



CERTIFICATE 2518.05

DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2

Motorola Solutions Inc.
EME Test Laboratory
 Motorola Solutions Malaysia Sdn Bhd
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Date of Report: 01/18/2023
Report Revision: B

Responsible Engineer: Saw Sun Hock (EME Engineer)
Report Author: Muhammad Akmal Naim Kasim (EME Technician)
Date/s Tested: 12/9/2022–12/12/2022, 1/3/2023-1/4/2023, 1/7/2023-1/10/2023
Manufacturer: Motorola Solutions Inc.
DUT Description: Handheld Portable – T600 Consumer Radio 462-467MHz Impact Green
Test TX mode(s): CW (PTT)
Max. Power output: Refer table 3
Nominal Power output: Refer table 3
Tx Frequency Bands: Refer table 3
Signaling type: FM
Model(s) Tested: T6B22201GWRAAW (PMUE5712B) (IC MODEL: PMUE5712B)
Model(s) Certified: T6B22201GWRAAW (PMUE5712B) (IC MODEL: PMUE5712B),
 T6B22201GWCAAG (PMUE5869A) (IC MODEL: PMUE5869A)
Serial Number(s): 17520YX0001, 17520YX0004
Classification: General Population/Uncontrolled Environment
Firmware Version: NA 002
Applicant Name: Motorola Solutions Inc.
Applicant Address: 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322
FCC ID: AZ489FT4973

FCC Test Firm Registration Number: 823256
IC: 109U-89FT4973

ISED Test Site registration: 24843

The test results clearly demonstrate compliance with General Population/Uncontrolled 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 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)
Approval Date: 1/18/2023

Appendix D

System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/9/2023 11:22:47 AM

Robot#: DASY5-PG-1 | Run#: IRA(SHM)-SYSP-450H-230109-01
 Dipole Model# D450V3
 Phantom#: ELI4 1022
 Tissue Temp: 20.9 (C)
 Serial#: 1077
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.053dB
 Adjusted SAR (1W): 4.84mW/g (1g)

Comments:

Communication System Band: D450, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 450$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 42.3$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 450 MHz, ConvF(12.01, 12.01, 12.01) @ 450 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x221x1):

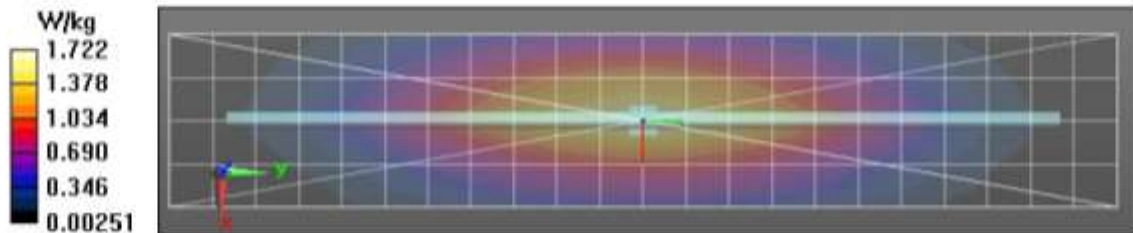
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 46.47 V/m; Power Drift = 0.19 dB
Fast SAR: SAR(1 g) = 1.36 W/kg; SAR(10 g) = 0.937 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.74 W/kg

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 = 46.47 V/m; Power Drift = 0.19 dB
 Peak SAR (extrapolated) = 1.93 W/kg
SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.803 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 = 63.6%
 Maximum value of SAR (measured) = 1.67 W/kg

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

grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 1.92 W/kg



Appendix E DUT Scans

Assessments at the Body (462.5500-462.7250 MHz) - Table 21

Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/10/2022 11:28:54 PM

Robot#: DASY5-PG-1 | Run#: AMF-AB-221210-17
 Model#: T600 (PMUE5712A)
 Phantom#: ELI4 1011
 Tissue Temp: 19.2 (C)
 Serial#: 17520YX0001
 Antenna: Fixed Antenna
 Test Freq: 462.6375 (MHz)
 Battery: PMNN4477A
 Carry Acc: PMLN7240A
 Audio Acc: GU6443A (1518)
 Start Power: 1.78 (W)

