MOTOROLA SOLUTIONS

SAMM 826

CERTIFICATE 2518.05

DECLARATION OF COMPLIANCE SAR ASSESSMENT of 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: 07/22/2024
Report Revision: C

Responsible Engineer:	Yeng Yee Yeong (EME Engineer)
Report Author:	Yeng Yee Yeong (EME Engineer)
Date/s Tested:	03/19/2024-03/23/2024, 04/24/2024, 05/06/2024-05/11/2024, 05/13/2024-05/18/2024, 05/30/2024, 06/14/2024-06/15/2024
Manufacturer:	Motorola Solutions Malaysia Sdn. Bhd.
Manufacturer Location:	Plot 2A, Medan Bayan Lepas Mukim, 12 SWD, 11900 Bayan Lepas, Penang, Malaysia
DUT Description:	Handheld Portable – MOTOTRBO R7 403-512M 4W TIA NKP BT WIFI GPS ENABLED GOB MOTOTRBO R7 403-512M 4W TIA FKP BT WIFI GPS ENABLED GOB
Test TX mode(s):	Refer table 3 (Part 1 of 2)
Max. Power output:	Refer table 3 (Part 1 of 2)
Nominal Power:	Refer table 3 (Part 1 of 2)
Tx Frequency Bands:	Refer table 3 (Part 1 of 2)
Signaling type:	Refer table 3 (Part 1 of 2)
Model(s) Tested:	AAH06RDC9RA1AN (PMUE5723DBA) (IC Model: PMUE5723ABA); AAH06RDN9RA1AN (PMUE5722DBB) (IC Model: PMUE5722ABB)
Model(s) Certified: (HVIN/PMN)	Refer 1.0 Introduction (Part 1 of 2)
Serial Number(s):	865EADC410, 865EAD9549, 865EADL063
Classification:	Occupational/Controlled Environment
Firmware Version (FVIN):	D02.24.02.0078
Applicant Name:	Motorola Solutions Inc.
Applicant Address:	Plot 2A, Medan Bayan Lepas, Mukim 12 SWD, 11900 Bayan Lepas, Penang, Malaysia
FCC ID:	AZ489FT7143 This report contains results that are immaterial for FCC equipment approval, Which are clearly identified.
FCC Test Firm Registration Number:	823256
IC:	109U-89FT7143 This report contains results that are immaterial for ISED equipment approval, which are clearly identified.
ISED Test Site registration:	24843

The test results clearly demonstrate compliance with Occupational/Controlled Environment 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 (Approval Signatory)
Approved Date: 07/22/2024

APPENDIX E
System Verification Check Scans

Motorola Solutions, EME Laboratory

2024-05-15, 08:14

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D450V3 - SN1077	450.0	HSL	23.98	5.1	7.1

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	15		CW, 0--	450.0, 0	11.12	0.874	42.1

Hardware Setup

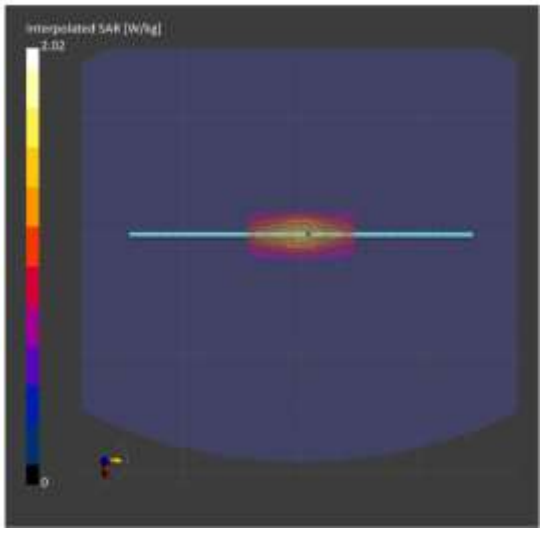
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1037	HSL450 , 2024-May-15	EX3DV4 - SN7816, 2023-10-06	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-15, 08:14	2024-05-15, 08:22
psSAR1g [W/Kg]	1.33	1.22
psSAR10g [W/Kg]	0.933	0.825
Power Drift [dB]	0.03	-0.09
TSL Correction	Positive / Negative	Positive / Negative



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/18/2024 9:49:39 PM

Robot#: DASY5-PG-1 | Run#:	AR-SYSP-2450H-240318-01
Dipole Model#	D2450V2
Phantom#:	ELI4 1103
Tissue Temp:	20.4 (C)
Serial#:	781
Test Freq:	2450.0000 (MHz)
Start Power:	31.6 (mW)
Rotation (1D):	0.12 dB
Adjusted SAR (1W):	52.53 mW/g (1g)

Comments:

Communication System Band: D2450, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 2450 MHz; σ = 1.877 S/m; ε_r = 42.435; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7594, Calibrated: 12/7/2023, Frequency: 2450 MHz, ConvF(7.52, 7.52, 7.52) @ 2450 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

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

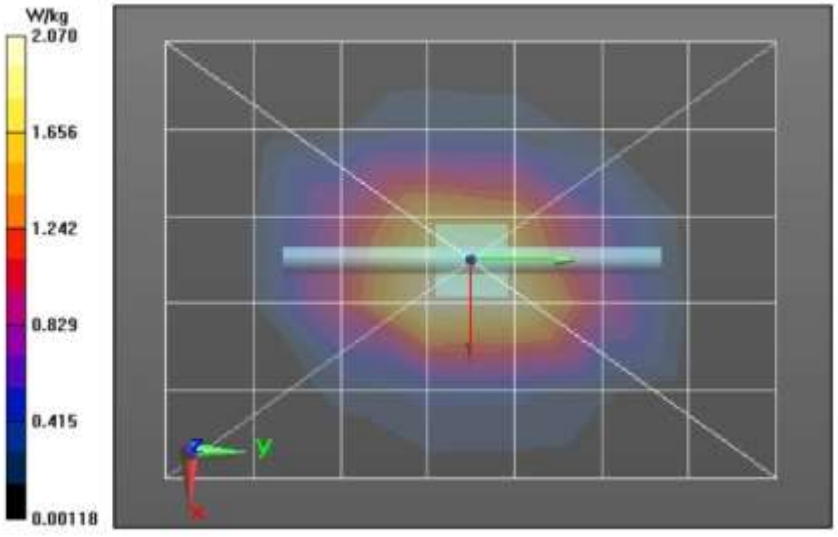
dx=1.200 mm, dy=1.200 mm
Reference Value = 40.00 V/m; Power Drift = -0.07 dB
Fast SAR: SAR(1 g) = 1.7 W/kg; SAR(10 g) = 0.778 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.91 W/kg

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

grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 40.00 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 3.42 W/kg
SAR(1 g) = 1.66 W/kg; SAR(10 g) = 0.781 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 = 49.5%
Maximum value of SAR (measured) = 2.77 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) = 2.76 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/21/2024 8:30:21 AM

Robot#: DASY5-PG-1 | Run#: BL-SYSP-5600H-240321-03
Dipole Model# D5GHzV2
Phantom#: ELI4 1103
Tissue Temp: 20.1 (C)
Serial#: 1026
Test Freq: 5600.0000 (MHz)
Start Power: 100 (mW)
Rotation (1D): 0.2 dB
Adjusted SAR (1W): 75.70 mW/g (1g)

Comments:
Communication System Band: D5GHz, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 5600 MHz; σ = 5.525 S/m; ε_r = 37.835; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7594, Calibrated: 12/7/2023, Frequency: 5600 MHz, ConvF(4.64, 4.64, 4.64) @ 5600 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

4-6 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated grid:

