

 MOTOROLA SOLUTIONS	    SMM 826 CERTIFICATE 2518.05																																												
DECLARATION OF COMPLIANCE SAR ASSESSMENT 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: 10/10/2024 Report Revision: B																																												
<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">Responsible Engineer:</td> <td>Yeng Yee Yeong (EME Engineer)</td> </tr> <tr> <td>Report Author:</td> <td>Yeng Yee Yeong (EME Engineer)</td> </tr> <tr> <td>Date/s Tested:</td> <td>7/18/2024-7/30/2024, 8/1/2024-8/2/2024, 8/5/2024-8/10/2024</td> </tr> <tr> <td>Manufacturer:</td> <td>Motorola Solutions Malaysia Sdn. Bhd.</td> </tr> <tr> <td>Manufacturer Location:</td> <td>Plot 2A, Medan Bayan Lepas Mukim, 12 SWD, 11900 Bayan Lepas, Penang, Malaysia</td> </tr> <tr> <td>DUT Description:</td> <td>Handheld Portable – 136-174 MHz 5W LKP DISPLAY BT/WIFI 136-174 MHz 5W NKP BT/WIFI</td> </tr> <tr> <td>Test TX mode(s):</td> <td>CW (PTT), WLAN 2.4GHz, WLAN 5GHz</td> </tr> <tr> <td>Max. Power output:</td> <td>Refer Table 3</td> </tr> <tr> <td>Tx Frequency Bands:</td> <td>Refer Table 3</td> </tr> <tr> <td>Signaling type:</td> <td>Refer Table 3</td> </tr> <tr> <td>Model(s) Tested:</td> <td>AAH07JDH9SA1AN, AAH07JDC9SA1AN</td> </tr> <tr> <td>Model(s) Certified:</td> <td>Refer 1.0 Introduction (Part 1 of 2)</td> </tr> <tr> <td>(HVIN/PMN)</td> <td></td> </tr> <tr> <td>Serial Number(s):</td> <td>651EAK0077, 651EAK0149, 651EAK0065, 174EAK0333, 174EAK0325</td> </tr> <tr> <td>Classification:</td> <td>Occupational/Controlled Environment</td> </tr> <tr> <td>Applicant Name:</td> <td>Motorola Solutions Inc.</td> </tr> <tr> <td>Applicant Address:</td> <td>Plot 2A, Medan Bayan Lepas Mukim, 12 SWD, 11900 Bayan Lepas, Penang, Malaysia</td> </tr> <tr> <td>Firmware Version (FVIN):</td> <td>B02.25.01.0019</td> </tr> <tr> <td>FCC ID:</td> <td>AZ489FT7181 This report contains results that are immaterial for FCC equipment approval, which are clearly identified.</td> </tr> <tr> <td>FCC Test Firm Registration Number:</td> <td>823256</td> </tr> <tr> <td>IC:</td> <td>109U-89FT7181 This report contains results that are immaterial for ISSED equipment approval, which are clearly identified.</td> </tr> <tr> <td>ISSED Test Site registration:</td> <td>24843</td> </tr> </table> 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 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.		Responsible Engineer:	Yeng Yee Yeong (EME Engineer)	Report Author:	Yeng Yee Yeong (EME Engineer)	Date/s Tested:	7/18/2024-7/30/2024, 8/1/2024-8/2/2024, 8/5/2024-8/10/2024	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 – 136-174 MHz 5W LKP DISPLAY BT/WIFI 136-174 MHz 5W NKP BT/WIFI	Test TX mode(s):	CW (PTT), WLAN 2.4GHz, WLAN 5GHz	Max. Power output:	Refer Table 3	Tx Frequency Bands:	Refer Table 3	Signaling type:	Refer Table 3	Model(s) Tested:	AAH07JDH9SA1AN, AAH07JDC9SA1AN	Model(s) Certified:	Refer 1.0 Introduction (Part 1 of 2)	(HVIN/PMN)		Serial Number(s):	651EAK0077, 651EAK0149, 651EAK0065, 174EAK0333, 174EAK0325	Classification:	Occupational/Controlled Environment	Applicant Name:	Motorola Solutions Inc.	Applicant Address:	Plot 2A, Medan Bayan Lepas Mukim, 12 SWD, 11900 Bayan Lepas, Penang, Malaysia	Firmware Version (FVIN):	B02.25.01.0019	FCC ID:	AZ489FT7181 This report contains results that are immaterial for FCC equipment approval, which are clearly identified.	FCC Test Firm Registration Number:	823256	IC:	109U-89FT7181 This report contains results that are immaterial for ISSED equipment approval, which are clearly identified.	ISSED Test Site registration:	24843
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 Saw Sun Hock (Approval Signatory) Approved Date: 10/10/2024																																													

Appendix D

System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/19/2024 7:49:25 AM

Robot#: DASY5-PG-1 | Run#: BL-SYSP-150H-240719-07
 Dipole Model#: CLA-150
 Phantom#: ELI5 1147
 Tissue Temp: 20.8 (C)
 Serial#: 4016
 Test Freq: 150.0000 (MHz)
 Start Power: 1000 (mW)
 Rotation (1D): 0.034 dB
 Adjusted SAR (1W): 4.06 mW/g (1g)

Comments:

Communication System Band: CLA150, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 150$ MHz; $\sigma = 0.789$ S/m; $\epsilon_r = 50.075$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7882, Calibrated: 6/25/2024, Frequency: 150 MHz, ConvF(12.4, 12.4, 12.4) @ 150 MHz

Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 87.71 V/m; Power Drift = 0.01 dB

Fast SAR: SAR(1 g) = 4.88 W/kg; SAR(10 g) = 3.46 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 6.15 W/kg

Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 87.71 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 7.57 W/kg

SAR(1 g) = 4.06 W/kg; SAR(10 g) = 2.63 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 15 mm

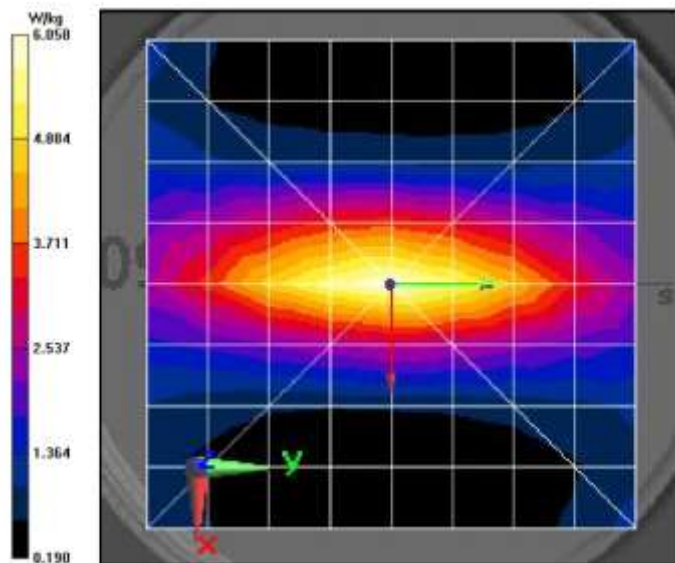
Ratio of SAR at M2 to SAR at M1 = 57%

Maximum value of SAR (measured) = 6.10 W/kg

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

grid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm

Maximum value of SAR (measured) = 6.10 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/30/2024 2:51:44 AM

Robot#: DASY5-PG-3 | Run#: ZIQ-SYSP-2450H-240730-02
Dipole Model#: D2450V2
Phantom#: ELI4 1050
Tissue Temp: 22.4 (C)
Serial#: 703
Test Freq: 2450.0000(MHz)
Start Power: 250 (mW)
Rotation (1D): 0.063 dB
Adjusted SAR (1W): 50.00 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; $\sigma = 1.73$ S/m; $\epsilon_r = 36.398$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 2450 MHz, ConvF(7.87, 7.87, 7.87) @ 2450 MHz
Electronics: DAE4 Sn684, Calibrated: 2/22/2022

