


**MOTOROLA**


TESTING CERT # 2518.01

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

**Enterprise Mobility Solutions**  
**EME Test Laboratory**  
 8000 West Sunrise Blvd  
 Fort Lauderdale, FL. 33322.

**Date of Report:** 12/22/10  
**Report Revision:** O  
**Report ID:** SAR rpt\_PMUE3564A\_CLP\_Rev O  
 \_101222 SR9161

**Responsible Engineer:** Deanna Zakharia – Senior Resource Mgr.  
**Report Author:** Deanna Zakharia – Senior Resource Mgr.  
**Date/s Tested:** 12/20/10 – 12/21/10  
**Manufacturer/Location:** Motorola, Penang  
**Sector/Group/Div.:** EMS  
**Date submitted for test:** 12/20/10  
**DUT Description:** CLP1040A , UHF, 4 channels, Non-Display, Fixed Antenna, 1 Watt, Black, Lithium Ion.  
  
**Test TX mode(s):** CW (PTT)  
**Max. Power output:** 1.1W  
**Nominal Power:** 1.0W  
**Tx Frequency Bands:** 450-470MHz  
**Signaling type:** FM  
**Model(s) Tested:** PMUE3564A  
**Model(s) Certified:** PMUE3564A  
**Serial Number(s):** 134TLGF913  
**Classification:** Occupational/ Controlled  
**FCC ID:** AZ489FT4902; Rule Part 90  
**IC ID:** 109U-89FT4902

**DUT Photo**  
 (Refer to Exhibit 7B)

\* Refer to section 15 of part 1 for highest SAR summary results.

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 47 CFR 2.1093(d). The 10 grams result is not applicable to FCC filing.  
 The test results clearly demonstrate compliance with ICNIRP (1998) Guidelines for limiting exposure in time-varying electric, magnetic, and electromagnetic fields (up to 300 GHz), Health Physics 74, 494-522 RF Exposure limits of 2W/kg averaged over 10 grams of contiguous tissue.

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 3.0 of this report. This report shall not be reproduced without written approval from an officially designated representative of the Motorola 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.

*Deanna Zakharia – Signature on file*  
**Deanna Zakharia**  
**EMS EME Lab Senior Resource Manager,**  
**Laboratory Director**

**Approval Date:** 12/22/2010

**Certification Date:** 12/22/2010

**Certification No.:** L1101259

## Appendix D

### Test System Verification Scans

The SAR result indicated on the Manufacture's Calibrated certificate for dipole D450V2 SN 1001 was not used due to the following:

-- The IEEE1528-2003 section 8.2 System Check states the following which is consistent with FCC OET-65 Supplement C guidelines.

"The system check must be performed using the specified tissue-equivalent liquid and at a chosen fixed frequency that is within  $\pm 10\%$  of the compliance test mid-band frequency. System checks are performed prior to compliance tests and the results must always be within  $\pm 10\%$  of the target value corresponding to the test frequency, liquid, and the source used."

-- SPEAG calibration certificates indicate that the allowed tolerance for this dipole is higher than  $\pm 10\%$  (e.g. 5.05  $\pm$  18.1% at k=2 for the D450V2 S/N 1001).

-- The allowed tolerance for the probes is also higher than  $\pm 10\%$  (e.g. 13.3% at k=2 at 450MHz for the probe being used to assess this product).

Due to probe, dipole and system tolerances noted above, the lab averages dipole results across multiple probes to establish a set of averaged targets for each dipole using the following procedure:

- The System Validation was conducted per IEEE1528-2003 and IEC62209-2 Edition 1.0 2010-03 standards using the simulated head tissue and multiple probes that are available and applicable for the dipole under test to verify the System Validation. Results for this dipole are within the measurement system uncertainty of the reference SAR values indicated within the IEC62209-2 Edition 1.0 2010-03 when using flat phantom with 2mm thickness is used. These results then are averaged and used as the target for the daily system performance check when the simulated head tissue is used.
- The dipole targets for the body are set immediately following the same process noted above. Since there is no standard referencing the SAR values for the System Validation using the simulated body tissue, the compliant System Validation results using the simulated head tissue are used to justify the use of the System Validation results using the simulated body tissue due to the same setup except for the simulated tissue type.

