MOTOROLA SOLUTIONS

MS ISO/IEC 17025 TESTING SAMM No. 0826

ACCREDITED CERTIFICATE 2518.05

DECLARATION OF COMPLIANCE SAR ASSESSMENT 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: 12/13/2021
Report Revision: A

Responsible Engineer:	Saw Sun Hock (EME Engineer)
Report Author:	Muhammad Zakwan Bin Zaidi (EME Senior Technician)
Date/s Tested:	11/13/2021, 11/17/2021, 11/19/2021-11/20/2021, 12/09/2021-12/10/2021
Manufacturer:	Motorola Solutions Inc.
DUT Description:	Handheld Portable – APX6000 and APX6000XE Refresh UHF2 450-520 MHz 5W
Test TX mode(s):	CW (PTT) , Bluetooth, WLAN 802.11 b/g/n
Max. Power output:	Refer Table 4
Nominal Power:	Refer Table 4
Tx Frequency Bands:	LMR 450-520 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:	H98SDD9PW5BN (PMUE4975C)
Model(s) Certified:	Refer Table 1
Serial Number(s):	481TXV0563
Classification:	Occupational/Controlled
Applicant Name:	Motorola Solutions Inc.
Applicant Address:	8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322
FCC ID:	AZ489FT7085; LMR 450-512 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.
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.

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.

Pei Loo Tey
(Approved Signatory)
Approval Date: 12/14/2021

Appendix D
System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/9/2021 7:02:11 PM

Robot#: DASY5-PG-2 | Run#:	MHI(DAN)-SYSP-450H-202109-13
Dipole Model#	D450V3
Phantom#:	ELI4 1108
Tissue Temp:	19.8(C)
Serial#:	1054
Test Freq:	450.0000(MHz)
Start Power:	250(mW)
Rotation (1D):	0.12dB
Adjusted SAR (1W):	4.96mW/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 = 43; 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):

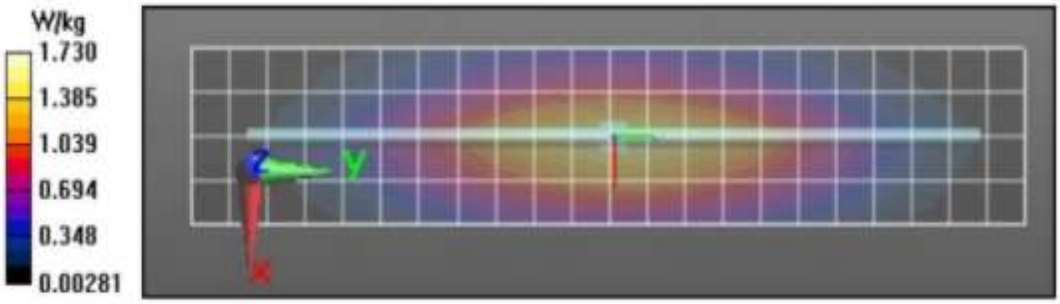
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 45.37 V/m; Power Drift = 0.00 dB
Fast SAR: SAR(1 g) = 1.35 W/kg; SAR(10 g) = 0.932 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.75 W/kg

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 = 45.37 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 2.05 W/kg
SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.824 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 = 62.6%
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) = 1.75 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/10/2021 1:05:10 AM

Robot#: DASY5-PG-2 | Run#:	AF-SYSP-450B-202110-01#
Dipole Model#	D450V3
Phantom#:	ELI4 1040
Tissue Temp:	19.8 (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 = 0.93 S/m; ε_r = 55; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 450 MHz, ConvF(11.86, 11.86, 11.86) @ 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 = 43.42 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) = 1.69 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 = 43.42 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.00 W/kg

SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.838 W/kg (SAR corrected for target medium)