2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (51x91x1): Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Reference Value = 116.2 V/m; Power Drift = -0.10 dB

Fast SAR: SAR(1 g) = 13.2 W/kg; SAR(10 g) = 6.01 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 22.0 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 = 116.2 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 25.4 W/kg

SAR(1 g) = 12.5 W/kg; SAR(10 g) = 5.85 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 9 mm

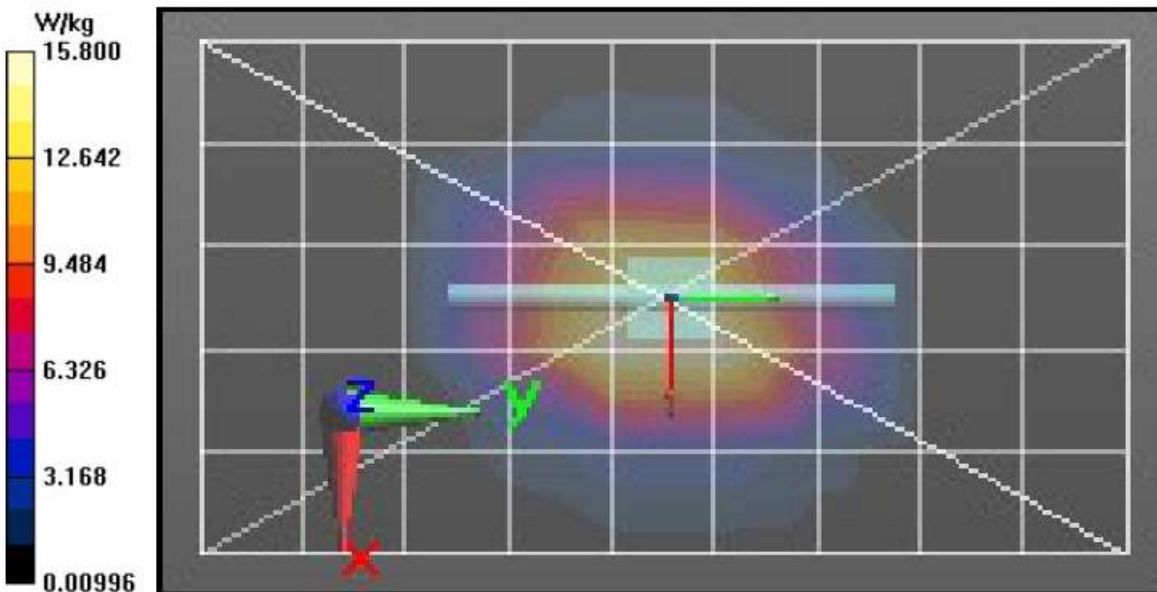
Ratio of SAR at M2 to SAR at M1 = 49.4%

Maximum value of SAR (measured) = 20.8 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) = 21.5 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/6/2024 2:19:39 PM

Robot#: DASY5-PG-3 | Run#: ZIQ-SYSP-5600H-240806-07
Dipole Model# D5GHzV2
Phantom#: ELI4 1022
Tissue Temp: 20.9 (C)
Serial#: 1022
Test Freq: 5600.0000 (MHz)
Start Power: 100 (mW)
Rotation (1D): 0.100 dB
Adjusted SAR (1W): 76.30 mW/g (1g)

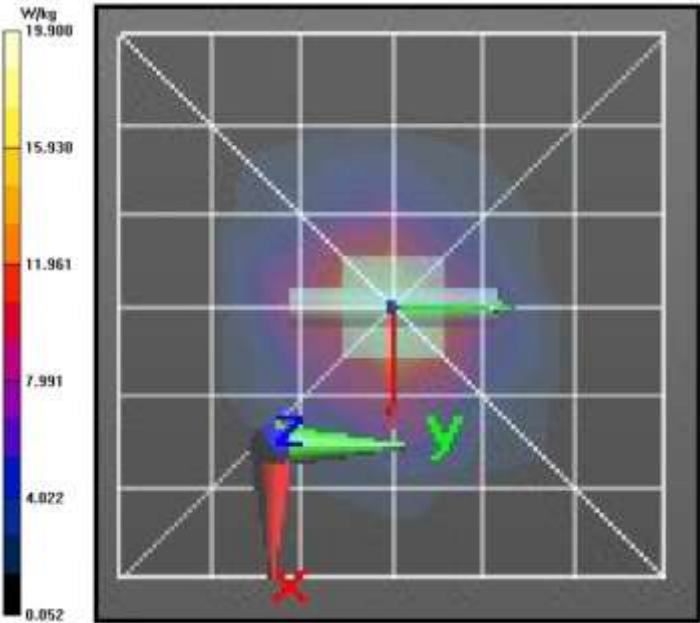
Comments:

Communication System Band: D5GHz (5000.0 - 6000.0 MHz), Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 5600 MHz; σ = 4.693 S/m; ϵ_r = 32.872; ρ = 1000 kg/m³
Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 5600 MHz, ConvF(4.72, 4.72, 4.72) @ 5600 MHz
Electronics: DAE4 Sn684, Calibrated: 2/22/2022

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 = 73.16 V/m; Power Drift = -0.09 dB
Fast SAR: SAR(1 g) = 7.4 W/kg; SAR(10 g) = 2.02 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 20.3 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 = 73.16 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 33.0 W/kg
SAR(1 g) = 7.63 W/kg; SAR(10 g) = 2.18 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 = 52%
Maximum value of SAR (measured) = 18.2 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) = 20.8 W/kg



Appendix E

DUT Scans

Highest SAR at FCC LMR Body

Table 24

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/23/2024 2:32:14 AM

Robot#: DASY5-PG-1 | Run#: BL-AB-240723-04@
 Model#: AAH07JDH9SA1AN (PMUD3539AAB)
 Phantom#: ELI5 1147
 Tissue Temp: 21.0 (C)
 Serial#: 651EAK0077
 Antenna: PMAD4118A
 Test Freq: 164.9875 (MHz)
 Battery: PMNN4889A
 Carry Acc: PMLN4651A
 Audio Acc: None (BT)
 Start Power: 6.00 (W)

Comments:

Communication System Band: Danube VHF, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 164.988 \text{ MHz}$; $\sigma = 0.774 \text{ S/m}$; $\epsilon_r = 50.516$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7882, Calibrated: 6/25/2024, Frequency: 164.988 MHz, ConvF(12.4, 12.4, 12.4) @ 164.988 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 69.64 V/m; Power Drift = -0.21 dB

Fast SAR: SAR(1 g) = 5.63 W/kg; SAR(10 g) = 3.7 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 7.41 W/kg

Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5 \text{ mm}$,

$dy=7.5 \text{ mm}$, $dz=5 \text{ mm}$

Reference Value = 69.64 V/m; Power Drift = -0.24 dB

Peak SAR (extrapolated) = 11.8 W/kg

SAR(1 g) = 4.75 W/kg; SAR(10 g) = 2.85 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 13.5 mm

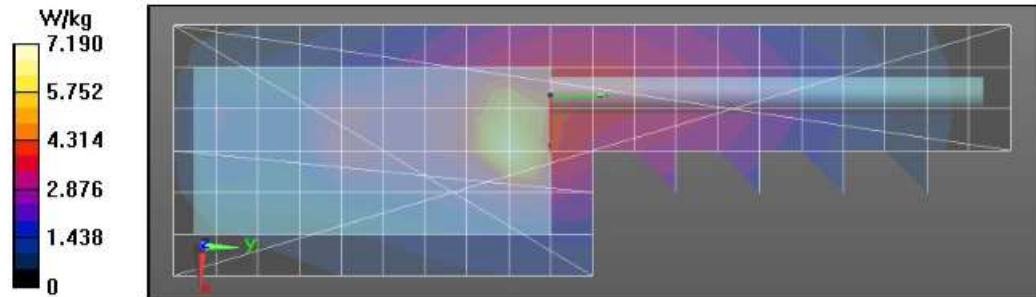
Ratio of SAR at M2 to SAR at M1 = 42.9%

Maximum value of SAR (measured) = 7.89 W/kg

Below 2 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: $dx=20 \text{ mm}$, $dy=20 \text{ mm}$,