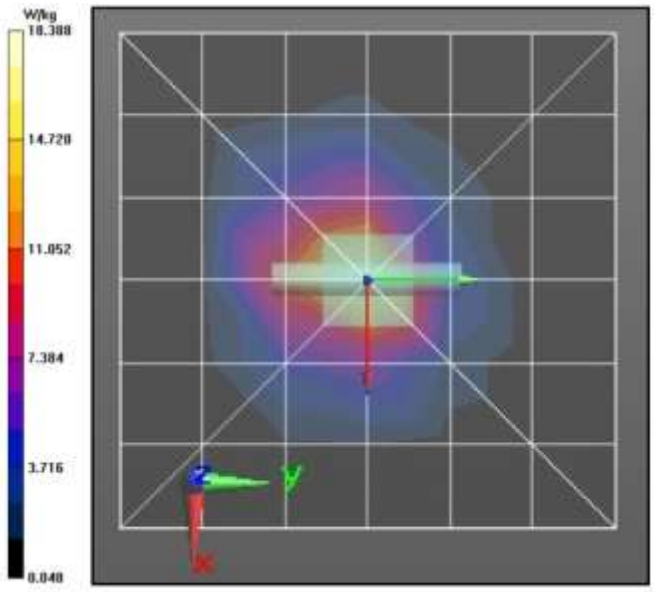
dx=0.9000 mm, dy=0.9000 mm
Reference Value = 65.41 V/m; Power Drift = -0.05 dB
Fast SAR: SAR(1 g) = 7.38 W/kg; SAR(10 g) = 2 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 19.8 W/kg

4-6 GHz-Rev.5/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid:

dx=4mm, dy=4mm, dz=2mm
Reference Value = 65.41 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 34.8 W/kg
SAR(1 g) = 7.57 W/kg; SAR(10 g) = 2.13 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 7.4 mm
Ratio of SAR at M2 to SAR at M1 = 49.8%
Maximum value of SAR (measured) = 18.3 W/kg

4-6 GHz-Rev.5/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:

dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 19.8 W/kg



APPENDIX F
DUT Scans

Highest SAR at FCC LMR Body

Table 18

Motorola Solutions, EME Laboratory

2024-05-07, 15:41

Measurement Report for PMUE5722DBB, 865EADL063,BACK, D450, CW, Channel 50 (450.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
PMUE5722DBB	865EADL063	136.0 x 65.0 x 40.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	D450	CW, 0--	450.0, 50	11.12	0.867	42.7

Hardware Setup

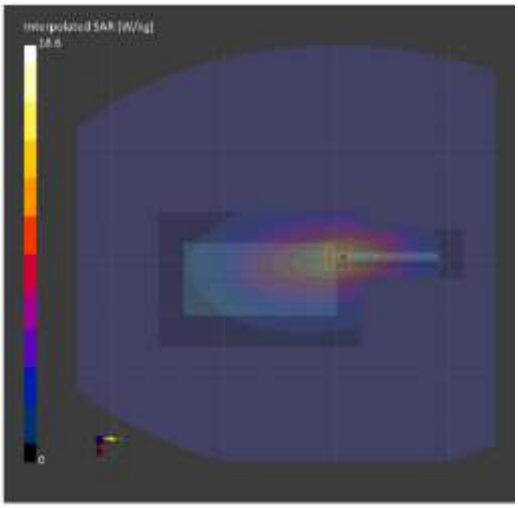
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1037	HSL450 , 2024-May-07	EX3DV4 - SN7816, 2023-10-06	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 270.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-07, 15:41	2024-05-07, 15:50
psSAR1g [W/Kg]	12.5	12.2
psSAR10g [W/Kg]	9.04	8.75
Power Drift [dB]	-0.13	-0.28
TSL Correction	Positive only	Positive only
M2/M1 [%]		86.4
Dist 3dB Peak [mm]		> 15.0



Highest SAR at FCC LMR Face

Table 27

Measurement Report for PMUE5722DBB, 865EADL063,FRONT, D450, CW, Channel 50 (450.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
PMUE5722DBB	865EADL063	136.0 x 65.0 x 43.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 25.00	D450	CW, 0--	450.0, 50	11.12	0.877	42.0

Hardware Setup

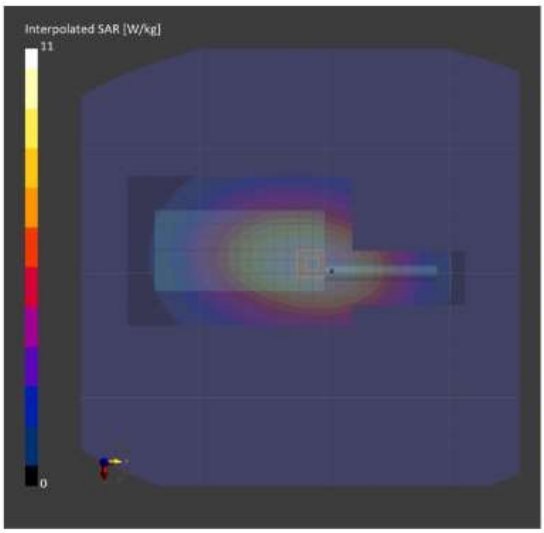
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1037	HSL450 , 2024-May-17	EX3DV4 - SN7816, 2023-10-06	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 270.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-18, 00:58	2024-05-18, 01:09
psSAR1g [W/Kg]	7.80	7.79
psSAR10g [W/Kg]	5.72	5.96
Power Drift [dB]	-0.03	-0.18
TSL Correction	Positive only	Positive only
M2/M1 [%]		88.5
Dist 3dB Peak [mm]		> 15.0



Highest SAR at ISED LMR Body (406.1-430MHz)

Table 34

Motorola Solutions, EME Laboratory

2024-05-17, 16:50

Measurement Report for PMUE5722D8B, 865EADL063,BACK, D450, CW, Channel 30 (430.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
PMUE5722D8B	865EADL063	136.0 x 65.0 x 38.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	D450	CW, 0--	430.0, 30	11.12	0.860	42.4

Hardware Setup

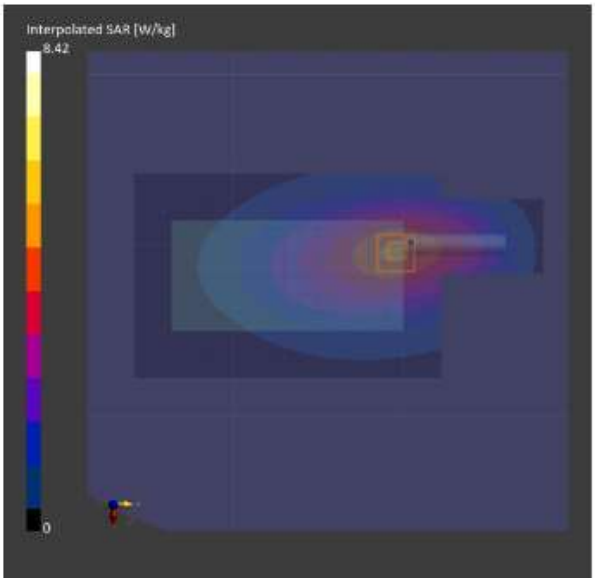
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1037	HSL450 , 2024-May-17	EX3DV4 - SN7816, 2023-10-06	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 240.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-17, 16:50	2024-05-17, 17:00
psSAR1g [W/Kg]	4.51	5.66
psSAR10g [W/Kg]	3.25	4.15
Power Drift [dB]	0.97	0.85
TSL Correction	Positive only	Positive only
M2/M1 [%]		86.7
Dist 3dB Peak [mm]		> 15.0



Highest SAR at ISED LMR Body (450-470MHz)

Table 34

Motorola Solutions, EME Laboratory

2024-05-07, 15:41

Measurement Report for PMUE5722DBB, 865EADL063,BACK, D450, CW, Channel 50 (450.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
PMUE5722DBB	865EADL063	136.0 x 65.0 x 40.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	D450	CW, 0--	450.0, 50	11.12	0.867	42.7

