MOTOROLA

ACCREDITED
TESTING CERT # 2518.01

**FCC ID: IHDP56KY1**
**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:** 01/13/2010
**Report Revision:** O
**Report ID:** SAR rpt_H88XAH6JR2AN_Rev O_01132010_SR7814

| | |
|---|---|
| **Responsible Engineer:** | Stephen C. Whalen (Principal Staff Eng.) |
| **Report Author:** | Stephen C. Whalen (Principal Staff Eng.) |
| **Date/s Tested:** | 12/04/09 – 12/14/09, 01/08/10 |
| **Manufacturer/Location:** | China |
| **Sector/Group/Div.:** | iDEN Mobile Devices |
| **Date submitted for test:** | 11/23/09 |
| **DUT Description:** | TDMA: 236:310 WiDEN (76.1%), 81:120, 2:6, 1:12, and 1:6; M64QAM, M16QAM, and QPSK Modulations; 0.6 W Pulse Avg; MOTOtalk: 114:120 8FSK; 0.85 W nominal (GPS and Bluetooth Capable). |
| **Test TX mode(s):** | Phone 1:3, Dispatch 1:6, Data 236:310 and MOTOtalk:114:120 |
| **Max. Power output:** | 0.64 W pulsed average conducted power (iDEN/WiDEN); 0.891 W (MOTOtalk); 0.0025 W (Bluetooth) |
| **Nominal Power:** | 0.60 W pulsed average conducted power (iDEN); 0.85 W (MOTOtalk); 0.001 W (Bluetooth) |
| **Tx Frequency Bands:** | 806-825, 896-902 MHz (iDEN); 902-928 MHz (MOTOtalk); 2.402-2.480 GHz (Bluetooth) |
| **Signaling type:** | TDMA: QPSK, M16-QAM, M64-QAM; FHSS: 8FSK (PTT); BT |
| **Model(s) Tested:** | H88XAH6JR2AN |
| **Model(s) Certified:** | H88XAH6JR2AN |
| **Serial Number(s):** | 364VKUTFS8, 364VKUPGSJ |
| **Classification:** | General Population/Uncontrolled |
| **Rule Part(s):** | 15 & 90 |

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

**Max. Calc. : 1-g Avg. SAR: 1.09 W/kg (Body); 10-g Avg. SAR: 0.79 W/kg (Body)**
**Max. Calc. : 1-g Avg. SAR: 1.43 W/kg (Head); 10-g Avg. SAR: 1.00 W/kg (Head)**
**Max. Calc. : 1-g Avg. SAR: 0.97 W/kg (Face); 10-g Avg. SAR: 0.69 W/kg (Face)**

The test results clearly demonstrate compliance with FCC General Population/Uncontrolled RF Exposure limits of 1.6 W/kg averaged over 1 gram per the requirements of 47 CFR 2.1093(d).
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 2.0 W/kg averaged over 10grams 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.**

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

**Approval Date:** 01/13/10

**Certification Date**: 01/13/10

**Certification No**.: L1100101P

# APPENDIX C
# Dipole Calibration Certificates

**Calibration Laboratory of**
Schmid & Partner
Engineering AG
**Zeughausstrasse 43, 8004 Zurich, Switzerland**

S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
S Servizio svizzero di taratura
S Swiss Calibration Service

**Accredited by the Swiss Accreditation Service (SAS)**
**The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates**

**Accreditation No.: SCS 108**

**Client** **Motorola CGISS** **Certificate No: D900V2-085_Aug08**

# CALIBRATION CERTIFICATE

| | |
|---|---|
| Object | D900V2 - SN: 085 |
| Calibration procedure(s) | QA CAL-05.v7<br>Calibration procedure for dipole validation kits |
| Calibration date: | August 25, 2008 |
| Condition of the calibrated item | In Tolerance |

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards | ID # | Cal Date (Certificate No.) | Scheduled Calibration |
|---|---|---|---|
| Power meter EPM-442A | GB37480704 | 04-Oct-07 (No. 217-00736) | Oct-08 |
| Power sensor HP 8481A | US37292783 | 04-Oct-07 (No. 217-00736) | Oct-08 |
| Reference 20 dB Attenuator | SN: 5086 (20g) | 01-Jul-08 (No. 217-00864) | Jul-09 |
| Type-N mismatch combination | SN: 5047.2 / 06327 | 01-Jul-08 (No. 217-00867) | Jul-09 |
| Reference Probe ES3DV2 | SN: 3025 | 28-Apr-08 (No. ES3-3025_Apr08) | Apr-09 |
| DAE4 | SN 601 | 14-Mar-08 (No. DAE4-601_Mar08) | Mar-09 |

| Secondary Standards | ID # | Check Date (in house) | Scheduled Check |
|---|---|---|---|
| Power sensor HP 8481A | MY41092317 | 18-Oct-02 (in house check Oct-07) | In house check: Oct-09 |
| RF generator R&S SMT-06 | 100005 | 4-Aug-99 (in house check Oct-07) | In house check: Oct-09 |
| Network Analyzer HP 8753E | US37390585 S4206 | 18-Oct-01 (in house check Oct-07) | In house check: Oct-08 |

| | Name | Function | Signature |
|---|---|---|---|
| Calibrated by: | Jeton Kastrati | Laboratory Technician | |
| Approved by: | Katja Pokovic | Technical Manager | |

Issued: August 26, 2008

**Calibration Laboratory of**
Schmid & Partner
Engineering AG
**Zeughausstrasse 43, 8004 Zurich, Switzerland**

**S** Schweizerischer Kalibrierdienst
**C** Service suisse d'étalonnage
**S** Servizio svizzero di taratura
**S** Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS) **Accreditation No.: SCS 108**
**The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates**

**Glossary:**

| | |
|---|---|
| TSL | tissue simulating liquid |
| ConvF | sensitivity in TSL / NORM x,y,z |
| N/A | not applicable or not measured |

**Calibration is Performed According to the Following Standards:**

a) IEEE Std 1528-2003, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", December 2003
b) IEC 62209-1, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005
c) Federal Communications Commission Office of Engineering & Technology (FCC OET), "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields; Additional Information for Evaluating Compliance of Mobile and Portable Devices with FCC Limits for Human Exposure to Radiofrequency Emissions", Supplement C (Edition 01-01) to Bulletin 65

**Additional Documentation:**

d) DASY4/5 System Handbook

**Methods Applied and Interpretation of Parameters:**

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL:* The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured:* SAR measured at the stated antenna input power.
- *SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters:* The measured TSL parameters are used to calculate the nominal SAR result.

## Measurement Conditions

DASY system configuration, as far as not given on page 1.

| | | |
|---|---|---|
| **DASY Version** | DASY5 | V5.0 |
| **Extrapolation** | Advanced Extrapolation | |
| **Phantom** | Modular Flat Phantom V4.9 | |
| **Distance Dipole Center - TSL** | 15 mm | with Spacer |
| **Zoom Scan Resolution** | dx, dy, dz = 5 mm | |
| **Frequency** | 900 MHz ± 1 MHz | |

## Head TSL parameters

The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|---|---|---|---|
| **Nominal Head TSL parameters** | 22.0 °C | 41.5 | 0.97 mho/m |
| **Measured Head TSL parameters** | (22.0 ± 0.2) °C | 39.5 ± 6 % | 0.93 mho/m ± 6 % |
| **Head TSL temperature during test** | (22.0 ± 0.2) °C | — | — |

## SAR result with Head TSL

| **SAR averaged over 1 cm³ (1 g) of Head TSL** | Condition | |
|---|---|---|
| SAR measured | 250 mW input power | 2.64 mW / g |
| SAR normalized | normalized to 1W | 10.6 mW / g |
| SAR for nominal Head TSL parameters [1] | normalized to 1W | **10.5 mW /g ± 17.0 % (k=2)** |

| **SAR averaged over 10 cm³ (10 g) of Head TSL** | condition | |
|---|---|---|
| SAR measured | 250 mW input power | 1.71 mW / g |
| SAR normalized | normalized to 1W | 6.84 mW / g |
| SAR for nominal Head TSL parameters [1] | normalized to 1W | **6.78 mW /g ± 16.5 % (k=2)** |

[1] Correction to nominal TSL parameters according to d), chapter "SAR Sensitivities"

## Appendix

### Antenna Parameters with Head TSL

| | |
|---|---|
| Impedance, transformed to feed point | 50.5 Ω - 6.0 jΩ |
| Return Loss | - 24.5 dB |

### General Antenna Parameters and Design

| | |
|---|---|
| Electrical Delay (one direction) | 1.390 ns |

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals.
No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

### Additional EUT Data

| | |
|---|---|
| Manufactured by | SPEAG |
| Manufactured on | September 20, 2000 |

## DASY5 Validation Report for Head TSL

Date/Time: 25.08.2008 11:33:53

Test Laboratory: SPEAG, Zurich, Switzerland

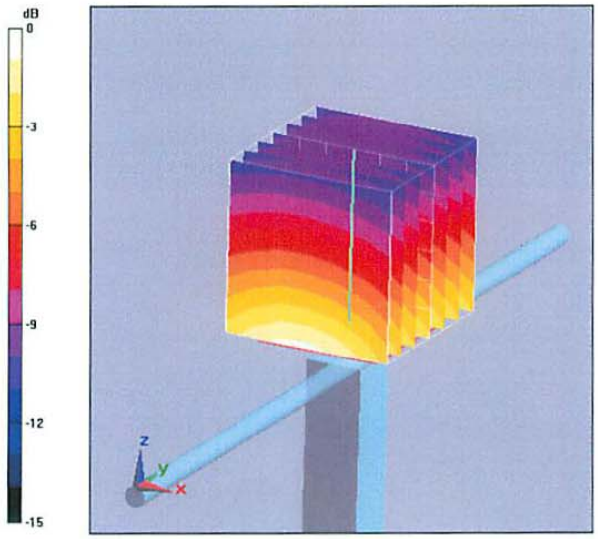
**DUT: Dipole 900 MHz; Type: D900V2; Serial: D900V2 - SN:085**

Communication System: CW-900; Frequency: 900 MHz; Duty Cycle: 1:1
Medium: HSL 900 MHz
Medium parameters used: f = 900 MHz; $\sigma$ = 0.93 mho/m; $\varepsilon_r$ = 39.5; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

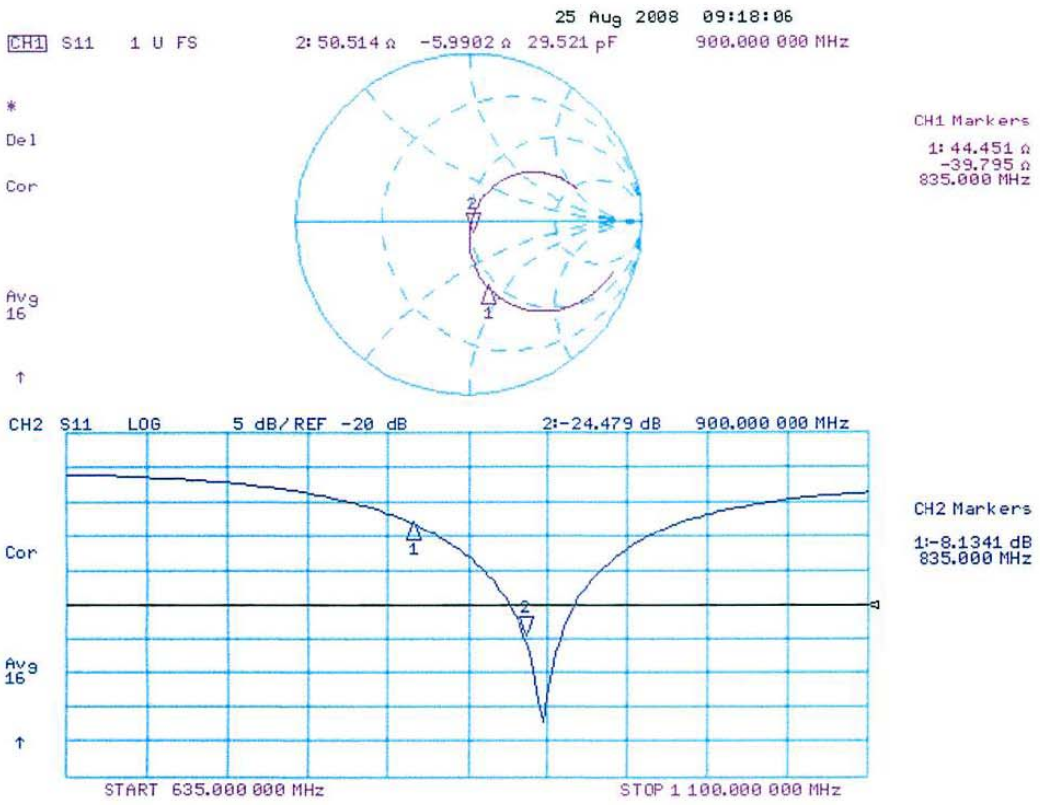
- Probe: ES3DV2 - SN3025; ConvF(5.78, 5.78, 5.78); Calibrated: 28.04.2008
- Sensor-Surface: 3.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 14.03.2008
- Phantom: Flat Phantom 4.9L; Type: QD000P49AA; Serial: 1001
- Measurement SW: DASY5, V5.0 Build 119; SEMCAD X Version 13.2 Build 87

