m; ε_r = 43; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 420.9 MHz, ConvF(11.65, 11.65, 11.65) @ 420.9 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 126.7 V/m; Power Drift = -0.41 dB
Fast SAR: SAR(1 g) = 10.3 W/kg; SAR(10 g) = 7.49 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 12.5 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 = 126.7 V/m; Power Drift = -0.39 dB
Peak SAR (extrapolated) = 13.7 W/kg
SAR(1 g) = 9.49 W/kg; SAR(10 g) = 6.83 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 = 68.5%
Maximum value of SAR (measured) = 12.1 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) = 12.0 W/kg



Assessments at the FCC LMR Body with Body worn RLN4815A -Table 21

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/27/2021 2:06:44 PM

Robot#: DASY5-PG-2 | Run#: BL-AB-210927-09
Model#: AAH01QDC9JA2AN (PMUE4147C); (IC MODEL: PMUE4147CAANAA)
Phantom#: ELI4 1108
Tissue Temp: 22.0 (C)
Serial#: 752TXT0618
Antenna: PMAE4016A
Test Freq: 420.9000 (MHz)
Battery: PMNN4251B
Carry Acc: RLN4815A
Audio Acc: PMMN4013A
Start Power: 4.80 (W)

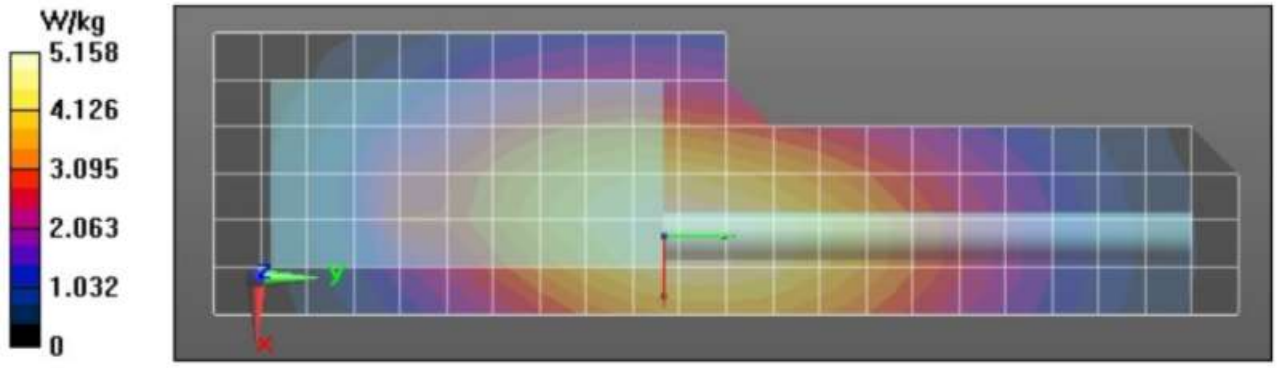
Comments:

Communication System Band: Timor Refresh UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 421 MHz; σ = 0.87 S/m; ε_r = 43.4; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 420.9 MHz, ConvF(11.65, 11.65, 11.65) @ 420.9 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 81.38 V/m; Power Drift = -0.48 dB
Fast SAR: SAR(1 g) = 4.23 W/kg; SAR(10 g) = 3.11 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.18 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 = 81.38 V/m; Power Drift = -0.55 dB
Peak SAR (extrapolated) = 5.62 W/kg
SAR(1 g) = 4 W/kg; SAR(10 g) = 2.98 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 = 71.1%
Maximum value of SAR (measured) = 5.02 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) = 4.96 W/kg



Assessments at the FCC LMR Body with Body worn RLN4570A -Table 22

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/27/2021 9:41:48 PM

Robot#: DASY5-PG-2 | Run#:	MHI-AB-210927-18
Model#:	AAH01QDC9JA2AN (PMUE4147C); (IC MODEL: PMUE4147CAANAA)
Phantom#:	ELI4 1108
Tissue Temp:	21.5 (C)
Serial#:	752TXT0618
Antenna:	PMAE4016A
Test Freq:	420.9000 (MHz)
Battery:	NNTN4970A
Carry Acc:	RLN4570A
Audio Acc:	PMMN4013A
Start Power:	4.80 (W)