The targets set in this report were conducted following the above process.

Note that the targets set for the tested dipoles, when using the simulated head tissue, meets the requirement for the system validation per IEEE1528-2003 and the latest draft of IEC62209-2 (10/3/08) IEC62209-2 Edition 1.0 2010-03 standards. The difference between these results and the results from the manufacture's dipole calibration certificates are 9.7% for D450V2 S/N 1001 dipole which are well within the measurement uncertainty of the measurement system at k=2.

To assess the isotropic characteristics of the measurement probe, a probe rotation was performed using the "Rotation (1D)" function in the DASY software with a measured isotropy tolerance of  $\pm 0.5\text{dB}$ .

# Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 12/20/2010 5:54:22 AM

Robot# / Run#: DASY4-FL-2 / ErC-SYSP-450H-101220-01

Phantom# / Tissue Temp.: OVAL1011 / 20.9 (C)

Dipole Model# / Serial#: D450V2 / 1001

TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.72 mW/g (1g)

Adjusted SAR (1W): 4.56 mW/g (1g)

Percent from Target (+/-): 3.4 % (1g)

Rotation (1D): 0.049 dB

## Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 1.14 mW/g (1g); 0.75 mW/g (10g)

## Comments:

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(6.43, 6.43, 6.43)

Electronics: DAE4 Sn729, Calibrated: 9/24/2010

Duty Cycle: 1:1, Medium parameters used:  $f = 450$  MHz;  $\sigma = 0.88$  mho/m;  $\epsilon_r = 42.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**System Performance Check/0-Degree Cube (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 37.5 V/m; Power Drift = -0.018 dB

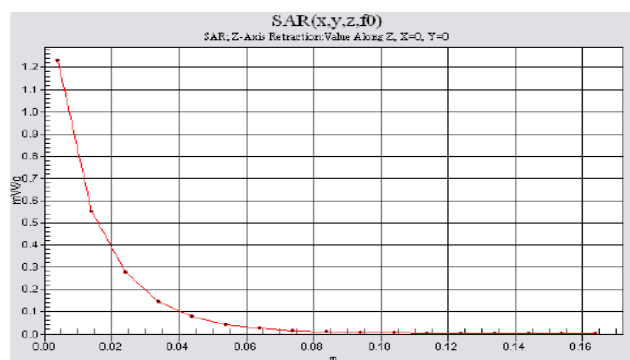
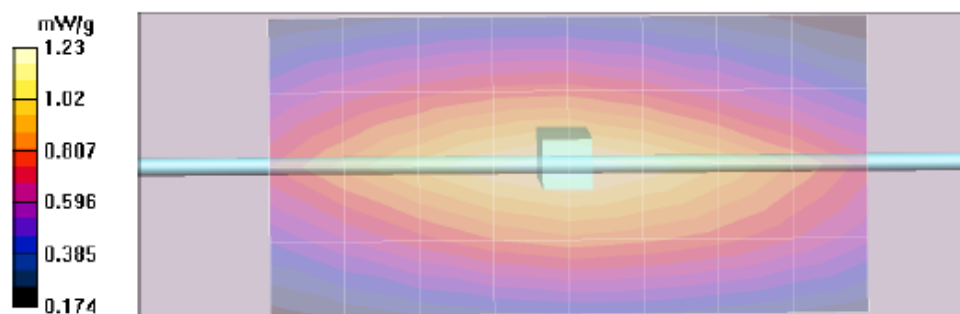
Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.750 mW/g