Hardware Setup

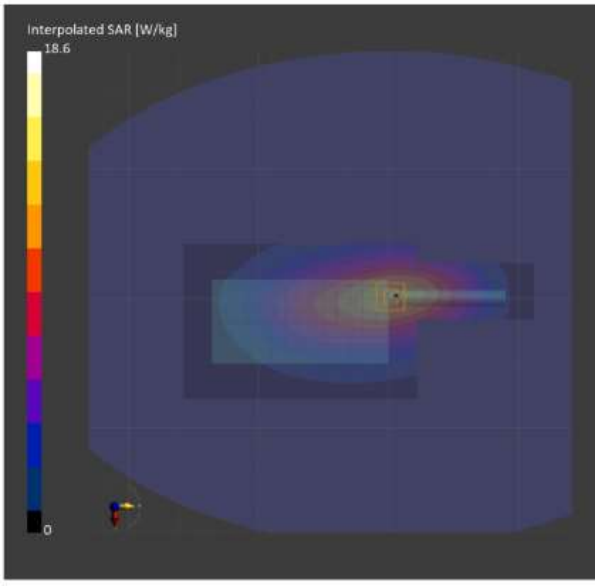
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1037	HSL450 , 2024-May-07	EX3DV4 - SN7816, 2023-10-06	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 270.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-07, 15:41	2024-05-07, 15:50
psSAR1g [W/Kg]	12.5	12.2
psSAR10g [W/Kg]	9.04	8.75
Power Drift [dB]	-0.13	-0.28
TSL Correction	Positive only	Positive only
M2/M1 [%]		86.4
Dist 3dB Peak [mm]		> 15.0



Highest SAR at ISED LMR Face (406.1-430MHz)

Table 34

Motorola Solutions, EME Laboratory

2024-05-18, 02:02

Measurement Report for PMUE5722DBB, 865EADL063,FRONT, D450, CW, Channel 30 (430.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
PMUE5722DBB	865EADL063	136.0 x 65.0 x 43.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 25.00	D450	CW, 0--	430.0, 30	11.12	0.860	42.4

Hardware Setup

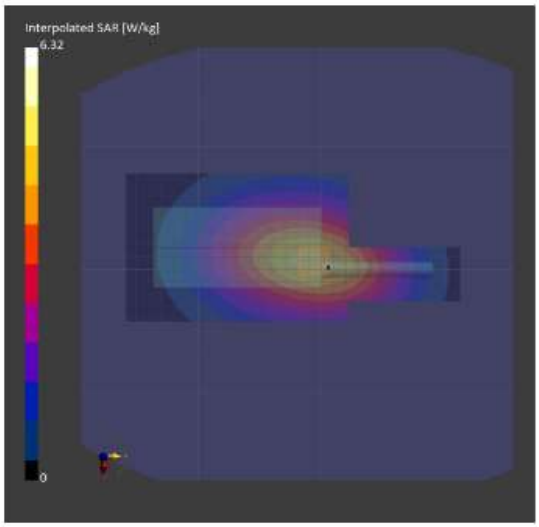
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1037	HSL450 , 2024-May-17	EX3DV4 - SN7816, 2023-10-06	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 270.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-18, 02:02	2024-05-18, 02:12
psSAR1g [W/Kg]	4.48	4.49
psSAR10g [W/Kg]	3.29	3.44
Power Drift [dB]	-0.06	-0.19
TSL Correction	Positive only	Positive only
M2/M1 [%]		88.3
Dist 3dB Peak [mm]		> 15.0



Highest SAR at ISED LMR Face (450-470MHz)

Table 34

Motorola Solutions, EME Laboratory

2024-05-18, 02:33

Measurement Report for PMUE5722D8B, 865EADL063,FRONT, Custom Band, CW, Channel 457900 (457.9 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
PMUE5722D8B	865EADL063	136.0 x 65.0 x 43.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 25.00	Custom Band	CW, 0--	457.9, 457900	11.12	0.884	41.9

Hardware Setup

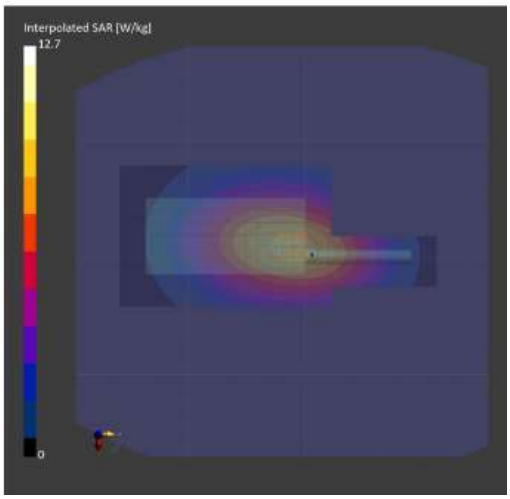
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1037	HSL450 , 2024-May-17	EX3DV4 - SN7816, 2023-10-06	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 270.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-18, 02:33	2024-05-18, 02:44
psSAR1g [W/Kg]	8.98	8.93
psSAR10g [W/Kg]	6.58	6.82
Power Drift [dB]	-0.08	-0.30
TSL Correction	Positive only	Positive only
M2/M1 [%]		88.1
Dist 3dB Peak [mm]		> 15.0



Highest LMR SAR at Outside FCC Frequency Range Body

Table 35

Motorola Solutions, EME Laboratory

2024-05-18, 14:20

Measurement Report for PMUE5722DBB, 865EADL063,BACK, Custom Band, CW, Channel 527000 (527.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
PMUE5722DBB	865EADL063	136.0 x 65.0 x 38.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	Custom Band	CW, 0--	527.0, 527000	11.12	0.907	41.2

Hardware Setup

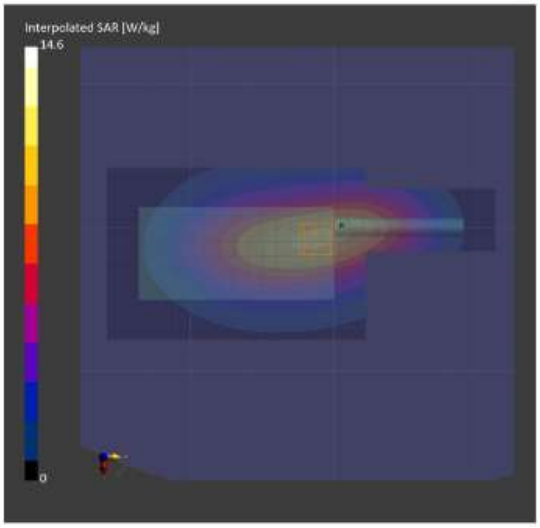
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1016	HSL450 , 2024-May-18	EX3DV4 - SN7816, 2023-10-06	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 270.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-18, 14:20	2024-05-18, 14:31
psSAR1g [W/Kg]	10.2	9.78
psSAR10g [W/Kg]	7.33	7.13
Power Drift [dB]	-0.19	-0.48
TSL Correction	Positive only	Positive only
M2/M1 [%]		86.6
Dist 3dB Peak [mm]		> 15.0



Highest LMR SAR at Outside FCC Frequency Range Face

Table 35

Motorola Solutions, EME Laboratory

2024-05-18, 23:31

Measurement Report for PMUE5722D8B, 865EADL063,FRONT, Custom Band, CW, Channel 527000 (527.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
PMUE5722D8B	865EADL063	136.0 x 65.0 x 38.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 25.00	Custom Band	CW, 0--	527.0, 527000	11.12	0.907	41.2

Hardware Setup

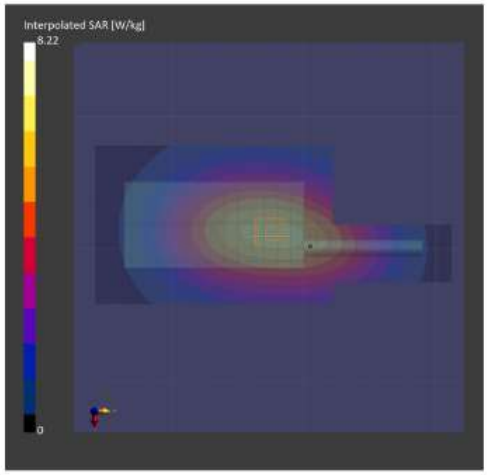
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1016	HSL450 , 2024-May-18	EX3DV4 - SN7816, 2023-10-06	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 270.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-18, 23:31	2024-05-18, 23:41
psSAR1g [W/Kg]	5.81	5.72
psSAR10g [W/Kg]	4.24	4.32
Power Drift [dB]	-0.10	-0.29
TSL Correction	Positive only	Positive only
M2/M1 [%]		87.8
Dist 3dB Peak [mm]		> 15.0