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

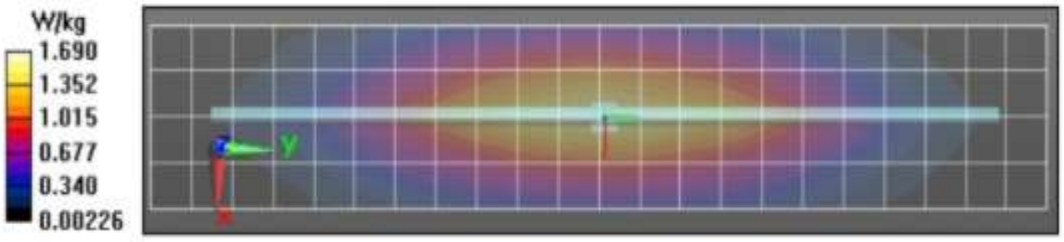
Ratio of SAR at M2 to SAR at M1 = 62.8%

Maximum value of SAR (measured) = 1.71 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) = 1.71 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/17/2021 6:04:24 AM

Robot#: DASY5-PG-3 | Run#:	AR-SYSP-2450B-211117-04
Dipole Model#	D2450V2
Phantom#:	ELI4 1028
Tissue Temp:	21.9 (C)
Serial#:	782
Test Freq:	2450 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.130 dB
Adjusted SAR (1W):	55.60 mW/g (1g)

Comments:

Communication System Band: Dipole 2450, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 2450 MHz; σ = 1.98 S/m; ε_r = 48.7; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 2450 MHz, ConvF(7.82, 7.82, 7.82) @ 2450 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (51x101x1): Interpolated

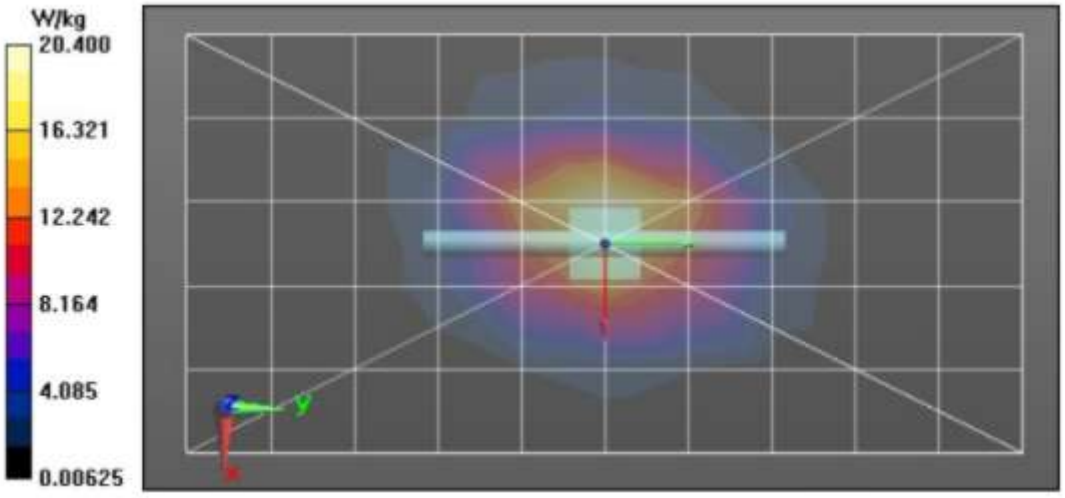
grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 114.9 V/m; Power Drift = -0.10 dB
Fast SAR: SAR(1 g) = 14.6 W/kg; SAR(10 g) = 6.73 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 24.5 W/kg

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

grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 114.9 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 29.4 W/kg
SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.44 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 = 48.7%
Maximum value of SAR (measured) = 23.9 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: 11/20/2021 2:10:45 AM

Robot#: DASY5-PG-3 | Run#:	AR-SYSP-2450B-211120-03
Dipole Model#	D2450V2
Phantom#:	ELI4 1028
Tissue Temp:	22.1 (C)
Serial#:	782
Test Freq:	2450 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.120 dB
Adjusted SAR (1W):	56.00 mW/g (1g)