**Pin=250mW; dip=15mm; dist=3.4mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 57.6 V/m; Power Drift = 0.032 dB
Peak SAR (extrapolated) = 3.92 W/kg
**SAR(1 g) = 2.64 mW/g; SAR(10 g) = 1.71 mW/g**
Maximum value of SAR (measured) = 2.97 mW/g




0 dB = 2.97mW/g

## Impedance Measurement Plot for Head TSL



# Appendix D
# Test System Verification Scans

The SAR result indicated on the Manufacture's Calibrated certificate for dipole D900V2 S/N 085 was not used due to the following:

-- The IEEE1528-2003 and the FCC OET-65 Supplement C, System Verification section indicated that "The measured 1-g SAR should be within 10% of the expected target values specified for the specific phantom and RF source used in the system verification measurement."

-- SPEAG calibration certificate indicates that the allowed tolerance for this dipole is higher than +/- 10% (e.g. 10.5 +/-17.0% at k=2 for the D900V2 S/N 085)

-- The allowed tolerance for the probes is also higher than +/- 10% (e.g. 11.0% at k=2 at 900MHz 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 the latest draft of IEC62209-2 (10/3/08) 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 latest draft of IEC62209-2 (10/3/08) 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 dipole, when using the simulated head tissue, meets the requirement for the system validation per IEEE1528-2003, the latest draft of IEC62209-2 (10/3/08) standard, and the difference between this result and the result from the manufacture's dipole calibration certificate is 9.5% for 900, which is 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 +/- 0.5dB.

# Motorola Enterprise Mobility Solutions EME Laboratory

**Date/Time: 12/4/2009 6:26:18 AM**

Robot# / Run#: DASY4-FL-2 / JsT-SYSP-900H-091204-01
Phantom# / Tissue Temp.: SAMTP1234 / 20.0 (C)
Dipole Model# / Serial#: D900V2 / 085
TX Freq. / Start power: 900 (MHz) / 250 (mW)

Target: 11.50 mW/g (1g)
Calculated: 11.44 mW/g (1g)
Percent from Target (+/-): 0.5 % (1g)
Rotation (1D): 0.035 dB

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 2.86 mW/g (1g); 1.83 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.86, 5.86, 5.86)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 900 MHz; $\sigma$ = 0.96 mho/m; $\varepsilon_r$ = 41.3; $\rho$ = 1000 kg/m3

## System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0:

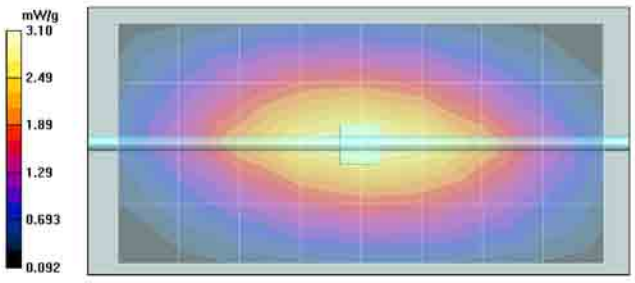
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 57.2 V/m; Power Drift = 0.00927 dB
Peak SAR (extrapolated) = 4.35 W/kg
**SAR(1 g) = 2.86 mW/g; SAR(10 g) = 1.83 mW/g**
Maximum value of SAR (measured) = 3.08 mW/g

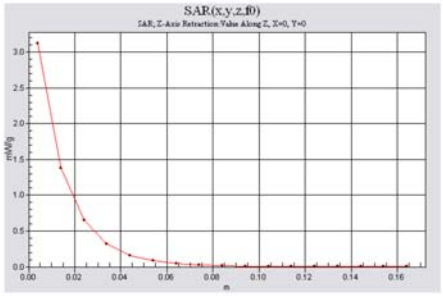
## System Performance Check/Dipole Area Scan 2 (5x9x1):

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: 12/5/2009 4:22:19 AM**

Robot# / Run#: DASY4-FL-2 / HvH-SYSP-900H-091205-01
Phantom# / Tissue Temp.: SAMTP1234 / 20.4 (C)
Dipole Model# / Serial#: D900V2 / 085
TX Freq. / Start power: 900 (MHz) / 250 (mW)

Target: 11.50 mW/g (1g)
Calculated: 11.60 mW/g (1g)
Percent from Target (+/-): 0.9 % (1g)
Rotation (1D): 0.032 dB

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 2.90 mW/g (1g); 1.86 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.86, 5.86, 5.86)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 900 MHz; $\sigma$ = 0.97 mho/m; $\varepsilon_r$ = 41.5; $\rho$ = 1000 kg/m3

## System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0:

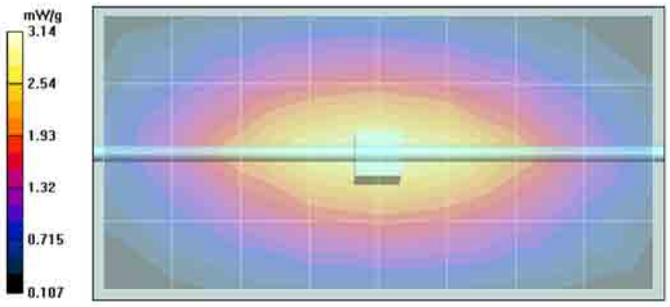
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 57.4 V/m; Power Drift = 0.0121 dB
Peak SAR (extrapolated) = 4.41 W/kg
**SAR(1 g) = 2.9 mW/g; SAR(10 g) = 1.86 mW/g**
Maximum value of SAR (measured) = 3.14 mW/g

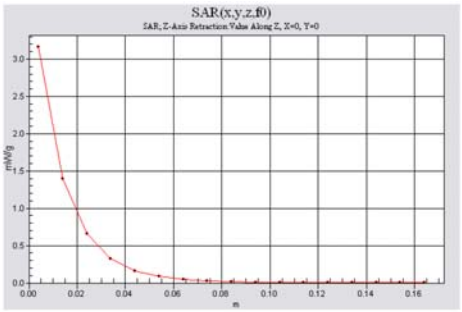
## System Performance Check/Dipole Area Scan 2 (41x81x1):

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: 12/10/2009 10:10:34 AM**

Robot# / Run#: DASY4-FL-2 / JsT-SYSP-900B-091210-01

Phantom# / Tissue Temp.: OVAL1019 / 20.5 (C)
Dipole Model# / Serial#: D900V2 / 085
TX Freq. / Start power: 900 (MHz) / 250 (mW)

Target: 11.30 mW/g (1g)
Calculated: 11.48 mW/g (1g)
Percent from Target (+/-): 1.6 % (1g)
Rotation (1D): 0.035 dB

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 2.87 mW/g (1g); 1.85 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.8, 5.8, 5.8)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 900 MHz; $\sigma$ = 1.06 mho/m; $\varepsilon_r$ = 52.8; $\rho$ = 1000 kg/m3

## System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0:

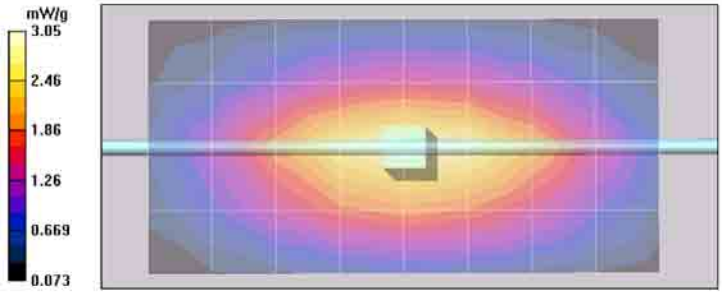
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 54.7 V/m; Power Drift = -0.0137 dB
Peak SAR (extrapolated) = 4.29 W/kg
**SAR(1 g) = 2.87 mW/g; SAR(10 g) = 1.85 mW/g**
Maximum value of SAR (measured) = 3.10 mW/g

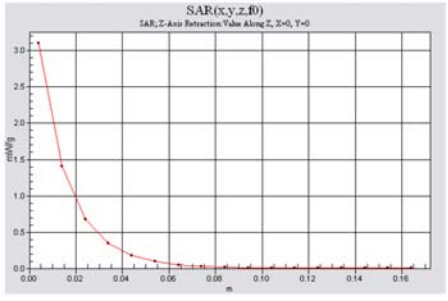
## System Performance Check/Dipole Area Scan 2 (5x9x1):

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: 12/11/2009 7:07:08 AM**

Robot# / Run#: DASY4-FL-2 / JsT-SYSP-900B-091211-01
Phantom# / Tissue Temp.: OVAL1019 / 20.7 (C)
Dipole Model# / Serial#: D900V2 / 085
TX Freq. / Start power: 900 (MHz) / 250 (mW)

| | |
|---|---|
| Target: | 11.30 mW/g (1g) |
| Calculated: | 11.52 mW/g (1g) |
| Percent from Target (+/-): | 1.9 % (1g) |
| Rotation (1D): | 0.029 dB |

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 2.88 mW/g (1g); 1.86 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.8, 5.8, 5.8)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 900 MHz; $\sigma$ = 1.06 mho/m; $\varepsilon_r$ = 52.6; $\rho$ = 1000 kg/m3

## System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0:

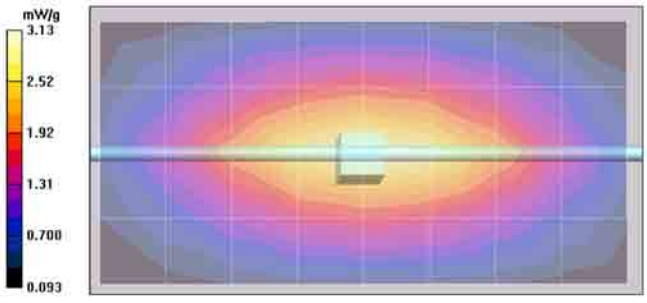
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 54.9 V/m; Power Drift = 0.00758 dB
Peak SAR (extrapolated) = 4.31 W/kg
**SAR(1 g) = 2.88 mW/g; SAR(10 g) = 1.86 mW/g**
Maximum value of SAR (measured) = 3.13 mW/g

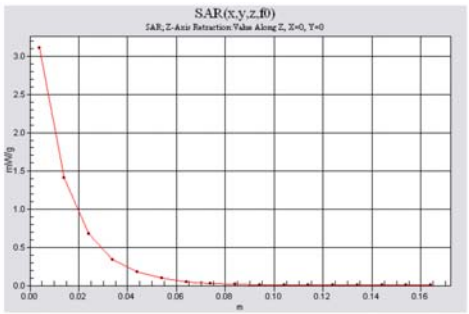
## System Performance Check/Dipole Area Scan 2 (5x9x1):

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: 12/14/2009 7:49:17 AM**

Robot# / Run#: DASY4-FL-2 / ErC-SYSP-900B-091214-01
Phantom# / Tissue Temp.: OVAL1019 / 20.9 (C)
Dipole Model# / Serial#: D900V2 / 085
TX Freq. / Start power: 900 (MHz) / 250 (mW)