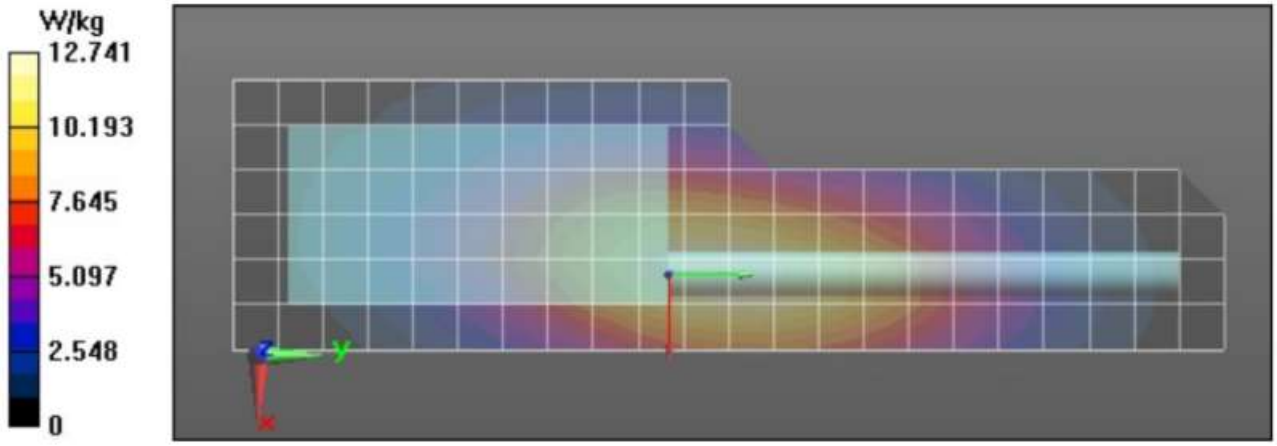
Comments:

Communication System Band: Timor Refresh UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 421 MHz; σ = 0.87 S/m; ε_r = 43.4; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 420.9 MHz, ConvF(11.65, 11.65, 11.65) @ 420.9 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 123.5 V/m; Power Drift = -0.47 dB
Fast SAR: SAR(1 g) = 10.6 W/kg; SAR(10 g) = 7.71 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 13.0 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 = 123.5 V/m; Power Drift = -0.49 dB
Peak SAR (extrapolated) = 14.2 W/kg
SAR(1 g) = 9.77 W/kg; SAR(10 g) = 7.06 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 = 68.9%
Maximum value of SAR (measured) = 12.6 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) = 12.4 W/kg



Assessments at the FCC LMR Body with Body worn RLN5383A w/ NTN5243A -Table 23

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/28/2021 5:18:53 PM

Robot#: DASY5-PG-2 | Run#:	AF-AB-210928-19
Model#:	AAH01QDC9JA2AN (PMUE4147C); (IC MODEL: PMUE4147CAANAA)
Phantom#:	ELI4 1108
Tissue Temp:	20.5 (C)
Serial#:	752TXT0618
Antenna:	PMAE4016A
Test Freq:	420.9000 (MHz)
Battery:	NNTN4851A
Carry Acc:	RLN5383A W/ NTN5243A
Audio Acc:	PMMN4013A
Start Power:	4.80 (W)

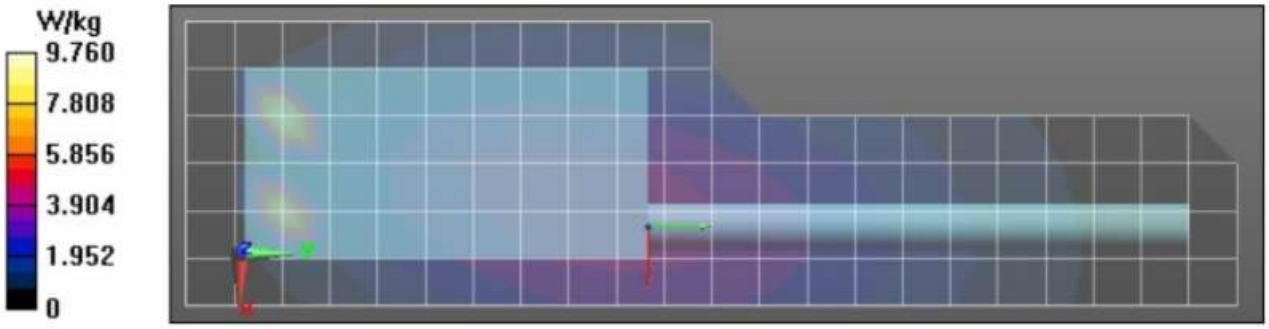
Comments:

Communication System Band: Timor Refresh UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 421 MHz; σ = 0.88 S/m; ε_r = 43.1; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 420.9 MHz, ConvF(11.65, 11.65, 11.65) @ 420.9 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 69.13 V/m; Power Drift = -0.46 dB
Fast SAR: SAR(1 g) = 4.98 W/kg; SAR(10 g) = 2.31 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 10.2 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 = 69.13 V/m; Power Drift = -1.01 dB
Peak SAR (extrapolated) = 34.7 W/kg
SAR(1 g) = 3.31 W/kg; SAR(10 g) = 1.14 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 5.5 mm
Ratio of SAR at M2 to SAR at M1 = 45.3%
Maximum value of SAR (measured) = 9.09 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) = 8.58 W/kg