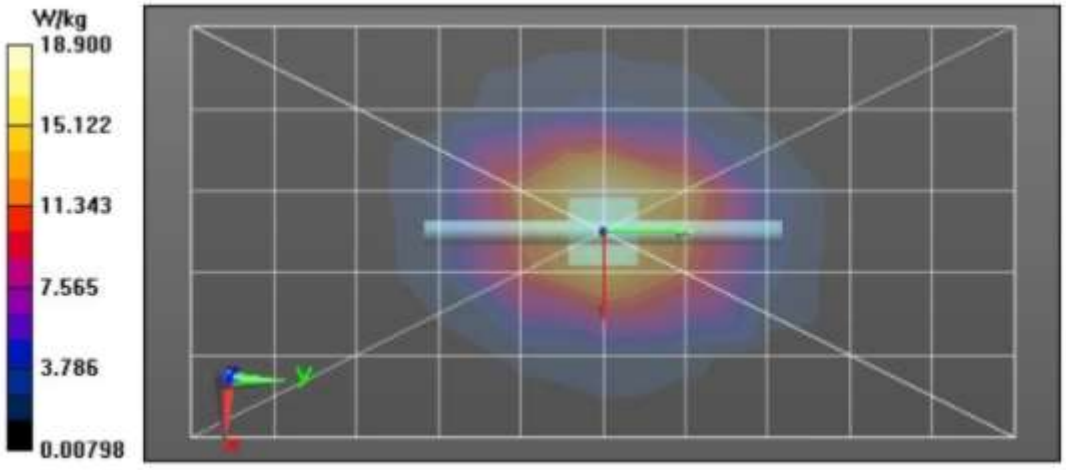
Comments:

Communication System Band: Dipole 2450, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 2450 MHz; σ = 1.99 S/m; ε_r = 48.7; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 2450 MHz, ConvF(7.82, 7.82, 7.82) @ 2450 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

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 = 115.3 V/m; Power Drift = -0.11 dB
Fast SAR: SAR(1 g) = 14.6 W/kg; SAR(10 g) = 6.79 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 24.8 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 = 115.3 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 30.2 W/kg
SAR(1 g) = 14 W/kg; SAR(10 g) = 6.45 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 = 47.9%
Maximum value of SAR (measured) = 24.3 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) = 25.3 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/19/2021 1:27:57 AM

Robot#: DASY5-PG-3 | Run#:	AR-SYSP-2450H-211119-01
Dipole Model#	D2450V2
Phantom#:	ELI4 1022
Tissue Temp:	22.1 (C)
Serial#:	782
Test Freq:	2450 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.11 dB
Adjusted SAR (1W):	53.60 mW/g (1g)

Comments:

Communication System Band: Dipole 2450, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 2450 MHz; σ = 1.88 S/m; ε_r = 35.5; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 2450 MHz, ConvF(7.83, 7.83, 7.83) @ 2450 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (51x101x1): Interpolated

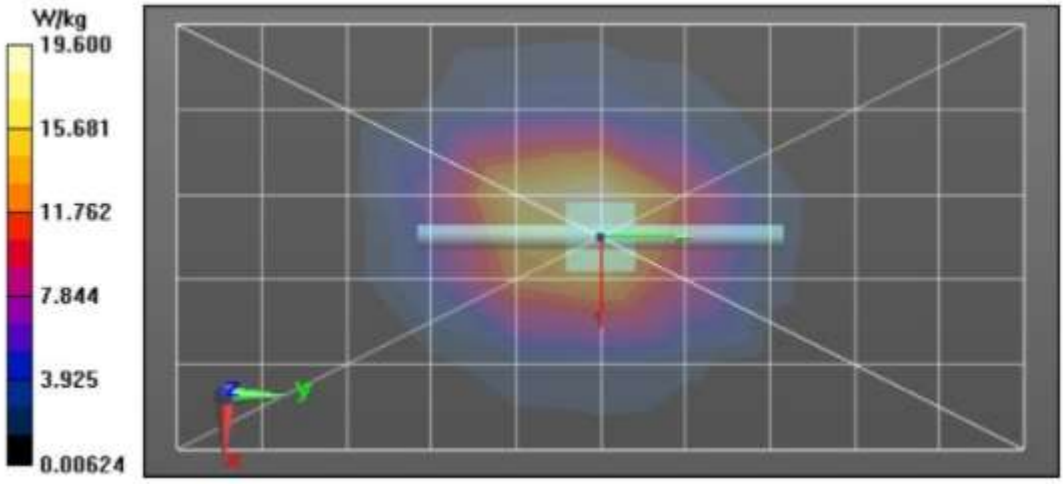
grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 117.9 V/m; Power Drift = -0.20 dB
Fast SAR: SAR(1 g) = 14.6 W/kg; SAR(10 g) = 6.89 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 25.0 W/kg

