MOTOROLA SOLUTIONS

MS ISO/IEC 17025 TESTING SAMM No. 0826

ACCREDITED CERTIFICATE 2518.05

DECLARATION OF COMPLIANCE SAR ASSESSMENT for PCII Report 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: 05/30/2022
Report Revision: C

Responsible Engineer:	Sin King Lee (EME Engineer)
Report Author:	Kin Kting Lee (EME Technician)
Date/s Tested:	03/29/2022-04/02/2022, 04/05/2022
Manufacturer:	Motorola Solutions Inc.
DUT Description:	Handheld Portable – XPR 3300e 403-527 4W NKP CFS WiFi TIA4950
Test TX mode(s):	CW (PTT), Bluetooth / Bluetooth LE, WLAN 802.11 b/g/n
Max. Power output:	Refer table 3
Tx Frequency Bands:	LMR 403-527 MHz; Bluetooth / Bluetooth LE 2.402-2.480 GHz; WLAN 802.11 b/g/n 2.412-2.462 GHz
Signaling type:	FM (LMR), FHSS (Bluetooth / Bluetooth LE), 802.11 b/g/n (WLAN)
Model(s) Tested:	AAH02RDC9VA1AN (PMUE5778B); IC Model: PMUE5778AAANKA
Model(s) Certified:	AAH02RDC9VA1AN (PMUE5778B); IC Model: PMUE5778AAANKA AAH02RDH9VA1AN (PMUE5777B); IC Model: PMUE5777AABNKA AAH02RDC9VA1AN (PMUE3838E); IC Model: PMUE3838CAANKA AAH02RDH9VA1AN (PMUE3836E); IC Model: PMUE3836CABNKA AAH02RDH9VA1AN-AMA2 (PMUE3836E); IC Model: PMUE3836DABNKB AAH02RDH9VA7AN-AMA (PMUE3836C); IC Model: PMUE3836CABNNA
Serial Number(s):	446TYF7172, 446TYF7176
Classification:	Occupational/Controlled
Applicant Name:	Motorola Solutions Inc.
Applicant Address:	8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322
FCC ID:	AZ489FT7125; LMR 406.125-512 MHz, Bluetooth / Bluetooth LE 2.402-2.480 GHz, WLAN 802.11 b/g/n 2.412-2.462 GHz This report contains results that are immaterial for FCC equipment approval, which are clearly identified.
IC:	109U-89FT7125 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: 05/30/2022

Appendix D
System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/28/2022 6:56:20 PM

Robot#: DASY5-PG-1 | Run#:	MHI-SYSP-450B-220328-05
Dipole Model#	D450V3
Phantom#:	ELI4 1022
Tissue Temp:	21.9 (C)
Serial#:	1077
Test Freq:	450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.140 dB
Adjusted SAR (1W):	4.44 mW/g (1g)

Comments:

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

Medium parameters used: f = 450 MHz; σ = 0.93 S/m; ε_r = 55.7; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 450 MHz, ConvF(11.4, 11.4, 11.4) @ 450 MHz
Electronics: DAE4 Sn1483, Calibrated: 8/4/2021