Maximum value of SAR (measured) = 1.23 mW/g

**System Performance Check/Dipole Area Scan 2 (5x9x1):** Measurement grid: dx=15mm, dy=15mm

**System Performance Check/Z-Axis Retraction (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm



# Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 12/21/2010 10:45:46 AM

Robot# / Run#: DASY4-FL-2 / ErC-SYSP-450B-101221-07

Phantom# / Tissue Temp.: OVAL1090 / 20.9 (C)

Dipole Model# / Serial#: D450V2 / 1001

TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.32 mW/g (1g)

Adjusted SAR (1W): 4.24 mW/g (1g)

Percent from Target (+/-): 1.9 % (1g)

Rotation (1D): 0.08 dB

## Note:

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 1.06 mW/g (1g); 0.704 mW/g (10g)

## Comments:

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(6.82, 6.82, 6.82)

Electronics: DAE4 Sn729, Calibrated: 9/24/2010

Duty Cycle: 1:1, Medium parameters used:  $f = 450$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 55.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

## System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 34.9 V/m; Power Drift = -0.0363 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.704 mW/g

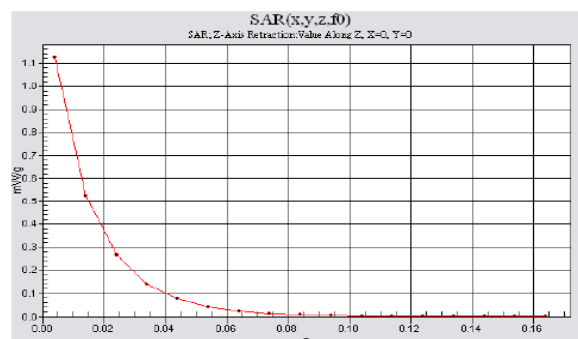
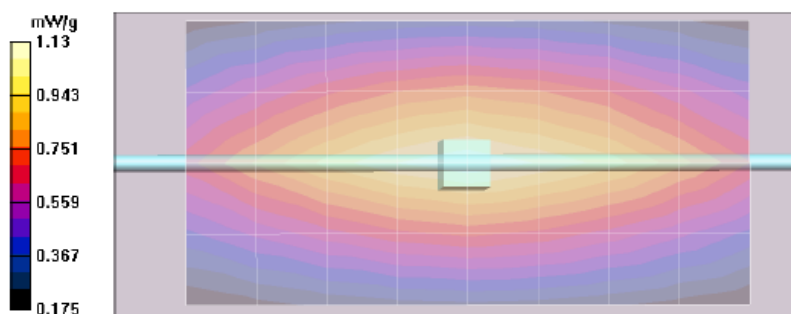
Maximum value of SAR (measured) = 1.14 mW/g

## System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.13 mW/g

## System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 1.12 mW/g



**DIPOLE SAR TARGET - HEAD**

Date: 06/09/10 Frequency (MHz): 450  
 Lab Location: FL08 Mixture Type: IEEE Head  
 DAE Serial #: 729 Ambient Temp.(°C): 22

Tissue Characteristics  
 Permittivity: 42.6 Phantom Type/SN: OVAL1021  
 Conductivity: 0.90 Distance (mm): 15  
 Tissue Temp.(°C): 20.5

Reference Source: Dipole Power to Dipole: 250 mW  
 Reference SN: 1001

Target 1g-SAR Value (mW/g, normalized to 1.0 W):

**4.58**

Difference from Target

**3.06% (1g-SAR)**

New Target:

Average 1g-SAR Value (mW/g):

**4.72****Passes K=2**

Percent Difference From Target (MUST be within k=2 Uncertainty):

Probe SN #s	1g-SAR (Cube)	Diff from Ave	Robot
3147	4.60	-2.5%	R2
3007	4.84	2.5%	R2
3163	4.72	0.0%	R2
Average	<b>4.7200</b>	New Measured SAR Value	

(normalized to 1.0 W)

Test performed by: Ed Church Initial: EC

Motorola Internal Use Only

FCD-0733 Rev. 6

**DIPOLE SAR TARGET - BODY**

Date: 06/09/10 Frequency (MHz): 450  
 Lab Location: FL08 Mixture Type: Body  
 DAE Serial #: 729 Ambient Temp.(°C): 21.8

