MOTOROLA SOLUTIONS

TESTING CERT # 2518.05

DECLARATION OF COMPLIANCE SAR ASSESSMENT PCII Report Part 2 of 2

Motorola Solutions Inc.
EME Test Laboratory
Motorola Solutions Malaysia Sdn Bhd (Innoplex)
Plot 2A, Medan Bayan Lepas
Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.

Date of Report: 12/20/2021
Report Revision: A

Responsible Engineer:	Saw Sun Hock (EME Engineer)
Report Author:	Hoe Kean Loon (EME Engineer)
Date/s Tested:	11/30/2021, 12/09/2021 – 12/10/2021
Manufacturer:	Motorola Solutions Inc.
DUT Description:	Handheld Portable – SRX2200 Refresh UHF1 380-472 MHz, 0.1Watt, Full Keypad and Non-Keypad models
Test TX mode(s):	CW (PTT) , Bluetooth, WLAN 802.11 b/g/n
Max. Power output:	Refer Table 3
Tx Frequency Bands:	LMR 380-472 MHz; Bluetooth 2.402-2.480 GHz; WLAN 802.11 b/g/n 2.412-2.462 GHz
Signaling type:	FM (LMR), FHSS (Bluetooth), 802.11 b/g/n (WLAN)
Model(s) Tested:	H99QDD9PW5BN (PMUE5008C)(IC Model: SRX2200_U1LP_1.5)
Model(s) Certified:	H99QDD9PW5BN (PMUE5008C)(IC Model: SRX2200_U1LP_1.5), H99QDH9PW7BN (PMUE5009C)(IC Model: SRX2200_U1LP_3.5)
Serial Number(s):	756TXV0833
Classification:	Occupational/Controlled
Applicant Name:	Motorola Solutions Inc.
Applicant Address:	8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322
FCC ID:	AZ489FT7084; LMR 406.1-472 MHz, Bluetooth 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-89FT7084; LMR 406.1-430 MHz & 450-470 MHz, Bluetooth 2.402-2.480 GHz, WLAN 802.11 b/g/n 2.412-2.462 GHz 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. 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.

Pei Loo Tey
(Approved Signatory)
Approval Date: 12/23/2021

Appendix D
System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/30/2021 10:34:19 AM

Robot#: DASY5-PG-1 | Run#: BL-SYSP-2450H-211130-01
Dipole Model# D2450V2
Phantom#: ELI4 1028
Tissue Temp: 20.5 (C)
Serial#: 782
Test Freq: 2450 (MHz)
Start Power: 250 (mW)
Rotation (1D): 0.048 dB
Adjusted SAR (1W): 52.80 mW/g (1g)

Comments:

Communication System Band: D2450 (2450.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 2450 MHz; σ = 1.77 S/m; ε_r = 36.9; 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 (51x101x1): Interpolated

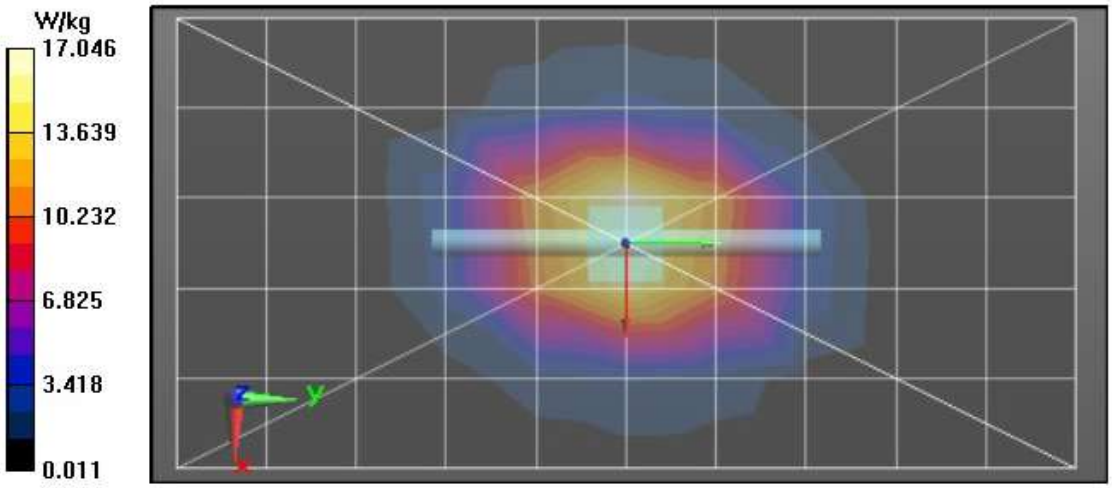
grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 115.7 V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.47 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 23.1 W/kg

