



CERTIFICATE 2518.05

DECLARATION OF COMPLIANCE SAR ASSESSMENT PCII Report Part 2 of 2

Motorola Solutions Inc.**EME Test Laboratory**

Motorola Solutions Malaysia Sdn Bhd

Plot 2A, Medan Bayan Lepas,

Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.

Date of Report: 12/12/2024**Report Revision:** D

Responsible Engineer: Alfred Hoe Kean Loon (Senior Engineer)
Report Author: Alfred Hoe Kean Loon (Senior Engineer)
Date/s Tested: 10/7/2024-10/10/2024, 10/12/2024-10/13/2024 & 10/22/2024-10/24/2024
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 – NEXTEX MTP8500Ex , 806-870MHz, BT/GPS/GNSS LKP
Test TX mode(s): MSPD (66.67%), SSPD(22%), Bluetooth/Bluetooth LE
Max. Power output: Refer table 3 (refer part 1 of 2)
Tx Frequency Bands: Refer table 3 (refer part 1 of 2)
Signaling type: Refer table 3 (refer part 1 of 2)
Model(s) Tested: AZH16UCF6TZ5AN
Model(s) Certified: Refer section 1.0 Introduction (refer part 1 of 2)
(HVIN/PMN)
Serial Number(s): 902EAB8524
Classification: Occupational/Controlled
Firmware Version (FVIN): D36.100.10086
Applicant Name: Motorola Solutions Inc.
Applicant Address: Plot 2A, Medan Bayan Lepas Mukim, 12 SWD, 11900 Bayan Lepas, Penang, Malaysia
FCC ID: AZ489FT5877
Add the following when applicable - This report contains results that are immaterial for FCC equipment approval, which are clearly identified.
FCC Test Firm 823256
Registration Number:
IC: 109U-89FT5877
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 FCC Occupational/Controlled RF Exposure limits of 8 W/kg averaged over 1 gram per the requirements of FCC 47 CFR § 2.1093 and RSS-102 (Issue 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: 12/12/2024

Appendix D

System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/10/2024 12:24:47 AM

Robot#: DASY5-PG-3 | Run#: ZIQ-SYSP-835H-241010-01
 Dipole Model#: D835V2
 Phantom#: SAMTP 1384
 Tissue Temp: 20.9 (C)
 Serial#: 4D029
 Test Freq: 835.0000 (MHz)
 Start Power: 31.6 (mW)
 Rotation (1D): 0.069 dB
 Adjusted SAR (1W): 9.27 mW/g (1g)

Comments:

Communication System Band: Dipole 835, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 835$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 40.499$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 835 MHz, ConvF(10.1, 10.1, 10.1) @ 835 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x141x1):

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

Reference Value = 21.41 V/m; Power Drift = -0.06 dB

Fast SAR: SAR(1 g) = 0.305 W/kg; SAR(10 g) = 0.199 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.394 W/kg

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

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

Reference Value = 21.41 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.426 W/kg

SAR(1 g) = 0.293 W/kg; SAR(10 g) = 0.199 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 20.2 mm

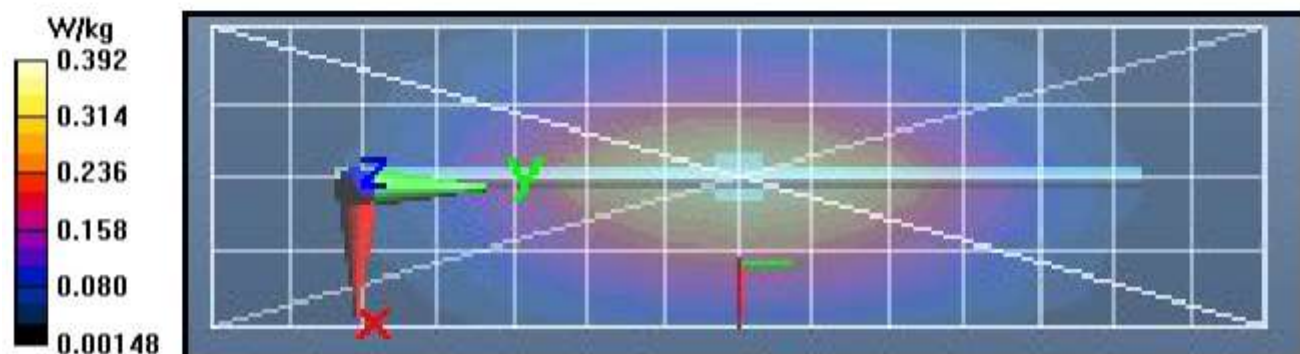
Ratio of SAR at M2 to SAR at M1 = 68.5%

Maximum value of SAR (measured) = 0.379 W/kg

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

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

Maximum value of SAR (measured) = 0.376 W/kg



Appendix E

DUT Scans

Assessments at the FCC LMR Body (809 – 824MHz) - Table 17

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/21/2024 4:19:21 PM

Robot#: DASY5-PG-3 | Run#: MFR(ABE)-AB-241021-03
 Model#: PMUF1815B (ANH16UCF6TZ5AN)
 Phantom#: ELI4 1050
 Tissue Temp: 21.7 (C)
 Serial#: 122TAT2254
 Antenna: PMAF4019A
 Test Freq: 851.0000 (MHz)
 Battery: NNTN8570C
 Carry Acc: HLN6602A
 Audio Acc: None
 Start Power: 1.45 (W)

Comments:

Communication System Band: Nextex, Communication System UID: 0, Duty Cycle: 1:1.50003,
 Medium parameters used: $f = 851$ MHz; $\sigma = 0.973$ S/m; $\epsilon_r = 54.175$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 851 MHz, ConvF(10.03, 10.03, 10.03) @ 851 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 36.36 V/m; Power Drift = -0.69 dB

Fast SAR: SAR(1 g) = 1.74 W/kg; SAR(10 g) = 1.21 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.19 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 = 49.83 V/m; Power Drift = -0.27 dB