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

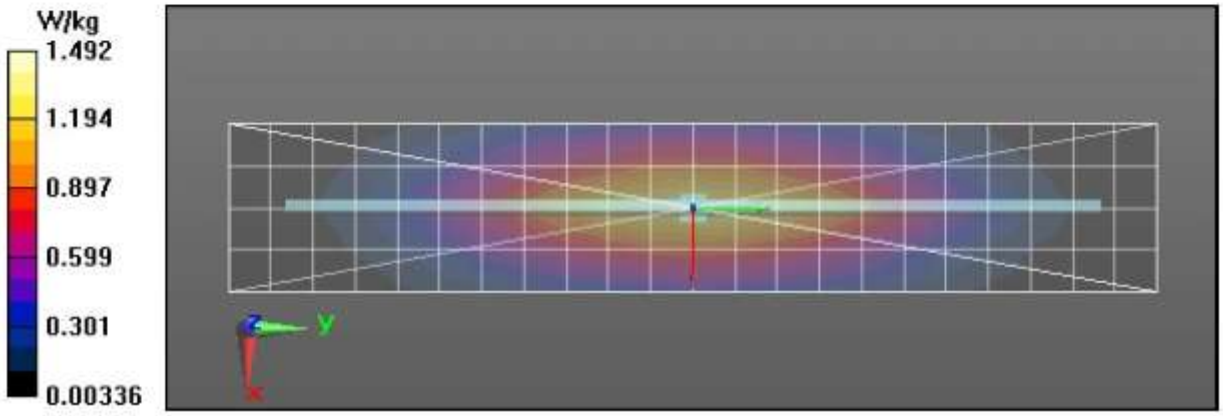
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 40.40 V/m; Power Drift = -0.04 dB
Fast SAR: SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.814 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.49 W/kg

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 = 40.40 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.757 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 66.5%
Maximum value of SAR (measured) = 1.46 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) = 1.47 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/30/2022 3:13:31 AM

Robot#: DASY5-PG-1 | Run#:	FZ-SYSP-450H-220330-04
Dipole Model#	D450V3
Phantom#:	ELI4 1022
Tissue Temp:	21.6 (C)
Serial#:	1077
Test Freq:	450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.084dB
Adjusted SAR (1W):	4.64mW/g (1g)

Comments:

Communication System Band: D450, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 450 MHz; σ = 0.88 S/m; ε_r = 42.9; 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):

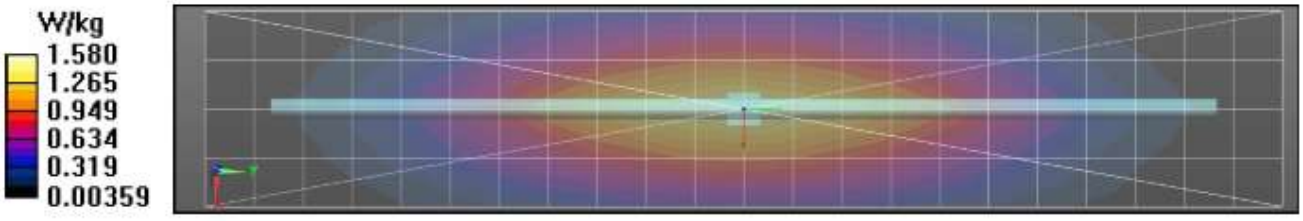
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 42.92 V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.859 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.58 W/kg

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 = 42.92 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.77 W/kg
SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.781 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) = 1.55 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) = 1.56 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/5/2022 3:14:51 PM

Robot#: DASY5-PG-1 | Run#:	FZ-SYSP-450B-220405-01
Dipole Model#	D450V3
Phantom#:	ELI4 1022
Tissue Temp:	20.6 (C)
Serial#:	1077
Test Freq:	450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.084dB
Adjusted SAR (1W):	4.76mW/g (1g)

Comments:

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

Medium parameters used: f = 450 MHz; σ = 0.94 S/m; ε_r = 57.7; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 450 MHz, ConvF(11.4, 11.4, 11.4) @ 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 = 41.33 V/m; Power Drift = 0.07 dB

Fast SAR: SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.858 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 = 41.33 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.807 W/kg (SAR corrected for target medium)