Tissue Characteristics  
 Permittivity: 54.8 Phantom Type/SN: OVAL1018  
 Conductivity: 0.91 Distance (mm): 15  
 Tissue Temp.(°C): 20.9

Reference Source: Dipole Power to Dipole: 250 mW  
 Reference SN: 1001

**New Target:**

Average Measured SAR Value: 4.32 mW/g(1g avg.),

Probe SN #s	1-G Cube	Diff from Ave	Robot
3163	4.24	-1.9%	R2
3007	4.52	4.6%	R2
3147	4.20	-2.8%	R2
Average		New Measured SAR Value	

(normalized to 1.0 W)

Test performed by: Ed Church Initial: EC

Motorola Internal Use Only

FCD-0733 Rev.6

## **Appendix E**

### **DUT Scans (Shortened Scan and Highest SAR configurations)**

## Shortened Scan Result (Section 13.5, Table 17)

### Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 12/21/2010 7:17:57 PM

Robot# / Run#: DASY4-FL-2 / CM-Ab-101221-18  
 Phantom# / Tissue Temp.: OVAL1090 / 20.7 (C)  
 DUT Model# / Serial#: PMUE3564A / 134TLGF903  
 Antenna / TX Freq.: Fixed (internal) / 450.0000 (MHz)  
 Battery: HKNN4014A (SNN5819B) with battery cover HKLN4433A  
 Carry Acc. / Cable Acc.: HKLN4433A / HKLN4435A  
 Start Power: 1.0 (W)

**Note:**

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.86 mW/g (1g); 1.79 mW/g (10g)

**Comments:**

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(6.82, 6.82, 6.82)

Electronics: DAE4 Sn729, Calibrated: 9/24/2010

Duty Cycle: 1:1, Medium parameters used:  $f = 460$  MHz;  $\sigma = 0.96$  mho/m;  $\epsilon_r = 55.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**Ab Scan/1-Area Scan (71x71x1):** Measurement grid: dx=8mm, dy=8mm

Reference Value = 51.3 V/m; Power Drift = -0.265 dB

Motorola Fast SAR: SAR(1 g) = 2.4 mW/g; SAR(10 g) = 1.72 mW/g

Maximum value of SAR (interpolated) = 2.56 mW/g

**Ab Scan/3-Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 55.5 V/m; Power Drift = -0.265 dB

Peak SAR (extrapolated) = 4.73 W/kg

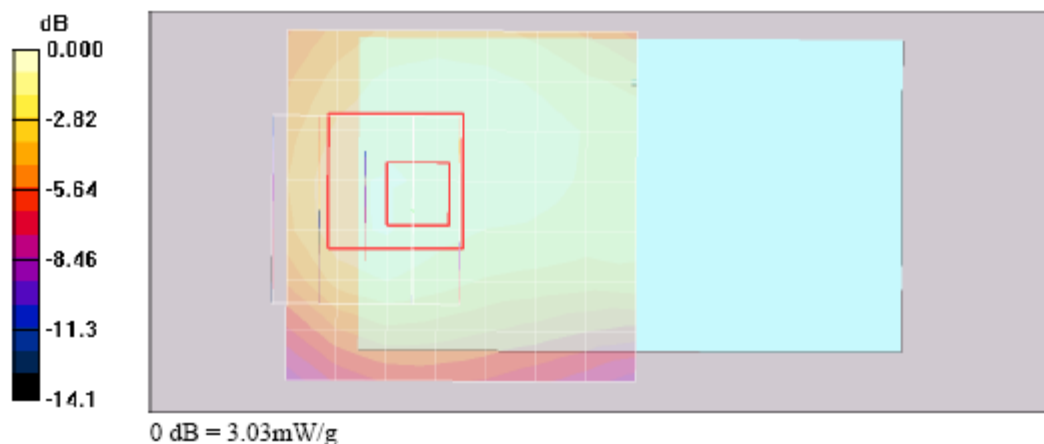
SAR(1 g) = 2.86 mW/g; SAR(10 g) = 1.79 mW/g

Shorten scan reflect the highest SAR producing configuration; approximate run time 16 minutes.