Peak SAR (extrapolated) = 2.35 W/kg

SAR(1 g) = 1.77 W/kg; SAR(10 g) = 1.3 W/kg (SAR corrected for target medium)

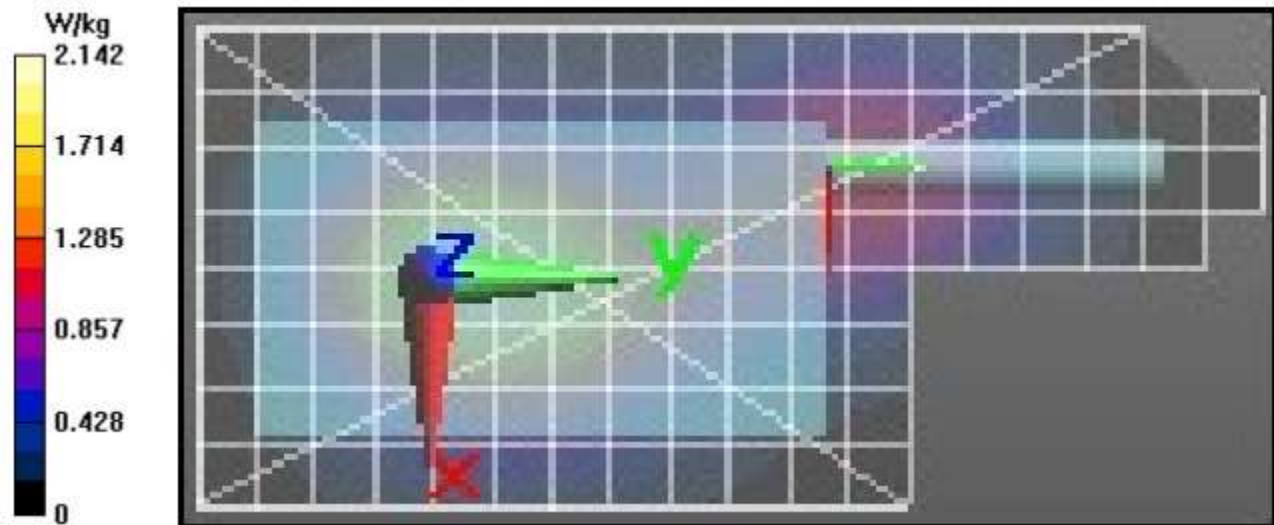
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 74.6%

Maximum value of SAR (measured) = 2.13 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) = 2.11 W/kg



Assessments at the FCC LMR Face (809 – 824MHz) - Table 17

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/9/2024 3:57:11 PM

Robot#: DASY5-PG-3 | Run#: MFR(ABE)-FACE-241009-11
 Model#: PMUF1815B (ANH16UCF6TZ5AN)
 Phantom#: ELI4 1090
 Tissue Temp: 21.8 (C)
 Serial#: 122TAT2254
 Antenna: PMAF4019A
 Test Freq: 824.0000 (MHz)
 Battery: NNTN8570C
 Carry Acc: @ front
 Audio Acc: N/A
 Start Power: 1.49 (W)

Comments:

Communication System Band: Nextex, Communication System UID: 0, Duty Cycle: 1:4.54988,

Medium parameters used: $f = 824 \text{ MHz}$; $\sigma = 0.876 \text{ S/m}$; $\epsilon_r = 40.474$; $\rho = 1000 \text{ kg/m}^3$

Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 869 MHz, ConvF(9.87, 9.87, 9.87) @ 869 MHz

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

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (71x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 18.54 V/m; Power Drift = 0.04 dB

Fast SAR: SAR(1 g) = 0.403 W/kg; SAR(10 g) = 0.278 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.489 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 = 18.54 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.522 W/kg

SAR(1 g) = 0.427 W/kg; SAR(10 g) = 0.328 W/kg (SAR corrected for target medium)

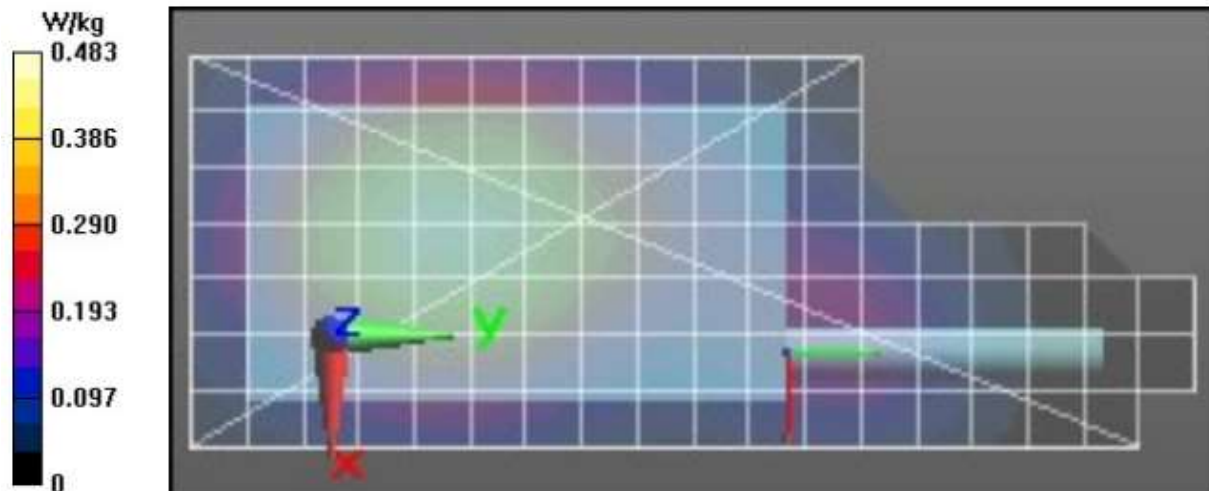
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 78%

Maximum value of SAR (measured) = 0.488 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) = 0.476 W/kg