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

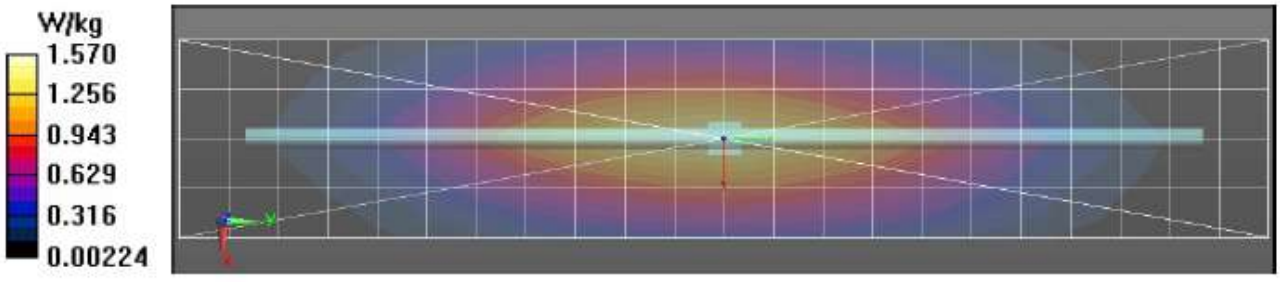
Ratio of SAR at M2 to SAR at M1 = 65.1%

Maximum value of SAR (measured) = 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) = 1.60 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/2/2022 3:26:36 PM

Robot#: DASY5-PG-1 | Run#:	BL-SYSP-2450B-220402-05
Dipole Model#	D2450V2
Phantom#:	ELI4 1028
Tissue Temp:	19.4 (C)
Serial#:	782
Test Freq:	2450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.12 dB
Adjusted SAR (1W):	52.00 mW/g (1g)

Comments:

Communication System Band: D2450, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 2450 MHz; σ = 1.88 S/m; ε_r = 50.6; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 2450 MHz, ConvF(7.65, 7.65, 7.65) @ 2450 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

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

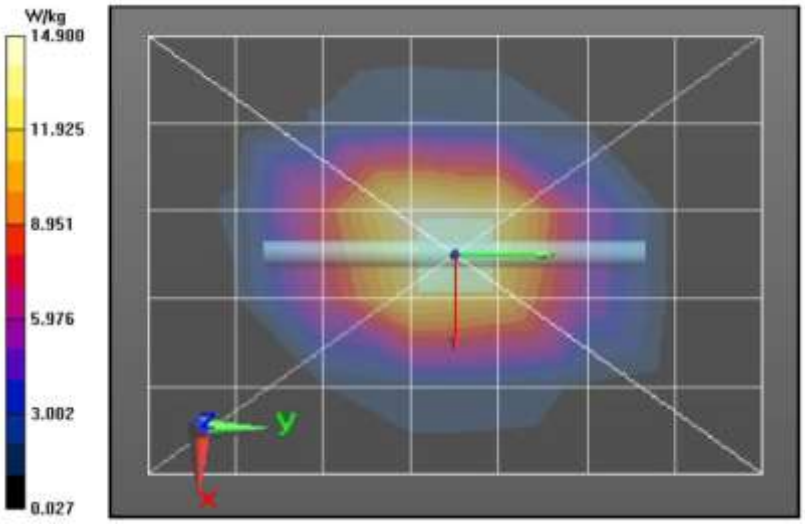
dx=1.200 mm, dy=1.200 mm
Reference Value = 109.8 V/m; Power Drift = -0.00 dB
Fast SAR: SAR(1 g) = 13.1 W/kg; SAR(10 g) = 5.86 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 22.4 W/kg

2-3 GHz-Rev.3/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 109.8 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 24.5 W/kg
SAR(1 g) = 13 W/kg; SAR(10 g) = 6.16 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 8.9 mm
Ratio of SAR at M2 to SAR at M1 = 53.9%
Maximum value of SAR (measured) = 20.5 W/kg

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

dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 20.7 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/1/2022 5:51:57 PM

Robot#: DASY5-PG-1 | Run#:	BL-SYSP-2450H-220401-12
Dipole Model#	D2450V2
Phantom#:	ELI4 1108
Tissue Temp:	20.7 (C)
Serial#:	782
Test Freq:	2450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.12 dB
Adjusted SAR (1W):	58.80 mW/g (1g)