Target: 11.30 mW/g (1g)
Calculated: 11.56 mW/g (1g)
Percent from Target (+/-): 2.3 % (1g)
Rotation (1D): 0.033 dB

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 2.89 mW/g (1g); 1.86 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.8, 5.8, 5.8)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 900 MHz; $\sigma$ = 1.06 mho/m; $\varepsilon_r$ = 52.6; $\rho$ = 1000 kg/m3

## System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0:

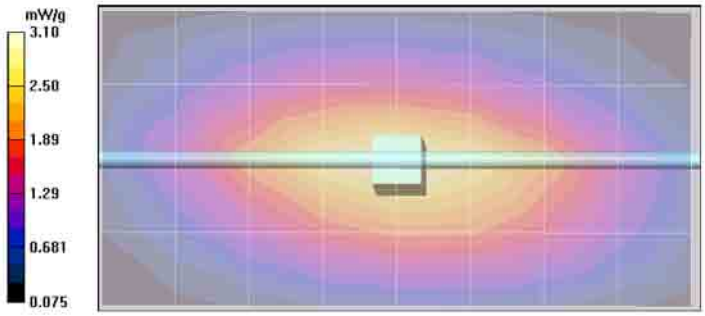
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 55.0 V/m; Power Drift = -0.00215 dB
Peak SAR (extrapolated) = 4.33 W/kg
**SAR(1 g) = 2.89 mW/g; SAR(10 g) = 1.86 mW/g**
Maximum value of SAR (measured) = 3.13 mW/g

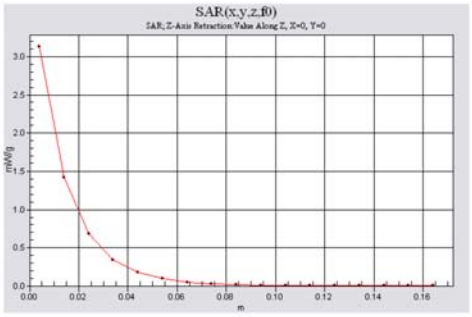
## System Performance Check/Dipole Area Scan 2 (5x9x1):

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: 1/8/2010 7:40:49 AM**

Robot# / Run#: DASY4-FL-2 / JsT-SYSP-900H-100108-01
Phantom# / Tissue Temp.: SAMTP1234 / 20.9 (C)
Dipole Model# / Serial#: D900V2 / 085
TX Freq. / Start power: 900 (MHz) / 250 (mW)

Target: 11.50 mW/g (1g)
Calculated: 11.48 mW/g (1g)
Percent from Target (+/-): 0.5 % (1g)
Rotation (1D): 0.03 dB

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 2.87 mW/g (1g); 1.83 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.86, 5.86, 5.86)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1, Medium parameters used: f = 900 MHz; $\sigma$ = 0.95 mho/m; $\varepsilon_r$ = 39.7; $\rho$ = 1000 kg/m3

## System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0:

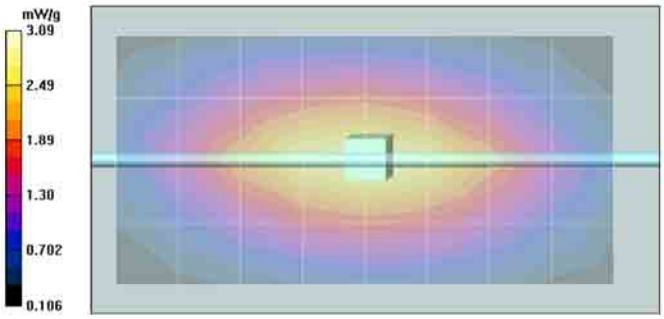
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 57.4 V/m; Power Drift = -0.0178 dB
Peak SAR (extrapolated) = 4.30 W/kg
**SAR(1 g) = 2.84 mW/g; SAR(10 g) = 1.82 mW/g**
Maximum value of SAR (measured) = 3.08 mW/g

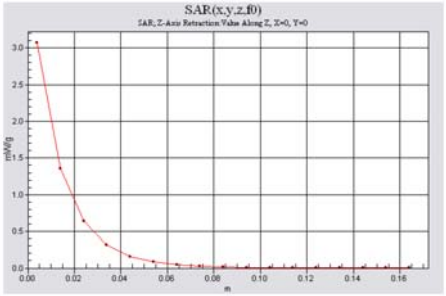
## System Performance Check/Dipole Area Scan 2 (5x9x1):

Measurement grid: dx=15mm, dy=15mm

## System Performance Check/Z-Axis Retraction (1x1x17):

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



## DIPOLE SAR TARGET - HEAD

| | | | |
|---|---|---|---|
| Date: | **03/12/09** | Frequency (MHz): | **900** |
| Lab Location: | FL08-G&PS | Mixture Type: | **IEEE Head** |
| DAE Serial #: | 401 | Ambient Temp.(°C): | 20.8 |

| | | | |
|---|---|---|---|
| Tissue Characteristics | | | |
| Permitivity: | 42.5 | Phantom Type/SN: | OVAL1016 |
| Conductivity: | 1.01 | Distance (mm): | 15 |
| Tissue Temp.(°C): | 21.4 | | |

| | | | |
|---|---|---|---|
| Reference Source: | Dipole | Power to Dipole: | 250 mW |
| Reference SN: | **85** | | |

| **Target 1g-SAR Value (mW/g, normalized to 1.0 W):** | **Difference from Target** |
|---|---|
| **10.9** | **5.50%** **(1g-SAR)** |

**New Target:**

| | |
|---|---|
| Average 1g-SAR Value (mW/g): | **11.50** |

**Passes K=2**

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

| Probe SN #s | 1g-SAR (Cube) | Diff from Ave | Robot |
|---|---|---|---|
| **3185** | 11.36 | -1.2% | R2 |
| **3147** | 11.64 | 1.2% | R2 |
| **N/A** | N/A | #VALUE! | N/A |
| **N/A** | N/A | #VALUE! | N/A |
| **N/A** | N/A | #VALUE! | N/A |
| Average | **11.5000** | New Measured SAR Value | |

(normalized to 1.0 W)

Test performed by: **J. Turco** Initial:

## DIPOLE SAR TARGET - BODY

| | | | |
|---|---|---|---|
| Date: | 03/12/09 | Frequency (MHz): | 900 |
| Lab Location: | FL08-G&PS | Mixture Type: | FCC Body |
| DAE Serial #: | 401 | Ambient Temp.(°C): | 20.9 |

Tissue Characteristics

| | | | |
|---|---|---|---|
| Permitivity: | 52.6 | Phantom Type/SN: | OVAL1022 |
| Conductivity: | 1.04 | Distance (mm): | 15 |
| Tissue Temp.(°C): | 21.5 | | |

| | | | |
|---|---|---|---|
| Reference Source: | Dipole | Power to Dipole: | 250 mW |
| Reference SN: | 85 | | |

**New Target:**
Average Measured SAR Value: **11.30** mW/g(1g avg.),

| Probe SN #s | 1-G Cube | Diff from Ave | Robot |
|---|---|---|---|
| 3185 | 11.20 | -0.9% | R2 |
| 3147 | 11.40 | 0.9% | R2 |
| N/A | N/A | #VALUE! | N/A |
| N/A | N/A | #VALUE! | N/A |
| N/A | N/A | #VALUE! | N/A |
| Average | 11.3000 | New Measured SAR Value | |

(normalized to 1.0 W)

Test performed by: J. Turco Initial:

# Appendix E
# DUT Scans (Shortened Scan and Highest SAR configurations)

## Shortened Scan Result
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 1/8/2010 11:01:10 AM**

Robot# / Run#: DASY4-FL-2 / JsT-Rear-100108-02
Phantom# / Tissue Temp.: SAMTP1234 / 20.5 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 896.01875 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.637 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 1.35 mW/g (1g); 0.949 mW/g (10g)

Comments: Shortened Scan; Touch

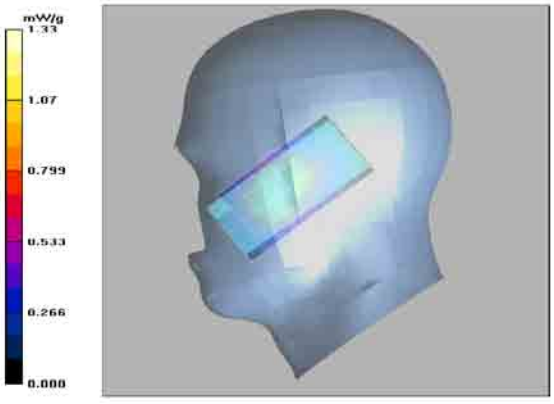
Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.86, 5.86, 5.86)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:3, Medium parameters used: f = 899 MHz; $\sigma$ = 0.95 mho/m; $\varepsilon_r$ = 39.7; $\rho$ = 1000 kg/m3

**Right Ear-Touch Position/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 39.4 V/m; Power Drift = -0.130 dB
Peak SAR (extrapolated) = 1.76 W/kg
**SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.944 mW/g**
Maximum value of SAR (measured) = 1.44 mW/g

**Right Ear-Touch Position/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 38.3 V/m; Power Drift = -0.237 dB
**Motorola Fast SAR: SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.895 mW/g**
Maximum value of SAR (interpolated) = 1.40 mW/g

**Right Ear-Touch Position/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.27 mW/g

**Shortened scan reflect highest SAR producing configuration; approximate run time 7 minutes.**
**Representative zoom scan approximate run time was 17 minutes**
**"Shortened" scan max calculated SAR using SAR drift: 1-g Avg. = 1.40 mW/g; 10-g Avg. = 0.98 mW/g**
**Zoom scan max calculated SAR using SAR drift: 1-g Avg. = 1.43 mW/g; 10-g Avg. = 1.00 mW/g**
**(see part 1 of 2 section 13.7 run # HvH-Rear-091205-04)**



## Highest Head SAR Configuration Result
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/5/2009 6:14:33 AM**

Robot# / Run#: DASY4-FL-2 / HvH-Rear-091205-04
Phantom# / Tissue Temp.: SAMTP1234 / 20.2 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 896.01875 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.629 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 1.32 mW/g (1g); 0.921 mW/g (10g)

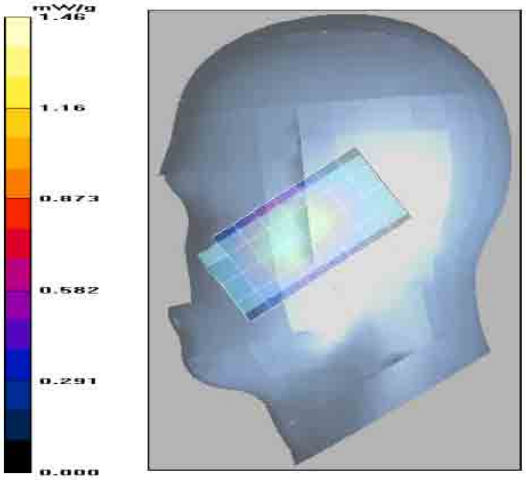
Comments: Full Scan; Touch

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.86, 5.86, 5.86)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:3, Medium parameters used: f = 899 MHz; $\sigma$ = 0.97 mho/m; $\varepsilon_r$ = 41.5; $\rho$ = 1000 kg/m3

**Right Ear-Touch Position/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 37.5 V/m; Power Drift = -0.264 dB
Peak SAR (extrapolated) = 1.80 W/kg
**SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.921 mW/g**
Maximum value of SAR (measured) = 1.42 mW/g

**Right Ear-Touch Position/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 37.5 V/m; Power Drift = -0.137 dB
**Motorola Fast SAR: SAR(1 g) = 1.39 mW/g; SAR(10 g) = 0.941 mW/g**
Maximum value of SAR (interpolated) = 1.49 mW/g

**Right Ear-Touch Position/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.36 mW/g



## Highest Face SAR Configuration Result
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/5/2009 11:02:29 AM**

Robot# / Run#: DASY4-FL-2 / HvH-Face-091205-16
Phantom# / Tissue Temp.: SAMTP1234 / 20.2 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 902.5250 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.839 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 1.81 mW/g (1g); 1.29 mW/g (10g)