Representative full scan run time was 24 minutes.

“Shortened” scan max calculated SAR using SAR drift: 1-g Avg. = 1.67mW/g; 10-g Avg. = 1.05mW/g

Zoom scan max calculated SAR using SAR drift (see part 1 section 13.5): 1-g Avg.=1.86mW/g; 10-g Avg.=1.14mW/g





## Body – Highest SAR Configuration Result (Section 13.2, Table 14)

**Motorola Enterprise Mobility Solutions EME Laboratory**  
Date/Time: 12/21/2010 1:49:17 PM

Robot# / Run#: DASY4-FL-2 / EtC-Ab-101221-10  
Phantom# / Tissue Temp.: OVAL1090 / 20.8 (C)  
DUT Model# / Serial#: PMUE3564A / 134TLGF903  
Antenna / TX Freq.: Fixed (internal) / 450.0000 (MHz)  
Battery: HKNN4014A (SNN5819B) with battery cover HKLN4433A  
Carry Acc. / Cable Acc.: HKLN4433A / HKLN4435A  
Start Power: 1.0 (W)

**Note:**

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.92 mW/g (1g); 1.78 mW/g (10g)

**Comments:**

Duty Cycle: 1:1, Medium parameters used:  $f = 460$  MHz;  $\sigma = 0.96$  mho/m;  $\epsilon_r = 55.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**Ab Scan/1-Area Scan (7x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.59 mW/g

**Ab Scan/3-Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 51.1 V/m; Power Drift = -0.648 dB

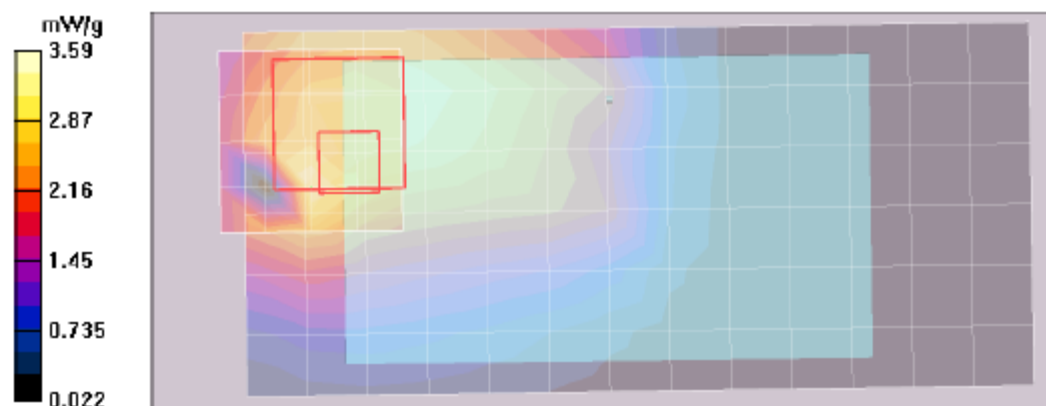
Peak SAR (extrapolated) = 4.44 W/kg

SAR(1 g) = 2.92 mW/g; SAR(10 g) = 1.78 mW/g

Maximum value of SAR (measured) = 3.35 mW/g

**Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 2.83 mW/g



## **Appendix F**

### **DUT Scans**

## Section 1.0

### Assessments at the Body (CW mode) – CLP Magnetic holster HKLN4433A with offered audio accessories (Section 13.1 Table 13)

#### Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 12/20/2010 5:53:57 PM

Robot# / Run#: DASY4-FL-2 / CM-Ab-101220-11  
Phantom# / Tissue Temp.: OVAL1090 / 20.7 (C)  
DUT Model# / Serial#: PMUE3564A / 134TLGF903  
Antenna / TX Freq.: Fixed (internal) / 460.0000 (MHz)  
Battery: HKNN4014A (SNN5819B) with battery cover HKLN4433A  
Carry Acc. / Cable Acc.: HKLN4433A / HKLN4435A  
Start Power: 0.99 (W)