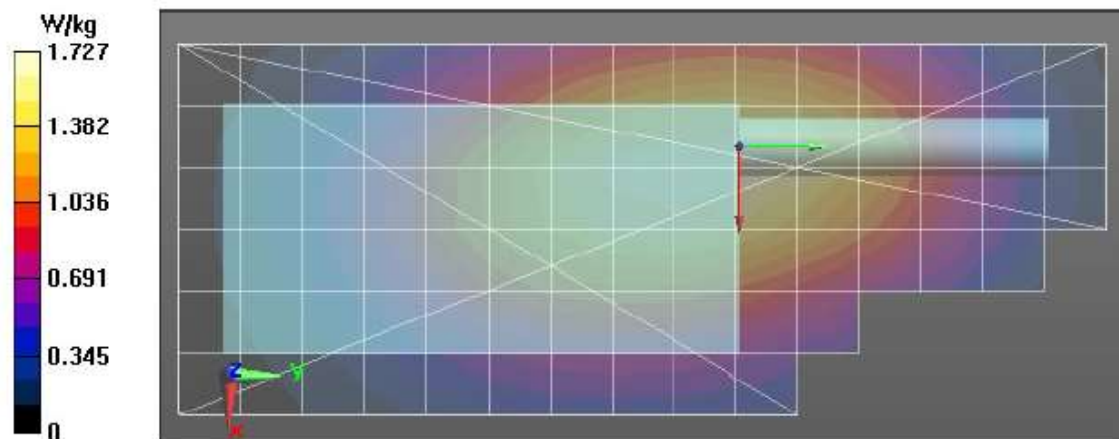
Comments:

Communication System Band: T482, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 463$ MHz; $\sigma = 0.84$ S/m; $\epsilon_r = 42.9$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 462.637 MHz, ConvF(12.01, 12.01, 12.01) @ 462.637 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 46.75 V/m; Power Drift = -0.96 dB
 Fast SAR: SAR(1 g) = 1.45 W/kg; SAR(10 g) = 1.05 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.74 W/kg

Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 52.36 V/m; Power Drift = -0.75 dB
 Peak SAR (extrapolated) = 2.24 W/kg
 SAR(1 g) = 1.64 W/kg; SAR(10 g) = 1.22 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 = 71.7%
 Maximum value of SAR (measured) = 2.00 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) = 1.57 W/kg



Assessments at the Face (462.5500-462.7250 MHz) - Table 23

Motorola Solutions, Inc. EME Laboratory
 Date/Time: 12/11/2022 7:12:17 AM

Robot#: DASY5-PG-1 | Run#: BL-FACE-221211-04#
 Model#: T600 (PMUE5712A)
 Phantom#: ELI4 1011
 Tissue Temp: 19.5 (C)
 Serial#: 17520YX0001
 Antenna: Fixed Antenna
 Test Freq: 462.6375 (MHz)
 Battery: PMNN4477A
 Carry Acc: @ front
 Audio Acc: N/A
 Start Power: 1.78 (W)