$dz=10 \text{ mm}$

Maximum value of SAR (measured) = 8.13 W/kg



Highest SAR at FCC LMR Face

Table 25

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/25/2024 11:06:40 PM

Robot#: DASY5-PG-1 | Run#: BL-FACE-240725-20
 Model#: AAH07JDC9SA1AN (PMUD3538AAA)
 Phantom#: ELI5 1147
 Tissue Temp: 20.5 (C)
 Serial#: 174EAK0333
 Antenna: PMAD4147A
 Test Freq: 164.9875 (MHz)
 Battery: PMNN4890A
 Carry Acc: @ front
 Audio Acc: None (BT)
 Start Power: 5.70 (W)

Comments:

Communication System Band: Danube VHF, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 164.988 \text{ MHz}$; $\sigma = 0.78 \text{ S/m}$; $\epsilon_r = 50.911$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7882, Calibrated: 6/25/2024, Frequency: 164.988 MHz, ConvF(12.4, 12.4, 12.4) @ 164.988 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x231x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 67.23 V/m; Power Drift = -0.22 dB

Fast SAR: SAR(1 g) = 2.99 W/kg; SAR(10 g) = 2.31 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.55 W/kg

Below 2 GHz-Rev.3/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 67.23 V/m; Power Drift = -0.23 dB

Peak SAR (extrapolated) = 4.08 W/kg

SAR(1 g) = 2.74 W/kg; SAR(10 g) = 2.1 W/kg (SAR corrected for target medium)

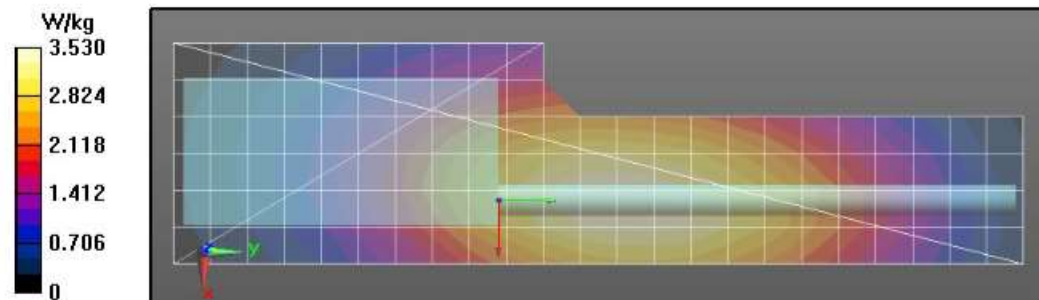
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 68.4%

Maximum value of SAR (measured) = 3.50 W/kg

Below 2 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$

Maximum value of SAR (measured) = 3.47 W/kg



Highest SAR at ISED LMR Body

Table 27

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/25/2024 5:14:25 PM

Robot#: DASY5-PG-1 | Run#: EMR-AB-240725-11@
 Model#: AAH07JDH9SA1AN (PMUD3539AAB)
 Phantom#: ELI5 1147
 Tissue Temp: 20.8 (C)
 Serial#: 174EAK0333
 Antenna: PMAD4117A
 Test Freq: 138.0000 (MHz)
 Battery: PMNN4889A
 Carry Acc: PMLN4651A
 Audio Acc: None (BT)
 Start Power: 5.91 (W)

Comments:

Communication System Band: Danube VHF, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 138$ MHz; $\sigma = 0.721$ S/m; $\epsilon_r = 50.792$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7882, Calibrated: 6/25/2024, Frequency: 138 MHz, ConvF(12.4, 12.4, 12.4) @ 138 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 77.07 V/m; Power Drift = -0.53 dB

Fast SAR: SAR(1 g) = 8.19 W/kg; SAR(10 g) = 5.01 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 10.9 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 = 77.07 V/m; Power Drift = -0.61 dB

Peak SAR (extrapolated) = 17.2 W/kg

SAR(1 g) = 6.14 W/kg; SAR(10 g) = 3.48 W/kg (SAR corrected for target medium)

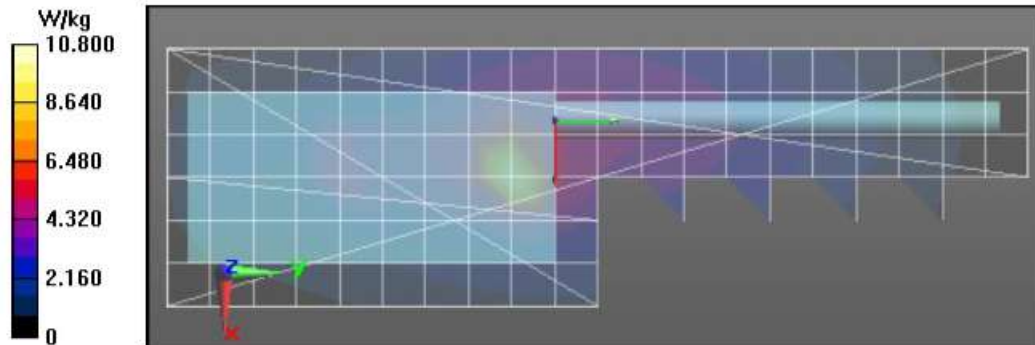
Smallest distance from peaks to all points 3 dB below = 12.7 mm

Ratio of SAR at M2 to SAR at M1 = 37.4%

Maximum value of SAR (measured) = 11.0 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) = 11.1 W/kg



Highest SAR at ISED LMR Face

Table 27

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/25/2024 11:06:40 PM

Robot#: DASY5-PG-1 | Run#: BL-FACE-240725-20
 Model#: AAH07JDC9SA1AN (PMUD3538AAA)
 Phantom#: EL15 1147
 Tissue Temp: 20.5 (C)
 Serial#: 174EAK0333
 Antenna: PMAD4147A
 Test Freq: 164.9875 (MHz)
 Battery: PMNN4890A
 Carry Acc: @ front
 Audio Acc: None (BT)
 Start Power: 5.70 (W)

Comments:

Communication System Band: Danube VHF, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 164.988$ MHz; $\sigma = 0.78$ S/m; $\epsilon_r = 50.911$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7882, Calibrated: 6/25/2024, Frequency: 164.988 MHz, ConvF(12.4, 12.4, 12.4) @ 164.988 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x231x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 67.23 V/m; Power Drift = -0.22 dB

Fast SAR: SAR(1 g) = 2.99 W/kg; SAR(10 g) = 2.31 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.55 W/kg

Below 2 GHz-Rev.3/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 67.23 V/m; Power Drift = -0.23 dB

Peak SAR (extrapolated) = 4.08 W/kg

SAR(1 g) = 2.74 W/kg; SAR(10 g) = 2.1 W/kg (SAR corrected for target medium)

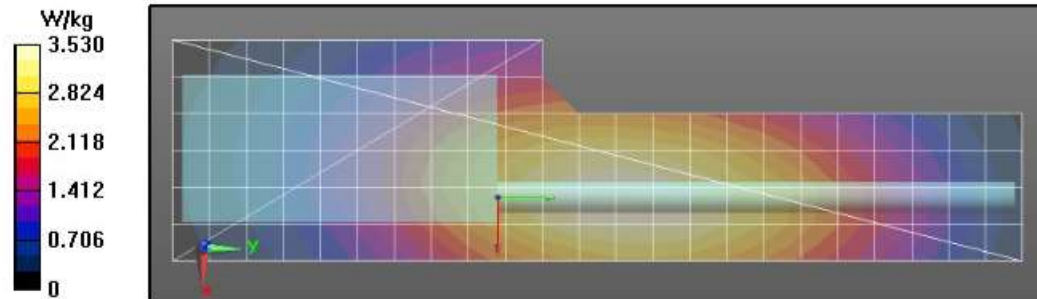
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 68.4%