2-3 GHz-Rev.3/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement

grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 115.7 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 27.6 W/kg
SAR(1 g) = 13.2 W/kg; SAR(10 g) = 6.2 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 48.5%
Maximum value of SAR (measured) = 22.3 W/kg

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

dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 22.5 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/30/2021 2:50:55 PM

Robot#: DASY5-PG-1 | Run#: BL-SYSP-2450B-211130-04
Dipole Model# D2450V2
Phantom#: ELI4 1028
Tissue Temp: 20.4 (C)
Serial#: 782
Test Freq: 2450 (MHz)
Start Power: 250 (mW)
Rotation (1D): 0.094 dB
Adjusted SAR (1W): 54.40 mW/g (1g)

Comments:

Communication System Band: D2450 (2450.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 2450 MHz; σ = 2.05 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 (51x101x1): Interpolated

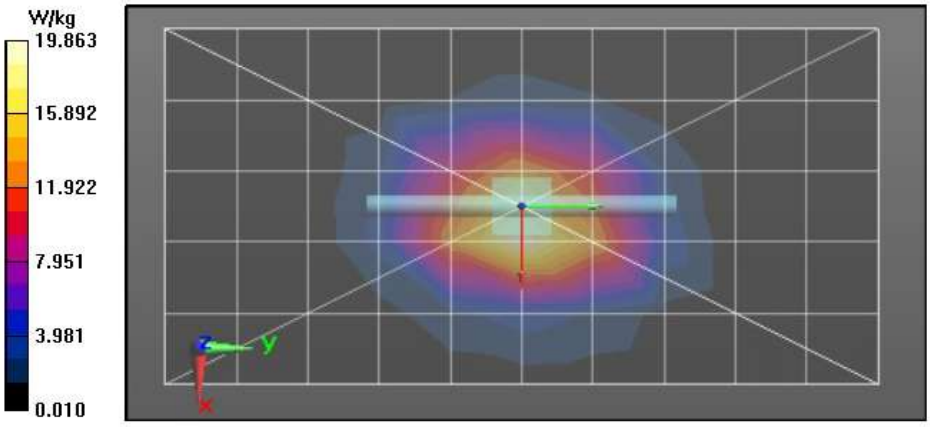
grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 112.9 V/m; Power Drift = -0.06 dB
Fast SAR: SAR(1 g) = 14.2 W/kg; SAR(10 g) = 6.59 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 24.1 W/kg

2-3 GHz-Rev.3/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement

grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 112.9 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 29.3 W/kg
SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.3 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 48.3%
Maximum value of SAR (measured) = 23.7 W/kg

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

dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 23.9 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/9/2021 3:47:58 PM

Robot#: DASY5-PG-1 | Run#:	FZ-SYSP-450H-211209-07
Dipole Model#	D450V3
Phantom#:	ELI4 1108
Tissue Temp:	20.6 (C)
Serial#:	1054
Test Freq:	450.000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.21 dB
Adjusted SAR (1W):	5.00 mW/g (1g)

Comments:

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

Medium parameters used: f = 450 MHz; σ = 0.9 S/m; ε_r = 43; 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 (41x211x1):

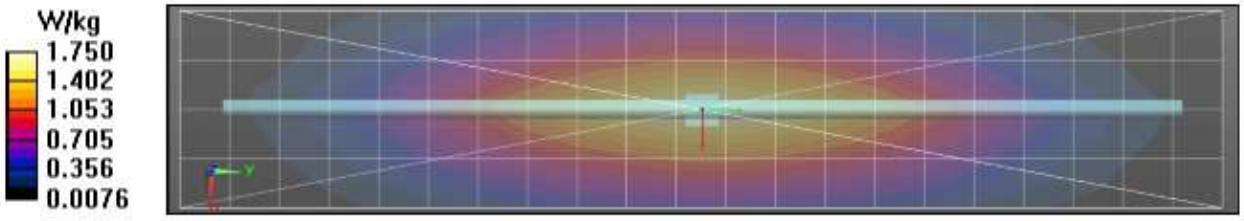
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 45.32 V/m; Power Drift = -0.04 dB
Fast SAR: SAR(1 g) = 1.36 W/kg; SAR(10 g) = 0.937 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.75 W/kg

