



**DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2**

<b>Motorola Solutions Inc.</b> <b>EME Test Laboratory</b> Motorola Solutions Malaysia Sdn Bhd Plot 2A, Medan Bayan Lepas, Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.	<b>Date of Report:</b> 04/10/2025 <b>Report Revision:</b> E
--	--

<b>Responsible Engineer:</b> <b>Report Author:</b> <b>Date/s Tested:</b> <b>Test Location:</b> <b>Manufacturer:</b> <b>Manufacturer Location:</b>  <b>DUT Description:</b> <b>Test TX mode(s):</b> <b>Max. Power output:</b> <b>Tx Frequency Bands:</b> <b>Signaling type:</b> <b>Model(s) Tested:</b> <b>Model(s) Certified:</b> (HVIN/PMN) <b>Serial Number(s):</b> <b>Classification:</b> <b>Applicant Name:</b> <b>Applicant Address:</b>  <b>Firmware Version (FVIN):</b> <b>FCC ID:</b>  <b>FCC Test Firm Registration Number:</b> <b>IC:</b>  <b>ISED Test Site registration:</b>	Puteri Alifah Ilyana Binti Nor Rahim (EME Engineer) Puteri Alifah Ilyana Binti Nor Rahim (EME Engineer) 1/21/2025-1/24/2025, 1/28/2025, 2/3/2025, 2/18/2025 Penang EME Laboratory Motorola Solutions Malaysia Sdn. Bhd. Plot 2A, Medan Bayan Lepas Mukim, 12 SWD, 11900 Bayan Lepas, Penang, Malaysia Portable – Video Remote Speaker Microphone Bluetooth, Bluetooth LE, WLAN 2.4GHz and WLAN 5.0GHz Refer Table 3 (Part 1 of 2) Refer Table 3 (Part 1 of 2) Refer Table 3 (Part 1 of 2) VX650 Refer 1.0 Introduction (Part 1 of 2) 9903EBA0273, 9903EBA0069, 9903EBA0042 Occupational/Controlled Environment Motorola Solutions Inc. Plot 2A, Medan Bayan Lepas Mukim, 12 SWD, 11900 Bayan Lepas, Penang, Malaysia 24.4.0 AZ499FT7186 This report contains results that are immaterial for FCC equipment approval, which are clearly identified. 823256 109U-99FT7186 This report contains results that are immaterial for ISED equipment approval, which are clearly identified. 24843 The test results clearly demonstrate compliance with General Population/Uncontrolled Environment RF Exposure limits of 1.6 W/kg averaged over 1 gram per the requirements of FCC 47 CFR § 2.1093 and RSS-102 (Issue 6)
--	--

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. The results and statements contained in this report pertain only to the device(s) evaluated.

**Saw Sun Hock (Approval Signatory)**  
**Approved Date: 04/11/2025**

## Appendix D

### System Verification Check Scans

Motorola Solutions, EME Laboratory

2025-01-22, 20:41

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D2450V2 - SN782	2450.0	HSL	15.0	7.1	9.7

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	10		CW, 0--	2450.000, 0	7.74	1.81	41.4

Hardware Setup

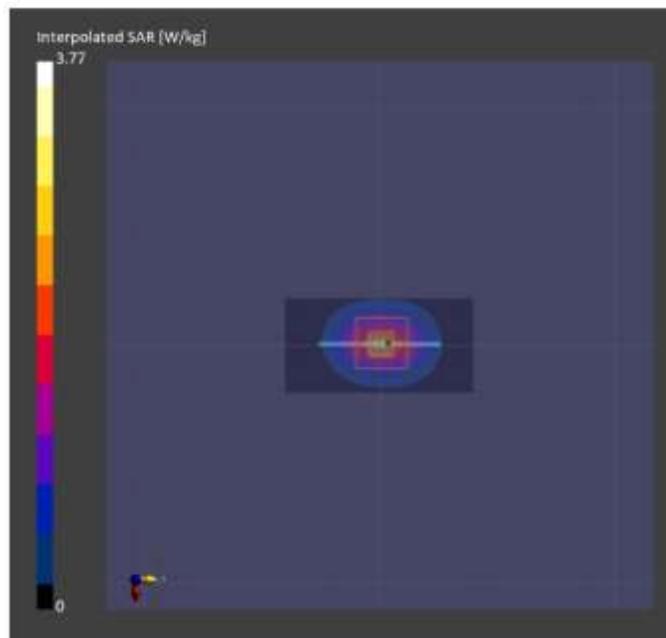
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - 1011	HBBL-600-10000, 2025-01-22	EX3DV4 - SN7534, 2024-05-24	DAE4 Sn1598, 2024-05-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 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	2025-01-22, 20:41	2025-01-22, 20:51
psSAR1g [W/Kg]	1.77	1.79
psSAR10g [W/Kg]	0.831	0.861
Power Drift [dB]	-0.06	0.00
TSL Correction	Positive / Negative	Positive / Negative