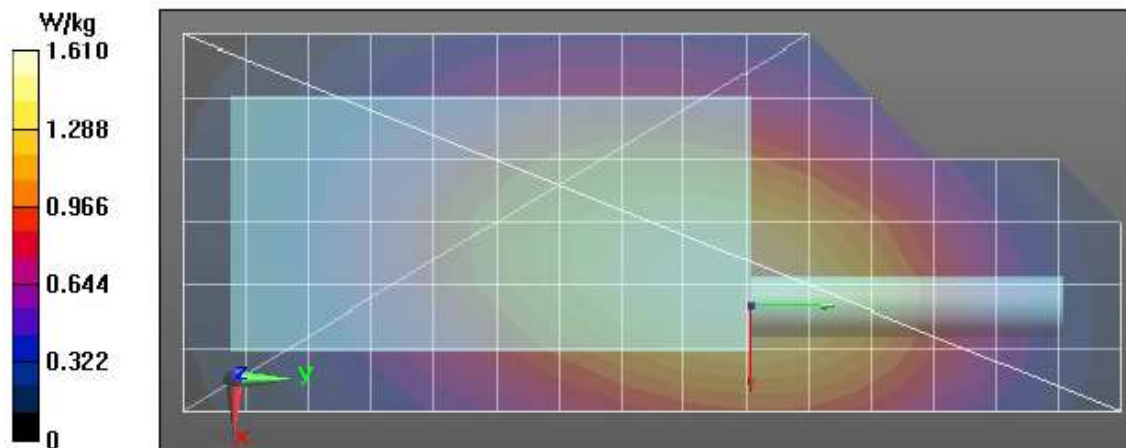
Comments:

Communication System Band: T482, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 463 \text{ MHz}$; $\sigma = 0.84 \text{ S/m}$; $\epsilon_r = 42.9$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 462.637 MHz, ConvF(12.01, 12.01, 12.01) @ 462.637 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x151x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 43.63 V/m; Power Drift = -0.60 dB
 Fast SAR: SAR(1 g) = 1.35 W/kg; SAR(10 g) = 0.980 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.62 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 = 43.63 V/m; Power Drift = -0.81 dB
 Peak SAR (extrapolated) = 1.68 W/kg
 SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.903 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 = 71.3%
 Maximum value of SAR (measured) = 1.50 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) = 1.46 W/kg



Assessment at the Body (467.5625 – 467.7125 MHz) – Table 27

Motorola Solutions, Inc. EME Laboratory
 Date/Time: 12/11/2022 7:49:47 PM

Robot#: DASY5-PG-1 | Run#: AMF-AB-221211-16
 Model#: T600 (PMUE5712A)
 Phantom#: ELI4 1011
 Tissue Temp: 20.3 (C)
 Serial#: 17520YX0001
 Antenna: Fixed Antenna
 Test Freq: 467.6375 (MHz)
 Battery: 3x AA Alkaline
 Carry Acc: PMLN7220A
 Audio Acc: 53725C
 Start Power: 0.44 (W)

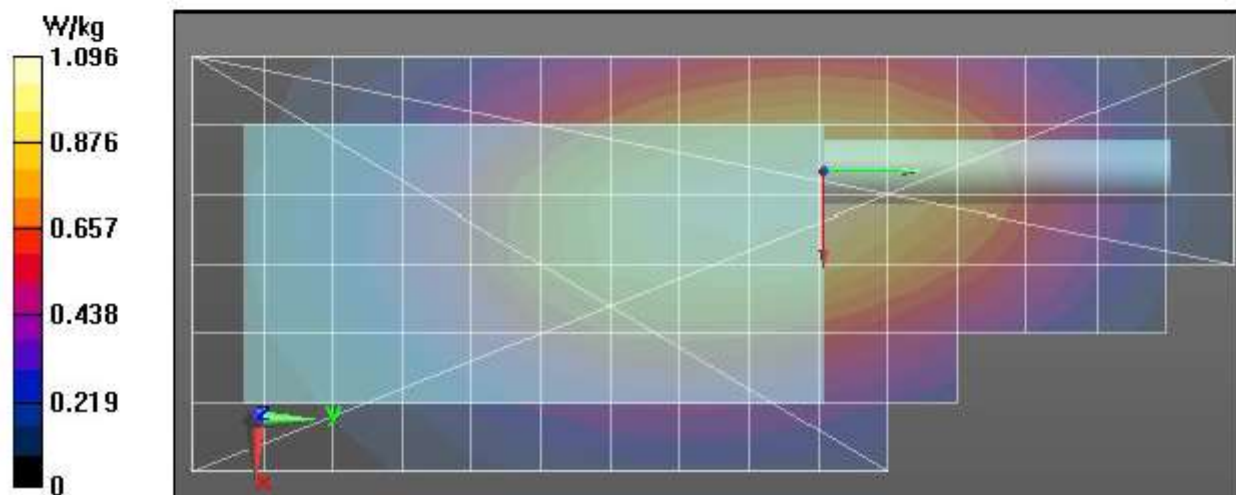
Comments:

Communication System Band: T482, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 468 \text{ MHz}$; $\sigma = 0.87 \text{ S/m}$; $\epsilon_r = 43$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 467.637 MHz, ConvF(12.01, 12.01, 12.01) @ 467.637 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x151x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 36.17 V/m; Power Drift = -0.75 dB
 Fast SAR: SAR(1 g) = 0.897 W/kg; SAR(10 g) = 0.652 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.11 W/kg

Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$,
 $dy=7.5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 36.17 V/m; Power Drift = -1.03 dB
 Peak SAR (extrapolated) = 1.16 W/kg
 SAR(1 g) = 0.820 W/kg; SAR(10 g) = 0.603 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 = 71.3%
 Maximum value of SAR (measured) = 1.03 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) = 0.982 W/kg



Assessments at the Face (467.5625 – 467.7125 MHz) - Table 29

Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/10/2023 3:10:31 PM

Robot#: DASY5-PG-1 | Run#: AMF(EMR)-FACE-230110-02
 Model#: T600 (PMUE5712A)
 Phantom#: ELI4 1022
 Tissue Temp: 21.2 (C)
 Serial#: 17520YX0004
 Antenna: Fixed Antenna
 Test Freq: 467.6375 (MHz)
 Battery: PMNN4477A
 Carry Acc: @ front
 Audio Acc: N/A
 Start Power: 0.341 (W)

Comments:

Communication System Band: T600, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 468 \text{ MHz}$; $\sigma = 0.89 \text{ S/m}$; $\epsilon_r = 41.3$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 467.637 MHz, ConvF(12.01, 12.01, 12.01) @ 467.637 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

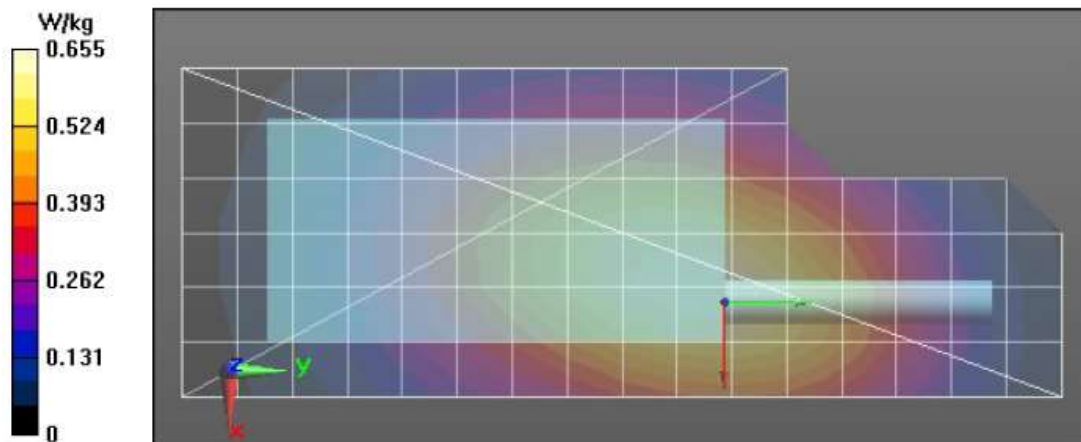
Reference Value = 27.54 V/m; Power Drift = -0.71 dB
 Fast SAR: SAR(1 g) = 0.537 W/kg; SAR(10 g) = 0.391 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 0.661 W/kg