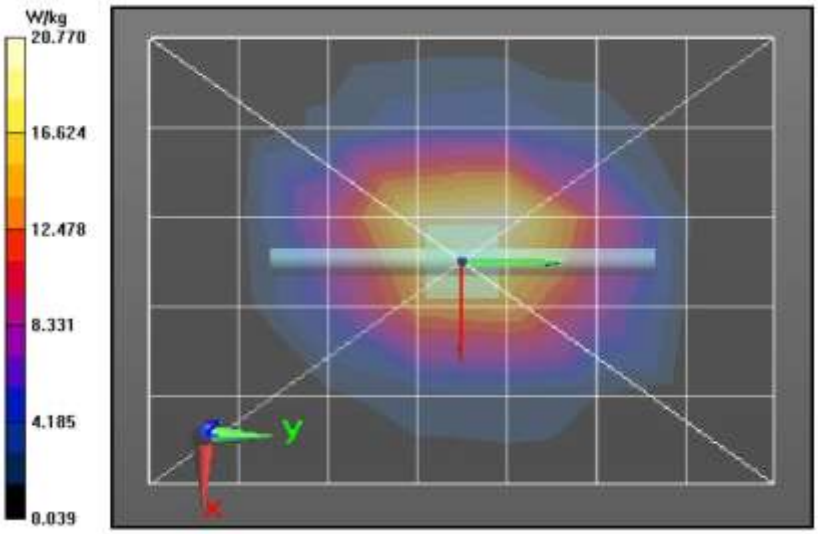
Comments:

Communication System Band: D2450, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 2450 MHz; σ = 1.88 S/m; ε_r = 39.9; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 2450 MHz, ConvF(7.69, 7.69, 7.69) @ 2450 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (51x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 119.0 V/m; Power Drift = 0.05 dB
Fast SAR: SAR(1 g) = 15.9 W/kg; SAR(10 g) = 7.42 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 27.0 W/kg

2-3 GHz-Rev.3/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 119.0 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 31.6 W/kg
SAR(1 g) = 14.7 W/kg; SAR(10 g) = 6.87 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 9.2 mm
Ratio of SAR at M2 to SAR at M1 = 47%
Maximum value of SAR (measured) = 25.2 W/kg

2-3 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 25.6 W/kg



Appendix E

DUT Scans

Assessment at the FCC/ISED Highest Body Configuration – Table 18 & 20

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/29/2022 1:56:22 AM

Robot#: DASY5-PG-1 | Run#: BL-AB-220329-02#
Model#: AAH02RDC9VA1AN (PMUE5778B)
Phantom#: ELI4 1040
Tissue Temp: 21.0 (C)
Serial#: 446TYF7172
Antenna: PMAE4071A
Test Freq: 470.0000 (MHz)
Battery: PMNN4417BR
Carry Acc: RLN4570A
Audio Acc: None
Start Power: 4.70 (W)

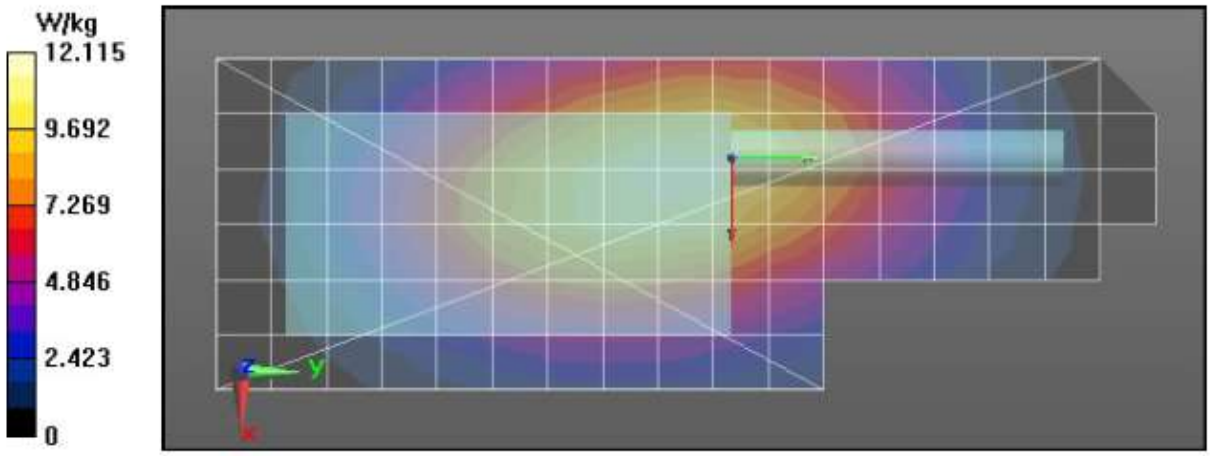
Comments:

Communication System Band: Andorra Refresh UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 470 MHz; σ = 0.94 S/m; ε_r = 55.4; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 470 MHz, ConvF(11.4, 11.4, 11.4) @ 470 MHz
Electronics: DAE4 Sn1483, Calibrated: 8/4/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 113.0 V/m; Power Drift = -0.43 dB
Fast SAR: SAR(1 g) = 9.89 W/kg; SAR(10 g) = 7.16 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 = 113.0 V/m; Power Drift = -0.47 dB
Peak SAR (extrapolated) = 12.8 W/kg
SAR(1 g) = 9.48 W/kg; SAR(10 g) = 7.15 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 = 74.4%
Maximum value of SAR (measured) = 11.6 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) = 11.4 W/kg



Assessment at the FCC/ISED Highest Face Configuration – Table 19 & 20

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/30/2022 2:20:52 AM

Robot#: DASY5-PG-1 | Run#: FZ-FACE-220330-03
Model#: AAH02RDC9VA1AN (PMUE5778B)
Phantom#: ELI4 1022
Tissue Temp: 21.6 (C)
Serial#: 446TYF7172
Antenna: PMAE4071A
Test Freq: 470.0000 (MHz)
Battery: PMNN4406BR
Carry Acc: @ front
Audio Acc: None
Start Power: 4.80 (W)

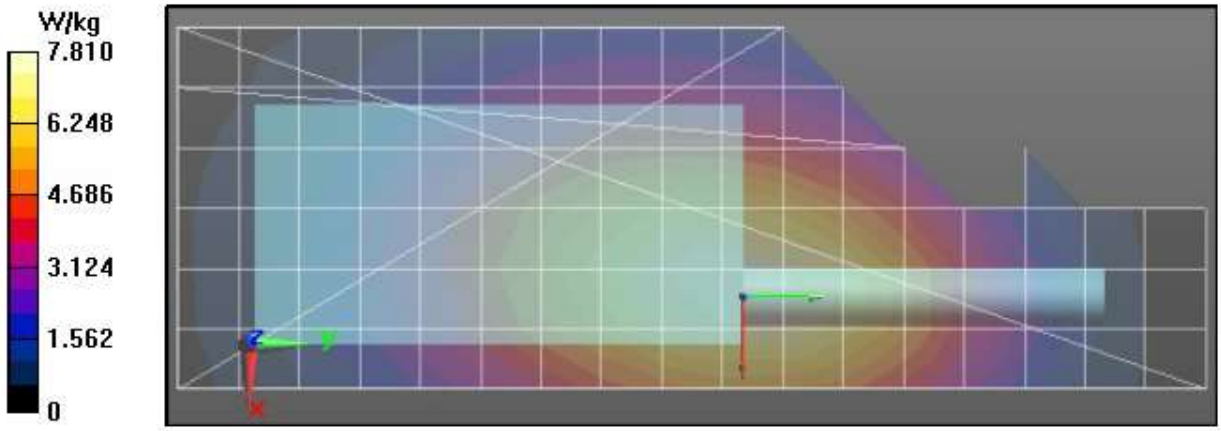
Comments:

Communication System Band: Andorra Refresh UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 470 MHz; σ = 0.87 S/m; ε_r = 42.1; 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 (61x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 91.75 V/m; Power Drift = -0.42 dB
Fast SAR: SAR(1 g) = 6.39 W/kg; SAR(10 g) = 4.64 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 7.88 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 = 91.75 V/m; Power Drift = -0.46 dB
Peak SAR (extrapolated) = 8.08 W/kg
SAR(1 g) = 5.96 W/kg; SAR(10 g) = 4.44 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 = 73.5%
Maximum value of SAR (measured) = 7.34 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) = 7.28 W/kg



Assessments at the FCC/ISED WLAN 2.4 GHz Body – Table 22

Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/2/2022 9:12:34 PM

Robot#: DASY5-PG-1 | Run#: MHI-AB-220402-09
Model#: AAH02RDC9VA1AN (PMUE5778B)
Phantom#: ELI4 1028
Tissue Temp: 19.5 (C)
Serial#: 446TYF7176
Antenna: 85012026001 WiFi Ant
Test Freq: 2462.0000 (MHz)
Battery: PMNN4491C
Carry Acc: PMLN4651A
Audio Acc: None
Start Power: 0.059 (W)

Comments:

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

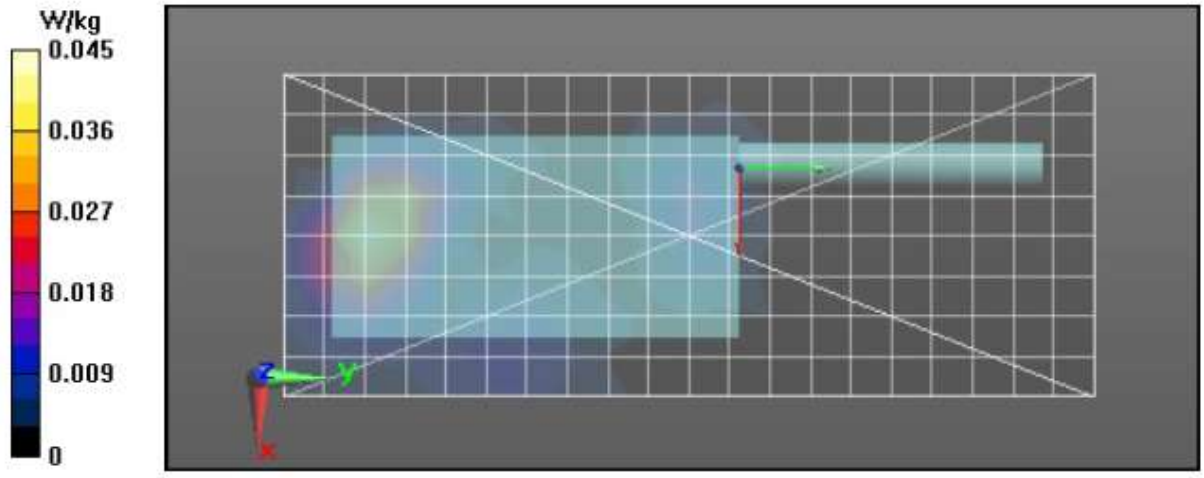
Medium parameters used: f = 2462 MHz; σ = 1.89 S/m; ε_r = 50.6; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 2462 MHz, ConvF(7.65, 7.65, 7.65) @ 2462 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

2-3 GHz-Rev.2/Ab Scan/1-Area Scan (81x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.627 V/m; Power Drift = 0.17 dB
Fast SAR: SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.015 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.0612 W/kg

2-3 GHz-Rev.2/Ab Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.627 V/m; Power Drift = 0.29 dB
Peak SAR (extrapolated) = 0.134 W/kg
SAR(1 g) = 0.028 W/kg; SAR(10 g) = 0.00935 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) = 0.0493 W/kg