**Motorola Solutions, Inc. EME Laboratory**  
Date/Time: 2/18/2025 8:44:45 AM

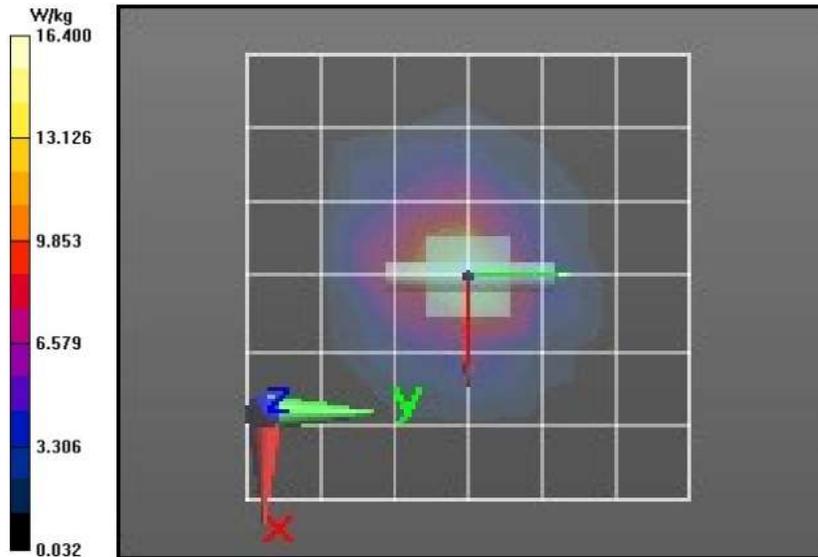
Robot#: DASY5-PG-2 | Run#: MFR-SYSP-5250H-250218-05  
 Dipole Model#: D5GHzV2  
 Phantom#: ELI4 1028  
 Tissue Temp: 20.9(C)  
 Serial#: 1026  
 Test Freq: 5250.0000 (MHz)  
 Start Power: 100(mW)  
 Rotation (1D): 0.23 dB  
 Adjusted SAR (1W): 73.10 mW/g (1g)

Comments:  
 Communication System Band: Dipole 5000, Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used: f = 5250 MHz;  $\sigma = 4.239$  S/m;  $\epsilon_r = 38.355$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN7511, Calibrated: 7/23/2024, Frequency: 5250 MHz, ConvF(5.1, 5.1, 5.1) @ 5250 MHz  
 Electronics: DAE4 Sn1294, Calibrated: 2/22/2022

**4-6 GHz-Rev.6/System Performance Check/Dipole Area Scan 2 (61x61x1):** Interpolated grid:  
 dx=0.9000 mm, dy=0.9000 mm  
 Reference Value = 71.52 V/m; Power Drift = -0.10 dB  
**Fast SAR: SAR(1 g) = 6.66 W/kg; SAR(10 g) = 1.83 W/kg** (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 17.2 W/kg

**4-6 GHz-Rev.6/System Performance Check/0-Degree Cube (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
 Reference Value = 71.52 V/m; Power Drift = -0.10 dB  
 Peak SAR (extrapolated) = 27.3 W/kg  
**SAR(1 g) = 7.31 W/kg; SAR(10 g) = 2.13 W/kg** (SAR corrected for target medium)  
 Smallest distance from peaks to all points 3 dB below = 7.2 mm  
 Ratio of SAR at M2 to SAR at M1 = 66.8%  
 Maximum value of SAR (measured) = 15.8 W/kg