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 = 45.32 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 2.00 W/kg
SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.841 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 = 64.3%
Maximum value of SAR (measured) = 1.74 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: 12/9/2021 8:42:48 PM

Robot#: DASY5-PG-1 | Run#:	BL-SYSP-450B-211209-11
Dipole Model#	D450V3
Phantom#:	ELI4 1108
Tissue Temp:	20.6 (C)
Serial#:	1054
Test Freq:	450.000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.21 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 = 0.93 S/m; ε_r = 55; 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 (41x211x1):

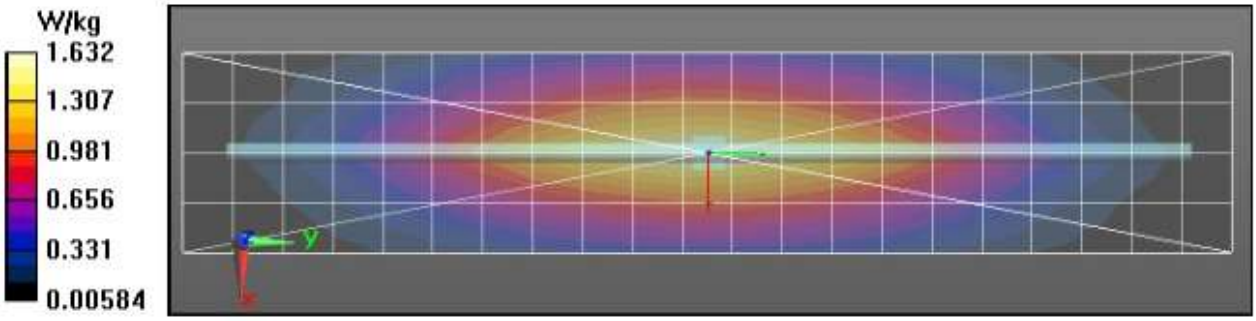
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 42.64 V/m; Power Drift = 0.02 dB
Fast SAR: SAR(1 g) = 1.31 W/kg; SAR(10 g) = 0.910 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.65 W/kg

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 = 42.64 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.91 W/kg
SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.821 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 = 63.8%
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: 12/10/2021 4:46:56 PM

Robot#: DASY5-PG-1 | Run#: FZ-SYSP-2450B-211210-07
Dipole Model# D2450V2
Phantom#: ELI4 1028
Tissue Temp: 19.2 (C)
Serial#: 782
Test Freq: 2450.0000 (MHz)
Start Power: 250 (mW)
Rotation (1D): 0.083 dB
Adjusted SAR (1W): 52.00 mW/g (1g)

Comments:

Communication System Band: D2450 (2450.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 2450 MHz; σ = 2.04 S/m; ε_r = 52.1; 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:

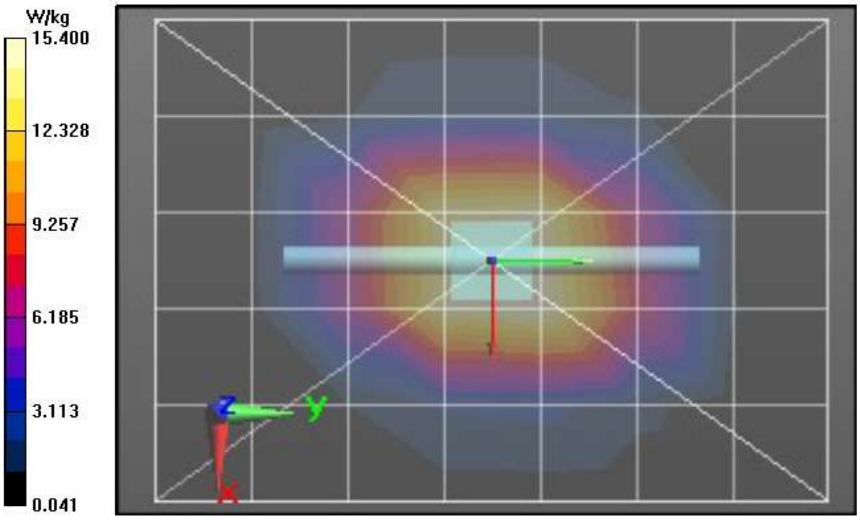
dx=1.200 mm, dy=1.200 mm
Reference Value = 110.2 V/m; Power Drift = -0.05 dB
Fast SAR: SAR(1 g) = 13.7 W/kg; SAR(10 g) = 6.28 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 24.3 W/kg