Assessments at the FCC LMR Head (809 – 824MHz) - Table 17

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/10/2024 2:01:26 AM

Robot#: DASY5-PG-3 | Run#: ZIQ-LEAR-241010-03
 Model#: PMUF1815B (ANH16UCF6TZ5AN)
 Phantom#: SAMTP 1384
 Tissue Temp: 21.7 (C)
 Serial#: 122TAT2254
 Antenna: PMAF4019A
 Test Freq: 809.0000 (MHz)
 Battery: NNTN8570C
 Carry Acc: None, Tilt
 Audio Acc: None
 Start Power: 1.55 (W)

Comments: Tilt

Communication System Band: Nextex, Communication System UID: 0, Duty Cycle: 1:4.54988,

Medium parameters used: $f = 809$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 40.56$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 809 MHz, ConvF(10.17, 10.17, 10.17) @ 809 MHz

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

Below 2 GHz-Rev.3/Left Ear-15D Tilt position/1-Area Scan (81x181x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 40.68 V/m; Power Drift = 0.11 dB

Fast SAR: SAR(1 g) = 1.46 W/kg; SAR(10 g) = 0.956 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.97 W/kg

Below 2 GHz-Rev.3/Left Ear-15D Tilt position/3-Zoom Scan (5x5x7)/Cube 0: Measurement

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

Reference Value = 40.68 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 2.14 W/kg

SAR(1 g) = 1.5 W/kg; SAR(10 g) = 1.000 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 16.5 mm

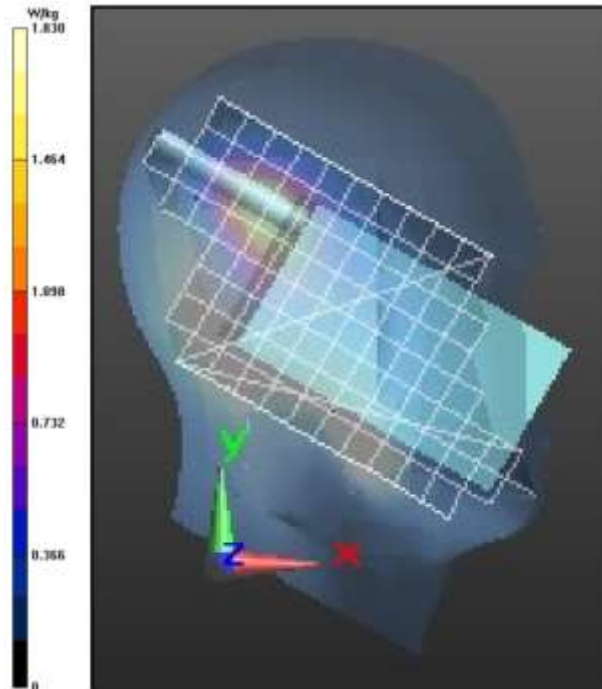
Ratio of SAR at M2 to SAR at M1 = 69%

Maximum value of SAR (measured) = 1.96 W/kg

Below 2 GHz-Rev.3/Left Ear-15D Tilt position/4-Z-Axis Scan (1x1x17): Measurement grid:

dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 1.91 W/kg



Assessments at the FCC LMR Body (854 – 869MHz) - Table 18

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/8/2024 9:21:33 PM

Robot#: DASY5-PG-3 | Run#: ZIQ-AB-241008-07
 Model#: PMUF1815B (ANH16UCF6TZ5AN)
 Phantom#: ELI4 1109
 Tissue Temp: 20.9 (C)
 Serial#: 122TAT2254
 Antenna: PMAF4019A
 Test Freq: 854.0000 (MHz)
 Battery: NNTN8570C
 Carry Acc: HLN6602A
 Audio Acc: None
 Start Power: 1.46 (W)

Comments:

Communication System Band: Nextex, Communication System UID: 0, Duty Cycle: 1:1.50003,
 Medium parameters used: $f = 854$ MHz; $\sigma = 1.038$ S/m; $\epsilon_r = 52.569$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 854 MHz, ConvF(10.03, 10.03, 10.03) @ 854 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 29.65 V/m; Power Drift = 0.16 dB

Fast SAR: SAR(1 g) = 1.39 W/kg; SAR(10 g) = 0.895 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.07 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 = 29.65 V/m; Power Drift = 0.11 dB

Fast SAR: SAR(1 g) = 1.46 W/kg; SAR(10 g) = 1.02 W/kg (SAR corrected for target medium)**Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (13x14x8)/Cube 0:** Measurement grid: dx=2.7mm, dy=2.7mm, dz=1.4mm

Reference Value = 42.85 V/m; Power Drift = -0.89 dB

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 1.33 W/kg; SAR(10 g) = 0.976 W/kg (SAR corrected for target medium)

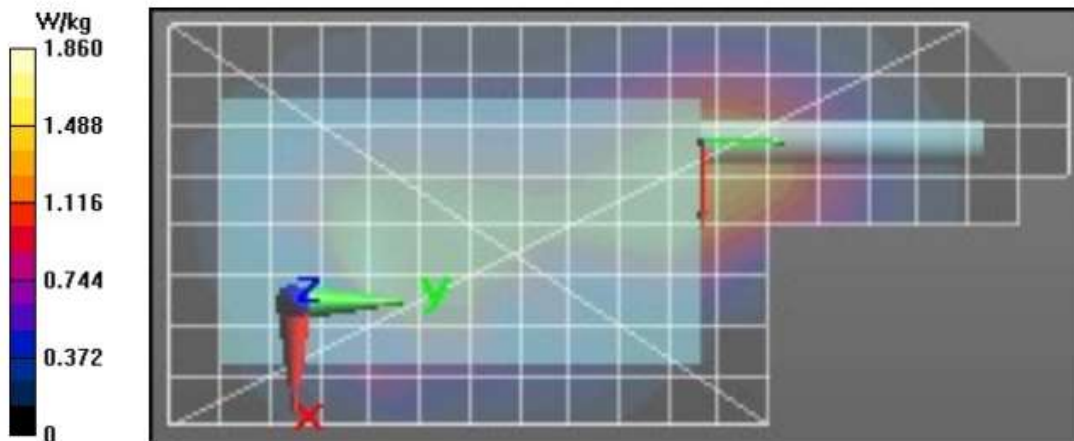
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 90.9%