**4-6 GHz-Rev.6/System Performance Check/Z-Axis Retraction (1x1x17):** Measurement grid:  
 dx=20mm, dy=20mm, dz=10mm  
 Maximum value of SAR (measured) = 17.2 W/kg



## **Appendix E**

### **DUT Scans**

### Highest SAR at FCC WLAN 2.4GHz Body

Table 18

Motorola Solutions, EME Laboratory

2025-01-21, 23:53

Measurement Report for PMMN8199A, 9903EBA0273, BACK, WLAN 2.4GHz, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), Channel 6 (2437.000 MHz)

**Device Under Test Properties**

Model	Serial Number	Dimensions [mm]
PMMN8199A	9903EBA0273	110.0 x 74.0 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, Head Simulating Liquid	BACK, 0.00	WLAN 2.4GHz	WLAN, 10415-AAA	2437.000, 6	7.74	1.78	41.4

**Hardware Setup**

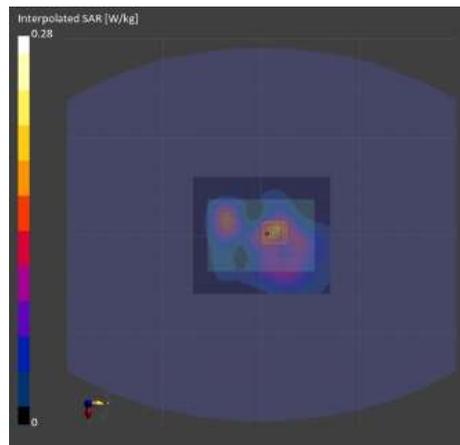
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - 1011	H8BL-600-10000, 2025-01-21	EX3DV4 - SN7534, 2024-05-24	DAE4 Sn1598, 2024-05-13

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 140.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

**Measurement Results**

	Area Scan	Zoom Scan
Date	2025-01-21, 23:53	2025-01-22, 00:04
psSAR1g [W/Kg]	0.144	0.148
psSAR10g [W/Kg]	0.077	0.079
Power Drift [dB]	-0.22	-0.15
TSL Correction	Positive only	Positive only
M2/M1 [%]		81.6
Dist 3dB Peak [mm]		10.8



### Highest SAR at ISED WLAN 2.4GHz Body

**Table 19**

Motorola Solutions, EME Laboratory

2025-01-21, 23:53

Measurement Report for PMMN8199A, 9903EBA0273, BACK, WLAN 2.4GHz, IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), Channel 6 (2437.000 MHz)

**Device Under Test Properties**

Model	Serial Number	Dimensions [mm]
PMMN8199A	9903EBA0273	110.0 x 74.0 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, Head Simulating Liquid	BACK, 0.00	WLAN 2.4GHz	WLAN, 10415-AAA	2437.000, 6	7.74	1.78	41.4

**Hardware Setup**

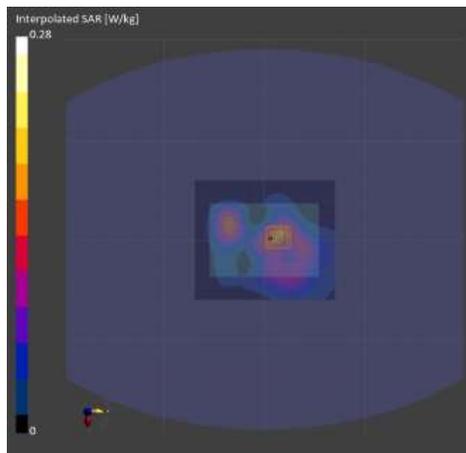
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - 1011	H8BL-600-10000 , 2025-01-21	EX3DV4 - SN7534, 2024-05-24	DAE4 Sn1598, 2024-05-13

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 140.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

**Measurement Results**

	Area Scan	Zoom Scan
Date	2025-01-21, 23:53	2025-01-22, 00:04
psSAR1g [W/Kg]	0.144	0.148
psSAR10g [W/Kg]	0.077	0.079
Power Drift [dB]	-0.22	-0.15
TSL Correction	Positive only	Positive only
M2/M1 [%]		81.6
Dist 3dB Peak [mm]		10.8