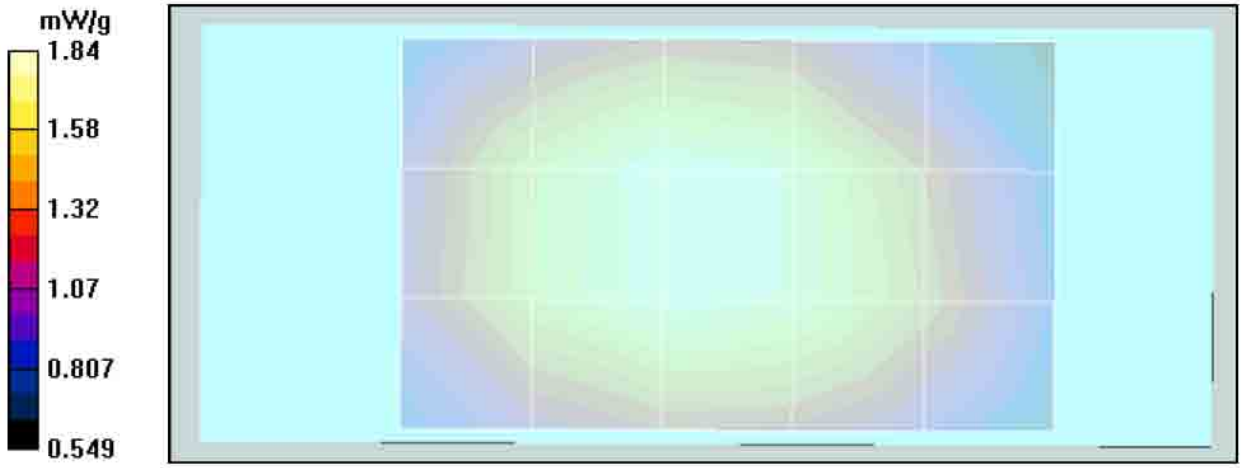
Comments: Full Scan; front at 2.5cm.

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.86, 5.86, 5.86)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1.05, Medium parameters used: f = 915 MHz; $\sigma$ = 0.98 mho/m; $\varepsilon_r$ = 41.3; $\rho$ = 1000 kg/m$^3$

**Face Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 41.9 V/m; Power Drift = -0.0551 dB
Peak SAR (extrapolated) = 2.43 W/kg
**SAR(1 g) = 1.81 mW/g; SAR(10 g) = 1.29 mW/g**
Maximum value of SAR (measured) = 1.90 mW/g

**Face Scan/Area Scan (31x51x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 41.9 V/m; Power Drift = -0.0642 dB
**Motorola Fast SAR: SAR(1 g) = 1.84 mW/g; SAR(10 g) = 1.29 mW/g**
Maximum value of SAR (interpolated) = 1.92 mW/g

**Face Scan/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.90 mW/g



## Highest Body SAR Configuration Result
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/14/2009 1:51:59 PM**

Robot# / Run#: DASY4-FL-2 / HvH-Ab-091214-09
Phantom# / Tissue Temp.: OVAL1019 / 20.0 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUPGSJ
Antenna / TX Freq.: 85009260001 (Internal) / 806.0125 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.625 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: .983 mW/g (1g); .715 mW/g (10g)

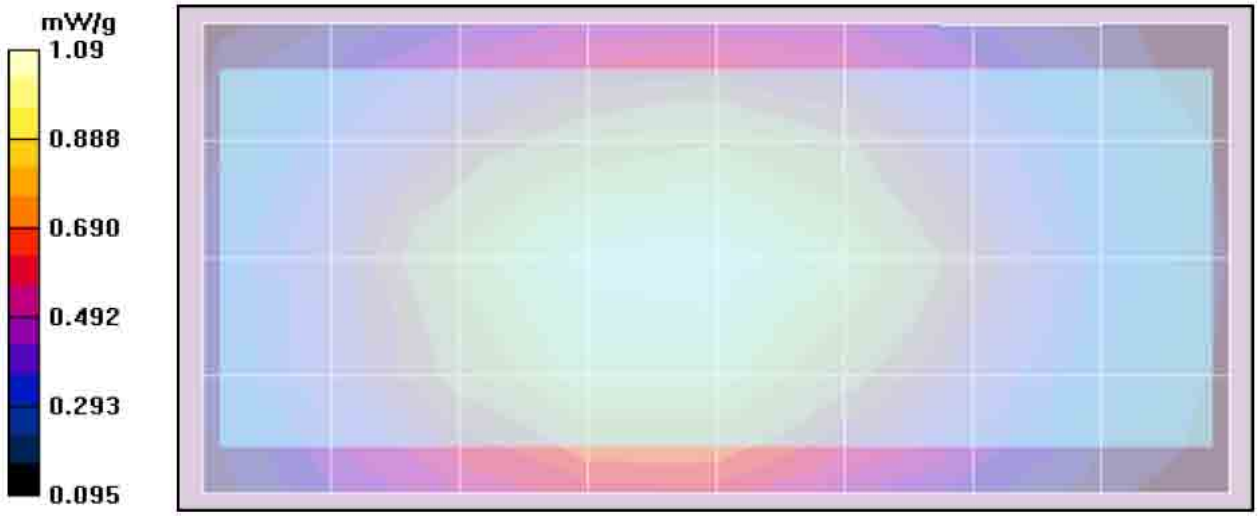
Comments: Full Scan; Back of DUT @ 2.5 cm.

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.8, 5.8, 5.8)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1.33, Medium parameters used: f = 815.5 MHz; $\sigma$ = 0.97 mho/m; $\varepsilon_r$ = 53.4; $\rho$ = 1000 kg/m3

**Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 32.0 V/m; Power Drift = -0.279 dB
Peak SAR (extrapolated) = 1.33 W/kg
**SAR(1 g) = 0.983 mW/g; SAR(10 g) = 0.715 mW/g**
Maximum value of SAR (measured) = 1.05 mW/g

**Ab Scan/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 32.0 V/m; Power Drift = -0.135 dB
**Motorola Fast SAR: SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.738 mW/g**
Maximum value of SAR (interpolated) = 1.11 mW/g

**Ab Scan/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.02 mW/g



# Appendix F
# DUT Scans

## Section 1.0
## 806-825MHz Band Assessment of the offered batteries
## (Section 13.2 Table 13)
# Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/10/2009 9:48:22 PM**

Robot# / Run#: DASY4-FL-2 / MeC-Ab-091210-06
Phantom# / Tissue Temp.: OVAL1019 / 20.2 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 815.5125 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.623 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 0.890 mW/g (1g); 0.646 mW/g (10g)

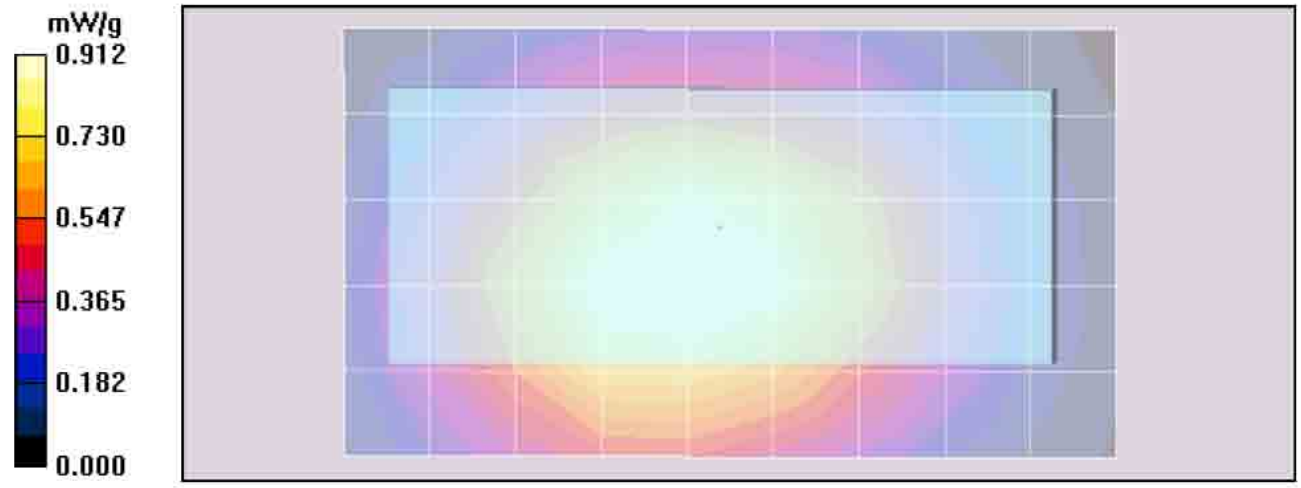
Comments: Full Scan; Back of DUT @ 2.5 cm.

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.8, 5.8, 5.8)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1.33, Medium parameters used: f = 815.5 MHz; $\sigma$ = 0.97 mho/m; $\varepsilon_r$ = 53.6; $\rho$ = 1000 kg/m3

**Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 30.4 V/m; Power Drift = -0.586 dB
Peak SAR (extrapolated) = 1.27 W/kg
**SAR(1 g) = 0.890 mW/g; SAR(10 g) = 0.646 mW/g**
Maximum value of SAR (measured) = 0.939 mW/g

**Ab Scan/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 30.4 V/m; Power Drift = -0.223 dB
**Motorola Fast SAR: SAR(1 g) = 0.952 mW/g; SAR(10 g) = 0.676 mW/g**
Maximum value of SAR (interpolated) = 1.01 mW/g

**Ab Scan/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.912 mW/g



## Section 2.0
## 806-825MHz Band Assessment of the offered data/audio cables
## (Section 13.2 Table 14)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/10/2009 11:00:58 PM**

Robot# / Run#: DASY4-FL-2 / MeC-Ab-091210-08
Phantom# / Tissue Temp.: OVAL1019 / 20.1 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 815.5125 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / SKN6238A
Start Power: 0.625 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

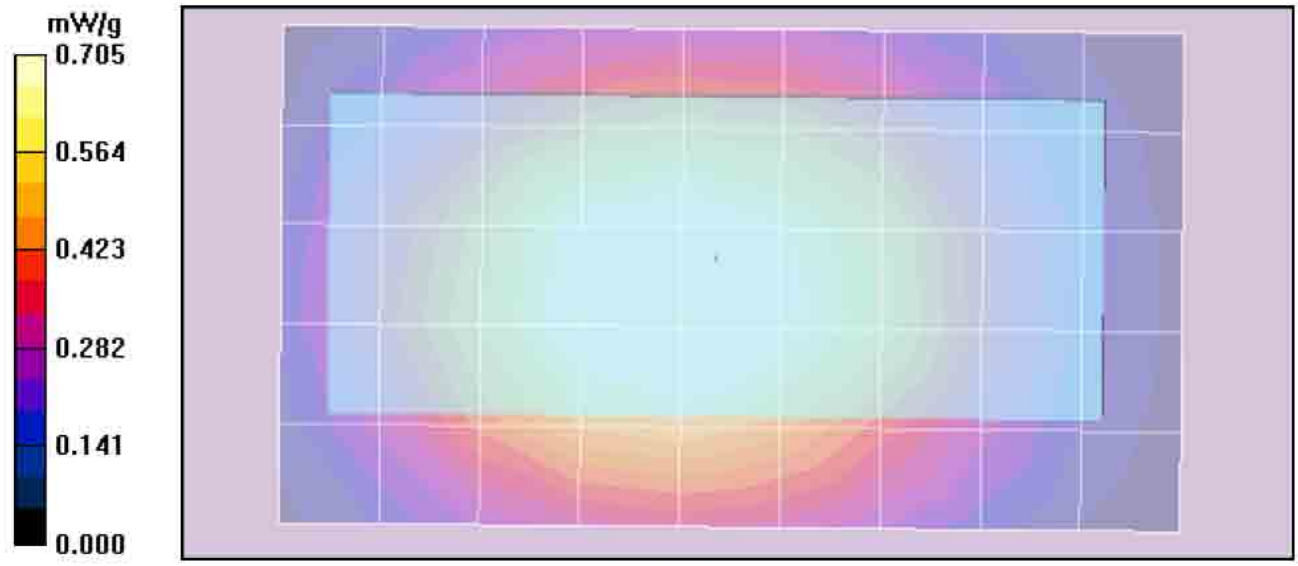
Calculated: 0.705 mW/g (1g); 0.525 mW/g (10g)