Highest SAR at FCC/ISED WLAN 2.4GHz Body

Table 29 & 34

Motorola Solutions, Inc. EME Laboratory
Date/Time: 3/19/2024 12:04:59 AM

Robot#: DASY5-PG-1 | Run#: AR-AB-240319-01#
Model#: PMUE5723D
Phantom#: ELI4 1103
Tissue Temp: 20.7 (C)
Serial#: 865EADC410
Antenna: AN000389A01
Test Freq: 2412.0000 (MHz)
Battery: PMNN4807A
Carry Acc: HLN6602A
Audio Acc: None
Start Power: 0.0259 (W)

Comments: Softpot 15

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

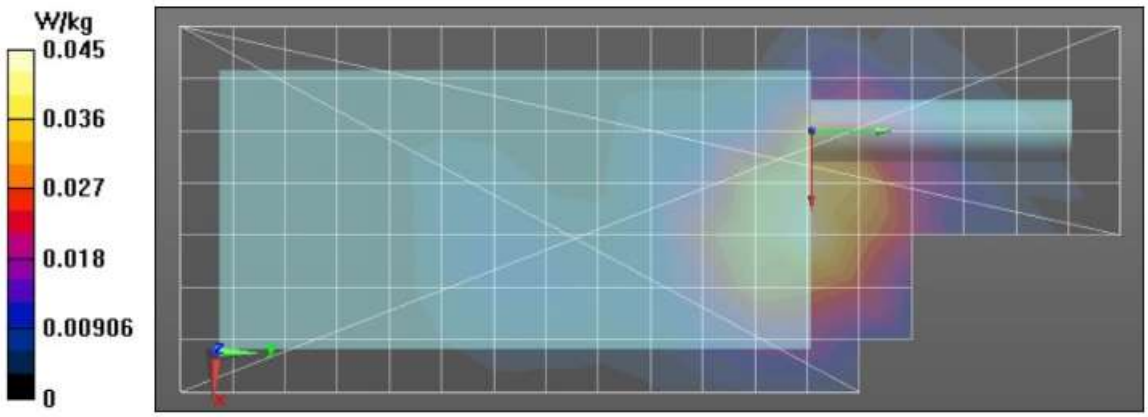
Medium parameters used: f = 2412 MHz; σ = 1.843 S/m; ε_r = 42.506; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7594, Calibrated: 12/7/2023, Frequency: 2412 MHz, ConvF(7.52, 7.52, 7.52) @ 2412 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

2-3 GHz-Rev.3/Ab Scan/1-Area Scan (71x181x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.095 V/m; Power Drift = -0.17 dB
Fast SAR: SAR(1 g) = 0.031 W/kg; SAR(10 g) = 0.018 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.0533 W/kg

2-3 GHz-Rev.3/Ab Scan/3-Zoom Scan (10x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.095 V/m; Power Drift = -0.24 dB
Peak SAR (extrapolated) = 0.0590 W/kg
SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.019 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 = 53.5%
Maximum value of SAR (measured) = 0.0484 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) = 0.0474 W/kg



Highest SAR at FCC/ISED WLAN 2.4GHz Face

Table 29 & 34

Motorola Solutions, Inc. EME Laboratory
Date/Time: 3/19/2024 3:09:42 PM

Robot#: DASY5-PG-1 | Run#: EMR-FACE-240319-10@
Model#: PMUE5723D
Phantom#: ELI4 1103
Tissue Temp: 20.9 (C)
Serial#: 865EADC410
Antenna: AN000389A01
Test Freq: 2462.0000 (MHz)
Battery: PMNN4810A
Carry Acc: None
Audio Acc: None
Start Power: 0.0233 (W)

Comments: Softpot 15

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

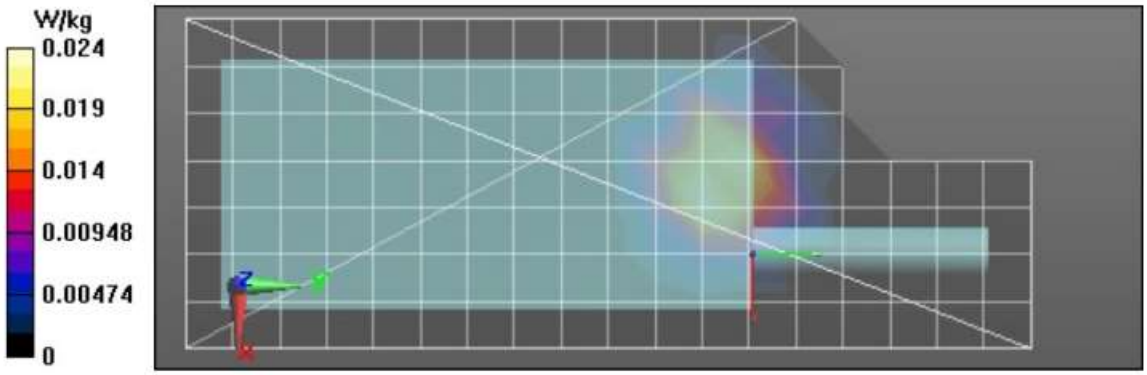
Medium parameters used: f = 2462 MHz; σ = 1.888 S/m; ε_r = 42.413; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7594, Calibrated: 12/7/2023, Frequency: 2462 MHz, ConvF(7.52, 7.52, 7.52) @ 2462 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

2-3 GHz-Rev.3/Face Scan/1-Area Scan (71x181x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.199 V/m; Power Drift = -0.19 dB
Fast SAR: SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.00549 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.0402 W/kg

2-3 GHz-Rev.3/Face Scan/3-Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.199 V/m; Power Drift = -0.39 dB
Peak SAR (extrapolated) = 0.0360 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 = 51.4%
Maximum value of SAR (measured) = 0.0287 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) = 0.0268 W/kg



Highest SAR at FCC WLAN 5GHz UNII-2A Body

Table 31

Motorola Solutions, EME Laboratory

2024-06-14, 14:55

Measurement Report for AAH06RDC9RA1AN (PMUE5723DBA), 865EADC410,BACK, U-NII-1, U-NII-2A, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle), Channel 52 (5260.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH06RDC9RA1AN (PMUE5723DBA)	865EADC410	136.0 x 65.0 x 40.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	U-NII-1, U-NII-2A	WLAN, 10417-AAC	5260.0, 52	5.34	4.39	36.2

Hardware Setup

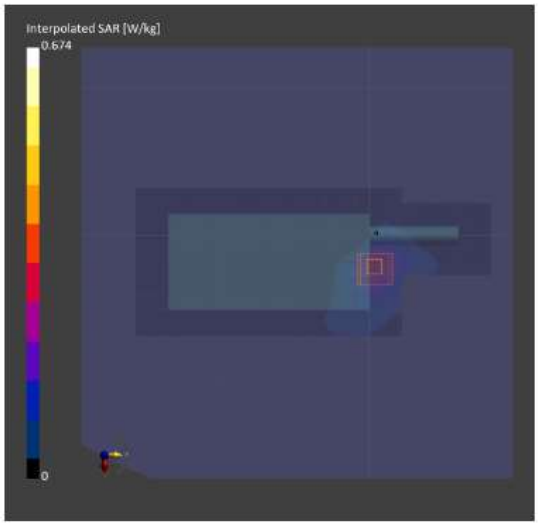
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1037	HBBL-600-10000 , 2024-Jun-14	EX3DV4 - SN7816, 2023-06-10	DAE4 Sn688, 2022-10-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 240.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-06-14, 14:55	2024-06-14, 15:09
psSAR1g [W/Kg]	0.221	0.203
psSAR10g [W/Kg]	0.092	0.083
Power Drift [dB]	-0.09	-0.23
TSL Correction	Positive only	Positive only
M2/M1 [%]		64.9
Dist 3dB Peak [mm]		12.5