Maximum value of SAR (measured) = 3.50 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) = 3.47 W/kg



Highest LMR SAR at Outside FCC Frequency Range Body

Table 26

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/25/2024 5:14:25 PM

Robot#: DASY5-PG-1 | Run#: EMR-AB-240725-11@
 Model#: AAH07JDH9SA1AN (PMUD3539AAB)
 Phantom#: ELI5 1147
 Tissue Temp: 20.8 (C)
 Serial#: 174EAK0333
 Antenna: PMAD4117A
 Test Freq: 138.0000 (MHz)
 Battery: PMNN4889A
 Carry Acc: PMLN4651A
 Audio Acc: None (BT)
 Start Power: 5.91 (W)

Comments:

Communication System Band: Danube VHF, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 138$ MHz; $\sigma = 0.721$ S/m; $\epsilon_r = 50.792$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7882, Calibrated: 6/25/2024, Frequency: 138 MHz, ConvF(12.4, 12.4, 12.4) @ 138 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 77.07 V/m; Power Drift = -0.53 dB

Fast SAR: SAR(1 g) = 8.19 W/kg; SAR(10 g) = 5.01 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 10.9 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 = 77.07 V/m; Power Drift = -0.61 dB

Peak SAR (extrapolated) = 17.2 W/kg

SAR(1 g) = 6.14 W/kg; SAR(10 g) = 3.48 W/kg (SAR corrected for target medium)

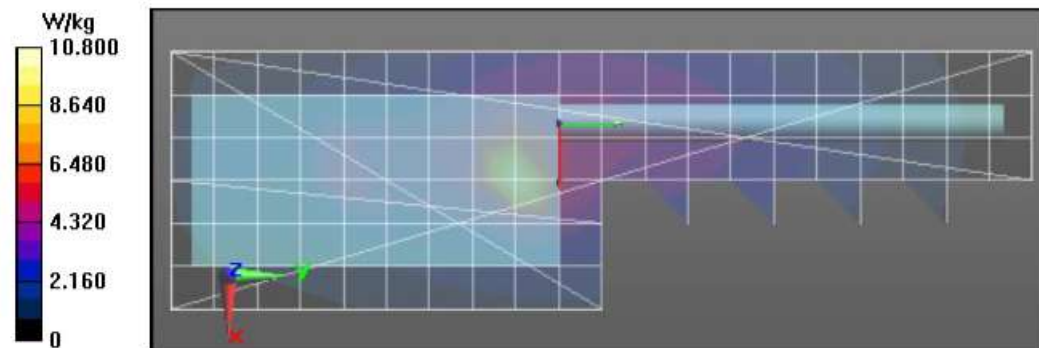
Smallest distance from peaks to all points 3 dB below = 12.7 mm

Ratio of SAR at M2 to SAR at M1 = 37.4%

Maximum value of SAR (measured) = 11.0 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) = 11.1 W/kg



Highest LMR SAR at Outside FCC Frequency Range Face

Table 26

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/23/2024 9:42:24 PM

Robot#: DASY5-PG-1 | Run#: BL-FACE-240723-25
 Model#: AAH07JDH9SA1AN (PMUD3539AAB)
 Phantom#: ELI5 1147
 Tissue Temp: 20.5 (C)
 Serial#: 651EAK0077
 Antenna: PMAD4117A
 Test Freq: 144.0125 (MHz)
 Battery: PMNN4890A
 Carry Acc: @ front
 Audio Acc: None (BT)
 Start Power: 5.30 (W)

Comments:

Communication System Band: Danube VHF, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 144.012$ MHz; $\sigma = 0.773$ S/m; $\epsilon_r = 51.359$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7882, Calibrated: 6/25/2024, Frequency: 144.012 MHz, ConvF(12.4, 12.4, 12.4) @ 144.012 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 52.45 V/m; Power Drift = -0.20 dB

Fast SAR: SAR(1 g) = 1.8 W/kg; SAR(10 g) = 1.4 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.13 W/kg

Below 2 GHz-Rev.3/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 52.45 V/m; Power Drift = -0.24 dB

Peak SAR (extrapolated) = 2.45 W/kg

SAR(1 g) = 1.66 W/kg; SAR(10 g) = 1.29 W/kg (SAR corrected for target medium)

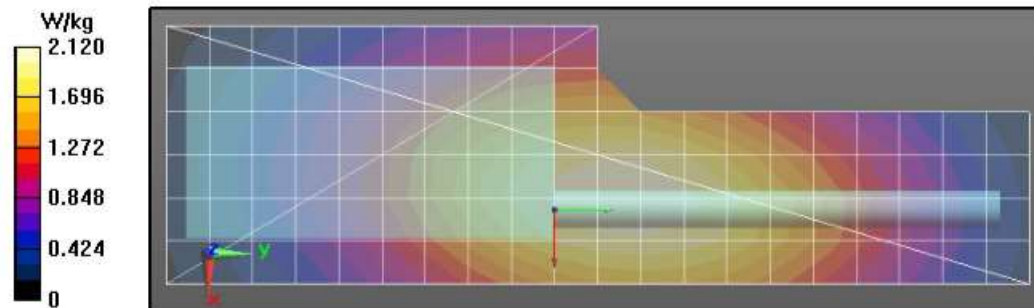
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 69.2%

Maximum value of SAR (measured) = 2.11 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) = 2.07 W/kg



Highest SAR at FCC WLAN 2.4GHz Body

Table 29

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/19/2024 12:45:17 AM

Robot#: DASY5-PG-3 | Run#: MHN(ABE)-AB-240719-01@
 Model#: AAH07JDH9SA1AN (PMUD3539AAB)
 Phantom#: ELI4 1103
 Tissue Temp: 22.2 (C)
 Serial#: 651EAK0149
 Antenna: PMAD4119A
 Test Freq: 2462.0000 (MHz)
 Battery: PMNN4888A
 Carry Acc: HLN6602A
 Audio Acc: None
 Start Power: 0.0558 (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; $\sigma = 1.847$ S/m; $\epsilon_r = 38.323$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 2462 MHz, ConvF(7.87, 7.87, 7.87) @ 2462 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

2-3 GHz-Rev.3/Ab Scan/1-Area Scan (81x211x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 7.951 V/m; Power Drift = -0.13 dB

Fast SAR: SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.040 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.108 W/kg

2-3 GHz-Rev.3/Ab Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.951 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.134 W/kg

SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.040 W/kg (SAR corrected for target medium)

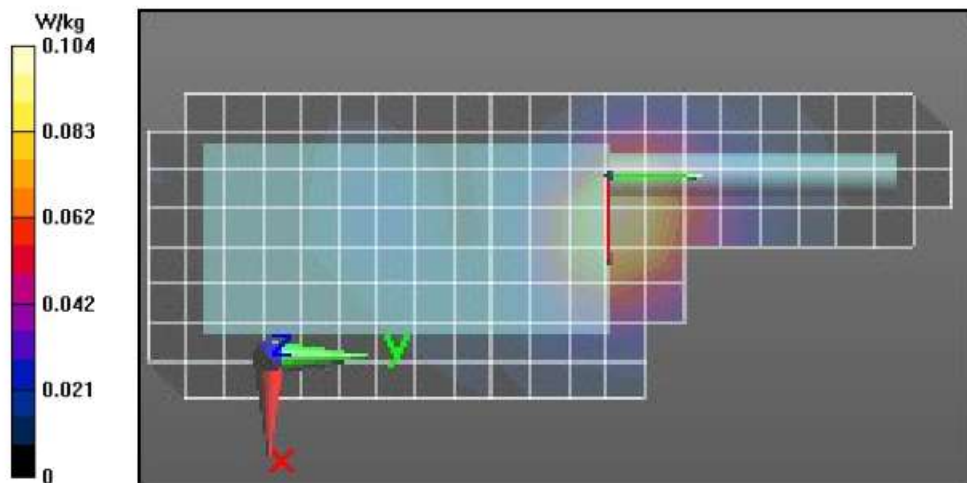
Smallest distance from peaks to all points 3 dB below = 16.6 mm

