MOTOROLA SOLUTIONS

MS ISO/IEC 17025 TESTING SAMM No. 0826

ACCREDITED CERTIFICATE 2518.05

DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 1 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: 10/27/2021
Report Revision: C

Responsible Engineer:	Ch'ng Jian Sheng (EME Engineer)
Report Author:	Ch'ng Jian Sheng (EME Engineer)
Date/s Tested:	10/11/2021 - 10/13/2021, 10/22/2021, 10/27/2021
Manufacturer:	Motorola Solutions Inc.
DUT Description:	Handheld Portable – XPR 7350e 403-512 4W NKP GNSS TIA4950 XPR 7550e 403-512 4W FKP GNSS TIA4950
Test TX mode(s):	CW (PTT)
Max. Power output:	Refer Table 3
Nominal Power:	Refer Table 3
Tx Frequency Bands:	LMR 403-512MHz
Signaling type:	FM (LMR)
Model(s) Tested:	AAH56RDC9WA1AN-1 (PMUE5844A) / PMUE5844AAANWA, AAH56RDN9WA1AN-1 (PMUE5843A) / PMUE5843AACNWA
Model(s) Certified:	AAH56RDC9WA1AN-1 (PMUE5844A) / PMUE5844AAANWA AAH56RDN9WA1AN-1 (PMUE5843A) / PMUE5843AACNWA AAH56RDC9WA1AN-1 (PMUE5842A) / PMUE5842AAANWA AAH56RDN9WA1AN-1 (PMUE5841A) / PMUE5841AACNWA
Serial Number(s):	871TXTF300, 807TXTP768
Classification:	Occupational/Controlled
Applicant Name:	Motorola Solutions Inc.
Applicant Address:	8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322
FCC ID:	AZ489FT4970; LMR 406.125-512 MHz This report contains results that are immaterial for FCC equipment approval, which are clearly identified.
IC:	109U-89FT4970; LMR 406.125-430MHz, 450-470MHz 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: 10/28/2021

Appendix D
System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/11/2021 9:22:02 PM

Robot#: DASY5-PG-1 | Run#:	BL-SYSP-450H-211011-17
Dipole Model#	D450V2
Phantom#:	ELI4 1108
Tissue Temp:	22.1 (C)
Serial#:	1077
Test Freq:	450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.074 dB
Adjusted SAR (1W):	4.72 mW/g (1g)

Comments:

Communication System Band: D450, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 450 MHz; σ = 0.87 S/m; ε_r = 42; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 450 MHz, ConvF(11.24, 11.24, 11.24) @ 450 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x201x1):

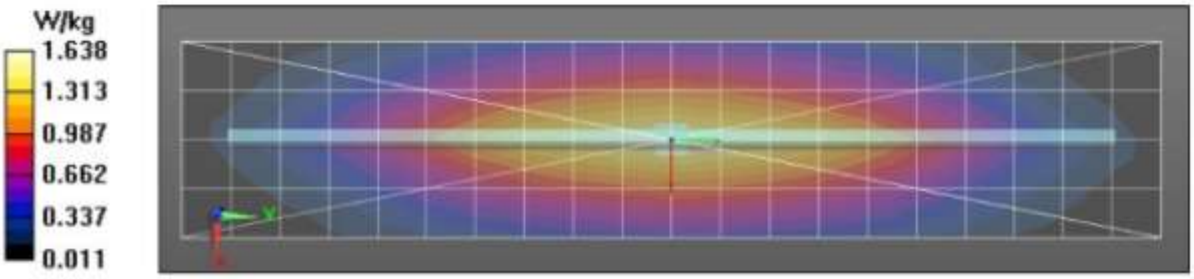
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 44.15 V/m; Power Drift = 0.04 dB
Fast SAR: SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.891 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.64 W/kg

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 44.15 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.90 W/kg
SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.778 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 19.5 mm
Ratio of SAR at M2 to SAR at M1 = 62.4%
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) = 1.64 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/12/2021 9:57:32 PM

Robot#: DASY5-PG-1 | Run#:	BL-SYSP-450H-211012-24
Dipole Model#	D450V2
Phantom#:	ELI4 1108
Tissue Temp:	21.1 (C)
Serial#:	1077
Test Freq:	450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.057 dB
Adjusted SAR (1W):	4.80 mW/g (1g)

Comments:

Communication System Band: D450, 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 - SN7486, Calibrated: 6/18/2021, Frequency: 450 MHz, ConvF(11.24, 11.24, 11.24) @ 450 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x201x1):

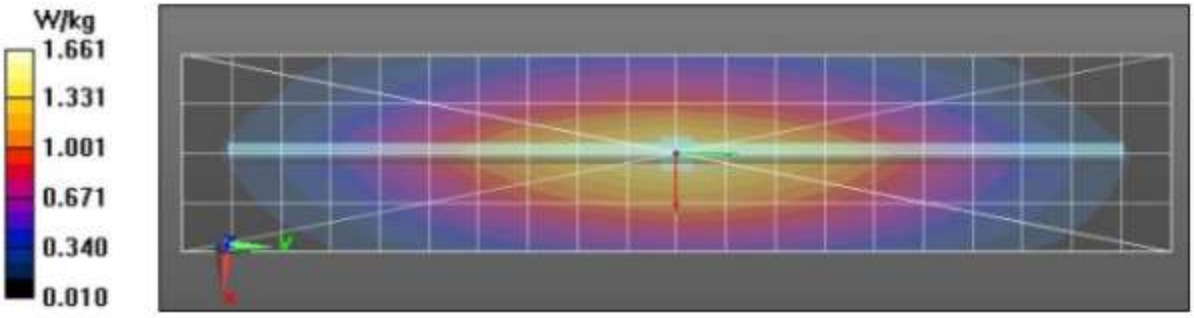
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 44.62 V/m; Power Drift = -0.00 dB
Fast SAR: SAR(1 g) = 1.32 W/kg; SAR(10 g) = 0.905 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.67 W/kg