### Highest SAR at FCC WLAN 5GHz Body

**Table 21**

Motorola Solutions, EME Laboratory

2025-01-24, 02:16

Measurement Report for PMMN8199A, 9903EBA0069, BACK, WLAN 5GHz, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle), Channel 120 (5600.000 MHz)

**Device Under Test Properties**

Model	Serial Number	Dimensions [mm]
PMMN8199A	9903EBA0069	110.0 x 72.0 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, Head Simulating Liquid	BACK, 0.00	WLAN 5GHz	WLAN, 10417-AAC	5600.000, 120	4.66	4.60	33.7

**Hardware Setup**

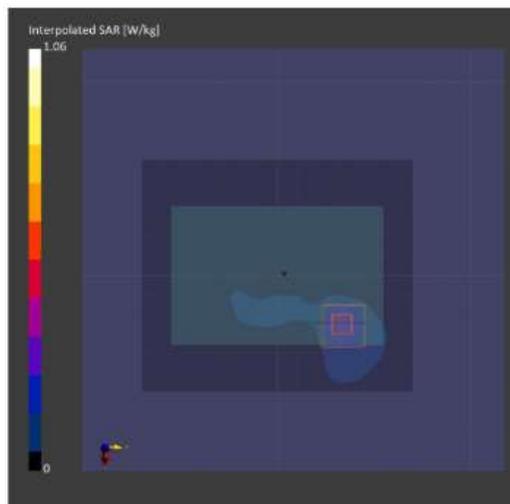
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - 1016	HBBL-600-10000 , 2025-01-23	EX3DV4 - SN7816, 2023-06-10	DAE4 Sn688, 2022-10-10

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 140.0	28.0 x 28.0 x 22.4
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	2025-01-24, 02:16	2025-01-24, 02:30
psSAR1g [W/Kg]	0.278	0.297
psSAR10g [W/Kg]	0.10	0.095
Power Drift [dB]	0.07	0.10
TSL Correction	Positive only	Positive only
M2/M1 [%]		67.4
Dist 3dB Peak [mm]		8.6



### Highest SAR at ISED WLAN 5GHz Body

Table 22

Motorola Solutions, EME Laboratory

2025-01-24, 02:16

Measurement Report for PMMN8199A, 9903EBA0069, BACK, WLAN 5GHz, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle), Channel 120 (5600.000 MHz)

**Device Under Test Properties**

Model	Serial Number	Dimensions [mm]
PMMN8199A	9903EBA0069	110.0 x 72.0 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, Head Simulating Liquid	BACK, 0.00	WLAN 5GHz	WLAN, 10417-AAC	5600.000, 120	4.66	4.60	33.7

**Hardware Setup**

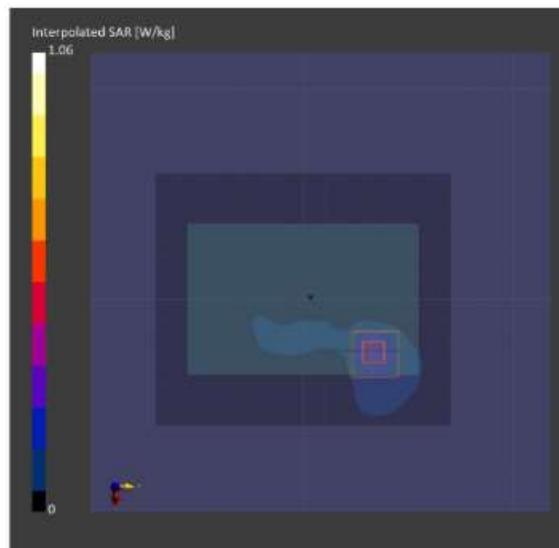
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - 1016	HBBL-600-10000 , 2025-01-23	EX3DV4 - SN7816, 2023-06-10	DAE4 Sn688, 2022-10-10

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 140.0	28.0 x 28.0 x 22.4
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	2025-01-24, 02:16	2025-01-24, 02:30
psSAR1g [W/Kg]	0.278	0.297
psSAR10g [W/Kg]	0.10	0.095
Power Drift [dB]	0.07	0.10
TSL Correction	Positive only	Positive only
M2/M1 [%]		67.4
Dist 3dB Peak [mm]		8.6