2-3 GHz-Rev.3/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement

grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 110.2 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 27.9 W/kg
SAR(1 g) = 13 W/kg; SAR(10 g) = 5.97 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 48%
Maximum value of SAR (measured) = 22.7 W/kg

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

dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 22.7 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/10/2021 3:45:22 AM

Robot#: DASY5-PG-1 | Run#: BL-SYSP-2450H-211210-01
Dipole Model# D2450V2
Phantom#: ELI4 1028
Tissue Temp: 19.0 (C)
Serial#: 782
Test Freq: 2450.0000 (MHz)
Start Power: 250 (mW)
Rotation (1D): 0.12 dB
Adjusted SAR (1W): 58.00 mW/g (1g)

Comments:

Communication System Band: D2450 (2450.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 2450 MHz; σ = 1.86 S/m; ε_r = 37.3; 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 (51x101x1): Interpolated

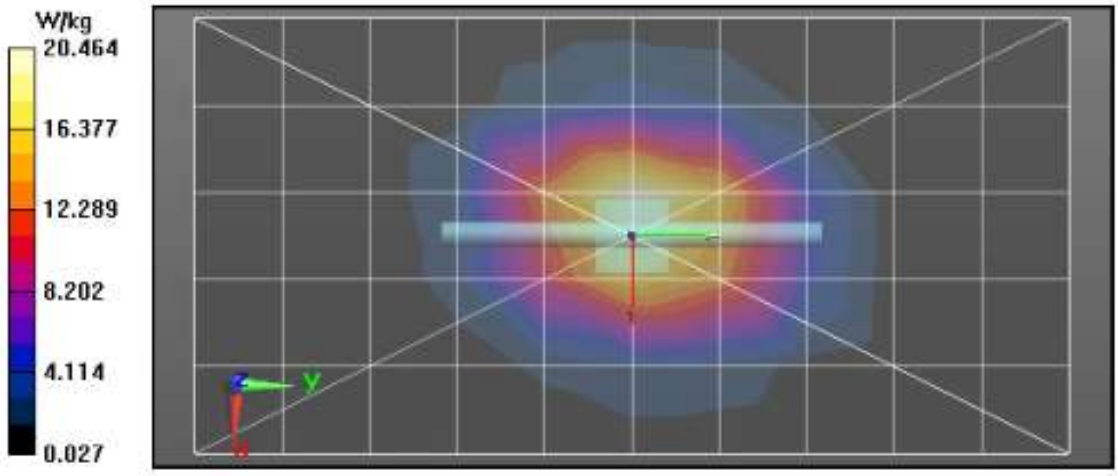
grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 121.1 V/m; Power Drift = -0.06 dB
Fast SAR: SAR(1 g) = 15.6 W/kg; SAR(10 g) = 7.33 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 26.4 W/kg

2-3 GHz-Rev.3/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement

grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 121.1 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 32.2 W/kg
SAR(1 g) = 14.5 W/kg; SAR(10 g) = 6.76 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 46.4%
Maximum value of SAR (measured) = 25.4 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) = 25.8 W/kg



Appendix E
DUT Scans

Assessments at the Body
Table 17 & Table 21
Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/9/2021 9:46:08 PM

Robot#: DASY5-PG-1 | Run#: BL-AB-211209-12
Model#: H99QDD9PW5BN (PMUE5008C)
Phantom#: ELI4 1040
Tissue Temp: 20.3 (C)
Serial#: 756TXV0833
Antenna: PMAE4065A
Test Freq: 406.1250 (MHz)
Battery: PMNN4486A
Carry Acc: NNTN8269A
Audio Acc: None
Start Power: 0.0994 (W)