Comments: Full Scan; Back of DUT @ 2.5 cm.
Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.8, 5.8, 5.8)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1.33, Medium parameters used: f = 815.5 MHz; $\sigma$ = 0.97 mho/m; $\varepsilon_r$ = 53.6; $\rho$ = 1000 kg/m3

**Ab Scan/5x5x7 Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 28.5 V/m; Power Drift = -0.640 dB
Peak SAR (extrapolated) = 0.983 W/kg
**SAR(1 g) = 0.705 mW/g; SAR(10 g) = 0.525 mW/g**
Maximum value of SAR (measured) = 0.749 mW/g

**Ab Scan/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 28.5 V/m; Power Drift = -0.169 dB
**Motorola Fast SAR: SAR(1 g) = 0.789 mW/g; SAR(10 g) = 0.556 mW/g**
Maximum value of SAR (interpolated) = 0.841 mW/g

**Ab Scan/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.705 mW/g



## Section 3.0
## 806-825MHz Band Assessment of frequency band edges of the offered antenna
## (Section 13.2 Table 15)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/11/2009 11:03:05 AM**

Robot# / Run#: DASY4-FL-2 / JsT-Ab-091211-04
Phantom# / Tissue Temp.: OVAL1019 / 20.3 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 806.0125 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.636 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 0.927 mW/g (1g); 0.674 mW/g (10g)

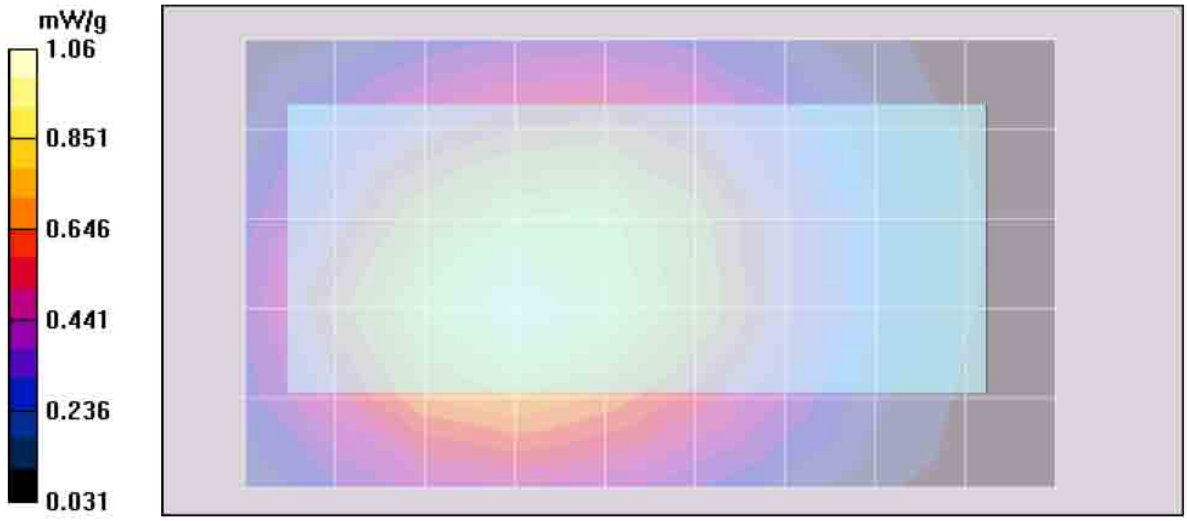
Comments: Full Scan; Back of DUT @ 2.5 cm.

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.8, 5.8, 5.8)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1.33, Medium parameters used: f = 815.5 MHz; $\sigma$ = 0.97 mho/m; $\varepsilon_r$ = 53.4; $\rho$ = 1000 kg/m3

**Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 33.1 V/m; Power Drift = -0.591 dB
Peak SAR (extrapolated) = 1.33 W/kg
**SAR(1 g) = 0.927 mW/g; SAR(10 g) = 0.674 mW/g**
Maximum value of SAR (measured) = 0.978 mW/g

**Ab Scan/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 33.1 V/m; Power Drift = -0.418 dB
**Motorola Fast SAR: SAR(1 g) = 0.991 mW/g; SAR(10 g) = 0.691 mW/g**
Maximum value of SAR (interpolated) = 1.06 mW/g

**Ab Scan/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.922 mW/g



## Section 4.0
## 806-825MHz Band Assessment without body worn accessory at 2.5cm
## (Section 13.2 Table 16)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/14/2009 1:51:59 PM**

Robot# / Run#: DASY4-FL-2 / HvH-Ab-091214-09
Phantom# / Tissue Temp.: OVAL1019 / 20.0 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUPGSJ
Antenna / TX Freq.: 85009260001 (Internal) / 806.0125 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.625 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: .983 mW/g (1g); .715 mW/g (10g)

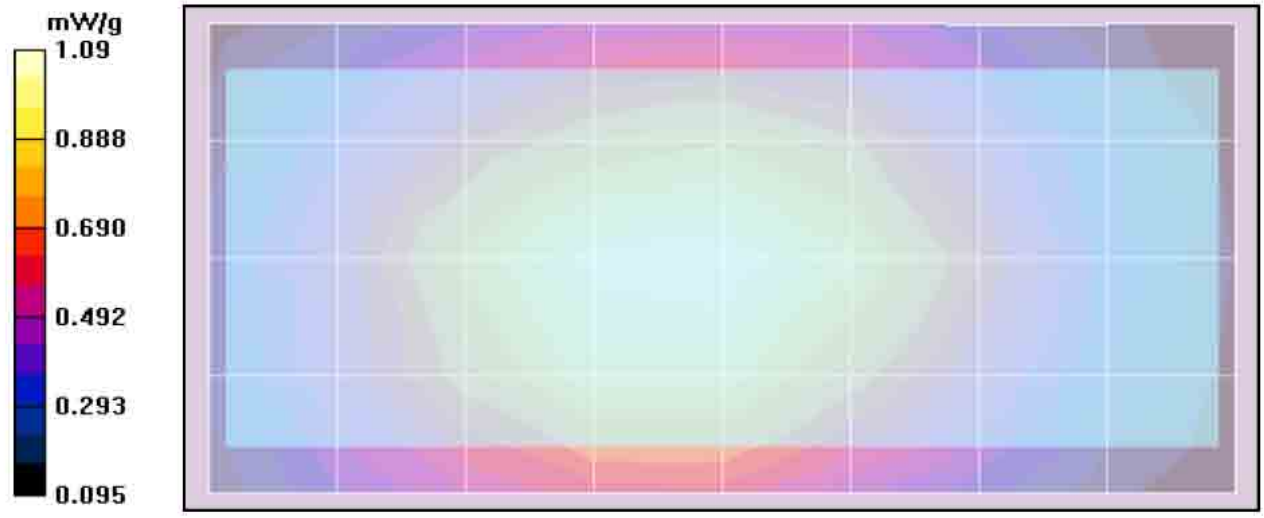
Comments: Full Scan; Back of DUT @ 2.5 cm.

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.8, 5.8, 5.8)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1.33, Medium parameters used: f = 815.5 MHz; $\sigma$ = 0.97 mho/m; $\varepsilon_r$ = 53.4; $\rho$ = 1000 kg/m3

**Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 32.0 V/m; Power Drift = -0.279 dB
Peak SAR (extrapolated) = 1.33 W/kg
**SAR(1 g) = 0.983 mW/g; SAR(10 g) = 0.715 mW/g**
Maximum value of SAR (measured) = 1.05 mW/g

**Ab Scan/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 32.0 V/m; Power Drift = -0.135 dB
**Motorola Fast SAR: SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.738 mW/g**
Maximum value of SAR (interpolated) = 1.11 mW/g

**Ab Scan/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.02 mW/g



## Section 5.0
## 806-825MHz Band Assessment of the offered batteries
## (Section 13.2 Table 17)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/4/2009 12:51:30 PM**

Robot# / Run#: DASY4-FL-2 / JsT-Lear-091204-11
Phantom# / Tissue Temp.: SAMTP1234 / 20.4 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 815.5125 (MHz)
Battery: SNN5793A w/ NTN2566XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.627 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 1.00 mW/g (1g); 0.705 mW/g (10g)

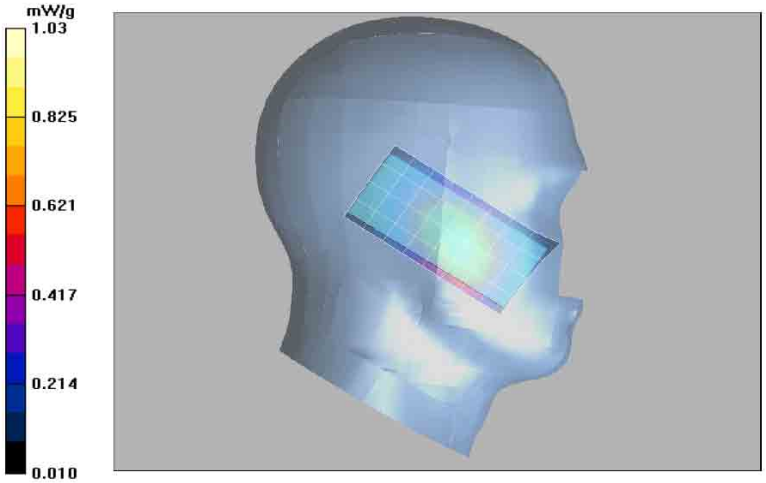
Comments: Full Scan; Touch

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.86, 5.86, 5.86)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:3, Medium parameters used: f = 815.5 MHz; $\sigma$ = 0.88 mho/m; $\varepsilon_r$ = 42.3; $\rho$ = 1000 kg/m3

**Left Ear-Touch position/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 33.3 V/m; Power Drift = -0.0788 dB
Peak SAR (extrapolated) = 1.35 W/kg
**SAR(1 g) = 0.983 mW/g; SAR(10 g) = 0.695 mW/g**
Maximum value of SAR (measured) = 1.03 mW/g

**Left Ear-Touch position/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 33.3 V/m; Power Drift = 0.00223 dB
**Motorola Fast SAR: SAR(1 g) = 1 mW/g; SAR(10 g) = 0.686 mW/g**
Maximum value of SAR (interpolated) = 1.07 mW/g

**Left Ear-Touch position/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.03 mW/g



## Section 6.0
## 806-825MHz Band Assessment of the tilt position
## (Section 13.2 Table 18)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/4/2009 12:17:09 PM**

Robot# / Run#: DASY4-FL-2 / JsT-Lear-091204-10
Phantom# / Tissue Temp.: SAMTP1234 / 20.5 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 815.5125 (MHz)
Battery: SNN5793A w/ NTN2566XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.626 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 0.698 mW/g (1g); 0.502 mW/g (10g)

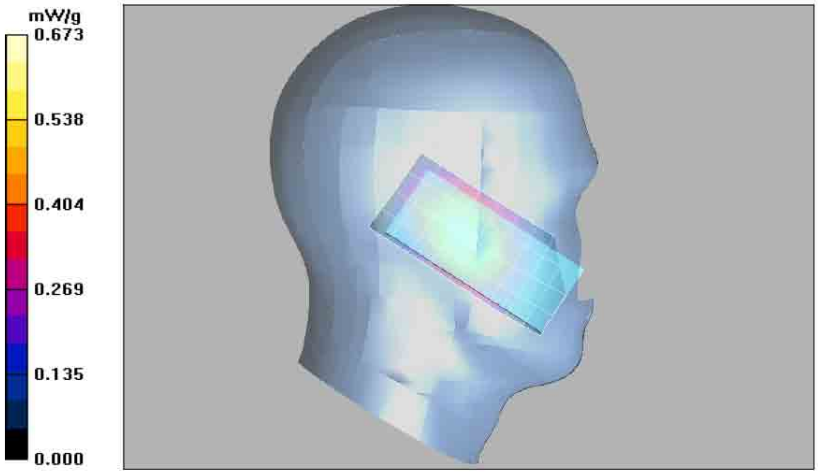
Comments: Full Scan; Tilt

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.86, 5.86, 5.86)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:3, Medium parameters used: f = 815.5 MHz; $\sigma$ = 0.88 mho/m; $\varepsilon_r$ = 42.3; $\rho$ = 1000 kg/m3