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 = 44.62 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 1.93 W/kg
SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.796 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 19.5 mm
Ratio of SAR at M2 to SAR at M1 = 62.7%
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) = 1.67 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/22/2021 3:37:20 PM

Robot#: DASY5-PG-1 | Run#:	MHI-SYSP-450H-211022-11
Dipole Model#	D450V3
Phantom#:	ELI4 1103
Tissue Temp:	21.0 (C)
Serial#:	1077
Test Freq:	450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.058 dB
Adjusted SAR (1W):	4.80 mW/g (1g)

Comments:

Communication System Band: D450, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: f = 450 MHz; σ = 0.86 S/m; ε_r = 42.2; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 450 MHz, ConvF(11.24, 11.24, 11.24) @ 450 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

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

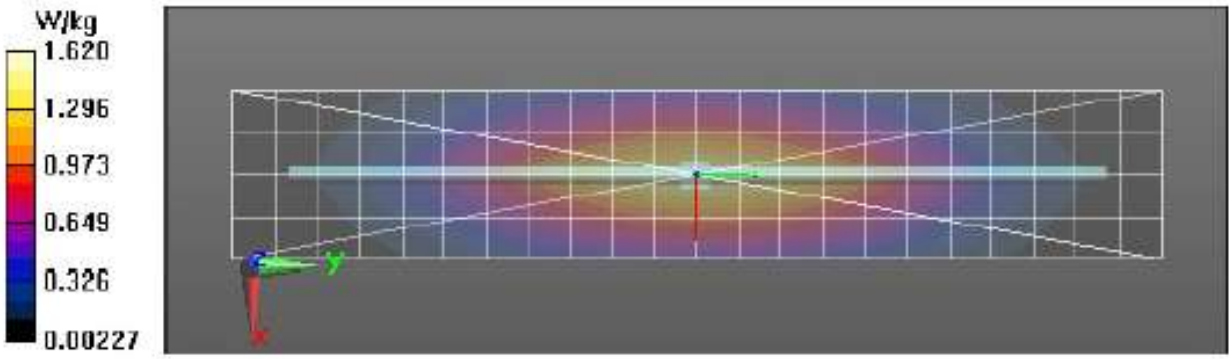
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 45.00 V/m; Power Drift = -0.07 dB
Fast SAR: SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.890 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.62 W/kg

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 = 45.00 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.87 W/kg
SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.805 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 = 64%
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) = 1.63 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/27/2021 1:44:09 AM

Robot#: DASY5-PG-1 | Run#:	FZ-SYSP-450H-211027-02
Dipole Model#	D450V2
Phantom#:	ELI4 1108
Tissue Temp:	22.1 (C)
Serial#:	1077
Test Freq:	450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.055 dB
Adjusted SAR (1W):	4.88 mW/g (1g)

Comments:

Communication System Band: D450, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: f = 450 MHz; σ = 0.85 S/m; ε_r = 44.2; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 450 MHz, ConvF(11.24, 11.24, 11.24) @ 450 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x201x1):

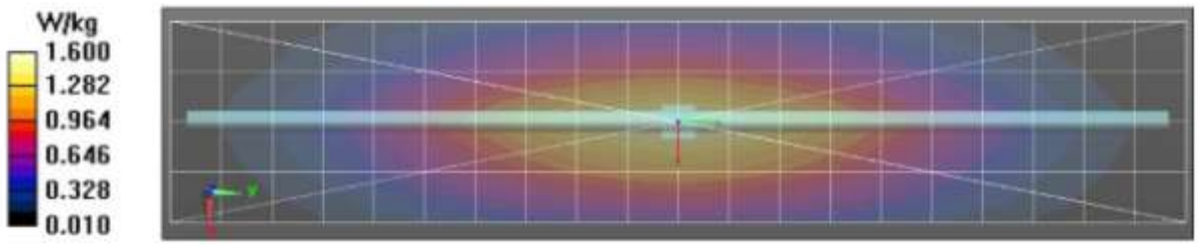
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 44.69 V/m; Power Drift = -0.04 dB
Fast SAR: SAR(1 g) = 1.31 W/kg; SAR(10 g) = 0.901 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.62 W/kg

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 = 44.69 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.86 W/kg
SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.811 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 19.5 mm
Ratio of SAR at M2 to SAR at M1 = 64.2%
Maximum value of SAR (measured) = 1.62 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