Highest SAR at FCC WLAN 5GHz UNII-2A Face

Table 31

Motorola Solutions, EME Laboratory

2024-06-14, 10:48

Measurement Report for AAH06RDC9RA1AN (PMUE5723DBA), 865EADC410,FRONT, U-NII-1, U-NII-2A, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle), Channel 64 (5320.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH06RDC9RA1AN (PMUE5723DBA)	865EADC410	136.0 x 65.0 x 40.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 25.00	U-NII-1, U-NII-2A	WLAN, 10417-AAC	5320.0, 64	5.34	4.45	36.1

Hardware Setup

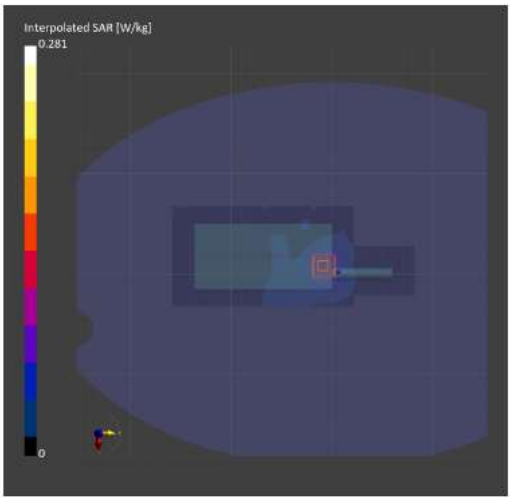
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1037	HBBL-600-10000 , 2024-Jun-14	EX3DV4 - SN7816, 2023-06-10	DAE4 Sn688, 2022-10-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 240.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-06-14, 10:48	2024-06-14, 11:07
psSAR1g [W/Kg]	0.094	0.088
psSAR10g [W/Kg]	0.040	0.037
Power Drift [dB]	-0.71	-0.31
TSL Correction	Positive only	Positive only
M2/M1 [%]		67.5
Dist 3dB Peak [mm]		15.1



Highest SAR at ISED WLAN 5GHz UNII-2A Body

Table 34

Motorola Solutions, EME Laboratory

2024-06-14, 16:09

Measurement Report for AAH06RDC9RA1AN (PMUE5723DBA), 865EADC410,BACK, U-NII-1, U-NII-2A, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle), Channel 64 (5320.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH06RDC9RA1AN (PMUE5723DBA)	865EADC410	136.0 x 65.0 x 40.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	U-NII-1, U-NII-2A	WLAN, 10417-AAC	5320.0, 64	5.34	4.45	36.1

Hardware Setup

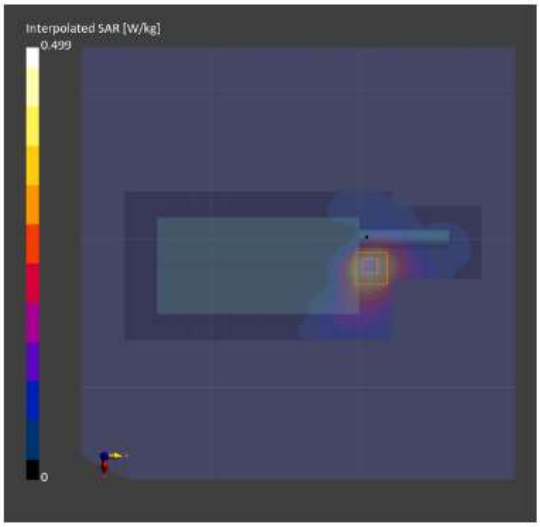
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1037	HBBL-600-10000 , 2024-Jun-14	EX3DV4 - SN7816, 2023-06-10	DAE4 Sn688, 2022-10-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 240.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-06-14, 16:09	2024-06-14, 16:28
psSAR1g [W/Kg]	0.163	0.157
psSAR10g [W/Kg]	0.069	0.065
Power Drift [dB]	-0.19	-0.41
TSL Correction	Positive only	Positive only
M2/M1 [%]		67.5
Dist 3dB Peak [mm]		13.3



Highest SAR at ISED WLAN 5GHz UNII-2A Face

Table 34

Motorola Solutions, EME Laboratory

2024-06-14, 10:48

Measurement Report for AAH06RDC9RA1AN (PMUE5723DBA), 865EADC410,FRONT, U-NII-1, U-NII-2A, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle), Channel 64 (5320.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH06RDC9RA1AN (PMUE5723DBA)	865EADC410	136.0 x 65.0 x 40.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 25.00	U-NII-1, U-NII-2A	WLAN, 10417-AAC	5320.0, 64	5.34	4.45	36.1

Hardware Setup

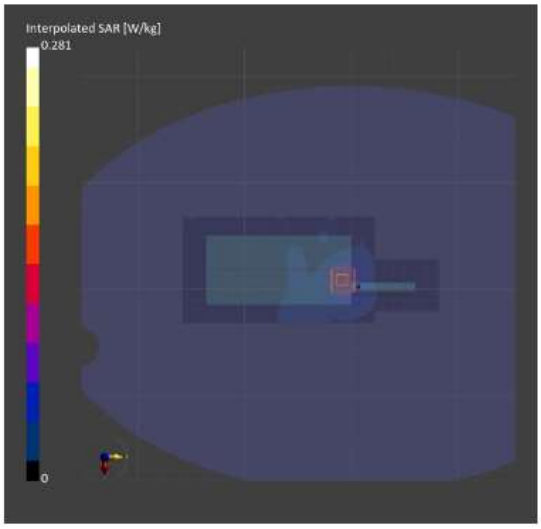
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1037	HBBL-600-10000 , 2024-Jun-14	EX3DV4 - SN7816, 2023-06-10	DAE4 Sn688, 2022-10-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 240.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-06-14, 10:48	2024-06-14, 11:07
psSAR1g [W/Kg]	0.094	0.088
psSAR10g [W/Kg]	0.040	0.037
Power Drift [dB]	-0.71	-0.31
TSL Correction	Positive only	Positive only
M2/M1 [%]		67.5
Dist 3dB Peak [mm]		15.1



Highest SAR at FCC WLAN 5GHz UNII-2C Body

Table 32

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/22/2024 1:55:15 AM

Robot#: DASY5-PG-3 | Run#: AR-AB-240322-02@
Model#: PMUE5722D
Phantom#: ELI4 1103
Tissue Temp: 20.1 (C)
Serial#: 865EAD9549
Antenna: AN000389A01
Test Freq: 5640.0000 (MHz)
Battery: PMNN4809A
Carry Acc: HLN6602A
Audio Acc: None
Start Power: 0.0281 (W)

Comments: Softpot 15

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10417 - AAD, Duty Cycle: 1:6.64967,

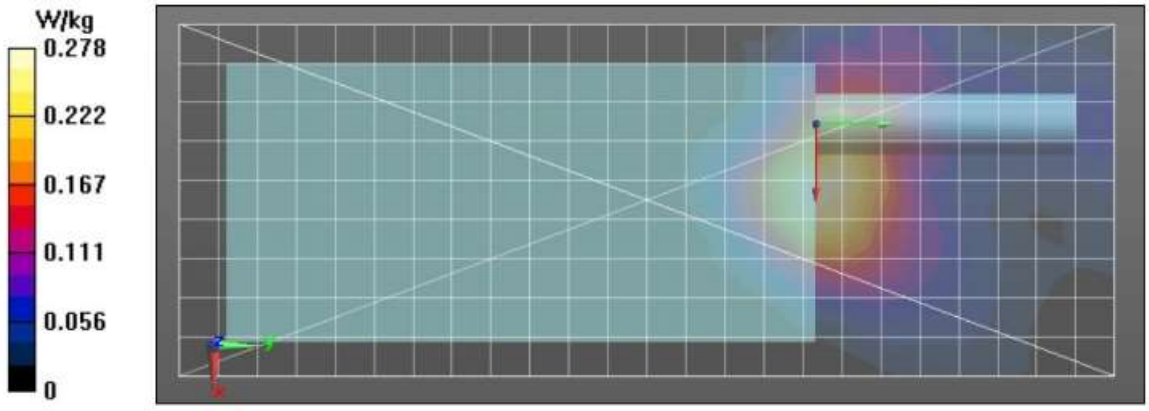
Medium parameters used: f = 5640 MHz; σ = 5.578 S/m; ε_r = 37.737; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7594, Calibrated: 12/7/2023, Frequency: 5640 MHz, ConvF(4.64, 4.64, 4.64) @ 5640 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