**Left Ear-15D Tilt position/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 28.8 V/m; Power Drift = 0.0295 dB
Peak SAR (extrapolated) = 0.892 W/kg
**SAR(1 g) = 0.683 mW/g; SAR(10 g) = 0.495 mW/g**
Maximum value of SAR (measured) = 0.739 mW/g

**Left Ear-15D Tilt position/Area Scan (41x91x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 28.8 V/m; Power Drift = 0.0484 dB
**Motorola Fast SAR: SAR(1 g) = 0.652 mW/g; SAR(10 g) = 0.455 mW/g**
Maximum value of SAR (interpolated) = 0.689 mW/g

**Left Ear-15D Tilt position/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.698 mW/g



## Section 7.0
## 806-825MHz Band Assessment of frequency band edges of the offered antenna (Section 13.2 Table 19)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/4/2009 1:51:57 PM**

Robot# / Run#: DASY4-FL-2 / JsT-Lear-091204-13
Phantom# / Tissue Temp.: SAMTP1234 / 20.6 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 824.9875 (MHz)
Battery: SNN5793A w/ NTN2566XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.638 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 1.13 mW/g (1g); 0.788 mW/g (10g)

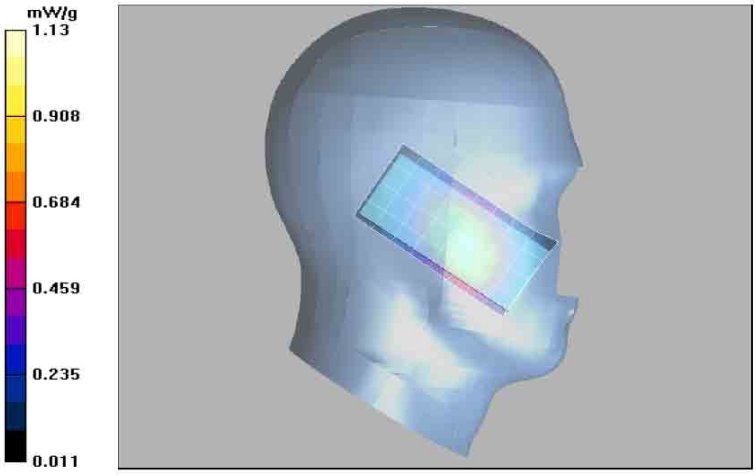
Comments: Full Scan; Touch

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.86, 5.86, 5.86)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:3, Medium parameters used: f = 815.5 MHz; $\sigma$ = 0.88 mho/m; $\varepsilon_r$ = 42.3; $\rho$ = 1000 kg/m3

**Left Ear-Touch position/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 35.3 V/m; Power Drift = -0.0292 dB
Peak SAR (extrapolated) = 1.59 W/kg
**SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.777 mW/g**
Maximum value of SAR (measured) = 1.20 mW/g

**Left Ear-Touch position/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 35.3 V/m; Power Drift = 0.0182 dB
**Motorola Fast SAR: SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.758 mW/g**
Maximum value of SAR (interpolated) = 1.19 mW/g

**Left Ear-Touch position/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.13 mW/g



## Section 8.0
## 806-825MHz Band Assessment of the touch and tilt position
## (Section 13.2 Table 20)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/4/2009 9:28:54 PM**

Robot# / Run#: DASY4-FL-2 / CM-Rear-091204-19
Phantom# / Tissue Temp.: SAMTP1234 / 20.0 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 815.5125 (MHz)
Battery: SNN5793A w/ NTN2566XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.623 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 1.03 mW/g (1g); 0.747 mW/g (10g)

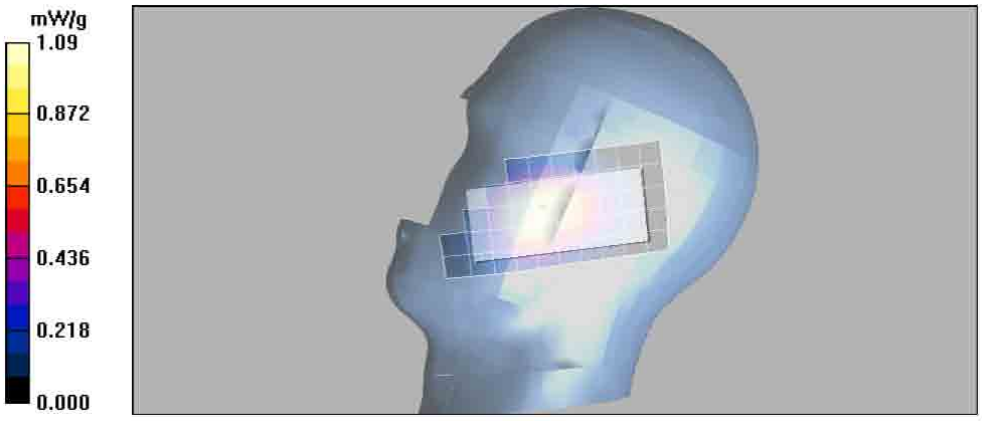
Comments: Full Scan; Touch

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.86, 5.86, 5.86)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:3, Medium parameters used: f = 815.5 MHz; $\sigma$ = 0.88 mho/m; $\varepsilon_r$ = 42.3; $\rho$ = 1000 kg/m3

**Right Ear-Touch Position/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.3 V/m; Power Drift = -0.0678 dB
Peak SAR (extrapolated) = 1.32 W/kg
**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.737 mW/g**
Maximum value of SAR (measured) = 1.06 mW/g

**Right Ear-Touch Position/Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 26.3 V/m; Power Drift = -0.00309 dB
**Motorola Fast SAR: SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.709 mW/g**
Maximum value of SAR (interpolated) = 1.11 mW/g

**Right Ear-Touch Position/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.09 mW/g



## Section 9.0
## 806-825MHz Band Assessment of frequency band edges of the offered antenna (Section 13.2 Table 21)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/4/2009 10:41:42 PM**

Robot# / Run#: DASY4-FL-2 / CM-Rear-091204-22
Phantom# / Tissue Temp.: SAMTP1234 / 19.9 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 824.9875 (MHz)
Battery: SNN5793A w/ NTN2566XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.635 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 1.16 mW/g (1g); 0.835 mW/g (10g)

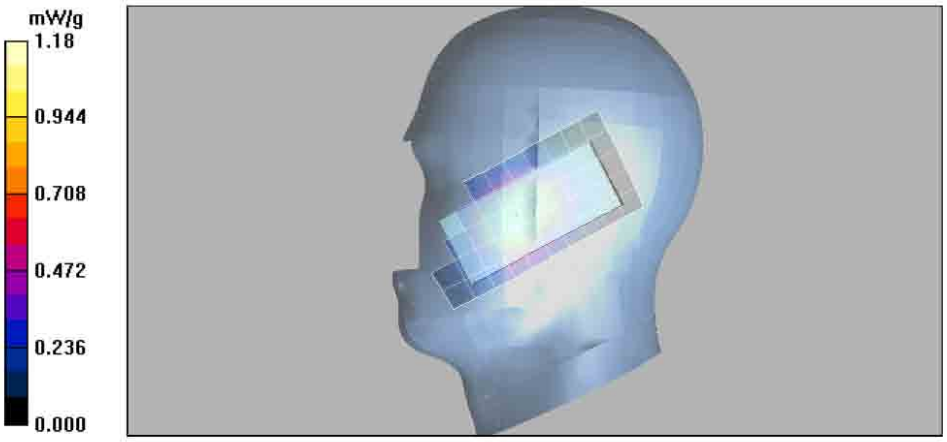
Comments: Full Scan; Touch

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.86, 5.86, 5.86)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:3, Medium parameters used: f = 815.5 MHz; $\sigma$ = 0.88 mho/m; $\varepsilon_r$ = 42.3; $\rho$ = 1000 kg/m3

**Right Ear-Touch Position/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 27.8 V/m; Power Drift = -0.0487 dB
Peak SAR (extrapolated) = 1.47 W/kg
**SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.824 mW/g**
Maximum value of SAR (measured) = 1.21 mW/g

**Right Ear-Touch Position/Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 27.8 V/m; Power Drift = -0.0369 dB
**Motorola Fast SAR: SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.796 mW/g**
Maximum value of SAR (interpolated) = 1.24 mW/g

**Right Ear-Touch Position/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.18 mW/g



## Section 10.0
## 806-825MHz Band Assessment of frequency band of the offered antenna
## (Section 13.2 Table 22)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/5/2009 7:58:49 AM**

Robot# / Run#: DASY4-FL-2 / HvH-Face-091205-08
Phantom# / Tissue Temp.: SAMTP1234 / 20.1 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 824.9875 (MHz)
Battery: SNN5793A w/ NTN2566XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.640 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: .239 mW/g (1g); .171 mW/g (10g)

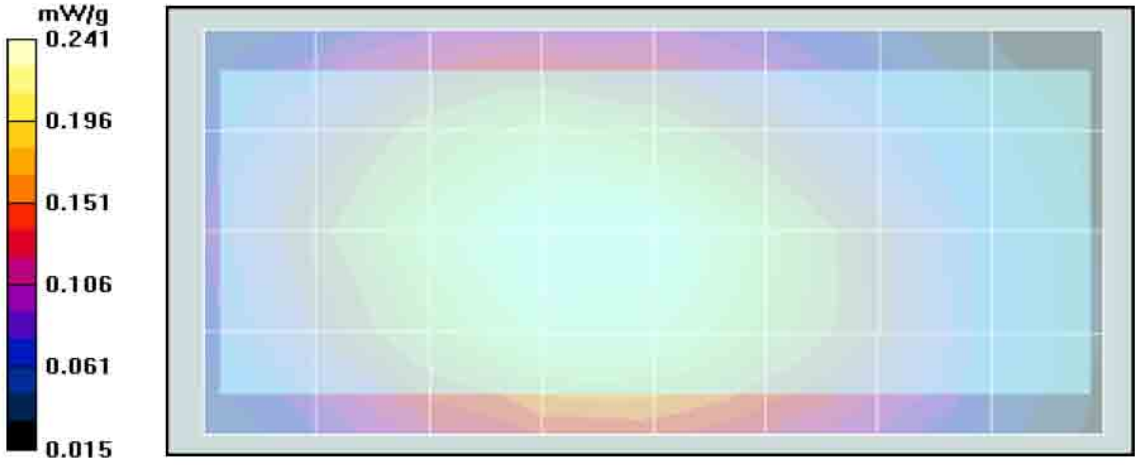
Comments: Full Scan; front at 2.5cm.