Appendix E
DUT Scans

Spot check at the Body Configuration – Table 18

Motorola Solutions, Inc. EME Laboratory
Date/Time: 10/27/2021 5:32:54 AM

Robot#: DASY5-PG-1 | Run#: FZ-AB-211027-06
Model#: PMUE5844A
Phantom#: ELI4 1108
Tissue Temp: 21.6 (C)
Serial#: 807TXTP768 (Non-GOB)
Antenna: PMAE4071A
Test Freq: 470.0000 (MHz)
Battery: PMNN4407BR
Carry Acc: RLN4570A
Audio Acc: PMLN6765A w/ PMLN6767A & PMLN6833A
Start Power: 4.74 (W)

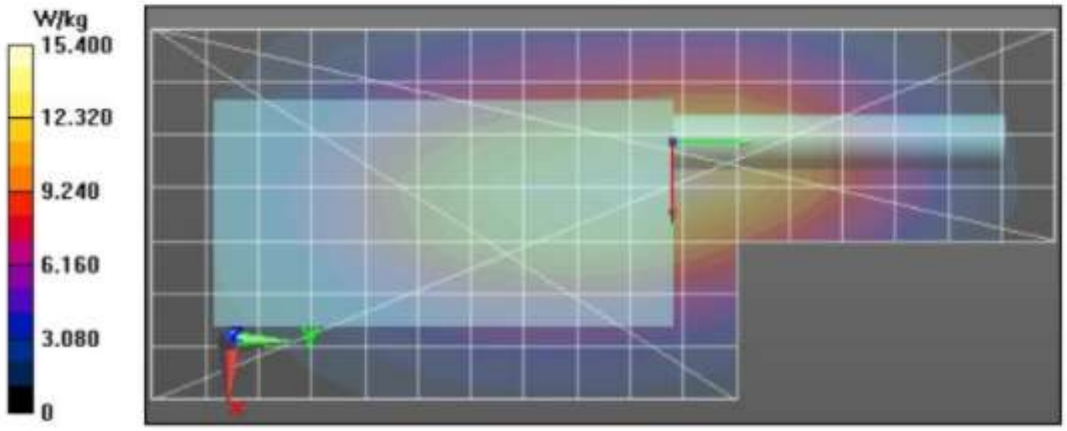
Comments:

Communication System Band: Belize Refresh UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 470 MHz; σ = 0.87 S/m; ε_r = 43.8; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 470 MHz, ConvF(11.24, 11.24, 11.24) @ 470 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 131.5 V/m; Power Drift = -0.48 dB
Fast SAR: SAR(1 g) = 12.6 W/kg; SAR(10 g) = 9.11 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 15.5 W/kg

Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 131.5 V/m; Power Drift = -0.64 dB
Peak SAR (extrapolated) = 16.7 W/kg
SAR(1 g) = 11.6 W/kg; SAR(10 g) = 8.42 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 69.3%
Maximum value of SAR (measured) = 14.8 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) = 14.6 W/kg



Spot check at the Face Configuration – Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 10/12/2021 11:37:56 AM

Robot#: DASY5-PG-1 | Run#: FZ-FACE-211012-17#
Model#: PMUE5843A
Phantom#: ELI4 1108
Tissue Temp: 21.2 (C)
Serial#: 871TXTF300 (Non-GOB)
Antenna: PMAE4071A
Test Freq: 470.0000(MHz)
Battery: PMNN4448B
Carry Acc: @ front
Audio Acc: N/A
Start Power: 4.73 (W)

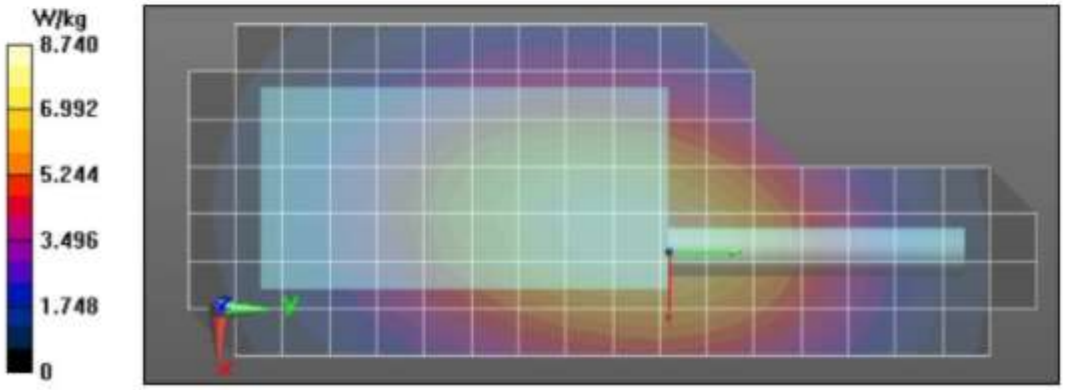
Comments:

Communication System Band: Belize, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 470 MHz; σ = 0.88 S/m; ε_r = 41.5; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 470 MHz, ConvF(11.24, 11.24, 11.24) @ 470 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 105.0 V/m; Power Drift = -0.46 dB
Fast SAR: SAR(1 g) = 7.24 W/kg; SAR(10 g) = 5.29 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 8.90 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 = 105.0 V/m; Power Drift = -0.54 dB
Peak SAR (extrapolated) = 9.56 W/kg
SAR(1 g) = 6.74 W/kg; SAR(10 g) = 4.97 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 = 70.6%
Maximum value of SAR (measured) = 8.52 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) = 8.31 W/kg