4-6 GHz-Rev.5/Full Ab Scan/1-Area Scan (91x241x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm
Reference Value = 7.272 V/m; Power Drift = -0.16 dB
Fast SAR: SAR(1 g) = 0.130 W/kg; SAR(10 g) = 0.056 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.288 W/kg

4-6 GHz-Rev.5/Full Ab Scan/2-Zoom Scan (9x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 7.272 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.452 W/kg
SAR(1 g) = 0.131 W/kg; SAR(10 g) = 0.053 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 13 mm
Ratio of SAR at M2 to SAR at M1 = 51.2%
Maximum value of SAR (measured) = 0.292 W/kg

4-6 GHz-Rev.5/Full Ab Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.299 W/kg



Highest SAR at FCC WLAN 5GHz UNII-2C Face

Table 32

Motorola Solutions, Inc. EME Laboratory
Date/Time: 3/21/2024 1:36:33 PM

Robot#: DASY5-PG-1 | Run#: BL-FACE-240321-06
Model#: PMUE5723D
Phantom#: ELI4 1103
Tissue Temp: 20.4 (C)
Serial#: 865EADC410
Antenna: AN000389A01
Test Freq: 5640.0000 (MHz)
Battery: PMNN4808A
Carry Acc: None
Audio Acc: None
Start Power: 0.0281 (W)

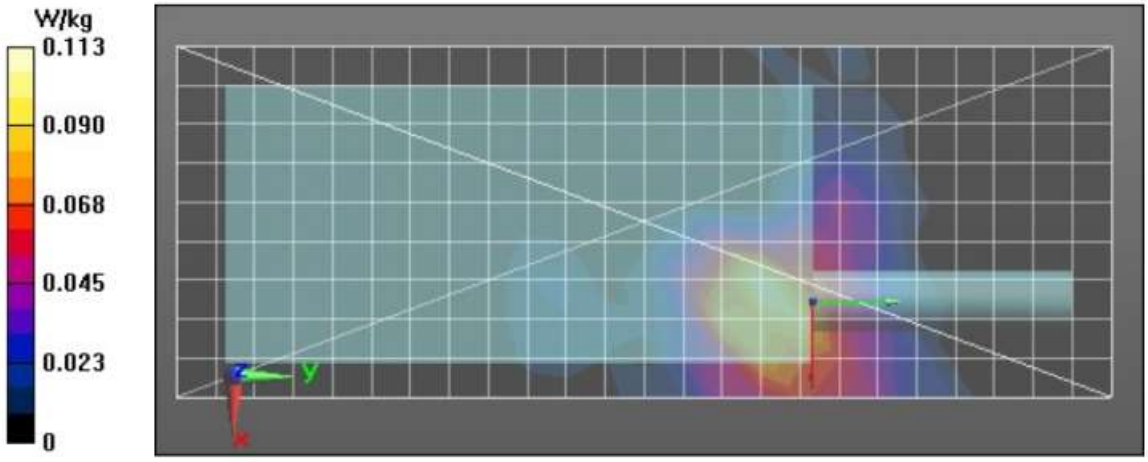
Comments: 802.11a - U-NII-2C Softpot 15

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10417 - AAD, Duty Cycle: 1:6.64967,
Medium parameters used: f = 5640 MHz; σ = 5.578 S/m; ε_r = 37.737; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7594, Calibrated: 12/7/2023, Frequency: 5640 MHz, ConvF(4.64, 4.64, 4.64) @ 5640 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

4-6 GHz-Rev.5/Full Face Scan/1-Area Scan (91x241x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm
Reference Value = 5.000 V/m; Power Drift = -0.28 dB
Fast SAR: SAR(1 g) = 0.053 W/kg; SAR(10 g) = 0.021 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.132 W/kg

4-6 GHz-Rev.5/Full Face Scan/2-Zoom Scan (9x12x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 5.000 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 0.426 W/kg
SAR(1 g) = 0.037 W/kg; SAR(10 g) = 0.014 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 5.6 mm
Ratio of SAR at M2 to SAR at M1 = 44.7%
Maximum value of SAR (measured) = 0.118 W/kg

4-6 GHz-Rev.5/Full Face Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.102 W/kg



Highest SAR at ISED WLAN 5GHz UNII-2C Body

Table 34

Motorola Solutions, Inc. EME Laboratory
Date/Time: 3/22/2024 12:12:18 AM

Robot#: DASY5-PG-3 | Run#: AR-AB-240322-01@
Model#: PMUE5722D
Phantom#: ELI4 1103
Tissue Temp: 20.1 (C)
Serial#: 865EAD9549
Antenna: AN000389A01
Test Freq: 5580.0000 (MHz)
Battery: PMNN4809A
Carry Acc: HLN6602A
Audio Acc: None
Start Power: 0.0275 (W)

Comments: Softpot 15

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10417 - AAD, Duty Cycle: 1:6.64967,

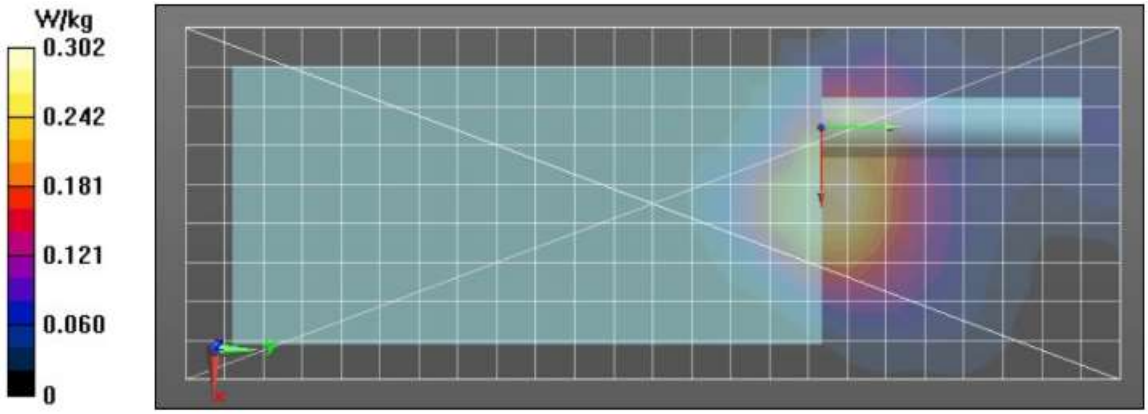
Medium parameters used: f = 5580 MHz; σ = 5.499 S/m; ε_r = 37.872; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7594, Calibrated: 12/7/2023, Frequency: 5580 MHz, ConvF(4.64, 4.64, 4.64) @ 5580 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

4-6 GHz-Rev.5/Full Ab Scan/1-Area Scan (91x241x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm
Reference Value = 7.709 V/m; Power Drift = -0.23 dB
Fast SAR: SAR(1 g) = 0.139 W/kg; SAR(10 g) = 0.060 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.307 W/kg

4-6 GHz-Rev.5/Full Ab Scan/2-Zoom Scan (9x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 7.709 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.496 W/kg
SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.061 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 13.8 mm
Ratio of SAR at M2 to SAR at M1 = 52.5%
Maximum value of SAR (measured) = 0.326 W/kg

4-6 GHz-Rev.5/Full Ab Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.332 W/kg



Highest SAR at ISED WLAN 5GHz UNII-2C Face

Table 34

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/22/2024 5:03:09 PM

Robot#: DASY5-PG-1 | Run#: BL-FACE-240322-07
Model#: PMUE5722D
Phantom#: ELI4 1103
Tissue Temp: 20.2 (C)
Serial#: 865EAD9549
Antenna: AN000389A01
Test Freq: 5500.0000 (MHz)
Battery: PMNN4808A
Carry Acc: None
Audio Acc: None
Start Power: 0.0183 (W)

Comments: Softpot 13

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10417 - AAD, Duty Cycle: 1:6.64967,