Ratio of SAR at M2 to SAR at M1 = 52.8%

Maximum value of SAR (measured) = 0.111 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) = 0.109 W/kg



Highest SAR at FCC WLAN 2.4GHz Face

Table 31

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/19/2024 8:32:15 PM

Robot#: DASY5-PG-3 | Run#: MHN(ABE)-FACE-240719-12@
 Model#: AAH07JDH9SA1AN (PMUD3539AAB)
 Phantom#: ELI4 1103
 Tissue Temp: 21.7 (C)
 Serial#: 651EAK0149
 Antenna: PMAD4119A
 Test Freq: 2462.0000 (MHz)
 Battery: PMNN4889A
 Carry Acc: None, Radio front @2.5cm
 Audio Acc: None
 Start Power: 0.0557 (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; $\sigma = 1.847$ S/m; $\epsilon_r = 38.323$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 2462 MHz, ConvF(7.87, 7.87, 7.87) @ 2462 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

2-3 GHz-Rev.3/Face Scan/1-Area Scan (71x211x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 5.957 V/m; Power Drift = -0.15 dB

Fast SAR: SAR(1 g) = 0.055 W/kg; SAR(10 g) = 0.031 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0831 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 = 5.957 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.0980 W/kg

SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.031 W/kg (SAR corrected for target medium)

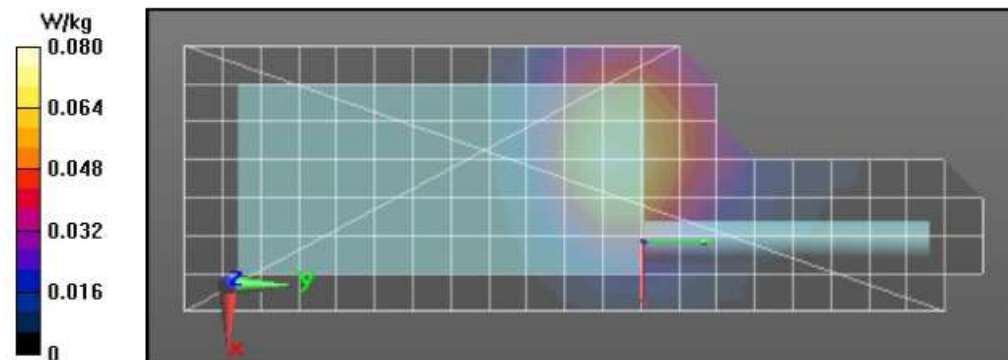
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 53.8%

Maximum value of SAR (measured) = 0.0813 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) = 0.0823 W/kg



Highest SAR at ISED WLAN 2.4GHz Body

Table 32

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/30/2024 3:57:59 AM

Robot#: DASY5-PG-3 | Run#: ZIQ-AB-240730-03
 Model#: AAH07JDH9SA1AN (PMUD3539AAB)
 Phantom#: EL14 1103
 Tissue Temp: 22.7 (C)
 Serial#: 174EAK0325
 Antenna: AN000389A01
 Test Freq: 2412.0000 (MHz)
 Battery: PMNN4888A
 Carry Acc: HLN6602A
 Audio Acc: None
 Start Power: 0.0445 (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; $\sigma = 1.704$ S/m; $\epsilon_r = 36.467$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 2412 MHz, ConvF(7.87, 7.87, 7.87) @ 2412 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

2-3 GHz-Rev.3/Ab Scan/1-Area Scan (71x211x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 8.080 V/m; Power Drift = -0.21 dB

Fast SAR: SAR(1 g) = 0.085 W/kg; SAR(10 g) = 0.048 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.127 W/kg

2-3 GHz-Rev.3/Ab Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.080 V/m; Power Drift = -0.23 dB

Peak SAR (extrapolated) = 0.140 W/kg

SAR(1 g) = 0.079 W/kg; SAR(10 g) = 0.045 W/kg (SAR corrected for target medium)

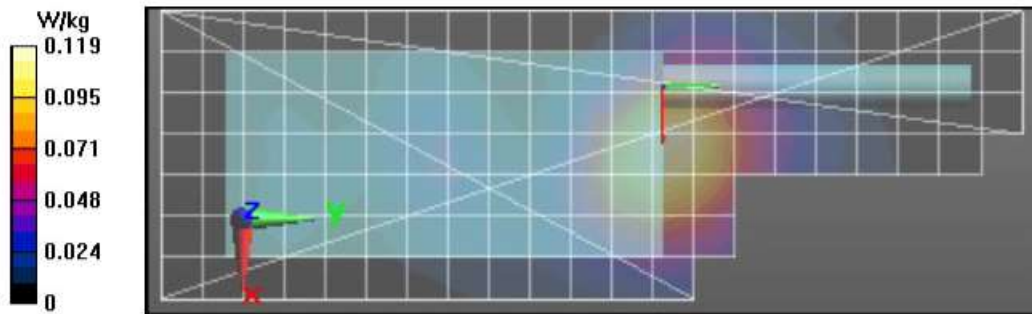
Smallest distance from peaks to all points 3 dB below = 17 mm

Ratio of SAR at M2 to SAR at M1 = 55.3%

Maximum value of SAR (measured) = 0.117 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) = 0.124 W/kg



Highest SAR at ISED WLAN 2.4GHz Face

Table 32

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/20/2024 4:13:43 PM

Robot#: DASY5-PG-3 | Run#: SAN-FACE-240720-11@
 Model#: AAH07JDH9SA1AN (PMUD3539AAB)
 Phantom#: ELI4 1103
 Tissue Temp: 20.4 (C)
 Serial#: 651EAK0065
 Antenna: AN000389A01
 Test Freq: 2412.0000 (MHz)
 Battery: PMNN4889A
 Carry Acc: None, Radio front @2.5cm
 Audio Acc: None
 Start Power: 0.0494 (W)

Comments: 802.11b - 2.4GHz DSSS, 20MHz BW, 1 Mbps

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; $\sigma = 1.73$ S/m; $\epsilon_r = 36.892$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 2412 MHz, ConvF(7.87, 7.87, 7.87) @ 2412 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

2-3 GHz-Rev.3/Face Scan/1-Area Scan (71x211x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 7.043 V/m; Power Drift = -0.18 dB

Fast SAR: SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.038 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0988 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 = 7.043 V/m; Power Drift = -0.21 dB

Peak SAR (extrapolated) = 0.118 W/kg

SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.039 W/kg (SAR corrected for target medium)

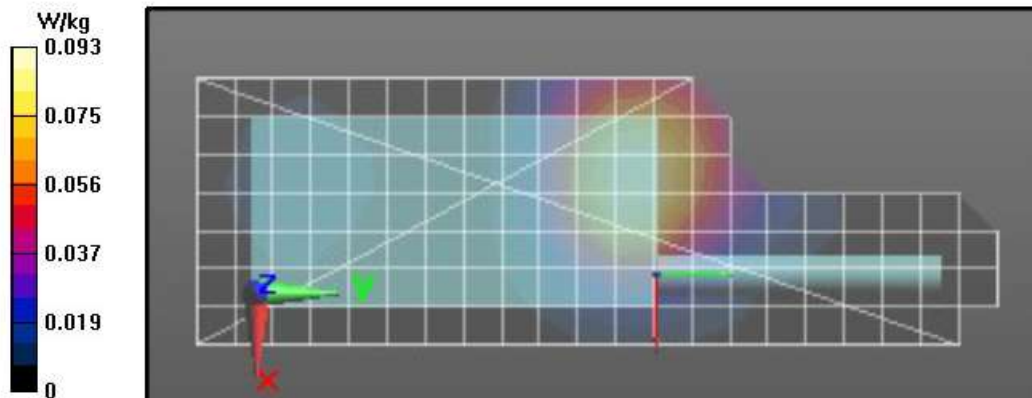
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 54.8%