Spot check for each Antenna – Table 20

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/12/2021 1:38:11 AM

Robot#: DASY5-PG-1 | Run#:	BL-AB-211012-03#
Model#:	PMUE5844A
Phantom#:	ELI4 1108
Tissue Temp:	21.8 (C)
Serial#:	807TXTP768 (Non-GOB)
Antenna:	PMAE4069A
Test Freq:	435.4000(MHz)
Battery:	PMNN4407BR
Carry Acc:	RLN4570A
Audio Acc:	PMMN4024A
Start Power:	4.76 (W)

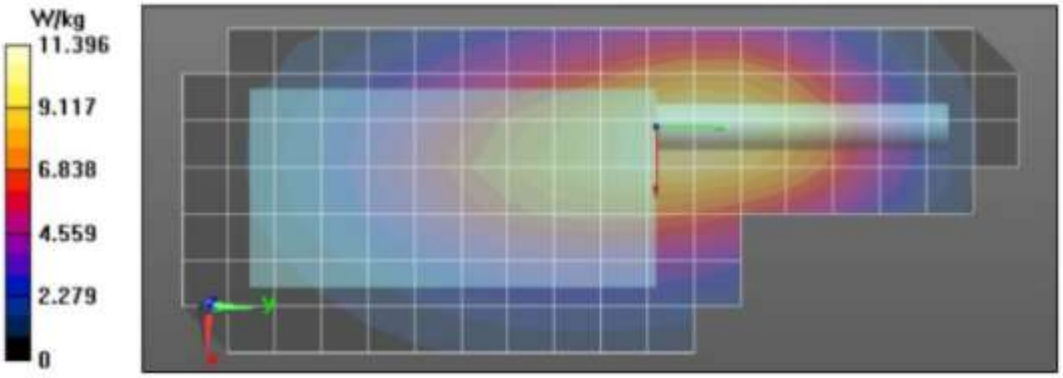
Comments:

Communication System Band: Belize, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 435 MHz; σ = 0.85 S/m; ε_r = 42.3; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 435.4 MHz, ConvF(11.24, 11.24, 11.24) @ 435.4 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 118.8 V/m; Power Drift = -0.62 dB
Fast SAR: SAR(1 g) = 9.46 W/kg; SAR(10 g) = 6.81 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 11.6 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 = 118.8 V/m; Power Drift = -0.68 dB
Peak SAR (extrapolated) = 12.9 W/kg
SAR(1 g) = 8.76 W/kg; SAR(10 g) = 6.23 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) = 11.3 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) = 11.1 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/13/2021 6:20:10 PM

Robot#: DASY5-PG-1 | Run#:	FZ-AB-211013-13#
Model#:	PMUE5843A
Phantom#:	ELI4 1108
Tissue Temp:	21.7 (C)
Serial#:	871TXTF300 (Non-GOB)
Antenna:	PMAE4070A
Test Freq:	457.9000(MHz)
Battery:	PMNN4407BR
Carry Acc:	RLN4570A
Audio Acc:	PMMN4024A
Start Power:	4.71 (W)

Comments:

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

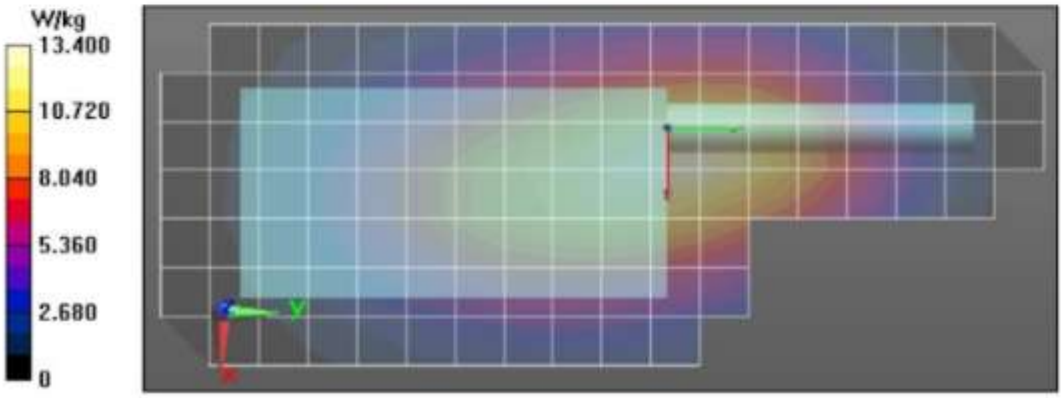
Medium parameters used: f = 458 MHz; σ = 0.88 S/m; ε_r = 42.1; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 458 MHz, ConvF(11.24, 11.24, 11.24) @ 458 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 119.7 V/m; Power Drift = -0.66 dB
Fast SAR: SAR(1 g) = 10.9 W/kg; SAR(10 g) = 7.91 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 13.5 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 = 119.7 V/m; Power Drift = -0.77 dB
Peak SAR (extrapolated) = 14.5 W/kg
SAR(1 g) = 9.9 W/kg; SAR(10 g) = 7.1 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 = 68.4%
Maximum value of SAR (measured) = 12.7 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) = 12.6 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/27/2021 5:32:54 AM