Assessments at the FCC LMR Body with Body worn RLN5384B w/ NTN5243A -Table 24

Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/16/2021 10:49:34 AM

Robot#: DASY5-PG-2 | Run#:	MFR-AB-211116-03
Model#:	AAH01QDC9JA2AN (PMUE4147C); (IC MODEL: PMUE4147CAANAA)
Phantom#:	ELI4 1103
Tissue Temp:	22.2 (C)
Serial#:	752TXT0618
Antenna:	PMAE4016A
Test Freq:	420.9000 (MHz)
Battery:	PMNN4450AR
Carry Acc:	RLN5384B w/o belt loop & w/ NTN5243A
Audio Acc:	PMMN4013A
Start Power:	4.76 (W)

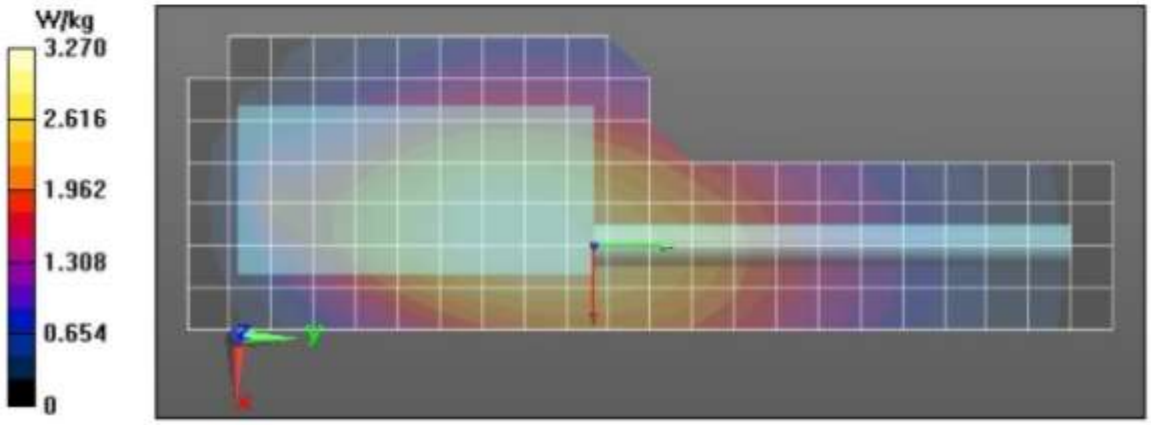
Comments:

Communication System Band: Timor UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 421 MHz; σ = 0.86 S/m; ε_r = 45.7; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 420.9 MHz, ConvF(11.65, 11.65, 11.65) @ 420.9 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 62.60 V/m; Power Drift = -0.36 dB
Fast SAR: SAR(1 g) = 2.78 W/kg; SAR(10 g) = 2.04 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.34 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 = 62.60 V/m; Power Drift = -0.42 dB
Peak SAR (extrapolated) = 3.60 W/kg
SAR(1 g) = 2.63 W/kg; SAR(10 g) = 1.95 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 71.7%
Maximum value of SAR (measured) = 3.22 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) = 3.22 W/kg



Assessments at the FCC LMR Body with Body worn HLN9701B w/ NTN5243A -Table 25

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/1/2021 4:44:09 AM

Robot#: DASY5-PG-2 | Run#: MFR-AB-211001-04
Model#: AAH01QDC9JA2AN (PMUE4147C); (IC MODEL: PMUE4147CAANAA)
Phantom#: ELI4 1108
Tissue Temp: 22.3 (C)
Serial#: 752TXT0618
Antenna: PMAE4016A
Test Freq: 420.9000 (MHz)
Battery: NNTN4970A
Carry Acc: HLN9701B w/ NTN5243A
Audio Acc: PMMN4013A
Start Power: 4.80 (W)

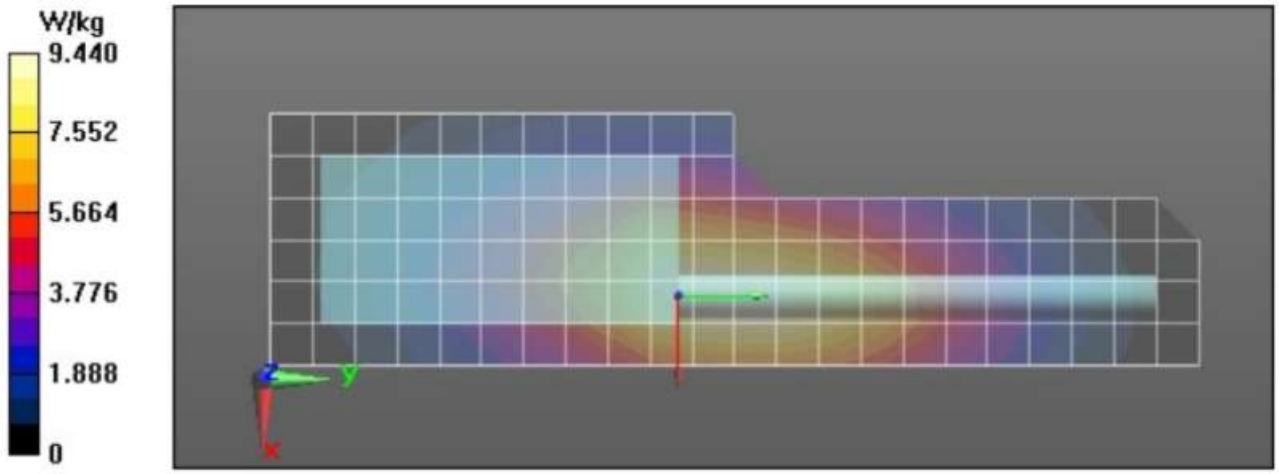
Comments:

Communication System Band: Timor UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 421 MHz; σ = 0.85 S/m; ε_r = 42.9; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 420.9 MHz, ConvF(11.65, 11.65, 11.65) @ 420.9 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 109.8 V/m; Power Drift = -0.35 dB
Fast SAR: SAR(1 g) = 7.92 W/kg; SAR(10 g) = 5.78 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 9.60 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 = 109.8 V/m; Power Drift = -0.61 dB
Peak SAR (extrapolated) = 10.5 W/kg
SAR(1 g) = 7.33 W/kg; SAR(10 g) = 5.35 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 69.2%
Maximum value of SAR (measured) = 9.25 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) = 8.87 W/kg



Assessment at the Body with other audio accessories - Table 26

Motorola Solutions, Inc. EME Laboratory
Date/Time: 10/2/2021 4:21:05 AM

Robot#: DASY5-PG-2 | Run#: MFR-AB-211002-07
Model#: AAH01QDC9JA2AN (PMUE4147C); (IC MODEL: PMUE4147CAANAA)
Phantom#: ELI4 1108
Tissue Temp: 22.5 (C)
Serial#: 752TXT0618
Antenna: PMAE4016A
Test Freq: 420.9000 (MHz)
Battery: NNTN4970A
Carry Acc: RLN4570A
Audio Acc: PMNN4092A
Start Power: 4.80 (W)

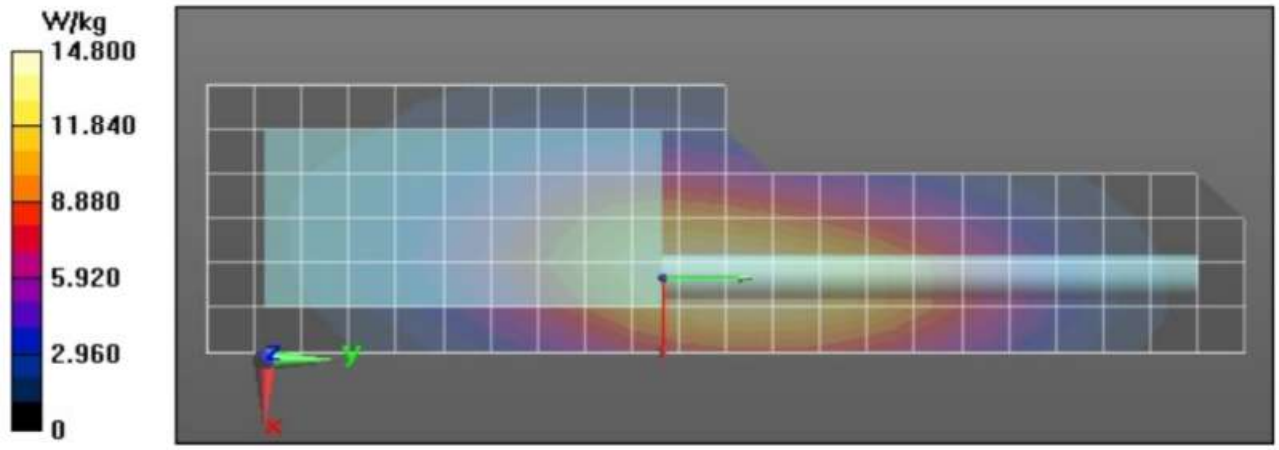
Comments:

Communication System Band: Timor Refresh UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 421 MHz; σ = 0.87 S/m; ε_r = 42.6; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 420.9 MHz, ConvF(11.65, 11.65, 11.65) @ 420.9 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 131.1 V/m; Power Drift = -0.40 dB
Fast SAR: SAR(1 g) = 12.4 W/kg; SAR(10 g) = 8.96 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 15.2 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 = 131.1 V/m; Power Drift = -0.49 dB
Peak SAR (extrapolated) = 16.5 W/kg
SAR(1 g) = 11.3 W/kg; SAR(10 g) = 8.03 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 = 68%
Maximum value of SAR (measured) = 14.6 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) = 14.5 W/kg