Maximum value of SAR (measured) = 0.0983 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) = 0.0985 W/kg



Highest SAR at FCC 5GHz UNII-2A Body

Table 35

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/20/2024 12:16:49 PM

Robot#: DASY5-PG-3 | Run#: SAN-AB-240720-08
 Model#: PMUD3539AAB
 Phantom#: ELI4 1103
 Tissue Temp: 21.0 (C)
 Serial#: 651EAK0149
 Antenna: PMAD4119A
 Test Freq: 5260.0000 (MHz)
 Battery: PMNN4888A
 Carry Acc: HLN6602A
 Audio Acc: None
 Start Power: 0.0585 (W)

Comments: 802.11a U-NII-2A, 5.25-5.35GHz OFDM / 20MHz BW, 6Mbps data rate

Communication System Band: U-NII-1, U-NII-2A (5170 - 5330 MHz), Communication System UID: 10417 - AAD, Duty Cycle: 1:6.64967,

Medium parameters used: $f = 5260$ MHz; $\sigma = 4.452$ S/m; $\epsilon_r = 33.714$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 5260 MHz, ConvF(5.53, 5.53, 5.53) @ 5260 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

4-6 GHz-Rev.5/Full Ab Scan/1-Area Scan (91x261x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 7.331 V/m; Power Drift = -0.23 dB

Fast SAR: SAR(1 g) = 0.137 W/kg; SAR(10 g) = 0.060 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.300 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 = 7.331 V/m; Power Drift = -0.21 dB

Peak SAR (extrapolated) = 0.482 W/kg

SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.061 W/kg (SAR corrected for target medium)

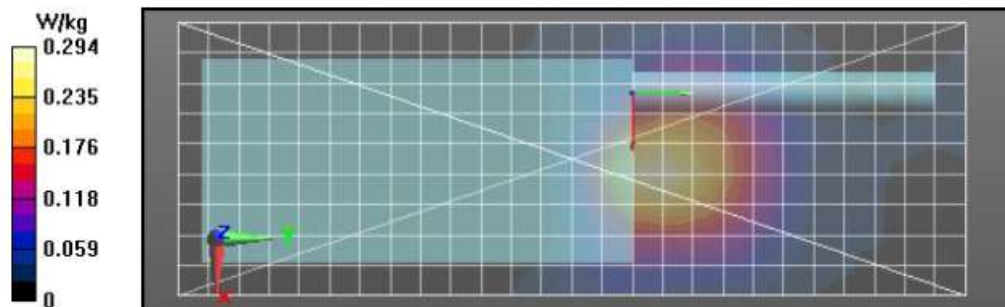
Smallest distance from peaks to all points 3 dB below = 16.4 mm

Ratio of SAR at M2 to SAR at M1 = 55.7%

Maximum value of SAR (measured) = 0.300 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) = 0.303 W/kg



Highest SAR at ISED 5GHz UNII-2A Body

Table 37

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/23/2024 4:00:03 AM

Robot#: DASY5-PG-3 | Run#: ZIQ-AB-240723-04@
 Model#: PMUD3539AAB
 Phantom#: ELI4 1103
 Tissue Temp: 22.3 (C)
 Serial#: 651EAK0149
 Antenna: AN000389A01
 Test Freq: 5300.0000 (MHz)
 Battery: PMNN4888A
 Carry Acc: HLN6602A
 Audio Acc: None
 Start Power: 0.0578 (W)

Comments: 802.11a U-NII-2A, 5.25-5.35GHz OFDM / 20MHz BW, 6Mbps data rate

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

Medium parameters used: $f = 5300$ MHz; $\sigma = 4.62$ S/m; $\epsilon_r = 35.422$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 5300 MHz, ConvF(5.53, 5.53, 5.53) @ 5300 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

4-6 GHz-Rev.5/Shortened Ab Scan/1-Area Scan (91x261x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 8.599 V/m; Power Drift = -0.46 dB

Fast SAR: SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.064 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.322 W/kg

4-6 GHz-Rev.5/Shortened Ab Scan/2-Zoom Scan (9x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 9.084 V/m; Power Drift = -0.26 dB

Peak SAR (extrapolated) = 0.491 W/kg

SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.064 W/kg (SAR corrected for target medium)

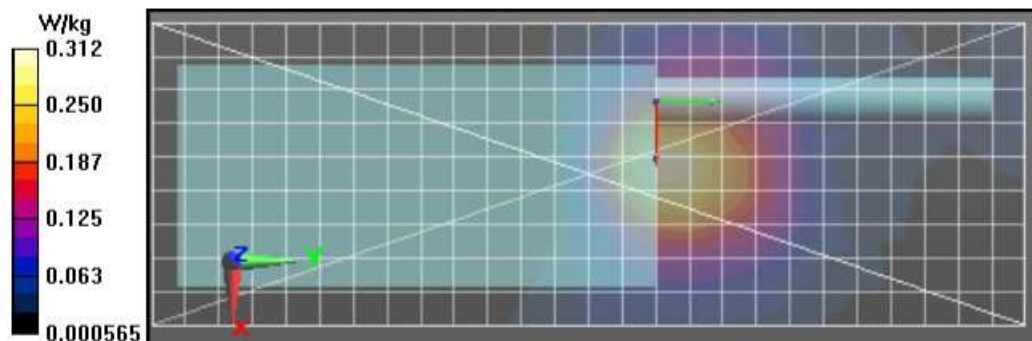
Smallest distance from peaks to all points 3 dB below = 15.9 mm

Ratio of SAR at M2 to SAR at M1 = 56.2%

Maximum value of SAR (measured) = 0.311 W/kg

4-6 GHz-Rev.5/Shortened Ab Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.307 W/kg



Highest SAR at FCC/ISED 5GHz UNII-2A Face

Table 36 & 37

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/22/2024 10:00:21 PM

Robot#: DASY5-PG-3 | Run#: ZIQ-FACE-240722-08
 Model#: PMUD3539AAB
 Phantom#: ELI4 1103
 Tissue Temp: 21.8 (C)
 Serial#: 651EAK0149
 Antenna: AN000389A01
 Test Freq: 5260.0000 (MHz)
 Battery: PMNN4888A
 Carry Acc: None, Radio front @2.5cm
 Audio Acc: None
 Start Power: 0.0585 (W)

Comments: 802.11a - U-NII-2A, 5.25-5.35GHz OFDM / BW20MHz, 6Mbps data rate

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

Medium parameters used: $f = 5260$ MHz; $\sigma = 4.578$ S/m; $\epsilon_r = 35.5$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 5260 MHz, ConvF(5.53, 5.53, 5.53) @ 5260 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

4-6 GHz-Rev.5/Shortened Face Scan/1-Area Scan (91x281x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 6.776 V/m; Power Drift = -0.36 dB

Fast SAR: SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.050 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.239 W/kg

4-6 GHz-Rev.5/Shortened Face Scan/2-Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.001 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.386 W/kg

SAR(1 g) = 0.116 W/kg; SAR(10 g) = 0.051 W/kg (SAR corrected for target medium)