### Highest SAR at FCC BT Body

**Table 24**

Motorola Solutions, EME Laboratory

2025-01-23, 00:01

Measurement Report for PMMN8199A, 9903EBA0273, BACK, D2450, CW, Channel 2 (2402.000 MHz)

**Device Under Test Properties**

Model	Serial Number	Dimensions [mm]
PMMN8199A	9903EBA0273	110.0 x 74.0 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, Head Simulating Liquid	BACK, 0.00	D2450	CW, 0--	2402.000, 2	7.74	1.77	41.6

**Hardware Setup**

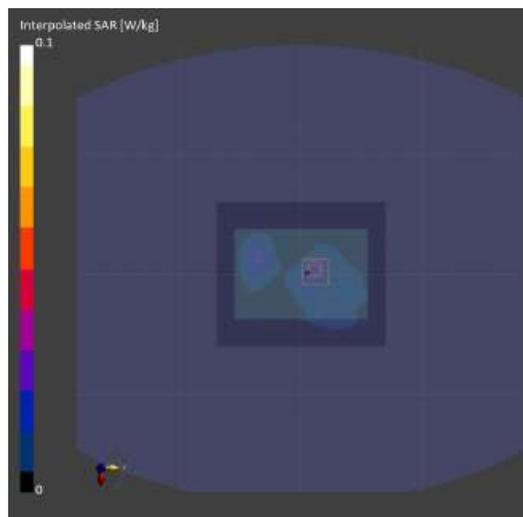
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - 1011	HBBL-600-10000 , 2025-01-22	EX3DV4 - SN7534, 2024-05-24	DAE4 Sn1598, 2024-05-13

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 140.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

**Measurement Results**

	Area Scan	Zoom Scan
Date	2025-01-23, 00:01	2025-01-23, 00:14
psSAR1g [W/Kg]	0.023	0.022
psSAR10g [W/Kg]	0.012	0.011
Power Drift [dB]	-0.10	-0.12
TSL Correction	Positive only	Positive only
M2/M1 [%]		37.4
Dist 3dB Peak [mm]		11.4



### Highest SAR at ISED BT Body

**Table 25**

Motorola Solutions, EME Laboratory

2025-02-03, 21:56

Measurement Report for PMMN8199A, 9903EBA0042, BACK, D2450, CW, Channel 41 (2441.000 MHz)

**Device Under Test Properties**

Model	Serial Number	Dimensions [mm]
PMMN8199A	9903EBA0042	110.0 x 74.0 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, Head Simulating Liquid	BACK, 0.00	D2450	CW, 0--	2441.000, 41	7.74	1.95	35.6

**Hardware Setup**

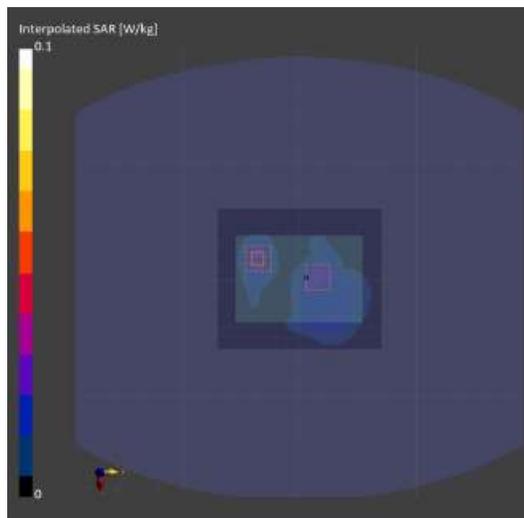
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - 1011	HBBL-600-10000 , 2025-02-03	EX3DV4 - SN7534, 2024-05-24	DAE4 Sn1598, 2024-05-13

**Scans Setup**

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 140.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

**Measurement Results**

	Area Scan	Zoom Scan
Date	2025-02-03, 21:56	2025-02-03, 22:07
psSAR1g [W/Kg]	0.027	0.025
psSAR10g [W/Kg]	0.014	0.013
Power Drift [dB]	0.04	-0.19
TSL Correction	Positive only	Positive only
M2/M1 [%]		81.3
Dist 3dB Peak [mm]		11.0



## **APPENDIX F**

### **DUT Test Position Photos**

Photos available in Exhibit 7B

## **APPENDIX G**

### **DUT, Body worn and audio accessories Photos**

Photos available in Exhibit 7B