Assessment at the Face with DUT @ front - Table 28

Motorola Solutions, Inc. EME Laboratory
Date/Time: 10/2/2021 10:58:38 AM

Robot#: DASY5-PG-2 | Run#:	AF(SAN)-FACE-211002-14
Model#:	AAH01QDC9JA2AN (PMUE4147C); (IC MODEL: PMUE4147CAANAA)
Phantom#:	ELI4 1108
Tissue Temp:	22.0 (C)
Serial#:	752TXT0618
Antenna:	PMAE4002A
Test Freq:	420.9000 (MHz)
Battery:	NNTN4497D
Carry Acc:	@ front
Audio Acc:	N/A
Start Power:	4.80 (W)

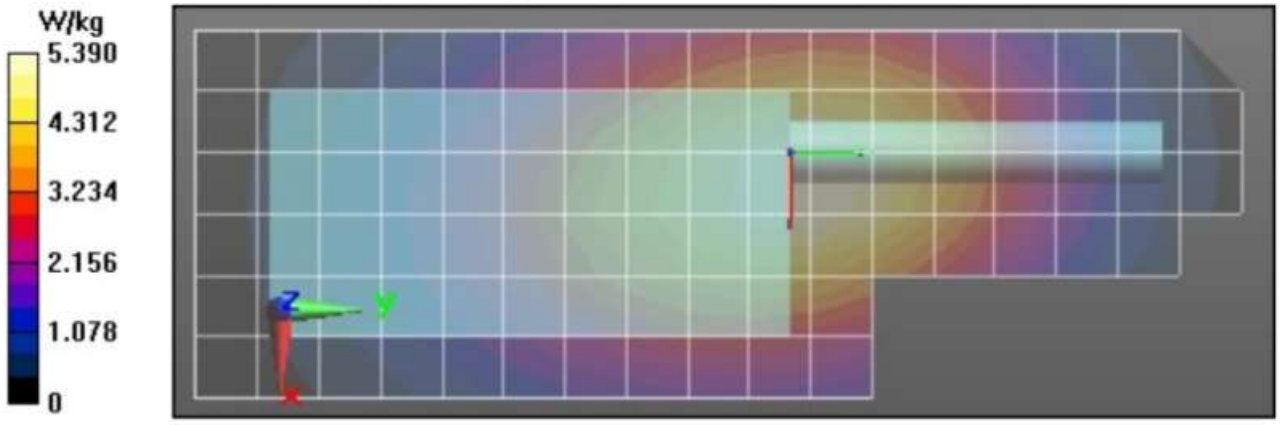
Comments:

Communication System Band: Timor UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 421 MHz; σ = 0.87 S/m; ε_r = 42.6; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 420.9 MHz, ConvF(11.65, 11.65, 11.65) @ 420.9 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 82.64 V/m; Power Drift = -0.38 dB
Fast SAR: SAR(1 g) = 4.51 W/kg; SAR(10 g) = 3.3 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.54 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 = 82.64 V/m; Power Drift = -0.47 dB
Peak SAR (extrapolated) = 6.08 W/kg
SAR(1 g) = 4.23 W/kg; SAR(10 g) = 3.1 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 = 69.7%
Maximum value of SAR (measured) = 5.38 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) = 5.30 W/kg



Assessment for ISED, Canada – Table 30

Body

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/2/2021 4:21:05 AM

Robot#: DASY5-PG-2 | Run#:	MFR-AB-211002-07
Model#:	AAH01QDC9JA2AN (PMUE4147C); (IC MODEL: PMUE4147CAANAA)
Phantom#:	ELI4 1108
Tissue Temp:	22.5 (C)
Serial#:	752TXT0618
Antenna:	PMAE4016A
Test Freq:	420.9000 (MHz)
Battery:	NNTN4970A
Carry Acc:	RLN4570A
Audio Acc:	PMNN4092A
Start Power:	4.80 (W)