Maximum value of SAR (measured) = 1.67 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) = 1.79 W/kg



Assessments at the FCC LMR Face (854 – 869MHz) - Table 18

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/9/2024 3:08:59 PM

Robot#: DASY5-PG-3 | Run#: MFR(ABE)-FACE-241009-10
 Model#: PMUF1815B (ANH16UCF6TZ5AN)
 Phantom#: ELI4 1090
 Tissue Temp: 21.4 (C)
 Serial#: 122TAT2254
 Antenna: PMAF4019A
 Test Freq: 869.0000 (MHz)
 Battery: NNTN8570C
 Carry Acc: @ front
 Audio Acc: N/A
 Start Power: 1.53 (W)

Comments:

Communication System Band: Nextex, Communication System UID: 0, Duty Cycle: 1:4.54988,
 Medium parameters used: $f = 869 \text{ MHz}$; $\sigma = 0.892 \text{ S/m}$; $\epsilon_r = 40.357$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 869 MHz, ConvF(9.87, 9.87, 9.87) @ 869 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (71x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 16.70 V/m; Power Drift = 0.04 dB

Fast SAR: SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.241 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.424 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 = 16.70 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.445 W/kg

SAR(1 g) = 0.365 W/kg; SAR(10 g) = 0.279 W/kg (SAR corrected for target medium)

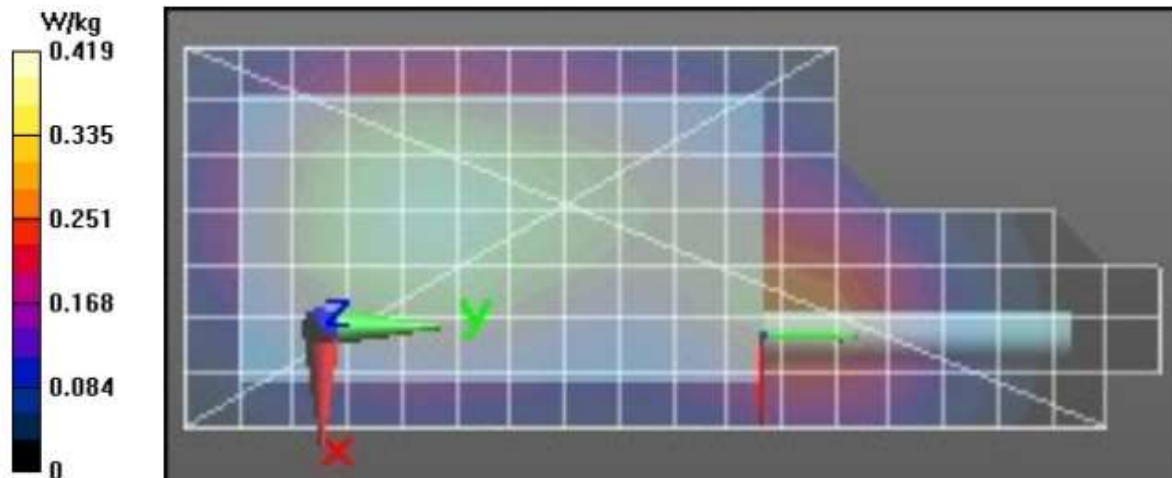
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 79.4%

Maximum value of SAR (measured) = 0.421 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) = 0.412 W/kg



Assessments at the FCC LMR Head (854 – 869MHz) - Table 18

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/10/2024 1:27:05 AM

Robot#: DASY5-PG-3 | Run#: ZIQ-LEAR-241010-02
 Model#: PMUF1815B (ANH16UCF6TZ5AN)
 Phantom#: SAMTP 1384
 Tissue Temp: 21.0 (C)
 Serial#: 122TAT2254
 Antenna: PMAF4019A
 Test Freq: 854.0000 (MHz)
 Battery: NNTN8570C
 Carry Acc: None, Tilt
 Audio Acc: None
 Start Power: 1.54 (W)

Comments: Tilt

Communication System Band: Nextex, Communication System UID: 0, Duty Cycle: 1:4.54988,

Medium parameters used: $f = 854$ MHz; $\sigma = 0.906$ S/m; $\epsilon_r = 40.448$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 854 MHz, ConvF(10.1, 10.1, 10.1) @ 854 MHz

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

Below 2 GHz-Rev.3/Left Ear-15D Tilt position/1-Area Scan (81x181x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 46.43 V/m; Power Drift = -0.34 dB

Fast SAR: SAR(1 g) = 1.84 W/kg; SAR(10 g) = 1.19 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.46 W/kg

Below 2 GHz-Rev.3/Left Ear-15D Tilt position/3-Zoom Scan (5x5x7)/Cube 0: Measurement

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

Reference Value = 46.43 V/m; Power Drift = -0.59 dB

Peak SAR (extrapolated) = 2.16 W/kg

SAR(1 g) = 1.5 W/kg; SAR(10 g) = 1.02 W/kg (SAR corrected for target medium)

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

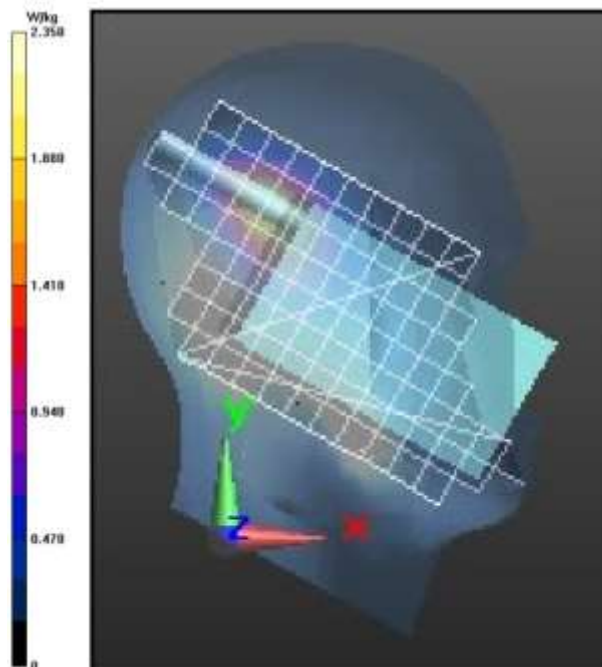
Ratio of SAR at M2 to SAR at M1 = 60.9%

Maximum value of SAR (measured) = 1.94 W/kg

Below 2 GHz-Rev.3/Left Ear-15D Tilt position/4-Z-Axis Scan (1x1x17): Measurement grid:

dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 1.69 W/kg



Assessments at the ISED LMR Body (806 – 824MHz) - Table 19

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/24/2024 5:13:03 AM

Robot#: DASY5-PG-3 | Run#: ZIQ-AB-241024-03
 Model#: PMUF1815B (ANH16UCF6TZ5AN)
 Phantom#: ELI4 1050
 Tissue Temp: 21.4 (C)
 Serial#: 122TAT2254
 Antenna: PMAF4019A
 Test Freq: 809.0000 (MHz)
 Battery: NNTN8570C
 Carry Acc: HLN6602A
 Audio Acc: None
 Start Power: 1.45 (W)

Comments: Shorten scan

Communication System Band: Nextex, Communication System UID: 0, Duty Cycle: 1:1.50003,

Medium parameters used: $f = 809$ MHz; $\sigma = 0.984$ S/m; $\epsilon_r = 53.427$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 809 MHz, ConvF(10.22, 10.22, 10.22) @ 809 MHz

Electronics: DAE4 Sn1483, Calibrated: 10/10/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 38.77 V/m; Power Drift = -0.10 dB

Fast SAR: SAR(1 g) = 1.79 W/kg; SAR(10 g) = 1.24 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.27 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 = 38.77 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.30 W/kg

SAR(1 g) = 1.78 W/kg; SAR(10 g) = 1.34 W/kg (SAR corrected for target medium)

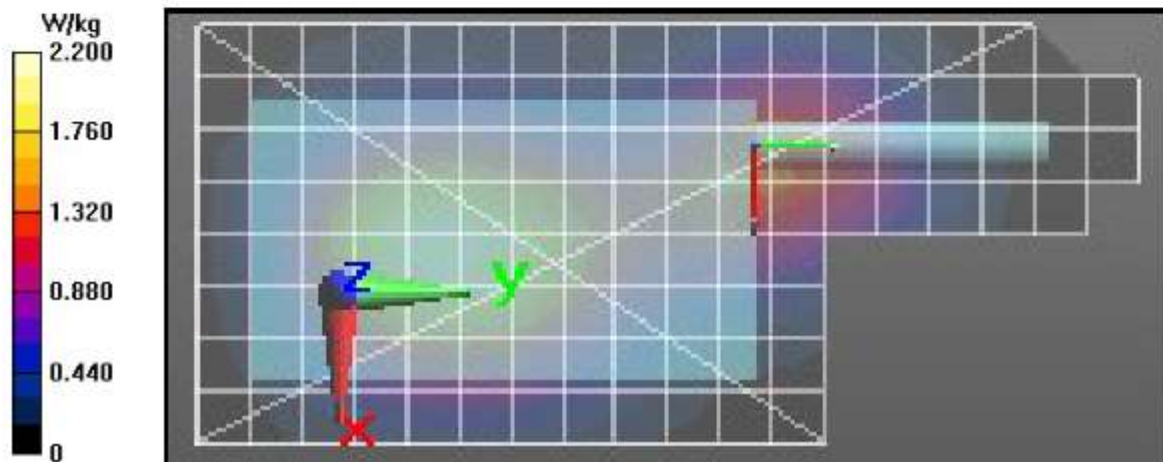
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 77.3%

Maximum value of SAR (measured) = 2.14 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) = 2.24 W/kg



Assessments at the ISED LMR Face (806 – 824MHz) - Table 19

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/9/2024 3:57:11 PM

Robot#: DASY5-PG-3 | Run#: MFR(ABE)-FACE-241009-11
 Model#: PMUF1815B (ANH16UCF6TZ5AN)
 Phantom#: ELI4 1090
 Tissue Temp: 21.8 (C)
 Serial#: 122TAT2254
 Antenna: PMAF4019A
 Test Freq: 824.0000 (MHz)
 Battery: NNTN8570C
 Carry Acc: @ front
 Audio Acc: N/A
 Start Power: 1.49 (W)

Comments:

Communication System Band: Nextex, Communication System UID: 0, Duty Cycle: 1:4.54988,
 Medium parameters used: $f = 824$ MHz; $\sigma = 0.876$ S/m; $\epsilon_r = 40.474$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 869 MHz, ConvF(9.87, 9.87, 9.87) @ 869 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 18.54 V/m; Power Drift = 0.04 dB

Fast SAR: SAR(1 g) = 0.403 W/kg; SAR(10 g) = 0.278 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.489 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 = 18.54 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.522 W/kg

SAR(1 g) = 0.427 W/kg; SAR(10 g) = 0.328 W/kg (SAR corrected for target medium)