**Note:**

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 1.91 mW/g (1g); 1.29 mW/g (10g)

**Comments:**

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(6.82, 6.82, 6.82)

Electronics: DAE4 Sn729, Calibrated: 9/24/2010

Duty Cycle: 1:1, Medium parameters used:  $f = 460$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 56.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**Ab Scan/1-Area Scan (61x131x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 48.3 V/m; Power Drift = -0.543 dB

Motorola Fast SAR: SAR(1 g) = 2.01 mW/g; SAR(10 g) = 1.46 mW/g

Maximum value of SAR (interpolated) = 2.19 mW/g

**Ab Scan/3-Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 48.3 V/m; Power Drift = -0.543 dB

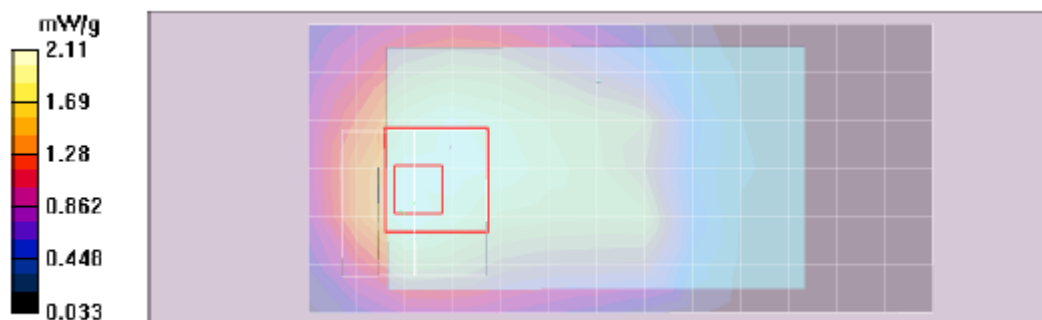
Peak SAR (extrapolated) = 3.16 W/kg

SAR(1 g) = 1.91 mW/g; SAR(10 g) = 1.29 mW/g

Maximum value of SAR (measured) = 2.03 mW/g

**Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 1.98 mW/g



## Section 1.0

### Assessments at the Body (CW mode) – CLP Magnetic holster HKLN4433A with offered audio accessories (Section 13.1 Table 13)

#### Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 12/20/2010 7:11:05 PM

Robot# / Run#: DASY4-FL-2 / CM-Ab-101220-14  
Phantom# / Tissue Temp.: OVAL1090 / 20.6 (C)  
DUT Model# / Serial#: PMUE3564A / 134TLGF913  
Antenna / TX Freq.: Fixed (internal) / 460.0000 (MHz)  
Battery: HKNN4014A (SNN5819B) with battery cover HKLN4433A  
Carry Acc. / Cable Acc.: HKLN4433A / HKLN4437A  
Start Power: 0.96 (W)

**Note:**

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 1.94 mW/g (1g); 1.30 mW/g (10g)

**Comments:**

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(6.82, 6.82, 6.82)

Electronics: DAE4 Sn729, Calibrated: 9/24/2010

Duty Cycle: 1:1, Medium parameters used:  $f = 460$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 56.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**Ab Scan/1-Area Scan (9x11x1):** Measurement grid: dx=8mm, dy=8mm