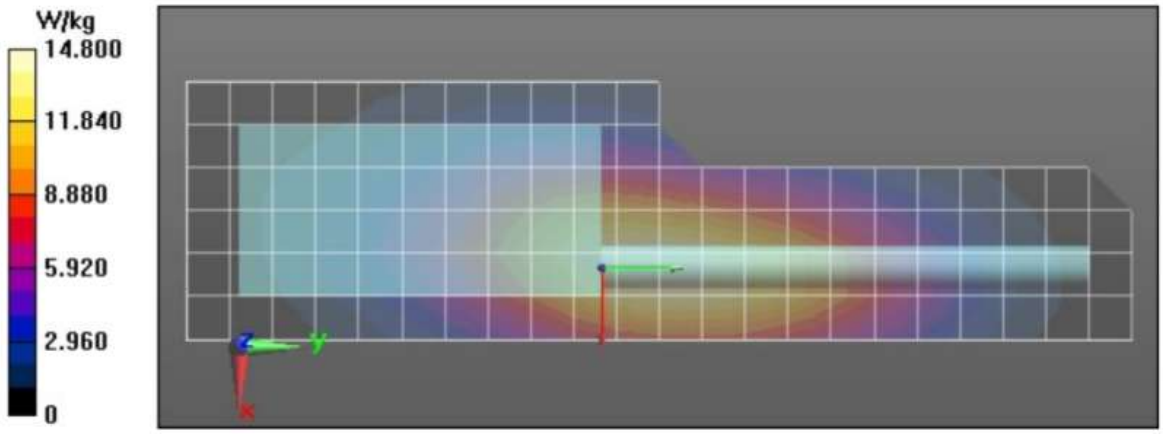
Comments:

Communication System Band: Timor Refresh UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 421 MHz; σ = 0.87 S/m; ε_r = 42.6; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 420.9 MHz, ConvF(11.65, 11.65, 11.65) @ 420.9 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 131.1 V/m; Power Drift = -0.40 dB
Fast SAR: SAR(1 g) = 12.4 W/kg; SAR(10 g) = 8.96 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 15.2 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 = 131.1 V/m; Power Drift = -0.49 dB
Peak SAR (extrapolated) = 16.5 W/kg
SAR(1 g) = 11.3 W/kg; SAR(10 g) = 8.03 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 = 68%
Maximum value of SAR (measured) = 14.6 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) = 14.5 W/kg



Assessment for ISED, Canada – Table 30
Face

Motorola Solutions, Inc. EME Laboratory
Date/Time: 10/3/2021 12:36:33 AM

Robot#: DASY5-PG-2 | Run#:	MFR-FACE-211003-01#
Model#:	AAH01QDC9JA2AN (PMUE4147C); (IC MODEL: PMUE4147CAANAA)
Phantom#:	ELI4 1108
Tissue Temp:	22.6(C)
Serial#:	752TXT0618
Antenna:	PMAE4016A
Test Freq:	420.9000 (MHz)
Battery:	NNTN4497D
Carry Acc:	@ front
Audio Acc:	N/A
Start Power:	4.80 (W)

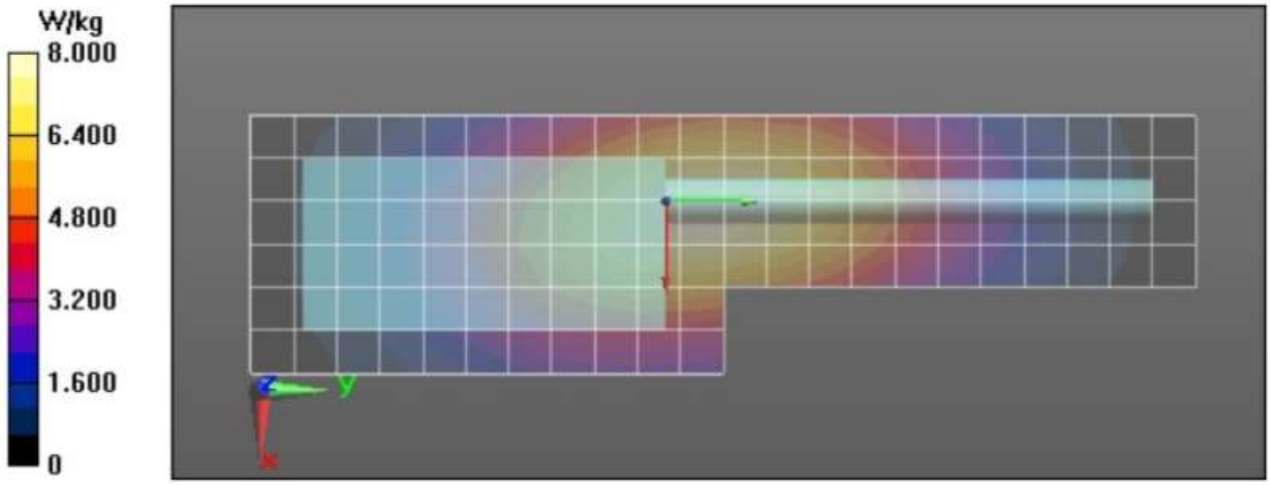
Comments:

Communication System Band: Timor UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 421 MHz; σ = 0.87 S/m; ε_r = 42.6; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 420.9 MHz, ConvF(11.65, 11.65, 11.65) @ 420.9 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 98.17 V/m; Power Drift = -0.33 dB
Fast SAR: SAR(1 g) = 6.6 W/kg; SAR(10 g) = 4.85 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 8.09 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 = 98.17 V/m; Power Drift = -0.41 dB
Peak SAR (extrapolated) = 8.82 W/kg
SAR(1 g) = 6.2 W/kg; SAR(10 g) = 4.6 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 = 70.4%
Maximum value of SAR (measured) = 7.84 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) = 7.77 W/kg