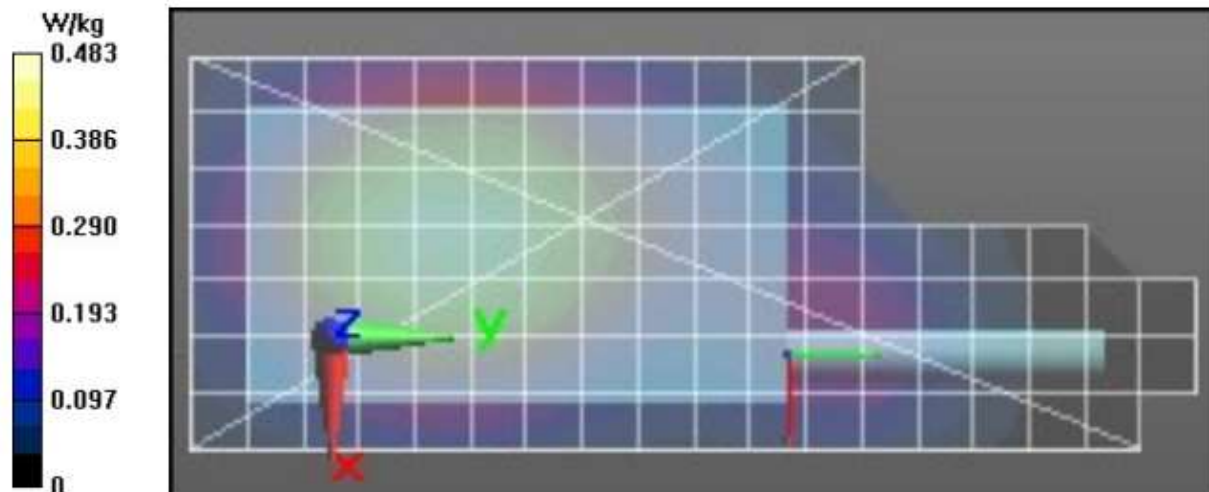
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 78%

Maximum value of SAR (measured) = 0.488 W/kg

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

Maximum value of SAR (measured) = 0.476 W/kg



Assessments at the ISED LMR Head (806 – 824MHz) - Table 19

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/24/2024 12:02:09 AM

Robot#: DASY5-PG-3 | Run#: ZIQ-LEAR-241023-11
 Model#: PMUF1815B (ANH16UCF6TZ5AN)
 Phantom#: SAMTP 1384
 Tissue Temp: 21.2 (C)
 Serial#: 122TAT2254
 Antenna: PMAF4019A
 Test Freq: 824.0000 (MHz)
 Battery: NNTN8570C
 Carry Acc: None, Tilt
 Audio Acc: None
 Start Power: 1.54 (W)

Comments: Tilt

Communication System Band: Nextex, Communication System UID: 0, Duty Cycle: 1:4.54988,

Medium parameters used: $f = 824 \text{ MHz}$; $\sigma = 0.87 \text{ S/m}$; $\epsilon_r = 38.832$; $\rho = 1000 \text{ kg/m}^3$

Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 824 MHz, ConvF(10.1, 10.1, 10.1) @ 824 MHz

Electronics: DAE4 Sn1483, Calibrated: 10/10/2022

Below 2 GHz-Rev.3/Left Ear-15D Tilt position/1-Area Scan (81x181x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 40.75 V/m; Power Drift = -0.08 dB

Fast SAR: SAR(1 g) = 1.49 W/kg; SAR(10 g) = 0.980 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.01 W/kg

Below 2 GHz-Rev.3/Left Ear-15D Tilt position/3-Zoom Scan (5x5x7)/Cube 0: Measurement

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

Reference Value = 40.75 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.31 W/kg

SAR(1 g) = 1.54 W/kg; SAR(10 g) = 1.01 W/kg (SAR corrected for target medium)

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

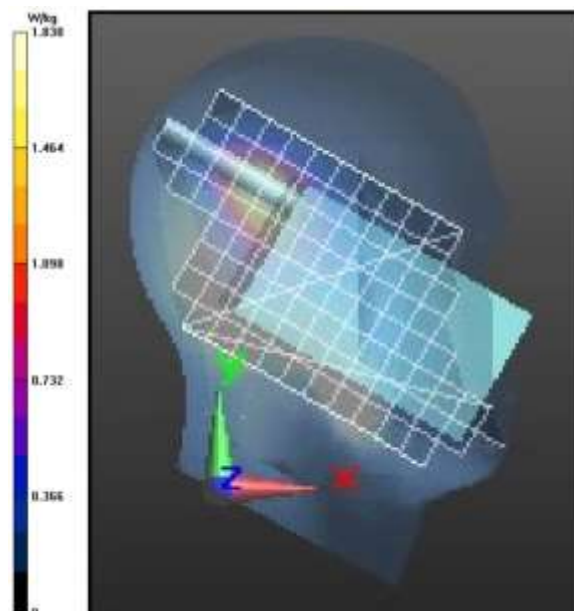
Ratio of SAR at M2 to SAR at M1 = 66.3%

Maximum value of SAR (measured) = 2.03 W/kg

Below 2 GHz-Rev.3/Left Ear-15D Tilt position/4-Z-Axis Scan (1x1x17): Measurement grid:

dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 1.99 W/kg



Assessments at the ISED LMR Body (851 – 869MHz) - Table 20

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/8/2024 9:21:33 PM

Robot#: DASY5-PG-3 | Run#: ZIQ-AB-241008-07
 Model#: PMUF1815B (ANH16UCF6TZ5AN)
 Phantom#: ELI4 1109
 Tissue Temp: 20.9 (C)
 Serial#: 122TAT2254
 Antenna: PMAF4019A
 Test Freq: 854.0000 (MHz)
 Battery: NNTN8570C
 Carry Acc: HLN6602A
 Audio Acc: None
 Start Power: 1.46 (W)

Comments:

Communication System Band: Nextex, Communication System UID: 0, Duty Cycle: 1:1.50003,
 Medium parameters used: $f = 854$ MHz; $\sigma = 1.038$ S/m; $\epsilon_r = 52.569$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 854 MHz, ConvF(10.03, 10.03, 10.03) @ 854 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 29.65 V/m; Power Drift = 0.16 dB

Fast SAR: SAR(1 g) = 1.39 W/kg; SAR(10 g) = 0.895 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.07 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 = 29.65 V/m; Power Drift = 0.11 dB

Fast SAR: SAR(1 g) = 1.46 W/kg; SAR(10 g) = 1.02 W/kg (SAR corrected for target medium)**Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (13x14x8)/Cube 0:** Measurement grid: dx=2.7mm, dy=2.7mm, dz=1.4mm

Reference Value = 42.85 V/m; Power Drift = -0.89 dB

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 1.33 W/kg; SAR(10 g) = 0.976 W/kg (SAR corrected for target medium)