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.86, 5.86, 5.86)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:6, Medium parameters used: f = 815.5 MHz; $\sigma$ = 0.89 mho/m; $\varepsilon_r$ = 42.5; $\rho$ = 1000 kg/m3

**Face Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 16.6 V/m; Power Drift = -0.110 dB
Peak SAR (extrapolated) = 0.318 W/kg
**SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.169 mW/g**
Maximum value of SAR (measured) = 0.253 mW/g

**Face Scan/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 16.6 V/m; Power Drift = -0.030 dB
**Motorola Fast SAR: SAR(1 g) = 0.236 mW/g; SAR(10 g) = 0.167 mW/g**
Maximum value of SAR (interpolated) = 0.250 mW/g

**Face Scan/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.244 mW/g



## Section 11.0
## 896-902MHz Band Assessment of the offered batteries
## (Section 13.4 Table 23)
# Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/11/2009 2:03:33 PM**

Robot# / Run#: DASY4-FL-2 / JsT-Ab-091211-08
Phantom# / Tissue Temp.: OVAL1019 / 20.2 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 898.99375 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.626 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 0.878 mW/g (1g); 0.631 mW/g (10g)

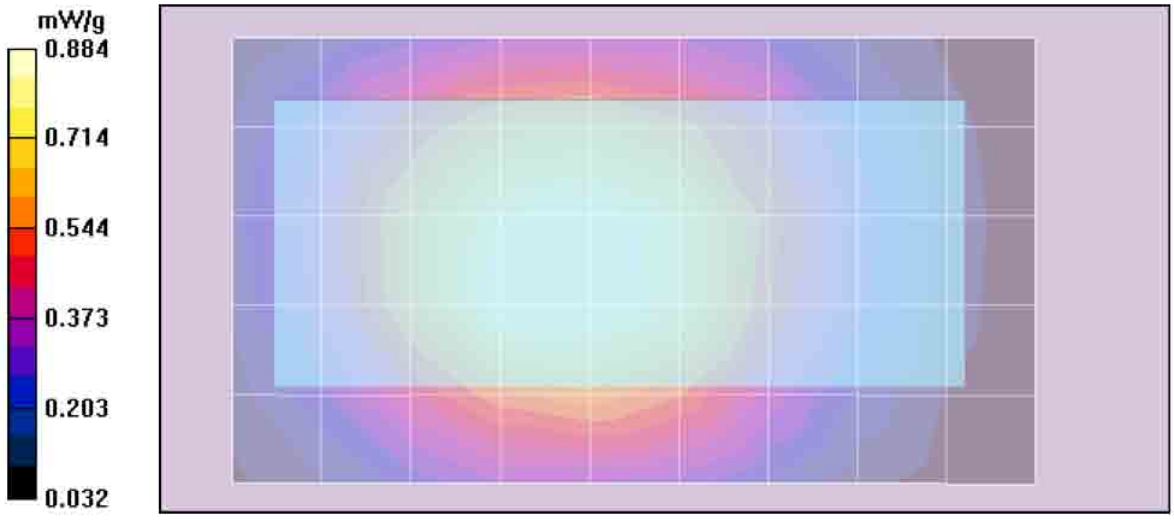
Comments: Full Scan; Back of DUT @ 2.5 cm., Tested with Zoom Extents set to 45 mm.

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.8, 5.8, 5.8)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1.33, Medium parameters used: f = 899 MHz; $\sigma$ = 1.06 mho/m; $\varepsilon_r$ = 52.7; $\rho$ = 1000 kg/m3

**Ab Scan/5x5x7 Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 30.3 V/m; Power Drift = -0.424 dB
Peak SAR (extrapolated) = 1.21 W/kg
**SAR(1 g) = 0.878 mW/g; SAR(10 g) = 0.631 mW/g**
Maximum value of SAR (measured) = 0.952 mW/g

**Ab Scan/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 30.4 V/m; Power Drift = -0.347 dB
**Motorola Fast SAR: SAR(1 g) = 0.879 mW/g; SAR(10 g) = 0.622 mW/g**
Maximum value of SAR (interpolated) = 0.930 mW/g

**Ab Scan/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.887 mW/g



## Section 12.0
## 896-902MHz Band Assessment of the offered data/audio cable
## (Section 13.4 Table 24)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/11/2009 3:53:24 PM**

Robot# / Run#: DASY4-FL-2 / JsT-Ab-091211-10
Phantom# / Tissue Temp.: OVAL1019 / 20.2 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 898.99375 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / SKN6238A
Start Power: 0.625 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 0.648 mW/g (1g); 0.474 mW/g (10g)

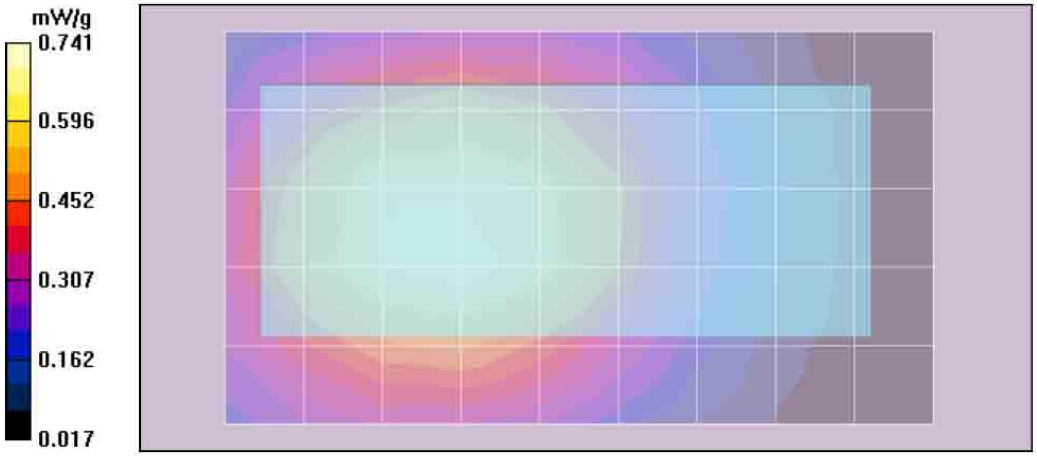
Comments: Full Scan; Back of DUT @ 2.5 cm.

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.8, 5.8, 5.8)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1.33, Medium parameters used: f = 899 MHz; $\sigma$ = 1.06 mho/m; $\varepsilon_r$ = 52.7; $\rho$ = 1000 kg/m3

**Ab Scan/5x5x7 Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 27.6 V/m; Power Drift = -0.675 dB
Peak SAR (extrapolated) = 0.843 W/kg
**SAR(1 g) = 0.648 mW/g; SAR(10 g) = 0.474 mW/g**
Maximum value of SAR (measured) = 0.678 mW/g

**Ab Scan/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 27.6 V/m; Power Drift = -0.253 dB
**Motorola Fast SAR: SAR(1 g) = 0.716 mW/g; SAR(10 g) = 0.504 mW/g**
Maximum value of SAR (interpolated) = 0.761 mW/g

**Ab Scan/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.684 mW/g



## Section 13.0
## 896-902MHz Band Assessment of frequency band edges of the offered antenna (Section 13.4 Table 25)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/11/2009 8:35:51 PM**

Robot# / Run#: DASY4-FL-2 / MeC-Ab-091211-14
Phantom# / Tissue Temp.: OVAL1019 / 20.0 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 896.01875 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.631 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 0.946 mW/g (1g); 0.683 mW/g (10g)

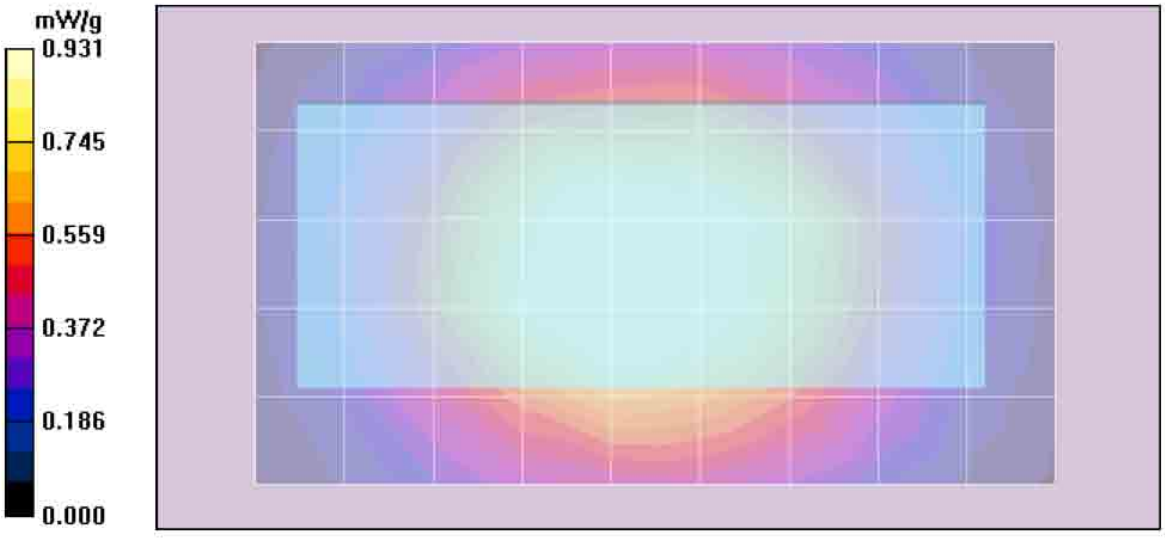
Comments: Full Scan; Back of DUT @ 2.5 cm. Tested with Zoom Extents set to 45 mm.

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.8, 5.8, 5.8)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1.33, Medium parameters used: f = 899 MHz; $\sigma$ = 1.06 mho/m; $\varepsilon_r$ = 52.7; $\rho$ = 1000 kg/m3

**Ab Scan/5x5x7 Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 28.9 V/m; Power Drift = -0.318 dB
Peak SAR (extrapolated) = 1.32 W/kg
**SAR(1 g) = 0.946 mW/g; SAR(10 g) = 0.683 mW/g**
Maximum value of SAR (measured) = 1.02 mW/g

**Ab Scan/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 30.7 V/m; Power Drift = -0.420 dB
**Motorola Fast SAR: SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.741 mW/g**
Maximum value of SAR (interpolated) = 1.14 mW/g

**Ab Scan/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.931 mW/g



## Section 14.0
## 896-902MHz Band Assessment without body worn accessory at 2.5cm
## (Section 13.4 Table 26)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/11/2009 8:35:51 PM**

Robot# / Run#: DASY4-FL-2 / MeC-Ab-091211-14
Phantom# / Tissue Temp.: OVAL1019 / 20.0 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 896.01875 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.631 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 0.946 mW/g (1g); 0.683 mW/g (10g)

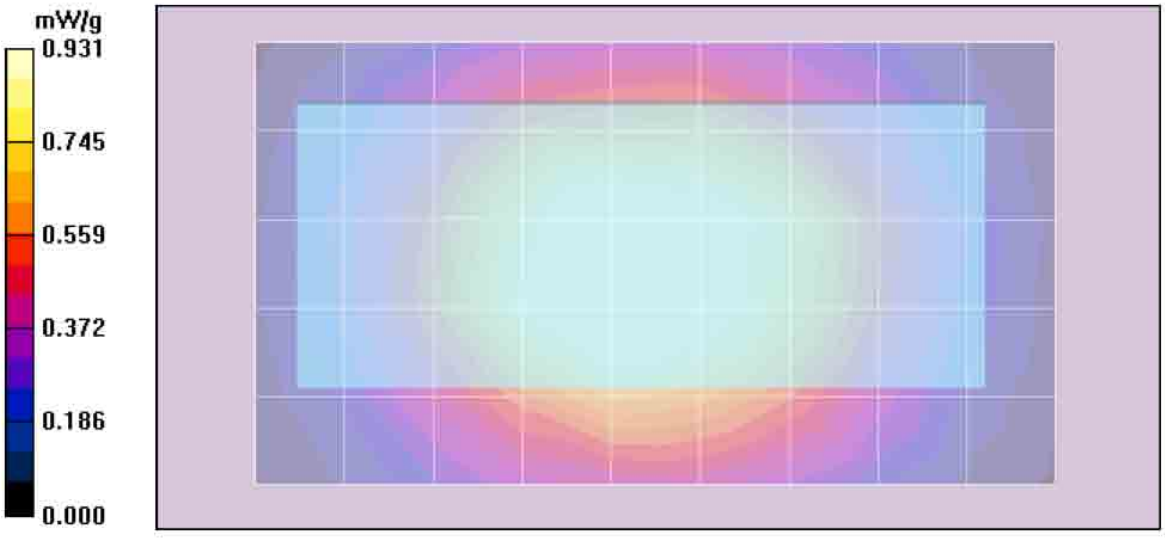
Comments: Full Scan; Back of DUT @ 2.5 cm. Tested with Zoom Extents set to 45 mm.