Robot#: DASY5-PG-1 | Run#: FZ-AB-211027-06

Model#:	PMUE5844A
Phantom#:	ELI4 1108
Tissue Temp:	21.6 (C)
Serial#:	807TXTP768 (Non-GOB)
Antenna:	PMAE4071A
Test Freq:	470.0000 (MHz)
Battery:	PMNN4407BR
Carry Acc:	RLN4570A
Audio Acc:	PMLN6765A w/ PMLN6767A & PMLN6833A
Start Power:	4.74 (W)

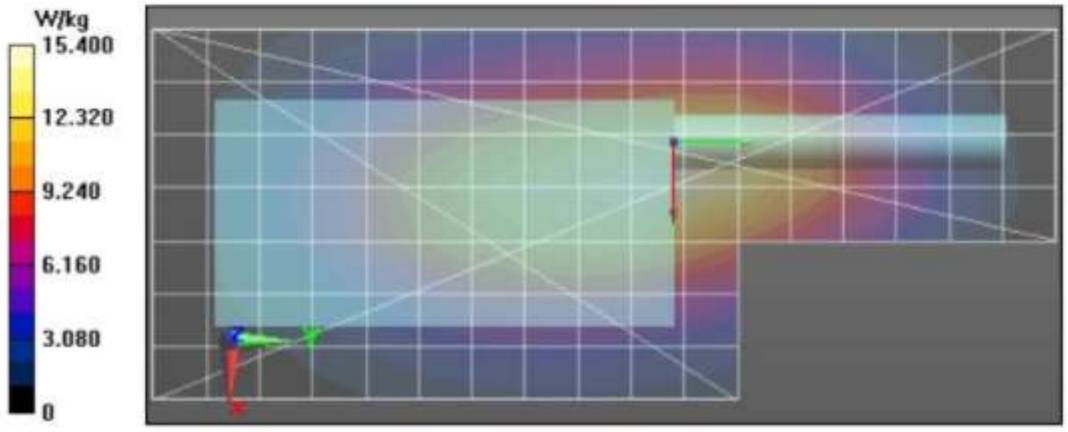
Comments:

Communication System Band: Belize Refresh UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 470 MHz; σ = 0.87 S/m; ε_r = 43.8; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 470 MHz, ConvF(11.24, 11.24, 11.24) @ 470 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 131.5 V/m; Power Drift = -0.48 dB
Fast SAR: SAR(1 g) = 12.6 W/kg; SAR(10 g) = 9.11 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 15.5 W/kg

Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 131.5 V/m; Power Drift = -0.64 dB
Peak SAR (extrapolated) = 16.7 W/kg
SAR(1 g) = 11.6 W/kg; SAR(10 g) = 8.42 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 69.3%
Maximum value of SAR (measured) = 14.8 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) = 14.6 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/12/2021 11:45:00 PM

Robot#: DASY5-PG-1 | Run#: BL-AB-211012-26
Model#: PMUE5843A
Phantom#: ELI4 1108
Tissue Temp: 21.1 (C)
Serial#: 871TXTF300 (Non-GOB)
Antenna: PMAE4079A
Test Freq: 441.4000(MHz)
Battery: PMNN4407BR
Carry Acc: RLN4570A
Audio Acc: PMMN4024A
Start Power: 4.76 (W)

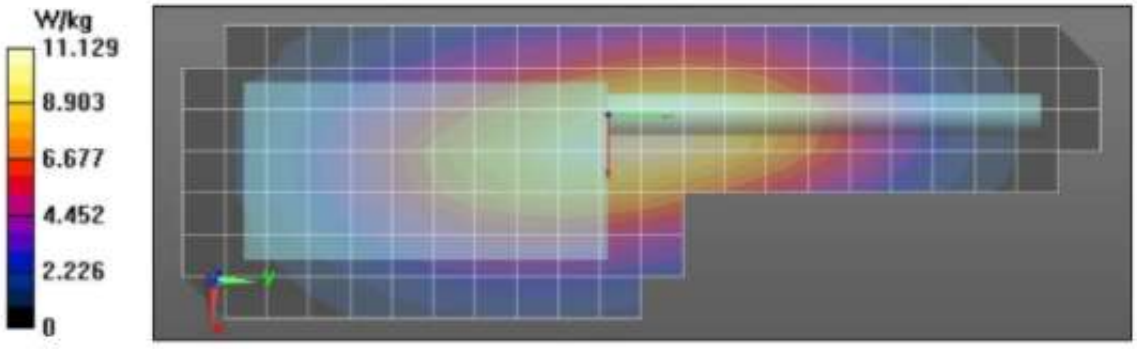
Comments:

Communication System Band: Belize, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 441 MHz; σ = 0.86 S/m; ε_r = 42.4; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 441.4 MHz, ConvF(11.24, 11.24, 11.24) @ 441.4 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 114.4 V/m; Power Drift = -0.53 dB
Fast SAR: SAR(1 g) = 9.42 W/kg; SAR(10 g) = 6.83 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 11.6 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 = 114.4 V/m; Power Drift = -0.60 dB
Peak SAR (extrapolated) = 12.7 W/kg
SAR(1 g) = 8.69 W/kg; SAR(10 g) = 6.2 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 = 68.1%
Maximum value of SAR (measured) = 11.2 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) = 11.1 W/kg