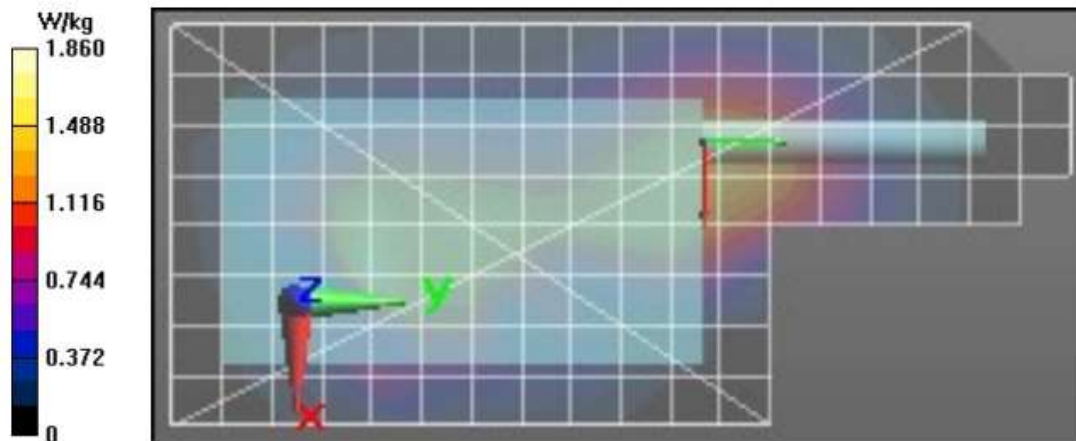
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 90.9%

Maximum value of SAR (measured) = 1.67 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) = 1.79 W/kg



Assessments at the ISED LMR Face (851 – 869MHz) - Table 20

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/9/2024 6:05:44 PM

Robot#: DASY5-PG-3 | Run#: MFR(ABE)-FACE-241009-14
 Model#: PMUF1815B (ANH16UCF6TZ5AN)
 Phantom#: ELI4 1090
 Tissue Temp: 21.8 (C)
 Serial#: 122TAT2254
 Antenna: PMAF4019A
 Test Freq: 854.0000 (MHz)
 Battery: NNTN8570C
 Carry Acc: @ front
 Audio Acc: N/A
 Start Power: 1.54 (W)

Comments:

Communication System Band: Nextex, Communication System UID: 0, Duty Cycle: 1:4.54988,
 Medium parameters used: $f = 854 \text{ MHz}$; $\sigma = 0.887 \text{ S/m}$; $\epsilon_r = 40.408$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 854 MHz, ConvF(10.1, 10.1, 10.1) @ 854 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (71x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 18.38 V/m; Power Drift = 0.11 dB

Fast SAR: SAR(1 g) = 0.372 W/kg; SAR(10 g) = 0.259 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.463 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 = 18.38 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.494 W/kg

SAR(1 g) = 0.391 W/kg; SAR(10 g) = 0.301 W/kg (SAR corrected for target medium)

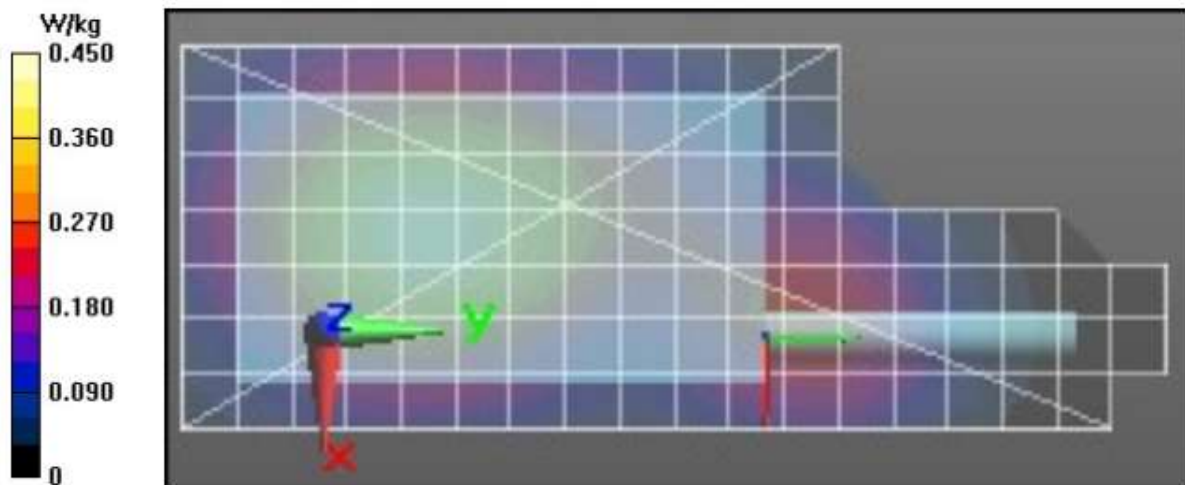
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 76.8%

Maximum value of SAR (measured) = 0.457 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) = 0.453 W/kg



Assessments at the ISED LMR Head (851 – 869MHz) - Table 20

Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/10/2024 1:27:05 AM

Robot#: DASY5-PG-3 | Run#: ZIQ-LEAR-241010-02
 Model#: PMUF1815B (ANH16UCF6TZ5AN)
 Phantom#: SAMTP 1384
 Tissue Temp: 21.0 (C)
 Serial#: 122TAT2254
 Antenna: PMAF4019A
 Test Freq: 854.0000 (MHz)
 Battery: NNTN8570C
 Carry Acc: None, Tilt
 Audio Acc: None
 Start Power: 1.54 (W)

Comments: Tilt

Communication System Band: Nextex, Communication System UID: 0, Duty Cycle: 1:4.54988,

Medium parameters used: $f = 854$ MHz; $\sigma = 0.906$ S/m; $\epsilon_r = 40.448$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 854 MHz, ConvF(10.1, 10.1, 10.1) @ 854 MHz

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

Below 2 GHz-Rev.3/Left Ear-15D Tilt position/1-Area Scan (81x181x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 46.43 V/m; Power Drift = -0.34 dB