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

grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 117.9 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 30.2 W/kg
SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.15 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 9.8 mm
Ratio of SAR at M2 to SAR at M1 = 45.5%
Maximum value of SAR (measured) = 23.9 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: 11/13/2021 10:12:18 AM

Robot#: DASY5-PG-3 | Run#:	MA(BAD)-SYSP-2450H-211113-10
Dipole Model#	D2450V2
Phantom#:	ELI4 1022
Tissue Temp:	21.0 (C)
Serial#:	782
Test Freq:	2450.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.1 dB
Adjusted SAR (1W):	56.40 mW/g (1g)

Comments:

Communication System Band: Dipole 2450, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: f = 2450 MHz; σ = 1.88 S/m; ε_r = 35.8; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 2450 MHz, ConvF(7.83, 7.83, 7.83) @ 2450 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (51x101x1): Interpolated

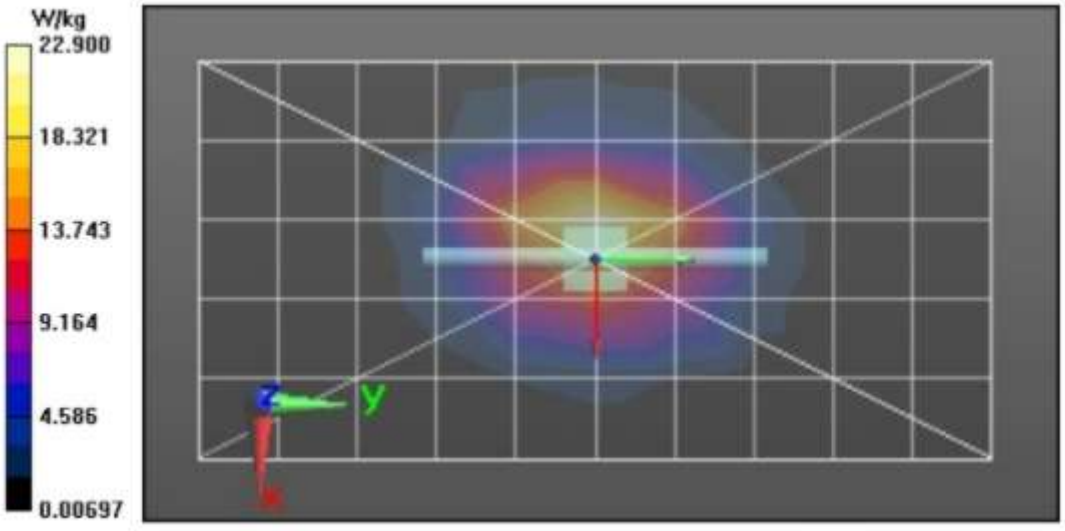
grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 120.1 V/m; Power Drift = -0.12 dB
Fast SAR: SAR(1 g) = 15.2 W/kg; SAR(10 g) = 7.15 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 25.6 W/kg

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

grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 120.1 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 31.8 W/kg
SAR(1 g) = 14.1 W/kg; SAR(10 g) = 6.51 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 9.1 mm
Ratio of SAR at M2 to SAR at M1 = 45.9%
Maximum value of SAR (measured) = 25.3 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) = 25.3 W/kg



Appendix E
DUT Scans

Assessment for LMR Body - Table 19

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/10/2021 2:22:41 AM

Robot#: DASY5-PG-2 | Run#: AF-AB-211210-03#
Model#: H98SDD9PW5BN (PMUE4975C)
Phantom#: ELI4 1108
Tissue Temp: 20.0 (C)
Serial#: 481TXV0563
Antenna: FAF5260A
Test Freq: 450.0000 (MHz)
Battery: PMNN4403B
Carry Acc: PMLN5657B w/ RLN6487A & RLN6488A
Audio Acc: NNTN8203A
Start Power: 5.60 (W)