Assessment for ISED, Canada – Table 21

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/12/2021 2:47:26 AM

Robot#: DASY5-PG-1 | Run#:	BL-AB-211012-05#
Model#:	PMUE5844A
Phantom#:	ELI4 1108
Tissue Temp:	21.8 (C)
Serial#:	807TXTP768 (Non-GOB)
Antenna:	PMAE4069A
Test Freq:	406.1250(MHz)
Battery:	PMNN4491C
Carry Acc:	RLN4570A
Audio Acc:	PMMN4024A
Start Power:	4.80 (W)

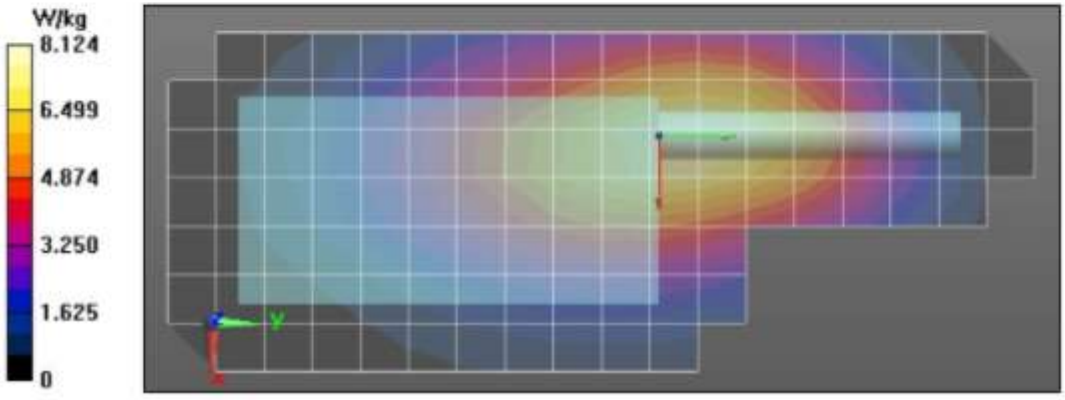
Comments:

Communication System Band: Belize, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 406 MHz; σ = 0.83 S/m; ε_r = 42.9; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 406.125 MHz, ConvF(11.24, 11.24, 11.24) @ 406.125 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 98.60 V/m; Power Drift = -0.25 dB
Fast SAR: SAR(1 g) = 6.86 W/kg; SAR(10 g) = 4.95 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 8.21 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 = 98.60 V/m; Power Drift = -0.23 dB
Peak SAR (extrapolated) = 9.15 W/kg
SAR(1 g) = 6.45 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 = 68.4%
Maximum value of SAR (measured) = 8.06 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) = 8.03 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/12/2021 3:18:31 AM

Robot#: DASY5-PG-1 | Run#:	BL-AB-211012-06#
Model#:	PMUE5844A
Phantom#:	ELI4 1108
Tissue Temp:	21.6 (C)
Serial#:	807TXTP768 (Non-GOB)
Antenna:	PMAE4069A
Test Freq:	450.0000(MHz)
Battery:	PMNN4491C
Carry Acc:	RLN4570A
Audio Acc:	PMMN4024A
Start Power:	4.80 (W)

Comments:

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

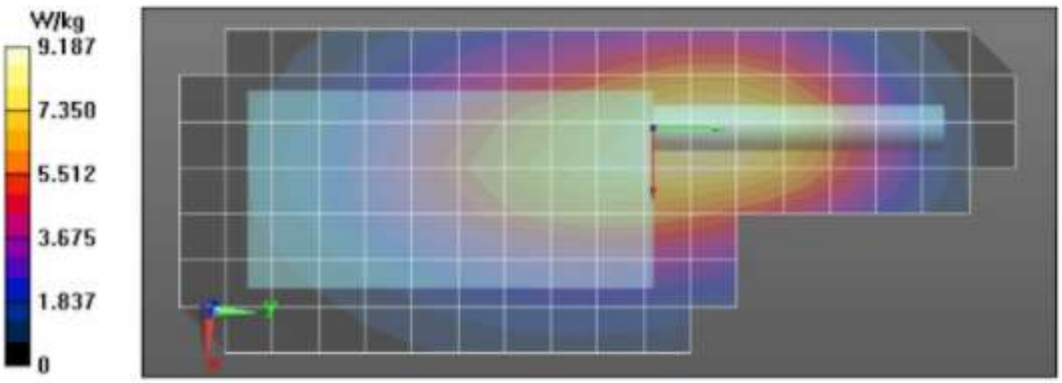
Medium parameters used: f = 450 MHz; σ = 0.87 S/m; ε_r = 42; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 450 MHz, ConvF(11.24, 11.24, 11.24) @ 450 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 102.3 V/m; Power Drift = -0.34 dB
Fast SAR: SAR(1 g) = 7.61 W/kg; SAR(10 g) = 5.48 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 9.42 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 = 102.3 V/m; Power Drift = -0.40 dB
Peak SAR (extrapolated) = 10.4 W/kg
SAR(1 g) = 7.06 W/kg; SAR(10 g) = 5.01 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 = 67.6%
Maximum value of SAR (measured) = 9.18 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) = 9.02 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/13/2021 6:20:10 PM