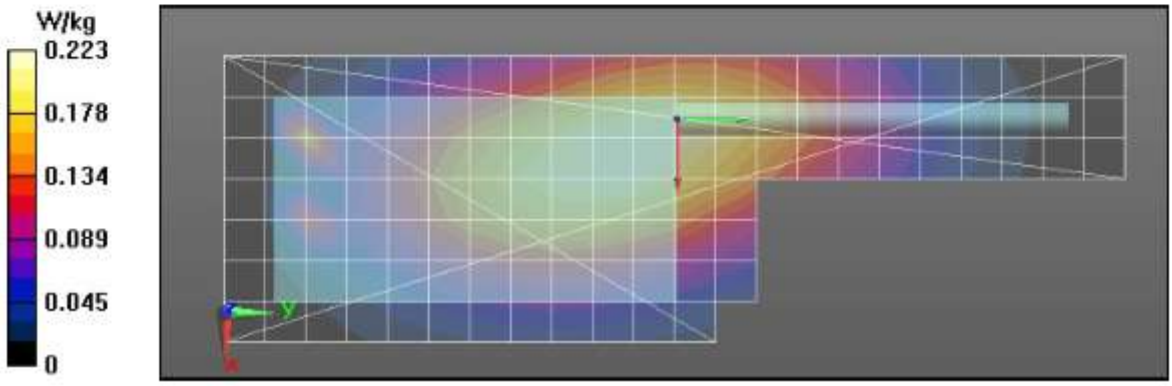
Comments:

Communication System Band: SRX2200, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 406 MHz; σ = 0.89 S/m; ε_r = 55.8; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 406.125 MHz, ConvF(11.4, 11.4, 11.4) @ 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 = 15.03 V/m; Power Drift = -0.17 dB
Fast SAR: SAR(1 g) = 0.191 W/kg; SAR(10 g) = 0.140 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.227 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 = 15.03 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.255 W/kg
SAR(1 g) = 0.187 W/kg; SAR(10 g) = 0.141 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 = 71.4%
Maximum value of SAR (measured) = 0.226 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) = 0.227 W/kg



Assessment at the Face
Table 18 & Table 21

Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/9/2021 4:43:37 PM

Robot#: DASY5-PG-1 | Run#: FZ-FACE-211209-08
Model#: H99QDD9PW5BN (PMUE5008C)
Phantom#: ELI4 1108
Tissue Temp: 20.6 (C)
Serial#: 756TXV0833
Antenna: FAF5259A
Test Freq: 406.1250 (MHz)
Battery: PMNN4485A
Carry Acc: None @ Radio Front
Audio Acc: None
Start Power: 0.1 (W)

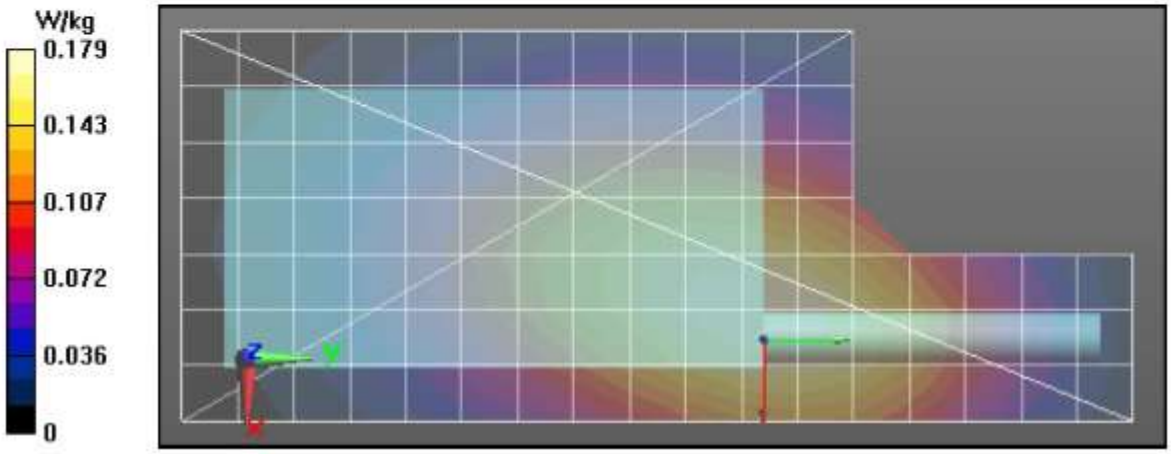
Comments:

Communication System Band: SRX2200, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 406 MHz; σ = 0.85 S/m; ε_r = 44.1; 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/Face Scan/1-Area Scan (71x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 13.69 V/m; Power Drift = -0.05 dB
Fast SAR: SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.111 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.181 W/kg

Below 2 GHz-Rev.3/Face Scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.69 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.201 W/kg
SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.111 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 = 72.2%
Maximum value of SAR (measured) = 0.180 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) = 0.180 W/kg