Maximum value of SAR (measured) = 2.14 mW/g

**Ab Scan/1-Area Scan (81x101x1):** Measurement grid: dx=8mm, dy=8mm

Reference Value = 48.0 V/m; Power Drift = -0.495 dB

Motorola Fast SAR: SAR(1 g) = 2.05 mW/g; SAR(10 g) = 1.47 mW/g

Maximum value of SAR (interpolated) = 2.21 mW/g

**Ab Scan/3-Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 48.0 V/m; Power Drift = -0.495 dB

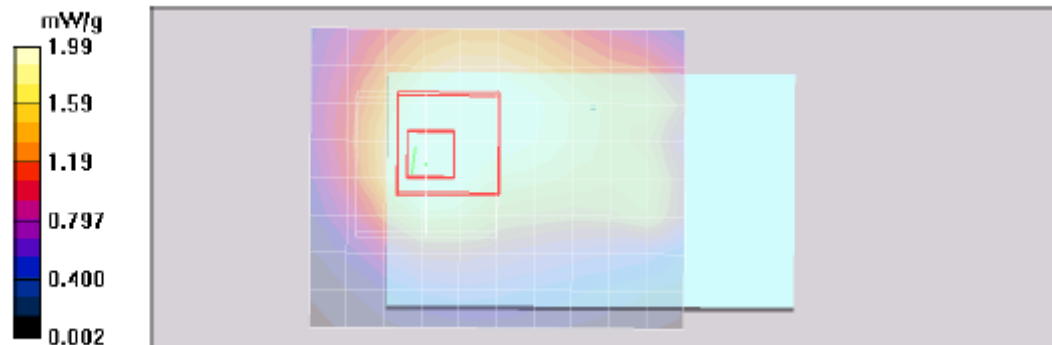
Peak SAR (extrapolated) = 3.21 W/kg

SAR(1 g) = 1.94 mW/g; SAR(10 g) = 1.3 mW/g

Maximum value of SAR (measured) = 2.07 mW/g

**Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 1.99 mW/g



## Section 2.0

Assessments at the Body (CW mode) – CLP Magnetic holster HKLN4433A for other frequencies  
(Section 13.2 Table 14)

### Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 12/21/2010 1:49:17 PM

Robot# / Run#: DASY4-FL-2 /ErC-Ab-101221-10  
Phantom# / Tissue Temp.: OVAL1090 / 20.8 (C)  
DUT Model# / Serial#: PMUE3564A / 134TLGF903  
Antenna / TX Freq.: Fixed (internal) / 450.0000 (MHz)  
Battery: HKNN4014A (SNN5819B) with battery cover HKLN4433A  
Carry Acc. / Cable Acc.: HKLN4433A / HKLN4435A  
Start Power: 1.0 (W)

**Note:**

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.92 mW/g (1g); 1.78 mW/g (10g)

**Comments:**

Duty Cycle: 1:1, Medium parameters used:  $f = 460$  MHz;  $\sigma = 0.96$  mho/m;  $\epsilon_r = 55.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**Ab Scan/1-Area Scan (7x14x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.59 mW/g