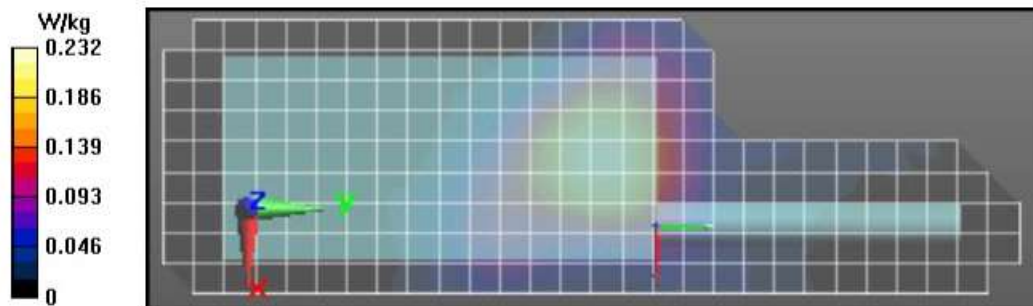
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 54.8%

Maximum value of SAR (measured) = 0.239 W/kg

4-6 GHz-Rev.5/Shortened Face Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.245 W/kg



Highest SAR at FCC/ISED 5GHz UNII-2C Body

Table 38 & 40

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/7/2024 11:15:43 PM

Robot#: DASY5-PG-3 | Run#: MHN-AB-240807-12
 Model#: PMUD3538AAA
 Phantom#: ELI4 1103
 Tissue Temp: 21.2 (C)
 Serial#: 174EAK0325
 Antenna: AN000389A01
 Test Freq: 5600.0000 (MHz)
 Battery: PMNN4888A
 Carry Acc: HLN6602A
 Audio Acc: None
 Start Power: 0.0274 (W)

Comments: 802.11a - U-NII-2C, 5.47-5.725GHz OFDM / BW20MHz, 6Mbps data rate

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 4.963$ S/m; $\epsilon_r = 32.287$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 5600 MHz, ConvF(4.72, 4.72, 4.72) @ 5600 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

4-6 GHz-Rev.5/Shortened Ab Scan/1-Area Scan (91x261x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 7.051 V/m; Power Drift = -0.56 dB

Fast SAR: SAR(1 g) = 0.139 W/kg; SAR(10 g) = 0.057 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.323 W/kg

4-6 GHz-Rev.5/Shortened Ab Scan/2-Zoom Scan (9x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.915 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.548 W/kg

SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.057 W/kg (SAR corrected for target medium)

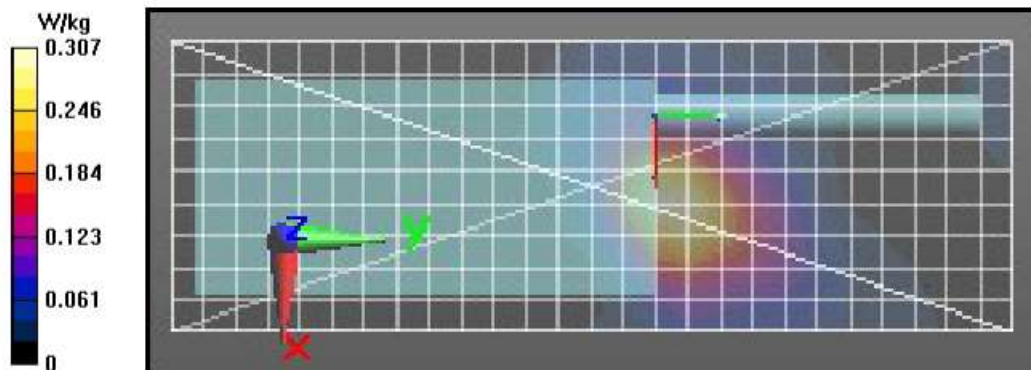
Smallest distance from peaks to all points 3 dB below = 14.9 mm

Ratio of SAR at M2 to SAR at M1 = 51.8%

Maximum value of SAR (measured) = 0.325 W/kg

4-6 GHz-Rev.5/Shortened Ab Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.327 W/kg



Highest SAR at FCC/ISED 5GHz UNII-2C Face**Table 39 & 40****Motorola Solutions, Inc. EME Laboratory**

Date/Time: 8/7/2024 12:10:43 AM

Robot#: DASY5-PG-3 | Run#: MHN-FACE-240807-01@
 Model#: PMUD3539AAB
 Phantom#: ELI4 1103
 Tissue Temp: 22.3 (C)
 Serial#: 651EAK0149
 Antenna: AN000389A01
 Test Freq: 5600.0000 (MHz)
 Battery: PMNN4890A
 Carry Acc: None, Radio front @2.5cm
 Audio Acc: None
 Start Power: 0.0266 (W)

Comments: 802.11a - U-NII-2C, 5.47-5.725GHz OFDM / BW20MHz, 6Mbps data rate

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 4.693$ S/m; $\epsilon_r = 32.872$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 5600 MHz, ConvF(4.72, 4.72, 4.72) @ 5600 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

4-6 GHz-Rev.5/Full Face Scan/1-Area Scan (91x281x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 5.379 V/m; Power Drift = -0.17 dB

Fast SAR: SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.022 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.117 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 = 5.379 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.195 W/kg

SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.020 W/kg (SAR corrected for target medium)

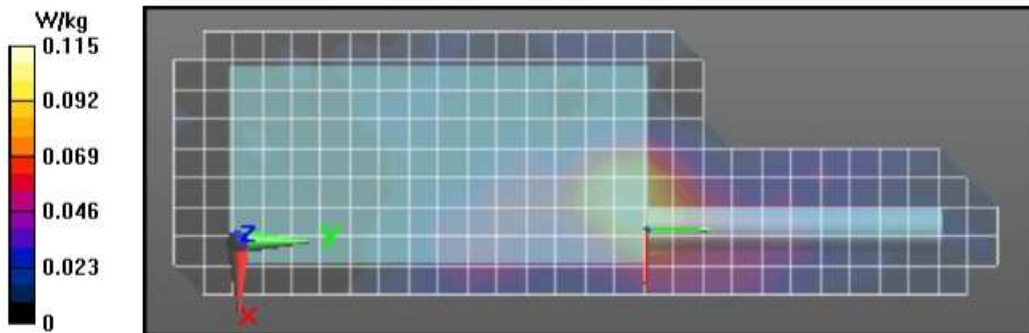
Smallest distance from peaks to all points 3 dB below = 12.8 mm

Ratio of SAR at M2 to SAR at M1 = 49.9%

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) = 0.112 W/kg



Highest SAR at FCC/ISED 5GHz UNII-3 Body

Table 41 & 43

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/2/2024 4:17:47 AM

Robot#: DASY5-PG-3 | Run#: DAN(ABE)-AB-240802-03@
 Model#: PMUD3538AAA
 Phantom#: ELI4 1103
 Tissue Temp: 21.7 (C)
 Serial#: 174EAK0325
 Antenna: AN000389A01
 Test Freq: 5785.0000 (MHz)
 Battery: PMNN4890A
 Carry Acc: HLN6602A
 Audio Acc: None
 Start Power: 0.0313 (W)

Comments: Shorten scan, 802.11a - U-NII-2C, 5.47-5.725GHz OFDM / BW20MHz, 6Mbps data rate

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

Medium parameters used: $f = 5785$ MHz; $\sigma = 5.174$ S/m; $\epsilon_r = 36.947$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 5785 MHz, ConvF(4.91, 4.91, 4.91) @ 5785 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

4-6 GHz-Rev.5/Shortened Ab Scan/1-Area Scan (101x261x1): Interpolated grid: dx=0.9000 mm,

dy=0.9000 mm

Reference Value = 5.767 V/m; Power Drift = -1.05 dB

Fast SAR: SAR(1 g) = 0.070 W/kg; SAR(10 g) = 0.030 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.159 W/kg