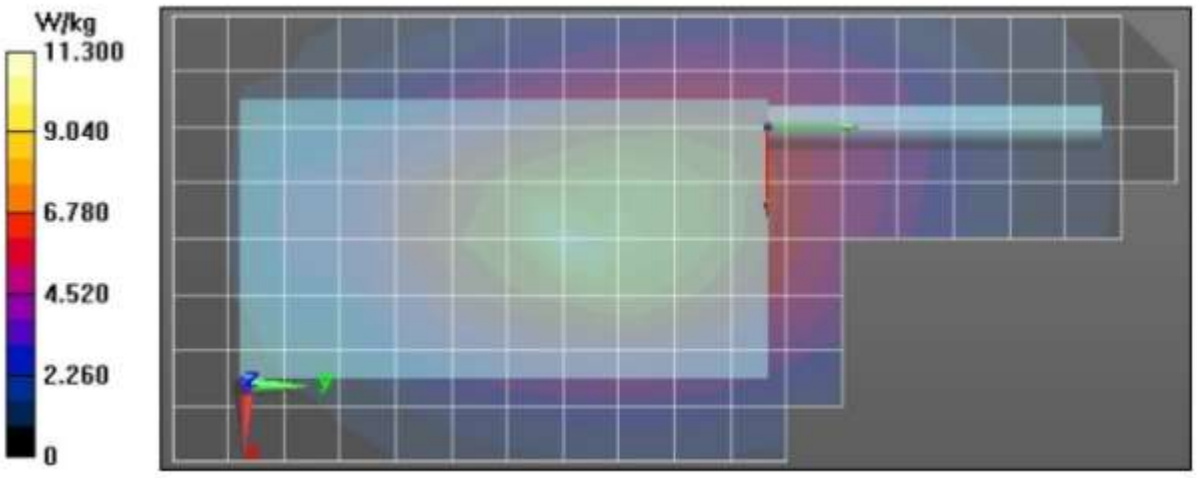
Comments:

Communication System Band: APX6000 UHF, 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 - SN7534, Calibrated: 4/19/2021, Frequency: 450 MHz, ConvF(11.86, 11.86, 11.86) @ 450 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 86.50 V/m; Power Drift = -0.34 dB
Fast SAR: SAR(1 g) = 8.82 W/kg; SAR(10 g) = 6.03 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 (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 86.50 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 13.5 W/kg
SAR(1 g) = 7.75 W/kg; SAR(10 g) = 5.6 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 = 56.1%
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) = 11.0 W/kg



Assessment for LMR Face - Table 20

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/9/2021 8:50:11 PM

Robot#: DASY5-PG-2 | Run#: AF-FACE-211209-14
Model#: H98SDD9PW5BN (PMUE4975C)
Phantom#: ELI4 1108
Tissue Temp: 19.9 (C)
Serial#: 481TXV0563
Antenna: FAF5260A
Test Freq: 465.5000 (MHz)
Battery: PMNN4485A
Carry Acc: @front
Audio Acc: NONE
Start Power: 5.60 (W)

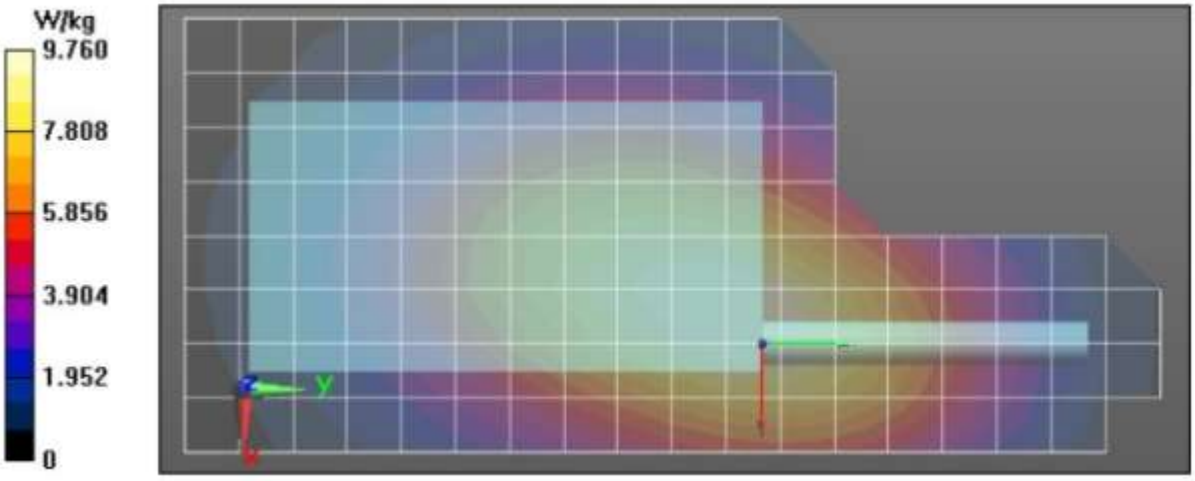
Comments:

Communication System Band: APX6000 UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 466 MHz; σ = 0.91 S/m; ε_r = 42.6; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 465.5 MHz, ConvF(11.65, 11.65, 11.65) @ 465.5 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (81x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 101.8 V/m; Power Drift = -0.07 dB
Fast SAR: SAR(1 g) = 8.12 W/kg; SAR(10 g) = 5.95 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 9.98 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 = 101.8 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 11.1 W/kg
SAR(1 g) = 7.79 W/kg; SAR(10 g) = 5.8 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 = 70.4%
Maximum value of SAR (measured) = 9.82 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) = 9.84 W/kg



Assessment for WLAN Body - Table 22

Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/20/2021 5:35:54 AM

Robot#: DASY5-PG-03 | Run#:	AR-AB-211120-05
Model#:	H98SDD9PW5BN (PMUE4975C)
Phantom#:	ELI4 1028
Tissue Temp:	22.7 (C)
Serial#:	481TXV0563
Antenna:	84009370002 WiFi Ant
Test Freq:	2462.0000 (MHz)
Battery:	PMNN4403B
Carry Acc:	PMLN5657B w/AY000223A01
Audio Acc:	None
Start Power:	0.0458 (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 = 2 S/m; ε_r = 48.7; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 2462 MHz, ConvF(7.82, 7.82, 7.82) @ 2462 MHz

Electronics: DAE3 Sn374, Calibrated: 4/8/2021

2-3 GHz-Rev.3/Ab Scan/1-Area Scan (101x231x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 1.300 V/m; Power Drift = -0.67 dB

Fast SAR: SAR(1 g) = 0.020 W/kg; SAR(10 g) = 0.011 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0333 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 = 1.300 V/m; Power Drift = -0.24 dB

Peak SAR (extrapolated) = 0.0350 W/kg

SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.010 W/kg (SAR corrected for target medium)

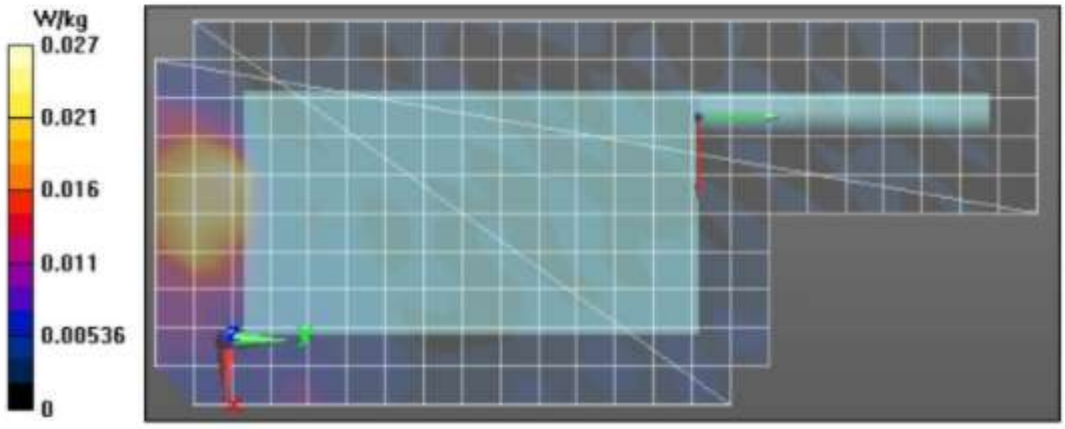
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 52.7%

Maximum value of SAR (measured) = 0.0286 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) = 0.0279 W/kg