Below 2 GHz-Rev.3/Face Scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 27.54 V/m; Power Drift = -0.79 dB
 Peak SAR (extrapolated) = 0.704 W/kg
 SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.370 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
 Ratio of SAR at M2 to SAR at M1 = 70.7%
 Maximum value of SAR (measured) = 0.631 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) = 0.620 W/kg



APPENDIX F
Shortened Scan of Highest SAR configuration

**Shortened Scan
Table 30**

Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/4/2023 12:33:53 AM

Robot#: DASY5-PG-1 | Run#: AMF(EMR)-AB-230104-01#
 Model#: T600 (PMUE5712A)
 Phantom#: ELI4 1011
 Tissue Temp: 20.2 (C)
 Serial#: 17520YX0001
 Antenna: Fixed Antenna
 Test Freq: 462.6375 (MHz)
 Battery: PMNN4477A
 Carry Acc: PMLN7240A
 Audio Acc: GU6443A (1518)
 Start Power: 1.78 (W)

Comments:

Communication System Band: T482, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 463 \text{ MHz}$; $\sigma = 0.89 \text{ S/m}$; $\epsilon_r = 42.6$; $\rho = 1000 \text{ kg/m}^3$

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 462.637 MHz, ConvF(12.01, 12.01, 12.01) @ 462.637 MHz

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

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x151x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 47.54 V/m; Power Drift = -1.16 dB

Fast SAR: SAR(1 g) = 1.3 W/kg; SAR(10 g) = 0.945 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.60 W/kg

Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 50.52 V/m; Power Drift = -0.76 dB

Peak SAR (extrapolated) = 2.14 W/kg

SAR(1 g) = 1.54 W/kg; SAR(10 g) = 1.14 W/kg (SAR corrected for target medium)

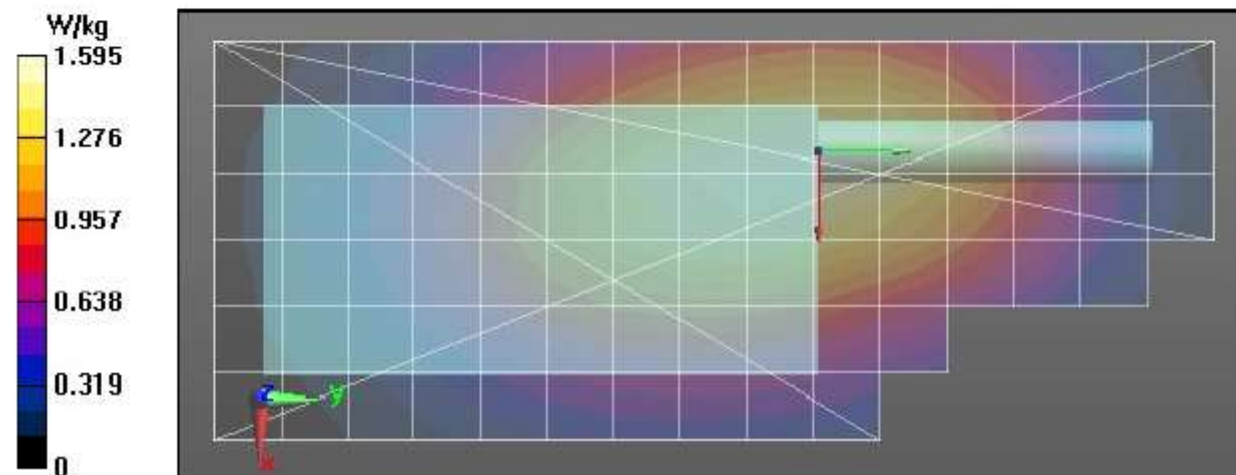
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 71.9%

Maximum value of SAR (measured) = 1.93 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) = 1.41 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)	30	7	1.13
Shorten scan (zoom)	25	7	1.20

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