Fast SAR: SAR(1 g) = 1.84 W/kg; SAR(10 g) = 1.19 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.46 W/kg

Below 2 GHz-Rev.3/Left Ear-15D Tilt position/3-Zoom Scan (5x5x7)/Cube 0: Measurement

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

Reference Value = 46.43 V/m; Power Drift = -0.59 dB

Peak SAR (extrapolated) = 2.16 W/kg

SAR(1 g) = 1.5 W/kg; SAR(10 g) = 1.02 W/kg (SAR corrected for target medium)

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

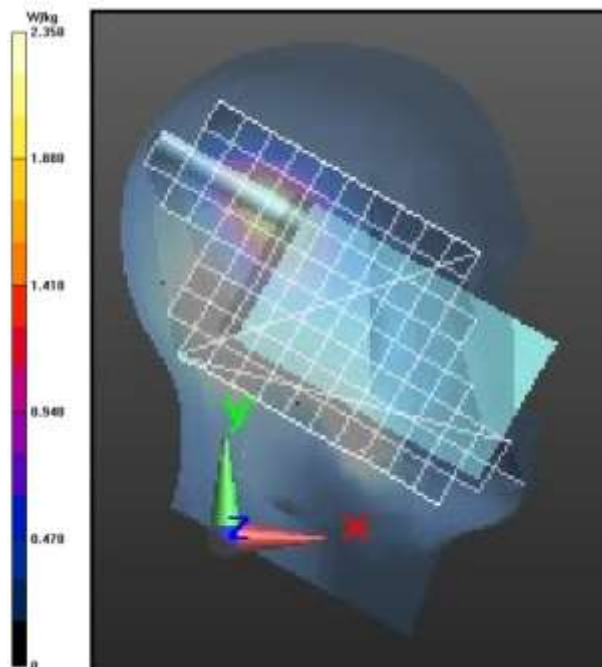
Ratio of SAR at M2 to SAR at M1 = 60.9%

Maximum value of SAR (measured) = 1.94 W/kg

Below 2 GHz-Rev.3/Left Ear-15D Tilt position/4-Z-Axis Scan (1x1x17): Measurement grid:

dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 1.69 W/kg



APPENDIX F

Shortened Scan of Highest SAR configuration

Shortened Scan Table 21

Motorola Solutions, Inc. EME Laboratory Date/Time: 10/24/2024 6:10:25 AM

Robot#: DASY5-PG-3 | Run#: ZIQ-AB-241024-04
 Model#: PMUF1815B (ANH16UCF6TZ5AN)
 Phantom#: ELI4 1050
 Tissue Temp: 21.0 (C)
 Serial#: 122TAT2254
 Antenna: PMAF4019A
 Test Freq: 809.0000 (MHz)
 Battery: NNTN8570C
 Carry Acc: HLN6602A
 Audio Acc: None
 Start Power: 1.45 (W)

Comments: Shorten scan

Communication System Band: Nextex, Communication System UID: 0, Duty Cycle: 1:1.50003,

Medium parameters used: $f = 809 \text{ MHz}$; $\sigma = 0.984 \text{ S/m}$; $\epsilon_r = 53.427$; $\rho = 1000 \text{ kg/m}^3$

Probe: EX3DV4 - SN7486, Calibrated: 1/19/2024, Frequency: 809 MHz, ConvF(10.22, 10.22, 10.22) @ 809 MHz

Electronics: DAE4 Sn1483, Calibrated: 10/10/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 38.81 V/m; Power Drift = -0.71 dB

Fast SAR: SAR(1 g) = 1.71 W/kg; SAR(10 g) = 1.19 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.17 W/kg

Below 2 GHz-Rev.3/Ab Scan/2-Volume 2D Scan (41x41x1): Interpolated grid: $dx=0.7500 \text{ mm}$, $dy=0.7500 \text{ mm}$, $dz=1.000 \text{ mm}$

Reference Value = 38.81 V/m; Power Drift = -0.75 dB

Fast SAR: SAR(1 g) = 1.7 W/kg; SAR(10 g) = 1.21 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.12 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 = 47.85 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.21 W/kg

SAR(1 g) = 1.71 W/kg; SAR(10 g) = 1.28 W/kg (SAR corrected for target medium)

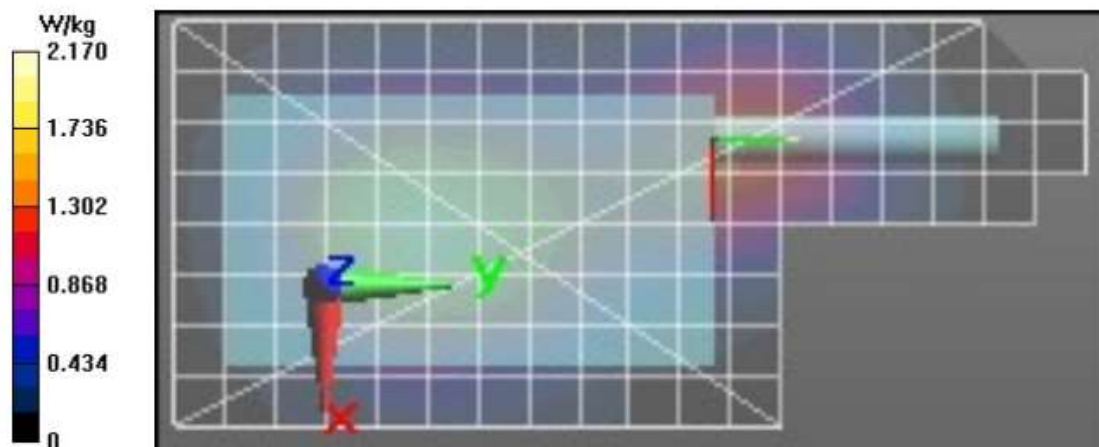
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 77.2%

Maximum value of SAR (measured) = 2.06 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) = 2.04 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)	21	12	1.86
Full scan (area & zoom)	17	30	1.95

APPENDIX G

DUT Test Position Photos

Photos available in Exhibit 7B