Assessment for outside FCC frequency range – Table 30

Body

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/3/2021 2:45:38 PM

Robot#: DASY5-PG-2 | Run#:	AF(SAN)-AB-211003-12
Model#:	AAH01QDC9JA2AN (PMUE4147C); (IC MODEL: PMUE4147CAANAA)
Phantom#:	ELI4 1108
Tissue Temp:	22.8 (C)
Serial#:	752TXT0618
Antenna:	PMAE4016A
Test Freq:	403.0000 (MHz)
Battery:	NNTN4970A
Carry Acc:	RLN4570A
Audio Acc:	PMNN4092A
Start Power:	4.80 (W)

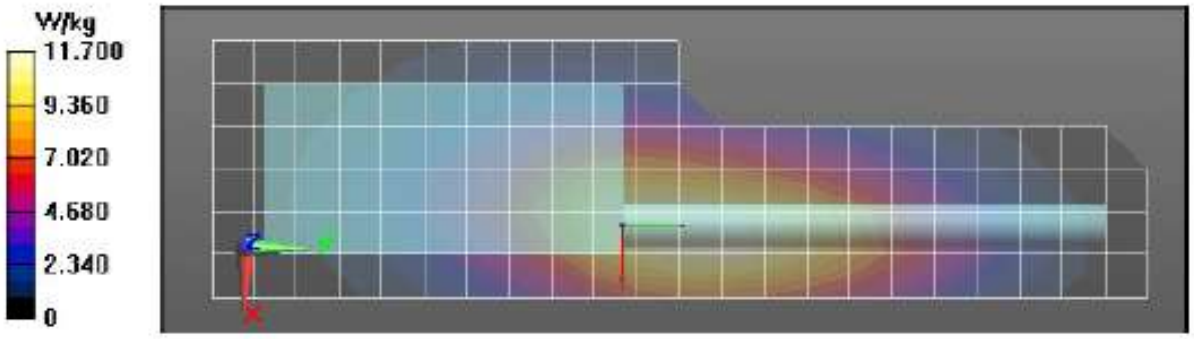
Comments:

Communication System Band: Tumor Refresh UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 403 MHz; σ = 0.83 S/m; ε_r = 42.7; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 403 MHz, ConvF(11.65, 11.65, 11.65) @ 403 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 118.4 V/m; Power Drift = -0.13 dB
Fast SAR: SAR(1 g) = 10.2 W/kg; SAR(10 g) = 7.39 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 12.2 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 = 118.4 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 13.9 W/kg
SAR(1 g) = 9.58 W/kg; SAR(10 g) = 6.8 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 = 67.2%
Maximum value of SAR (measured) = 12.1 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) = 12.1 W/kg



Assessment for outside FCC frequency range – Table 30

Face

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/3/2021 2:52:09 AM

Robot#: DASY5-PG-2 | Run#:	MFR-FACE-211003-04#
Model#:	AAH01QDC9JA2AN (PMUE4147C); (IC MODEL: PMUE4147CAANAA)
Phantom#:	ELI4 1108
Tissue Temp:	22.7(C)
Serial#:	752TXT0618
Antenna:	PMAE4002A
Test Freq:	403.0000 (MHz)
Battery:	NNTN4497D
Carry Acc:	@ front
Audio Acc:	N/A
Start Power:	4.80 (W)

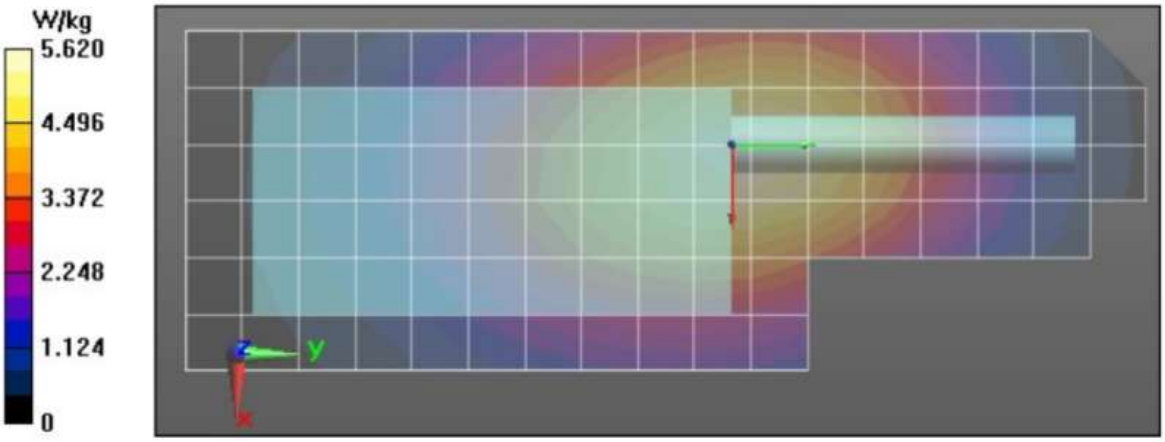
Comments:

Communication System Band: Timor UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 403 MHz; σ = 0.85 S/m; ε_r = 43; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 403 MHz, ConvF(11.65, 11.65, 11.65) @ 403 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 81.68 V/m; Power Drift = 0.08 dB
Fast SAR: SAR(1 g) = 4.66 W/kg; SAR(10 g) = 3.41 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.65 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 = 81.68 V/m; Power Drift = -0.34 dB
Peak SAR (extrapolated) = 6.25 W/kg
SAR(1 g) = 4.42 W/kg; SAR(10 g) = 3.26 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 = 70.5%
Maximum value of SAR (measured) = 5.52 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) = 4.93 W/kg



Appendix G
(Shortened Scan of Highest SAR configuration)

Table 31

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/12/2021 4:57:01 PM

Robot#: DASY5-PG-2 | Run#: MHI-AB-211112-09
Model#: AAH01QDC9JA2AN (PMUE4147C); (IC MODEL: PMUE4147CAANAA)
Phantom#: ELI4 1108
Tissue Temp: 21.8 (C)
Serial#: 752TXT0618
Antenna: PMAE4016A
Test Freq: 420.9000 (MHz)
Battery: NNTN4970A
Carry Acc: RLN4570A
Audio Acc: PMMN4092A
Start Power: 4.80 (W)

Comments:

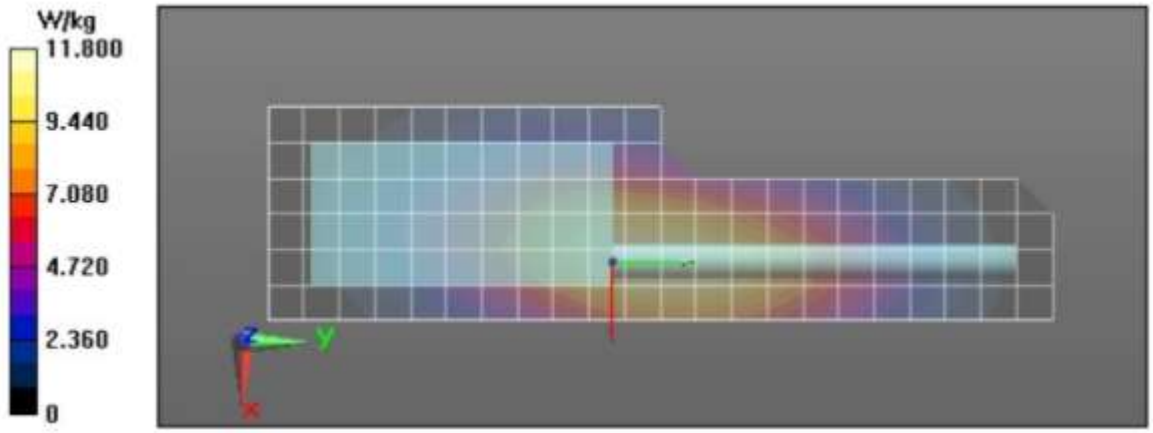
Communication System Band: Timor UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 421 MHz; σ = 0.86 S/m; ε_r = 44.7; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 420.9 MHz, ConvF(11.65, 11.65, 11.65) @ 420.9 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 118.4 V/m; Power Drift = -0.44 dB
Fast SAR: SAR(1 g) = 9.82 W/kg; SAR(10 g) = 7.13 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 11.9 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 = 118.4 V/m; Power Drift = -0.49 dB
Fast SAR: SAR(1 g) = 9.57 W/kg; SAR(10 g) = 6.99 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 11.5 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 = 120.6 V/m; Power Drift = -0.28 dB
Peak SAR (extrapolated) = 15.1 W/kg
SAR(1 g) = 10.4 W/kg; SAR(10 g) = 7.5 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 = 68.4%
Maximum value of SAR (measured) = 13.2 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) = 11.4 W/kg



Shortened scan reflects highest SAR producing configuration and is compared to the full scan.

Scan Description	Referenced Table	Test Time (min.)	SAR 1g (W/kg)
Shorten scan (zoom)	31	20	5.55
Full scan (area & zoom)	26	25	6.32

Appendix H
DUT Test Position Photos

Photos available in Exhibit 7B

Appendix I
DUT, Body worn and audio accessories Photos

Photos available in Exhibit 7B