Robot#: DASY5-PG-1 | Run#:	FZ-AB-211013-13#
Model#:	PMUE5843A
Phantom#:	ELI4 1108
Tissue Temp:	21.7 (C)
Serial#:	871TXTF300 (Non-GOB)
Antenna:	PMAE4070A
Test Freq:	457.9000(MHz)
Battery:	PMNN4407BR
Carry Acc:	RLN4570A
Audio Acc:	PMMN4024A
Start Power:	4.71 (W)

Comments:

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

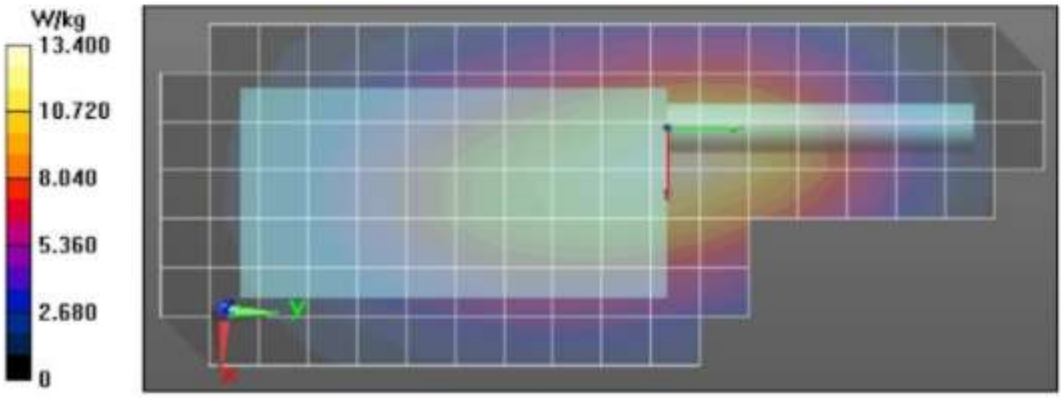
Medium parameters used: f = 458 MHz; σ = 0.88 S/m; ε_r = 42.1; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 458 MHz, ConvF(11.24, 11.24, 11.24) @ 458 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 119.7 V/m; Power Drift = -0.66 dB
Fast SAR: SAR(1 g) = 10.9 W/kg; SAR(10 g) = 7.91 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 13.5 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 = 119.7 V/m; Power Drift = -0.77 dB
Peak SAR (extrapolated) = 14.5 W/kg
SAR(1 g) = 9.9 W/kg; SAR(10 g) = 7.1 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 = 68.4%
Maximum value of SAR (measured) = 12.7 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) = 12.6 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/27/2021 5:32:54 AM

Robot#: DASY5-PG-1 | Run#:	FZ-AB-211027-06
Model#:	PMUE5844A
Phantom#:	ELI4 1108
Tissue Temp:	21.6 (C)
Serial#:	807TXTP768 (Non-GOB)
Antenna:	PMAE4071A
Test Freq:	470.0000 (MHz)
Battery:	PMNN4407BR
Carry Acc:	RLN4570A
Audio Acc:	PMLN6765A w/ PMLN6767A & PMLN6833A
Start Power:	4.74 (W)

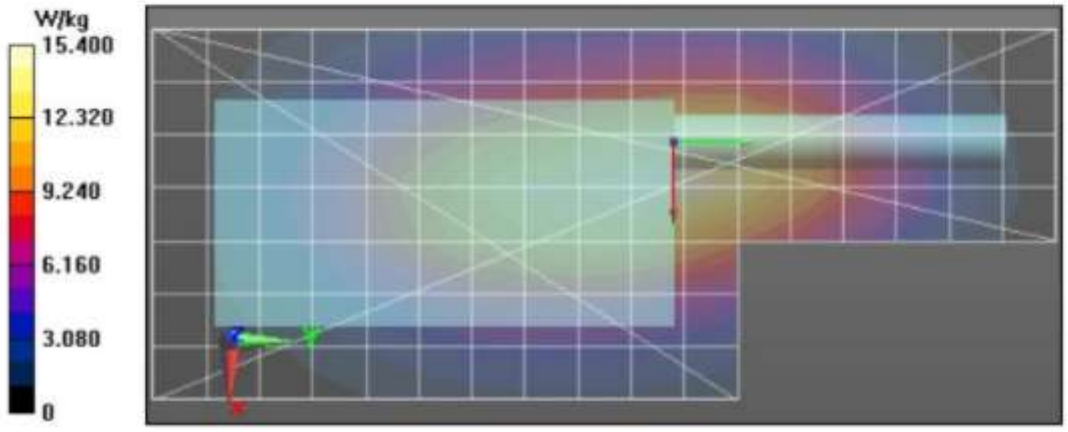
Comments:

Communication System Band: Belize Refresh UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 470 MHz; σ = 0.87 S/m; ε_r = 43.8; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 470 MHz, ConvF(11.24, 11.24, 11.24) @ 470 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 131.5 V/m; Power Drift = -0.48 dB
Fast SAR: SAR(1 g) = 12.6 W/kg; SAR(10 g) = 9.11 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 15.5 W/kg

Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 131.5 V/m; Power Drift = -0.64 dB
Peak SAR (extrapolated) = 16.7 W/kg
SAR(1 g) = 11.6 W/kg; SAR(10 g) = 8.42 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 69.3%
Maximum value of SAR (measured) = 14.8 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) = 14.6 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/12/2021 5:09:11 AM