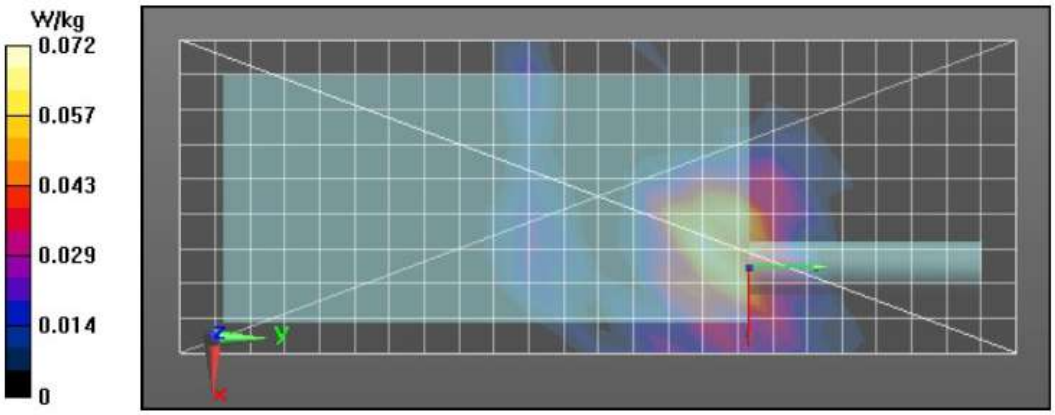
Medium parameters used: f = 5500 MHz; σ = 5.322 S/m; ε_r = 37.202; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7594, Calibrated: 12/7/2023, Frequency: 5500 MHz, ConvF(4.79, 4.79, 4.79) @ 5500 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

4-6 GHz-Rev.5/Full Face Scan/1-Area Scan (91x241x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm
Reference Value = 3.317 V/m; Power Drift = 0.09 dB
Fast SAR: SAR(1 g) = 0.044 W/kg; SAR(10 g) = 0.00925 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.222 W/kg

4-6 GHz-Rev.5/Full Face Scan/2-Zoom Scan (9x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.317 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.299 W/kg
SAR(1 g) = 0.024 W/kg; SAR(10 g) = 0.00956 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 = 39.1%
Maximum value of SAR (measured) = 0.0780 W/kg

4-6 GHz-Rev.5/Full Face Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.0667 W/kg



Highest SAR at FCC WLAN 5GHz UNII-3 Body

Table 33

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/23/2024 9:51:12 AM

Robot#: DASY5-PG-1 | Run#: BL-AB-240323-06
Model#: PMUE5722D
Phantom#: ELI4 1103
Tissue Temp: 20.1 (C)
Serial#: 865EAD9549
Antenna: AN000389A01
Test Freq: 5660.0000 (MHz)
Battery: PMNN4809A
Carry Acc: HLN6602A
Audio Acc: None
Start Power: 0.0281 (W)

Comments: Softpot 15

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10417 - AAD, Duty Cycle: 1:6.64967,

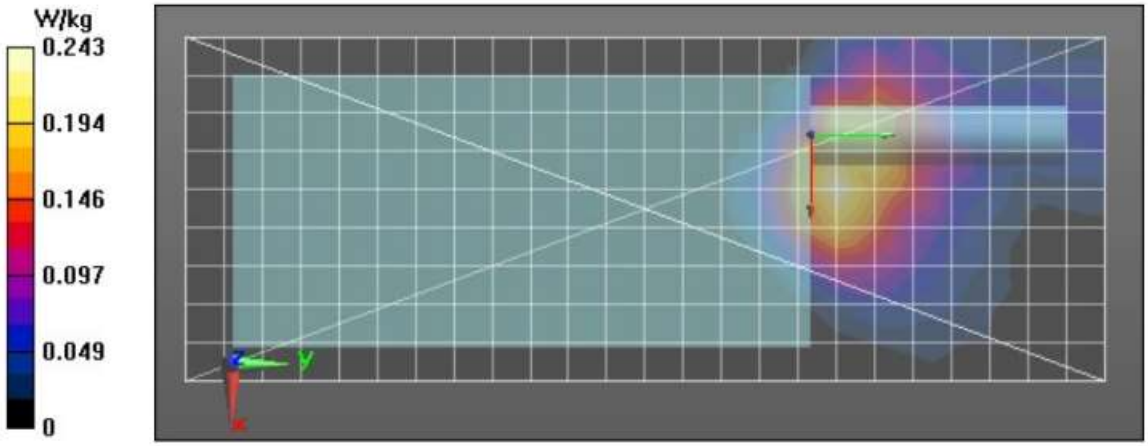
Medium parameters used: f = 5660 MHz; σ = 5.395 S/m; ε_r = 37.016; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7594, Calibrated: 12/7/2023, Frequency: 5660 MHz, ConvF(4.64, 4.64, 4.64) @ 5660 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

4-6 GHz-Rev.5/Full Ab Scan/1-Area Scan (91x241x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm
Reference Value = 7.324 V/m; Power Drift = -0.16 dB
Fast SAR: SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.049 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.304 W/kg

4-6 GHz-Rev.5/Full Ab Scan/2-Zoom Scan (11x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 7.324 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.459 W/kg
SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.041 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 11.8 mm
Ratio of SAR at M2 to SAR at M1 = 50.9%
Maximum value of SAR (measured) = 0.246 W/kg

4-6 GHz-Rev.5/Full Ab Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.168 W/kg



Highest SAR at FCC WLAN 5GHz UNII-3 Face

Table 33

Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/24/2024 8:47:53 PM

Robot#: DASY5-PG-1 | Run#: AR-FACE-240424-11
Model#: PMUE5723D
Phantom#: ELI4 1103
Tissue Temp: 21.8 (C)
Serial#: 865EADC410
Antenna: AN000389A01
Test Freq: 5745.0000 (MHz)
Battery: PMNN4810A
Carry Acc: None
Audio Acc: None
Start Power: 0.0276 (W)

Comments: Softpot 14

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10417 - AAD, Duty Cycle: 1:6.64967,

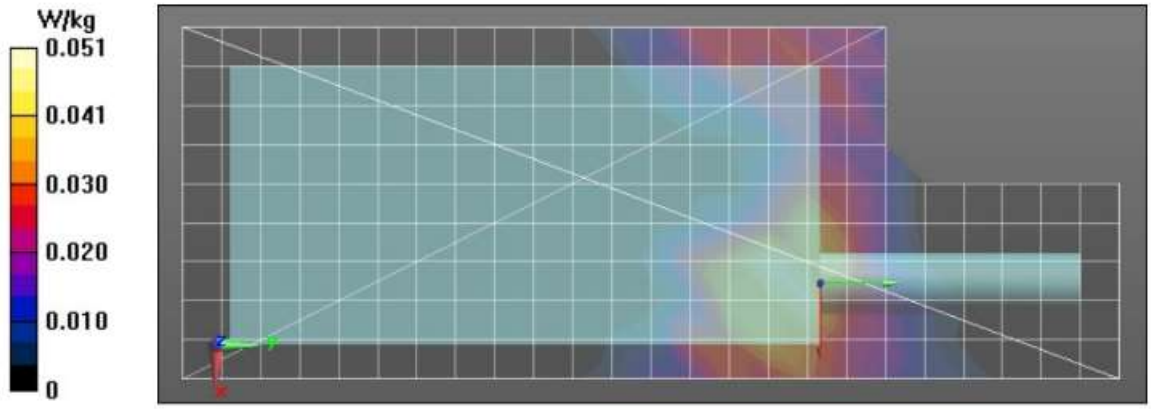
Medium parameters used: f = 5745 MHz; σ = 5.114 S/m; ε_r = 35.747; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7594, Calibrated: 12/7/2023, Frequency: 5745 MHz, ConvF(4.85, 4.85, 4.85) @ 5745 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

4-6 GHz-Rev.5/Full Face Scan/1-Area Scan (91x241x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm
Reference Value = 3.410 V/m; Power Drift = -0.79 dB
Fast SAR: SAR(1 g) = 0.022 W/kg; SAR(10 g) = 0.00794 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.0911 W/kg