2-3 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.0481 W/kg



Assessments at the FCC/ISED WLAN 2.4 GHz Face – Table 22

Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/1/2022 11:21:09 PM

Robot#: DASY5-PG-1 | Run#:	FZ-FACE-220401-15
Model#:	AAH02RDH9VA1AN (PMUE5778B)
Phantom#:	ELI4 1028
Tissue Temp:	20.7 (C)
Serial#:	446TYF7176
Antenna:	85012026001 WiFi Ant
Test Freq:	2437.0000 (MHz)
Battery:	PMNN4418BR
Carry Acc:	None
Audio Acc:	None
Start Power:	0.058 (W)

Comments:

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

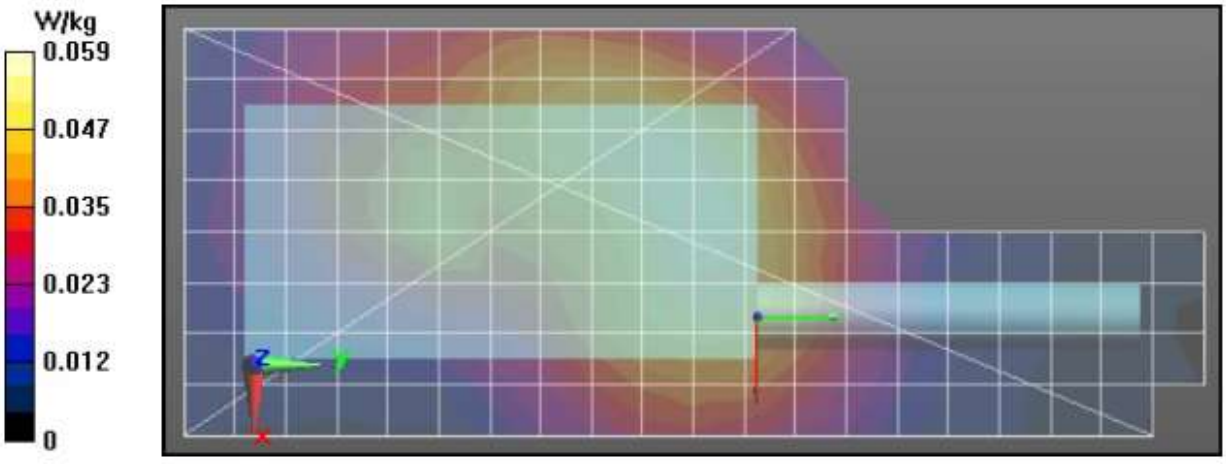
Medium parameters used: f = 2437 MHz; σ = 1.87 S/m; ε_r = 39.9; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 2437 MHz, ConvF(7.69, 7.69, 7.69) @ 2437 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

2-3 GHz-Rev.2/Face Scan/1-Area Scan (81x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.672 V/m; Power Drift = -0.09 dB
Fast SAR: SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.028 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.109 W/kg

2-3 GHz-Rev.2/Face Scan/3-Zoom Scan (16x10x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.672 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.149 W/kg
SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.018 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 = 53.9%
Maximum value of SAR (measured) = 0.0580 W/kg

2-3 GHz-Rev.2/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.0501 W/kg



APPENDIX F
Shortened Scan of Highest SAR configuration

Shortened Scan - Table 23

Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/5/2022 4:15:22 PM

Robot#: DASY5-PG-1 | Run#: FZ-AB-220405-02
Model#: AAH02RDC9VA1AN (PMUE5778B)
Phantom#: ELI4 1040
Tissue Temp: 20.6 (C)
Serial#: 446TYF7172
Antenna: PMAE4071A
Test Freq: 470.0000 (MHz)
Battery: PMNN4417BR
Carry Acc: RLN4570A
Audio Acc: None
Start Power: 4.80 (W)

Comments:

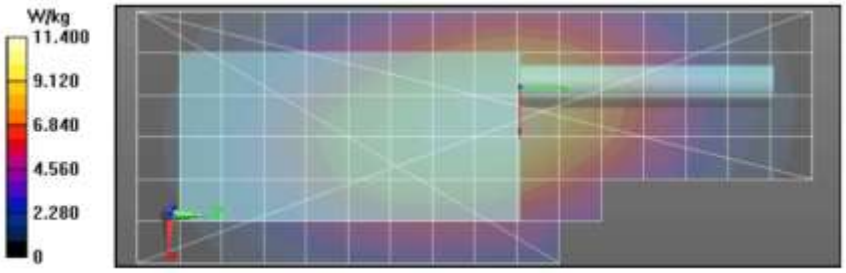
Communication System Band: Andorra Refresh UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 470 MHz; σ = 0.96 S/m; ε_r = 57.4; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 470 MHz, ConvF(11.4, 11.4, 11.4) @ 470 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 104.8 V/m; Power Drift = -0.60 dB
Fast SAR: SAR(1 g) = 9.5 W/kg; SAR(10 g) = 6.9 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 11.7 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 = 104.8 V/m; Power Drift = -0.62 dB
Fast SAR: SAR(1 g) = 9.33 W/kg; SAR(10 g) = 6.86 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 11.4 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 = 119.6 V/m; Power Drift = -0.41 dB
Peak SAR (extrapolated) = 14.0 W/kg
SAR(1 g) = 10 W/kg; SAR(10 g) = 7.46 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 71.8%
Maximum value of SAR (measured) = 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) = 11.0 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)	23	7	5.50
Full scan (area & zoom)	18	30	5.39

APPENDIX G
DUT Test Position Photos

1. Highest SAR Test Position

1.1 Body

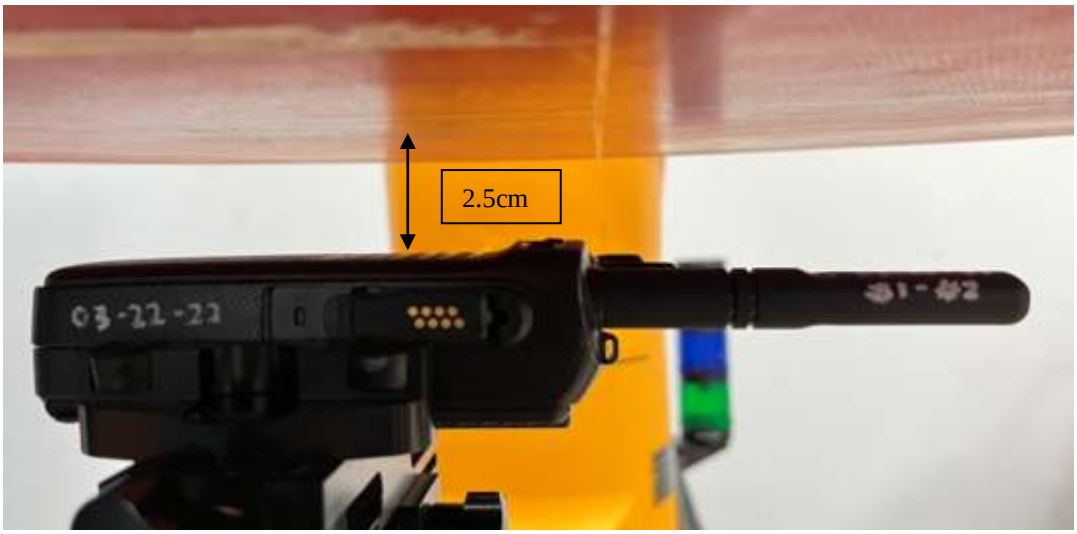
DUT with antenna PMAE4071A, offered battery PMNN4417B and body worn RLN4570A positioned against the phantom without an audio accessory attached.

1.2 Head

Not applicable

1.3 Face

DUT with antenna PMAE4071A and battery PMNN4406BR separated 2.5cm from the phantom Without an audio accessory attached.



APPENDIX H
DUT, Body worn and audio accessories Photos

Please Refer Original Filing Report