Robot#: DASY5-PG-1 | Run#:	BL-AB-211012-09#
Model#:	PMUE5844A
Phantom#:	ELI4 1108
Tissue Temp:	21.6 (C)
Serial#:	807TXTP768 (Non-GOB)
Antenna:	PMAE4079A
Test Freq:	457.9000(MHz)
Battery:	PMNN4491C
Carry Acc:	HLN6602A
Audio Acc:	PMMN4024A
Start Power:	4.80 (W)

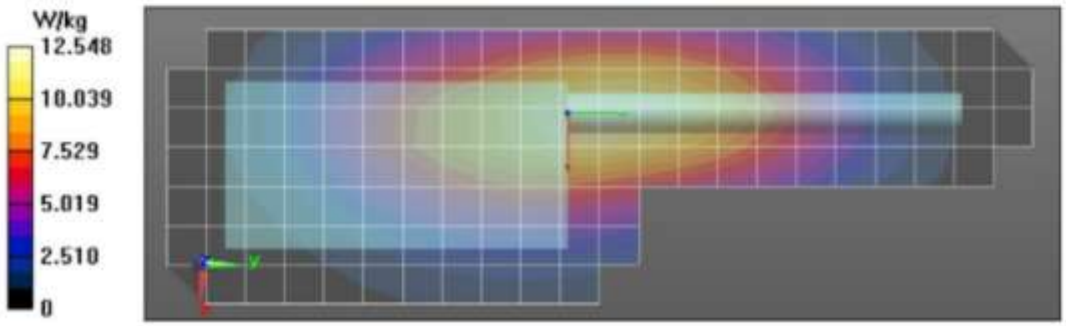
Comments:

Communication System Band: Belize, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 458 MHz; σ = 0.87 S/m; ε_r = 41.8; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 457.9 MHz, ConvF(11.24, 11.24, 11.24) @ 457.9 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 121.2 V/m; Power Drift = -0.38 dB
Fast SAR: SAR(1 g) = 10.2 W/kg; SAR(10 g) = 7.36 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 12.7 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 = 121.2 V/m; Power Drift = -0.45 dB
Peak SAR (extrapolated) = 13.8 W/kg
SAR(1 g) = 9.42 W/kg; SAR(10 g) = 6.72 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 = 68.1%
Maximum value of SAR (measured) = 12.2 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) = 12.0 W/kg



APPENDIX F
Shortened Scan of Highest SAR configuration

Shortened Scan - Table 22

Motorola Solutions, Inc. EME Laboratory
Date/Time: 10/27/2021 5:18:47 PM

Robot#: DASY5-PG-1 | Run#: BL-AB-211027-13
Model#: PMUE5844A
Phantom#: ELI4 1108
Tissue Temp: 21.6 (C)
Serial#: 807TXTP768 (Non-GOB)
Antenna: PMAE4071A
Test Freq: 470.0000 (MHz)
Battery: PMNN4407BR
Carry Acc: RLN4570A
Audio Acc: PMLN6765A w/ PMLN6767A & PMLN6833A
Start Power: 4.67 (W)

Comments: Shorten Scan

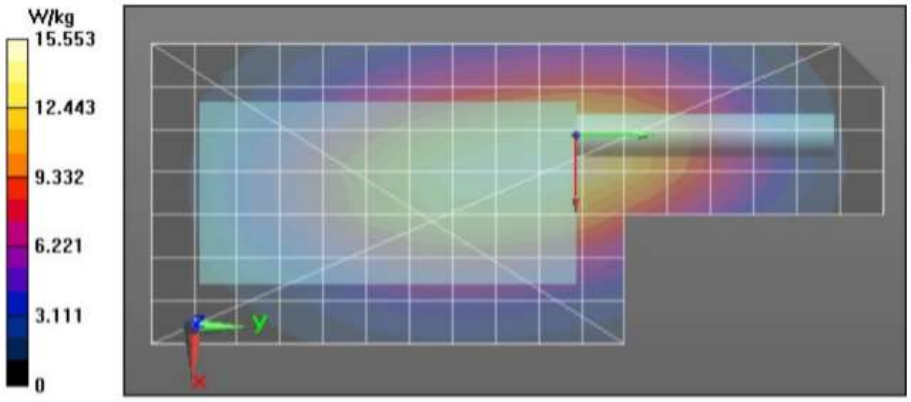
Communication System Band: Belize Refresh UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 470 MHz; σ = 0.87 S/m; ε_r = 43.8; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 470 MHz, ConvF(11.24, 11.24, 11.24) @ 470 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 134.8 V/m; Power Drift = -0.55 dB
Fast SAR: SAR(1 g) = 12.7 W/kg; SAR(10 g) = 9.17 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 15.6 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 = 134.8 V/m; Power Drift = -0.60 dB
Fast SAR: SAR(1 g) = 12.3 W/kg; SAR(10 g) = 9.03 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 15.0 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 = 143.0 V/m; Power Drift = -0.30 dB
Peak SAR (extrapolated) = 18.2 W/kg
SAR(1 g) = 12.8 W/kg; SAR(10 g) = 9.34 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) = 16.2 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) = 14.7 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)	22	8	7.05
Full scan (area & zoom)	18	22	6.81

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