Assessment at the WLAN2.4GHz Body
Table 20

Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/30/2021 11:49:47 PM

Robot#: DASY5-PG-1 | Run#: FZ-AB-211130-09
Model#: H99QDD9PW5BN (PMUE5008C)
Phantom#: ELI4 1028
Tissue Temp: 20.1 (C)
Serial#: 756TXV0833
Antenna: FAF5259A w/ WiFi Ant
Test Freq: 2412.0000 (MHz)
Battery: NNTN7038B
Carry Acc: HLN6875A w/PMLN5709At
Audio Acc: None
Start Power: 0.0427 (W)

Comments:

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

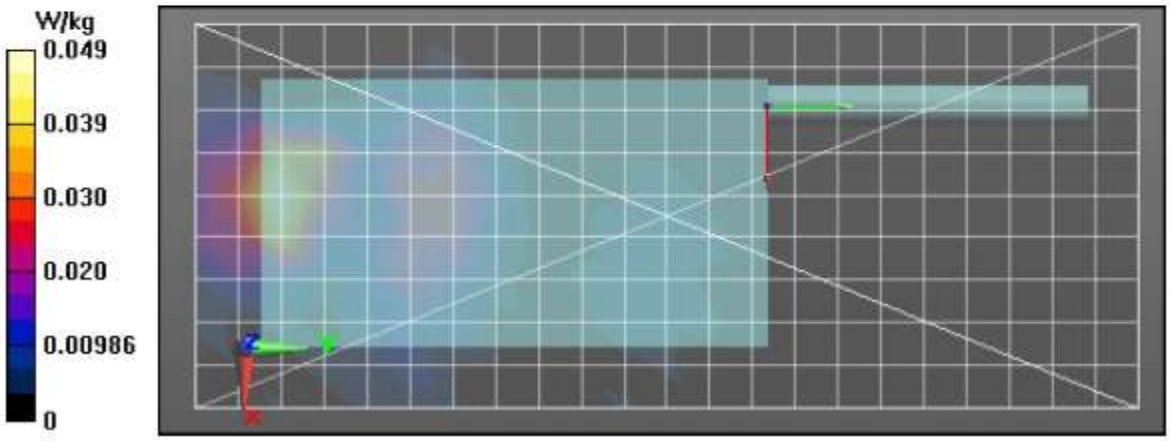
Medium parameters used: f = 2412 MHz; σ = 2 S/m; ε_r = 50.7; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 2412 MHz, ConvF(7.65, 7.65, 7.65) @ 2412 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

2-3 GHz-Rev.3/Ab Scan/1-Area Scan (91x221x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 6.069 V/m; Power Drift = -0.73 dB
Fast SAR: SAR(1 g) = 0.033 W/kg; SAR(10 g) = 0.017 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.0547 W/kg

2-3 GHz-Rev.3/Ab Scan/3-Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.069 V/m; Power Drift = -0.45 dB
Peak SAR (extrapolated) = 0.0920 W/kg
SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.017 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 = 41.8%
Maximum value of SAR (measured) = 0.0643 W/kg

2-3 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.0747 W/kg



Assessment at the WLAN 2.4GHz Face
Table 20

Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/30/2021 11:46:15 AM

Robot#: DASY5-PG-1 | Run#: BL-FACE-211130-02
Model#: H99QDD9PW5BN (PMUE5008C)
Phantom#: ELI4 1028
Tissue Temp: 20.5 (C)
Serial#: 756TXV0833
Antenna: FAF5259A w/ WiFi Ant
Test Freq: 2412.0000 (MHz)
Battery: PMNN4485A
Carry Acc: None, Radio Front
Audio Acc: None
Start Power: 0.0427 (W)

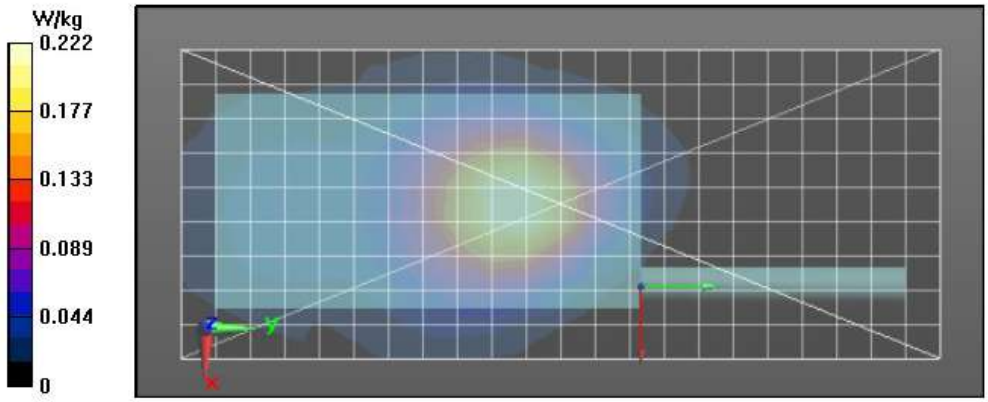
Comments:

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 = 2412 MHz; σ = 1.74 S/m; ε_r = 36.9; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 2412 MHz, ConvF(7.69, 7.69, 7.69) @ 2412 MHz
Electronics: DAE4 Sn1488, Calibrated: 4/7/2021

2-3 GHz-Rev.3/Face Scan/1-Area Scan (91x221x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 10.20 V/m; Power Drift = 0.12 dB
Fast SAR: SAR(1 g) = 0.161 W/kg; SAR(10 g) = 0.092 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.238 W/kg

2-3 GHz-Rev.3/Face Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.20 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.288 W/kg
SAR(1 g) = 0.161 W/kg; SAR(10 g) = 0.094 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 = 54.9%
Maximum value of SAR (measured) = 0.240 W/kg

2-3 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.239 W/kg



APPENDIX F
Shortened Scan of Highest SAR configuration

Shortened Scan - Table 22

Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/10/2021 12:06:43 AM

Robot#: DASY5-PG-1 | Run#: BL-AB-211209-15
Model#: H99QDD9PW5BN (PMUE5008C)
Phantom#: ELI4 1040
Tissue Temp: 20.5 (C)
Serial#: 756TXV0833
Antenna: PMAE4065A
Test Freq: 406.1250 (MHz)
Battery: PMNN4486A
Carry Acc: NNTN8269A
Audio Acc: None
Start Power: 0.0992 (W)

Comments: Shorten scan

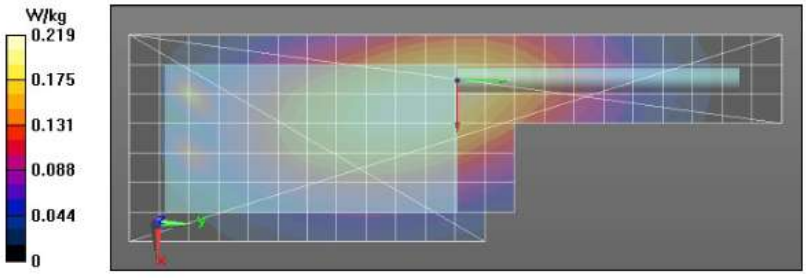
Communication System Band: SRX2200, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 406 MHz; σ = 0.89 S/m; ε_r = 55.8; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7486, Calibrated: 6/18/2021, Frequency: 406.125 MHz, ConvF(11.4, 11.4, 11.4) @ 406.125 MHz
Electronics: DAE4 Sn1488, Calibrated: 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 = 15.00 V/m; Power Drift = -0.16 dB
Fast SAR: SAR(1 g) = 0.187 W/kg; SAR(10 g) = 0.137 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.222 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 = 15.00 V/m; Power Drift = -0.12 dB
Fast SAR: SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.140 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.223 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 = 16.44 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.265 W/kg
SAR(1 g) = 0.194 W/kg; SAR(10 g) = 0.146 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 = 71.5%
Maximum value of SAR (measured) = 0.235 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) = 0.220 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)	SAR 10g (W/kg)
Shorten scan (zoom)	22	7	0.194	0.098
Full scan (area & zoom)	17	32	0.187	0.097

APPENDIX G
DUT Test Position Photos

1.0 Highest SAR Test Position per body location

1.1 Body

DUT with Antenna PMAE4065A with offered battery PMNN4486A and body worn NNTN8269A against the phantom without an audio accessory attached.

Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
PMAE4065A	10	30	39

1.2 Face

Back of DUT with antenna FAF5259A with offered battery PMNN4485A separated 2.5cm from the phantom without an audio accessory attached.

Antenna kit #	Separation Distances (mm)		
	@ bottom surface of the DUT	@ antenna's base	@ antenna's tip
FAF5259A	25	34	37

APPENDIX H
DUT, Body worn and audio accessories Photos

Please refer to original filing report