4-6 GHz-Rev.5/Full Face Scan/2-Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.410 V/m; Power Drift = -0.45 dB
Peak SAR (extrapolated) = 0.237 W/kg
SAR(1 g) = 0.018 W/kg; SAR(10 g) = 0.00754 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 = 37.4%
Maximum value of SAR (measured) = 0.0530 W/kg

4-6 GHz-Rev.5/Full Face Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.0463 W/kg



Highest SAR at ISED WLAN 5GHz UNII-3 Body

Table 34

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/23/2024 9:51:12 AM

Robot#: DASY5-PG-1 | Run#: BL-AB-240323-06
Model#: PMUE5722D
Phantom#: ELI4 1103
Tissue Temp: 20.1 (C)
Serial#: 865EAD9549
Antenna: AN000389A01
Test Freq: 5660.0000 (MHz)
Battery: PMNN4809A
Carry Acc: HLN6602A
Audio Acc: None
Start Power: 0.0281 (W)

Comments: Softpot 15

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10417 - AAD, Duty Cycle: 1:6.64967,

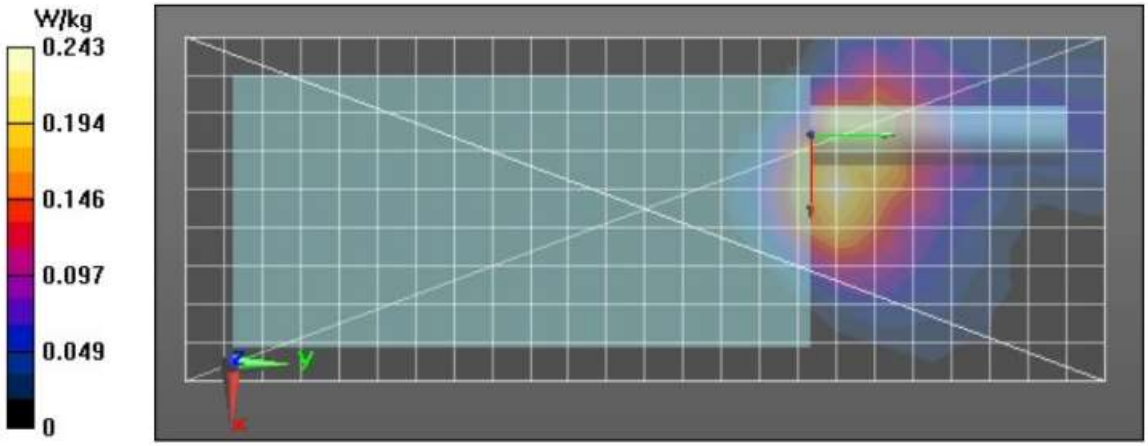
Medium parameters used: f = 5660 MHz; σ = 5.395 S/m; ε_r = 37.016; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7594, Calibrated: 12/7/2023, Frequency: 5660 MHz, ConvF(4.64, 4.64, 4.64) @ 5660 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

4-6 GHz-Rev.5/Full Ab Scan/1-Area Scan (91x241x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm
Reference Value = 7.324 V/m; Power Drift = -0.16 dB
Fast SAR: SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.049 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.304 W/kg

4-6 GHz-Rev.5/Full Ab Scan/2-Zoom Scan (11x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 7.324 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.459 W/kg
SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.041 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 11.8 mm
Ratio of SAR at M2 to SAR at M1 = 50.9%
Maximum value of SAR (measured) = 0.246 W/kg

4-6 GHz-Rev.5/Full Ab Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.168 W/kg



Highest SAR at ISED WLAN 5GHz UNII-3 Face

Table 34

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/22/2024 11:59:26 PM

Robot#: DASY5-PG-1 | Run#: EMR-FACE-240322-10
Model#: PMUE5722D
Phantom#: ELI4 1103
Tissue Temp: 20.1 (C)
Serial#: 865EADC410
Antenna: AN000389A01
Test Freq: 5660.0000 (MHz)
Battery: PMNN4810A
Carry Acc: None
Audio Acc: None
Start Power: 0.0281 (W)

Comments: Softpot 15

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10417 - AAD, Duty Cycle: 1:6.64967,

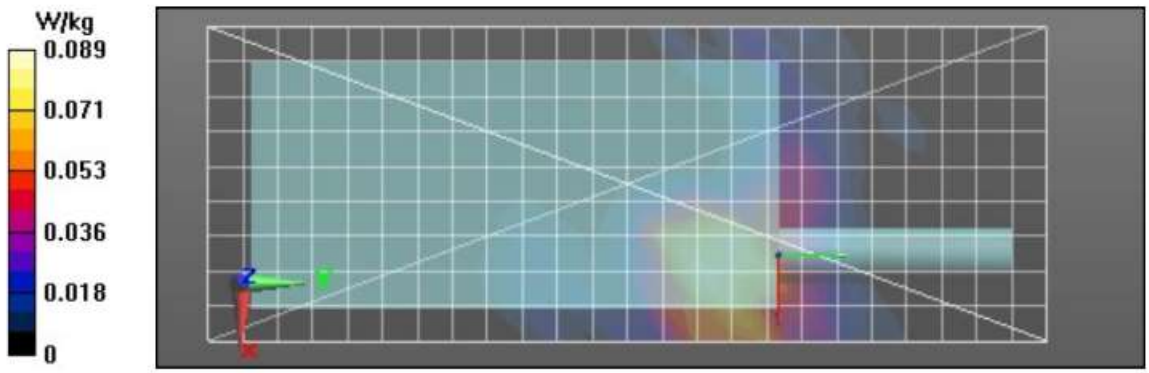
Medium parameters used: f = 5660 MHz; σ = 5.531 S/m; ε_r = 36.853; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7594, Calibrated: 12/7/2023, Frequency: 5660 MHz, ConvF(4.64, 4.64, 4.64) @ 5660 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

4-6 GHz-Rev.5/Full Face Scan/1-Area Scan (91x241x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm
Reference Value = 4.796 V/m; Power Drift = -0.19 dB
Fast SAR: SAR(1 g) = 0.044 W/kg; SAR(10 g) = 0.018 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.109 W/kg

4-6 GHz-Rev.5/Full Face Scan/2-Zoom Scan (9x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 4.796 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.217 W/kg
SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.013 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 = 45%
Maximum value of SAR (measured) = 0.0985 W/kg

4-6 GHz-Rev.5/Full Face Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.0714 W/kg



APPENDIX G
Shorten Scan of Highest SAR Configuration

Table 36

Motorola Solutions, EME Laboratory

2024-05-19, 10:49

Measurement Report for PMUE5722DBB, 865EADL063,BACK, D450, CW, Channel 50 (450.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
PMUE5722DBB	865EADL063	136.0 x 65.0 x 38.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	D450	CW, 0--	450.0, 50	11.12	0.853	42.6

Hardware Setup

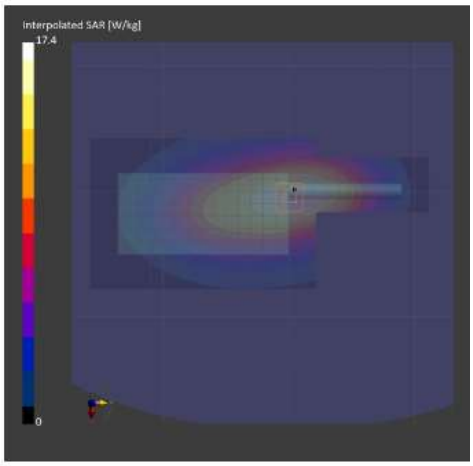
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1037	HSL450 , 2024-May-19	EX3DV4 - SN7816, 2023-10-06	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 270.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-05-19, 10:49	2024-05-19, 11:00
psSAR1g [W/Kg]	11.8	11.6
psSAR10g [W/Kg]	8.47	8.34
Power Drift [dB]	-0.02	-0.06
TSL Correction	Positive only	Positive only
M2/M1 [%]		86.1
Dist 3dB Peak [mm]		> 15.0



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)	36	10	5.92
Full Scan (Area & Zoom)	18	16	6.53

APPENDIX H

DUT Test Position Photos

Photos available in Exhibit 7B

APPENDIX I

DUT, Body worn and audio accessories Photos

Photos available in Exhibit 7B