**Ab Scan/3-Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 51.1 V/m; Power Drift = -0.648 dB

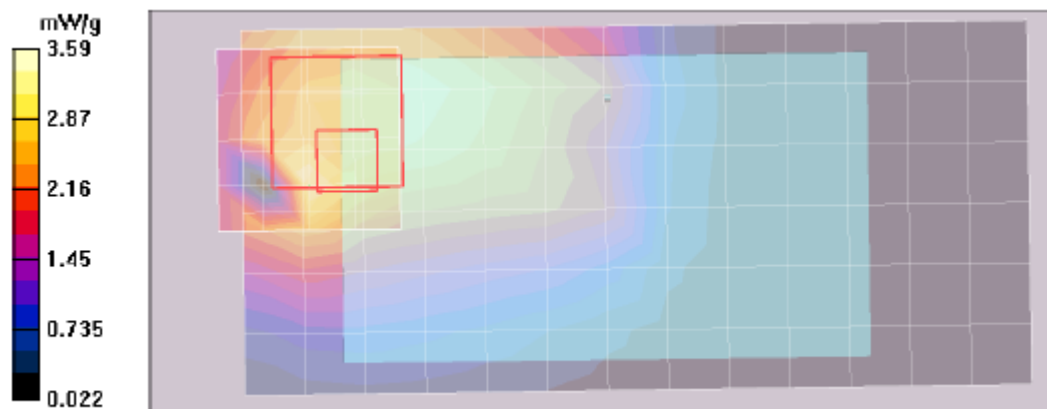
Peak SAR (extrapolated) = 4.44 W/kg

SAR(1 g) = 2.92 mW/g; SAR(10 g) = 1.78 mW/g

Maximum value of SAR (measured) = 3.35 mW/g

**Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 2.83 mW/g



### Section 3.0

#### Assessments at the Body (CW mode) – Swivel belt holster CLP HKLN4438A with offered batteries and audio accessories (Section 13.3 Table 15)

#### Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 12/20/2010 8:51:46 PM

Robot# / Run#: DASY4-FL-2 / CM-Ab-101220-17  
Phantom# / Tissue Temp.: OVAL1090 / 20.6 (C)  
DUT Model# / Serial#: PMUE3564A / 134TLGF903  
Antenna / TX Freq.: Fixed (internal) / 460.0000 (MHz)  
Battery: HKNN4014A (SNN5819B) with regular battery cover  
Cary Acc. / Cable Acc.: HKLN4438A / HKLN4437A  
Start Power: 0.99 (W)

**Note:**

Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 1.01 mW/g (1g); 0.717 mW/g (10g)

**Comments:**

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(6.82, 6.82, 6.82)

Electronics: DAE4 Sn729, Calibrated: 9/24/2010

Duty Cycle: 1:1, Medium parameters used:  $f = 460$  MHz;  $\sigma = 0.97$  mho/m;  $\epsilon_r = 56.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**Ab Scan/1-Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 34.2 V/m; Power Drift = -0.238 dB

Motorola Fast SAR: SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.790 mW/g

Maximum value of SAR (interpolated) = 1.12 mW/g

**Ab Scan/2-Volume 2D Scan (41x41x1):** Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 34.2 V/m; Power Drift = -0.253 dB

Peak SAR (extrapolated) = 1.09 W/kg

Motorola Fast SAR: SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.768 mW/g

Maximum value of SAR (interpolated) = 1.09 mW/g

**Ab Scan/3-Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 34.2 V/m; Power Drift = -0.362 dB

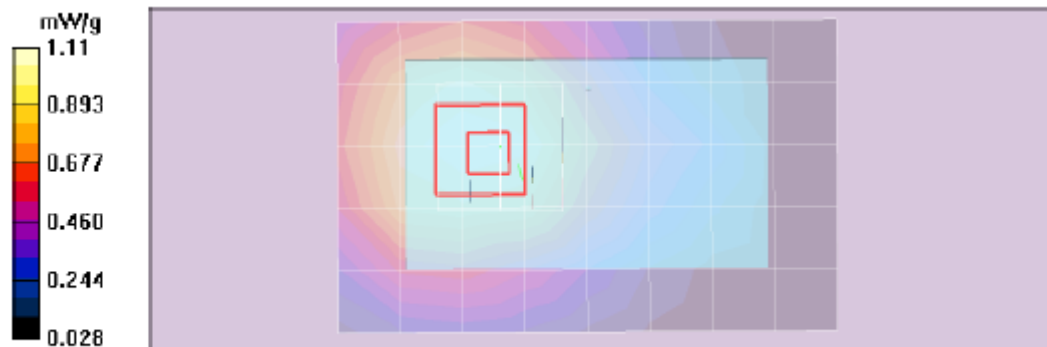
Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.717 mW/g

Maximum value of SAR (measured) = 1.07 mW/g

**Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 1.04 mW/g



**Section 4.0**

**Assessments at the Body (CW mode) – Swivel belt holster CLP HKLN4438A for other frequencies  
(Section 13.4 Table 16)**

**(SCAN IS SAME AS SECTION 3.0)**

## **Appendix G**

### **DUT Test Position Photos**

Photos available in Exhibit 7B



## **Appendix H**

### **DUT and Body worn Accessory Photos**

Photos available in Exhibit 7B