4-6 GHz-Rev.5/Shortened Ab Scan/2-Zoom Scan (9x9x12)/Cube 0: Measurement grid: dx=4mm,

dy=4mm, dz=2mm

Reference Value = 5.682 V/m; Power Drift = -0.24 dB

Peak SAR (extrapolated) = 0.235 W/kg

SAR(1 g) = 0.063 W/kg; SAR(10 g) = 0.027 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 14.4 mm

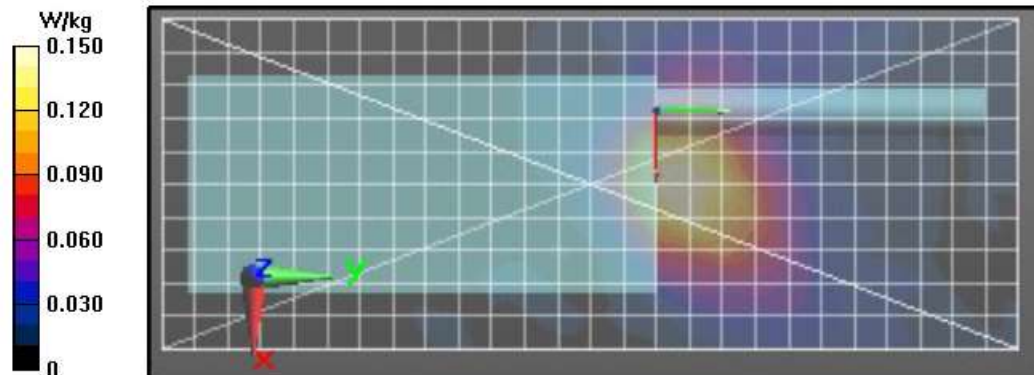
Ratio of SAR at M2 to SAR at M1 = 45.8%

Maximum value of SAR (measured) = 0.144 W/kg

4-6 GHz-Rev.5/Shortened Ab Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm,

dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.144 W/kg



Highest SAR at FCC/ISED 5GHz UNII-3 Face

Table 42 & 43

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/28/2024 6:08:36 PM

Robot#: DASY5-PG-3 | Run#: ZIQ(ABE)-FACE-240728-09@
 Model#: PMUD3539AAB
 Phantom#: ELI4 1103
 Tissue Temp: 20.7 (C)
 Serial#: 651EAK0149
 Antenna: AN000389A01
 Test Freq: 5785.0000 (MHz)
 Battery: PMNN4888A
 Carry Acc: None, Radio front @2.5cm
 Audio Acc: None
 Start Power: 0.0316 (W)

Comments: 802.11a - U-NII-3, 5.745-5.85GHz OFDM / BW20MHz, 6Mbps data rate

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

Medium parameters used: $f = 5785$ MHz; $\sigma = 5.117$ S/m; $\epsilon_r = 37.051$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 5785 MHz, ConvF(4.91, 4.91, 4.91) @ 5785 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

4-6 GHz-Rev.5/Shortened Face Scan/1-Area Scan (91x281x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 4.853 V/m; Power Drift = -0.42 dB

Fast SAR: SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.021 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.150 W/kg

4-6 GHz-Rev.5/Shortened Face Scan/2-Zoom Scan (10x10x12)/Cube 0: Measurement grid:

dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.721 V/m; Power Drift = -0.60 dB

Peak SAR (extrapolated) = 0.180 W/kg

SAR(1 g) = 0.046 W/kg; SAR(10 g) = 0.018 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 13.7 mm

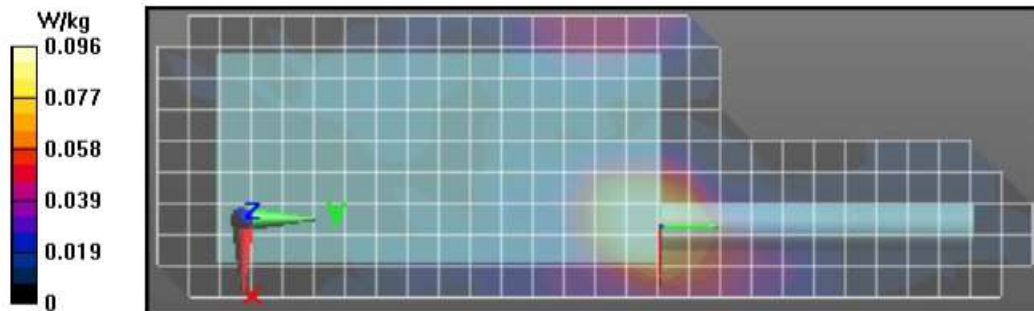
Ratio of SAR at M2 to SAR at M1 = 55%

Maximum value of SAR (measured) = 0.108 W/kg

4-6 GHz-Rev.5/Shortened Face Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm,

dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.0649 W/kg



APPENDIX F

Shortened Scan of Highest SAR configuration

Shorten Scan Assessment

Table 44

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/25/2024 2:29:32 PM

Robot#: DASY5-PG-1 | Run#: EMR-AB-240725-10@
 Model#: AAH07JDH9SA1AN (PMUD3539AAB)
 Phantom#: ELI5 1147
 Tissue Temp: 20.9 (C)
 Serial#: 651EAK0077
 Antenna: PMAD4118A
 Test Freq: 164.9875 (MHz)
 Battery: PMNN4889A
 Carry Acc: PMLN4651A
 Audio Acc: None (BT)
 Start Power: 5.90 (W)

Comments: Shorten scan

Communication System Band: Danube VHF, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 164.988$ MHz; $\sigma = 0.741$ S/m; $\epsilon_r = 49.598$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7882, Calibrated: 6/25/2024, Frequency: 164.988 MHz, ConvF(12.4, 12.4, 12.4) @ 164.988 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 66.89 V/m; Power Drift = -0.20 dB

Fast SAR: SAR(1 g) = 5.66 W/kg; SAR(10 g) = 3.61 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 7.48 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 = 66.89 V/m; Power Drift = -0.18 dB

Fast SAR: SAR(1 g) = 6.3 W/kg; SAR(10 g) = 3.89 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 8.09 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 = 104.0 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 12.0 W/kg

SAR(1 g) = 4.66 W/kg; SAR(10 g) = 2.78 W/kg (SAR corrected for target medium)

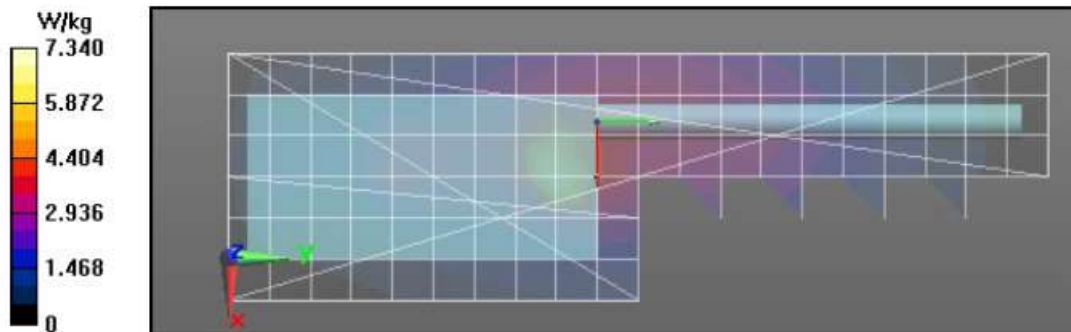
Smallest distance from peaks to all points 3 dB below = 13.4 mm

Ratio of SAR at M2 to SAR at M1 = 40.9%

Maximum value of SAR (measured) = 8.08 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) = 7.96 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)	44	10	2.48
Full Scan (Area & Zoom)	24	25	2.51

APPENDIX G

DUT Test Position Photos

Photos available in Exhibit 7B

APPENDIX H

DUT, Body worn and audio accessories Photos

Photos available in Exhibit 7B