Assessment for WLAN Face - Table 22

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/13/2021 2:21:43 PM

Robot#: DASY5-PG-3 | Run#: MA(BAD)-FACE-211113-13
Model#: H98SDD9PW5BN (PMUE4975C)
Phantom#: ELI4 1022
Tissue Temp: 21.3 (C)
Serial#: 481TXV0563
Antenna: 84009370002 WiFi Ant
Test Freq: 2412.0000 (MHz)
Battery: PMNN4485A
Carry Acc: Radio front @ 2.5cm
Audio Acc: None
Start Power: 0.0466 (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 = 1.84 S/m; ε_r = 36; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 2412 MHz, ConvF(7.83, 7.83, 7.83) @ 2412 MHz

Electronics: DAE3 Sn374, Calibrated: 4/8/2021

2-3 GHz-Rev.3/Face Scan/1-Area Scan (101x231x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 9.109 V/m; Power Drift = -0.47 dB

Fast SAR: SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.106 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.275 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 = 9.109 V/m; Power Drift = -0.45 dB

Peak SAR (extrapolated) = 0.329 W/kg

SAR(1 g) = 0.185 W/kg; SAR(10 g) = 0.107 W/kg (SAR corrected for target medium)

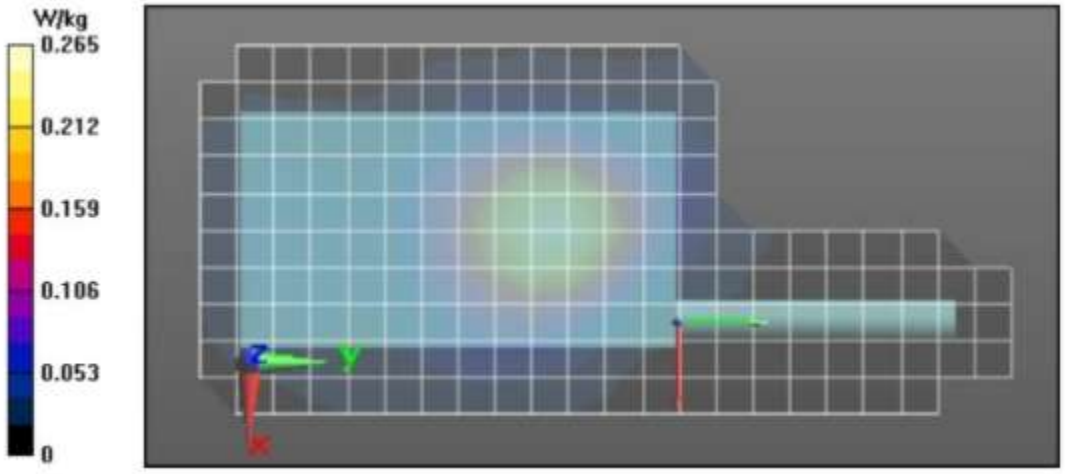
Smallest distance from peaks to all points 3 dB below = 21.9 mm

Ratio of SAR at M2 to SAR at M1 = 54.7%

Maximum value of SAR (measured) = 0.275 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) = 0.277 W/kg



Appendix F

Shorten Scan of Highest SAR Configuration.

Table 23

Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/10/2021 3:38:29 AM

Robot#: DASY5-PG-2 | Run#: AF-AB-211210-05#
Model#: H98SDD9PW5BN (PMUE4975C)
Phantom#: ELI4 1108
Tissue Temp: 20.2 (C)
Serial#: 481TXV0563
Antenna: FAF5260A
Test Freq: 450.0000 (MHz)
Battery: PMNN4403B
Carry Acc: PMLN5657B w/ RLN6487A & RLN6488A
Audio Acc: NNTN8203A
Start Power: 5.60 (W)

Comments:

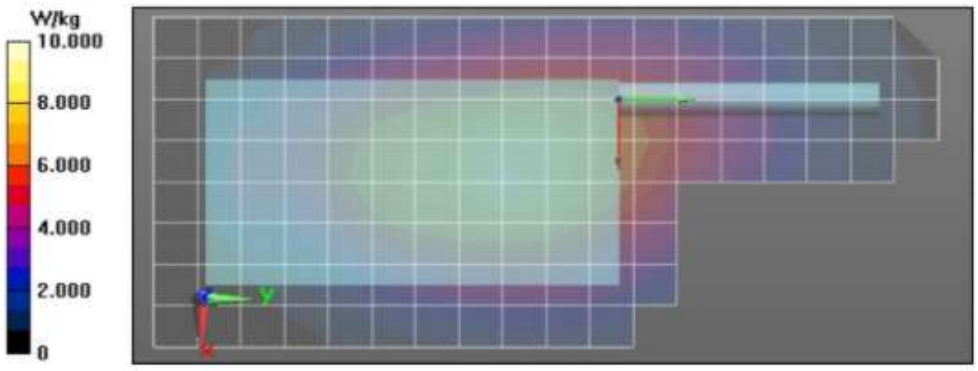
Communication System Band: APX6000 UHF, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 450 MHz; σ = 0.93 S/m; ε_r = 55; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 450 MHz, ConvF(11.86, 11.86, 11.86) @ 450 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 87.91 V/m; Power Drift = -0.20 dB
Fast SAR: SAR(1 g) = 8.09 W/kg; SAR(10 g) = 5.77 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 10.1 W/kg

Below 2 GHz-Rev.3/Ab Scan/2-Volume Scan 2D (41x41x1): Interpolated grid: dx=0.7500 mm, dy=0.7500 mm, dz=1.000 mm
Reference Value = 87.91 V/m; Power Drift = -0.20 dB
Fast SAR: SAR(1 g) = 8.1 W/kg; SAR(10 g) = 5.8 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 10.1 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 = 106.8 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 12.8 W/kg
SAR(1 g) = 8 W/kg; SAR(10 g) = 5.85 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) = 10.9 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) = 10.5 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	4.07
Full scan (area & zoom)	19	32	3.99

APPENDIX G
DUT Test Position Photos

1.0 Highest SAR Test Position per body location

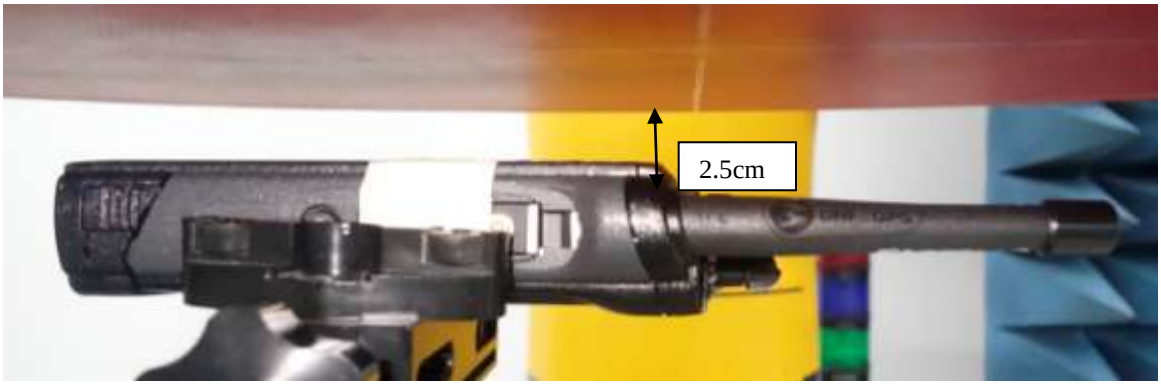
1.1 Body

DUT with antenna FAF5260A with offered battery PMNN4403B and body worn PMLN5657B w/ RLN6487A & RLN6488A against the phantom with an audio NNTN8203A accessory attached.

Antenna kit #	Separation Distances (mm)		
	@ bottom surface of DUT	@ base of antenna	@ tip of antenna
FAF5260A	0	55	77

1.2 Face

Front of DUT with antenna FAF5260A with offered battery PMNN4485A separated 2.5cm from the phantom without an audio accessory attached.



Antenna kit #	Separation Distances (mm)		
	@ bottom surface of DUT	@ base of antenna	@ tip of antenna
FAF5260A	26	35	38

APPENDIX H
DUT, Body worn and audio accessories Photos

Please refer to original filing report