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.8, 5.8, 5.8)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1.33, Medium parameters used: f = 899 MHz; $\sigma$ = 1.06 mho/m; $\varepsilon_r$ = 52.7; $\rho$ = 1000 kg/m3

**Ab Scan/5x5x7 Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 28.9 V/m; Power Drift = -0.318 dB
Peak SAR (extrapolated) = 1.32 W/kg
**SAR(1 g) = 0.946 mW/g; SAR(10 g) = 0.683 mW/g**
Maximum value of SAR (measured) = 1.02 mW/g

**Ab Scan/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 30.7 V/m; Power Drift = -0.420 dB
**Motorola Fast SAR: SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.741 mW/g**
Maximum value of SAR (interpolated) = 1.14 mW/g

**Ab Scan/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.931 mW/g



## Section 15.0
## 896-902MHz Band Assessment of the offered batteries
## (Section 13.4 Table 27)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/4/2009 2:31:33 PM**

Robot# / Run#: DASY4-FL-2 / JsT-Lear-091204-14
Phantom# / Tissue Temp.: SAMTP1234 / 20.5 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 898.99375 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.628 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 1.24 mW/g (1g); 0.866 mW/g (10g)

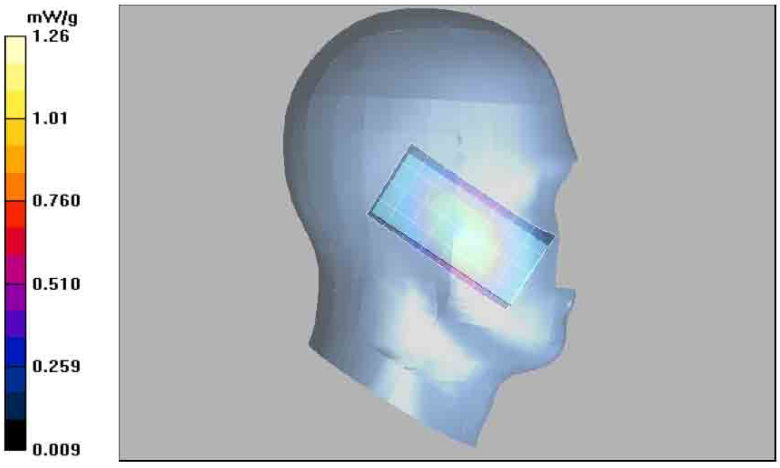
Comments: Full Scan; Touch

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.86, 5.86, 5.86)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:3, Medium parameters used: f = 899 MHz; $\sigma$ = 0.96 mho/m; $\varepsilon_r$ = 41.3; $\rho$ = 1000 kg/m3

**Left Ear-Touch position/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 35.2 V/m; Power Drift = -0.380 dB
Peak SAR (extrapolated) = 1.63 W/kg
**SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.864 mW/g**
Maximum value of SAR (measured) = 1.29 mW/g

**Left Ear-Touch position/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 35.2 V/m; Power Drift = -0.131 dB
**Motorola Fast SAR: SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.855 mW/g**
Maximum value of SAR (interpolated) = 1.32 mW/g

**Left Ear-Touch position/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.20 mW/g



## Section 16.0
## 896-902MHz Band Assessment of the tilt position
## (Section 13.4 Table 28)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/4/2009 4:15:42 PM**

Robot# / Run#: DASY4-FL-2 / JsT-Lear-091204-16
Phantom# / Tissue Temp.: SAMTP1234 / 19.9 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 898.99375 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.627 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 0.849 mW/g (1g); 0.597 mW/g (10g)

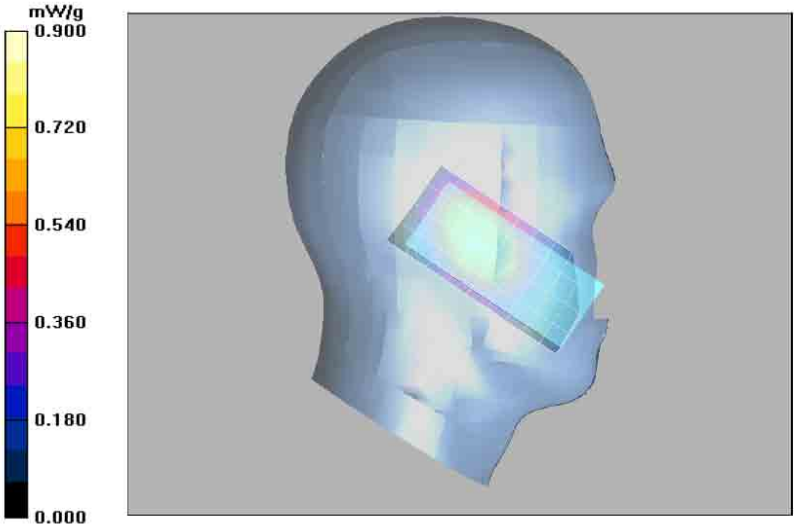
Comments: Full Scan; Tilt

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.86, 5.86, 5.86)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:3, Medium parameters used: f = 899 MHz; $\sigma$ = 0.96 mho/m; $\varepsilon_r$ = 41.3; $\rho$ = 1000 kg/m3

**Left Ear-15D Tilt position/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 30.6 V/m; Power Drift = -0.124 dB
Peak SAR (extrapolated) = 1.10 W/kg
**SAR(1 g) = 0.845 mW/g; SAR(10 g) = 0.596 mW/g**
Maximum value of SAR (measured) = 0.910 mW/g

**Left Ear-15D Tilt position/Area Scan (41x91x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 30.6 V/m; Power Drift = -0.0106 dB
**Motorola Fast SAR: SAR(1 g) = 0.844 mW/g; SAR(10 g) = 0.580 mW/g**
Maximum value of SAR (interpolated) = 0.908 mW/g

**Left Ear-15D Tilt position/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.861 mW/g



## Section 17.0
## 896-902MHz Band Assessment of frequency band edges of the offered antenna (Section 13.4 Table 29)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/4/2009 7:05:32 PM**

Robot# / Run#: DASY4-FL-2 / CM-Lear-091204-18
Phantom# / Tissue Temp.: SAMTP1234 / 20.0 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 901.98125 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.620 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 1.22 mW/g (1g); 0.856 mW/g (10g)

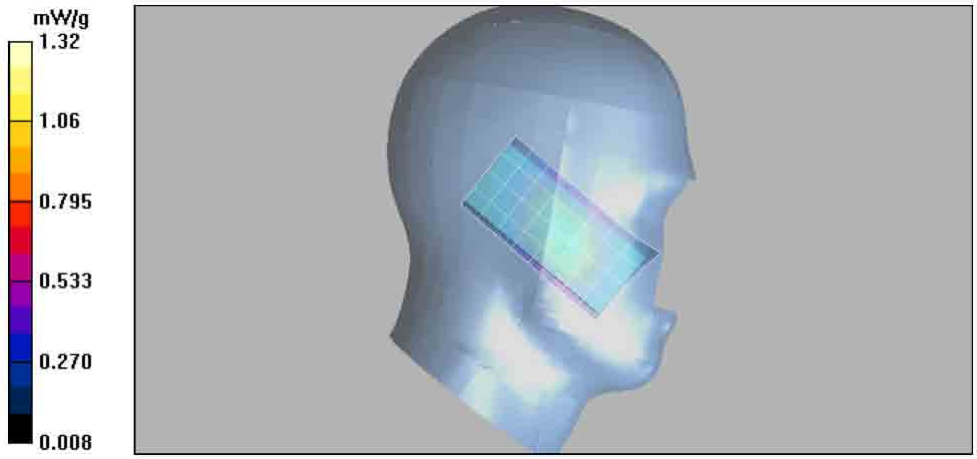
Comments: Full Scan; Touch

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.86, 5.86, 5.86)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:3, Medium parameters used: f = 899 MHz; $\sigma$ = 0.96 mho/m; $\varepsilon_r$ = 41.3; $\rho$ = 1000 kg/m3

**Left Ear-Touch position/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 35.5 V/m; Power Drift = -0.283 dB
Peak SAR (extrapolated) = 1.61 W/kg
**SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.854 mW/g**
Maximum value of SAR (measured) = 1.30 mW/g

**Left Ear-Touch position/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 35.5 V/m; Power Drift = -0.135 dB
**Motorola Fast SAR: SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.862 mW/g**
Maximum value of SAR (interpolated) = 1.36 mW/g

**Left Ear-Touch position/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.19 mW/g



## Section 18.0
## 896-902MHz Band Assessment of the touch and tilt position
## (Section 13.4 Table 30)
# Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/5/2009 5:10:06 AM**

Robot# / Run#: DASY4-FL-2 / HvH-Rear-091205-02
Phantom# / Tissue Temp.: SAMTP1234 / 20.4 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 898.99375 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.628 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 1.21 mW/g (1g); 0.850 mW/g (10g)

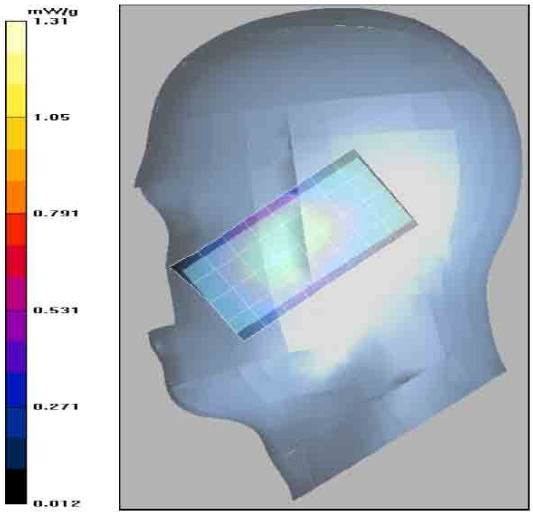
Comments: Full Scan; Touch

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.86, 5.86, 5.86)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:3, Medium parameters used: f = 899 MHz; $\sigma$ = 0.97 mho/m; $\varepsilon_r$ = 41.5; $\rho$ = 1000 kg/m3

**Right Ear-Touch Position/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 36.5 V/m; Power Drift = -0.204 dB
Peak SAR (extrapolated) = 1.63 W/kg
**SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.850 mW/g**
Maximum value of SAR (measured) = 1.30 mW/g

**Right Ear-Touch Position/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 36.5 V/m; Power Drift = -0.0713 dB
**Motorola Fast SAR: SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.864 mW/g**
Maximum value of SAR (interpolated) = 1.34 mW/g

**Right Ear-Touch Position/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.27 mW/g



## Section 19.0
## 896-902MHz Band Assessment of frequency band edges of the offered antenna (Section 13.4 Table 31)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/5/2009 6:14:33 AM**

Robot# / Run#: DASY4-FL-2 / HvH-Rear-091205-04
Phantom# / Tissue Temp.: SAMTP1234 / 20.2 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 896.01875 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.629 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 1.32 mW/g (1g); 0.921 mW/g (10g)

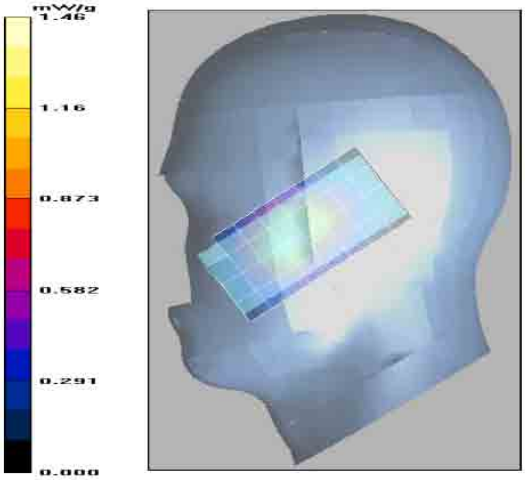
Comments: Full Scan; Touch

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.86, 5.86, 5.86)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:3, Medium parameters used: f = 899 MHz; $\sigma$ = 0.97 mho/m; $\varepsilon_r$ = 41.5; $\rho$ = 1000 kg/m3

**Right Ear-Touch Position/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 37.5 V/m; Power Drift = -0.264 dB
Peak SAR (extrapolated) = 1.80 W/kg
**SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.921 mW/g**
Maximum value of SAR (measured) = 1.42 mW/g

**Right Ear-Touch Position/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 37.5 V/m; Power Drift = -0.137 dB
**Motorola Fast SAR: SAR(1 g) = 1.39 mW/g; SAR(10 g) = 0.941 mW/g**
Maximum value of SAR (interpolated) = 1.49 mW/g

**Right Ear-Touch Position/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.36 mW/g



## Section 20.0
## 896-902MHz Band Assessment of frequency band of the offered antenna
## (Section 13.4 Table 32)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/5/2009 8:42:08 AM**

Robot# / Run#: DASY4-FL-2 / HvH-Face-091205-10
Phantom# / Tissue Temp.: SAMTP1234 / 20.1 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 898.99375 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.629 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: .246 mW/g (1g); .174 mW/g (10g)

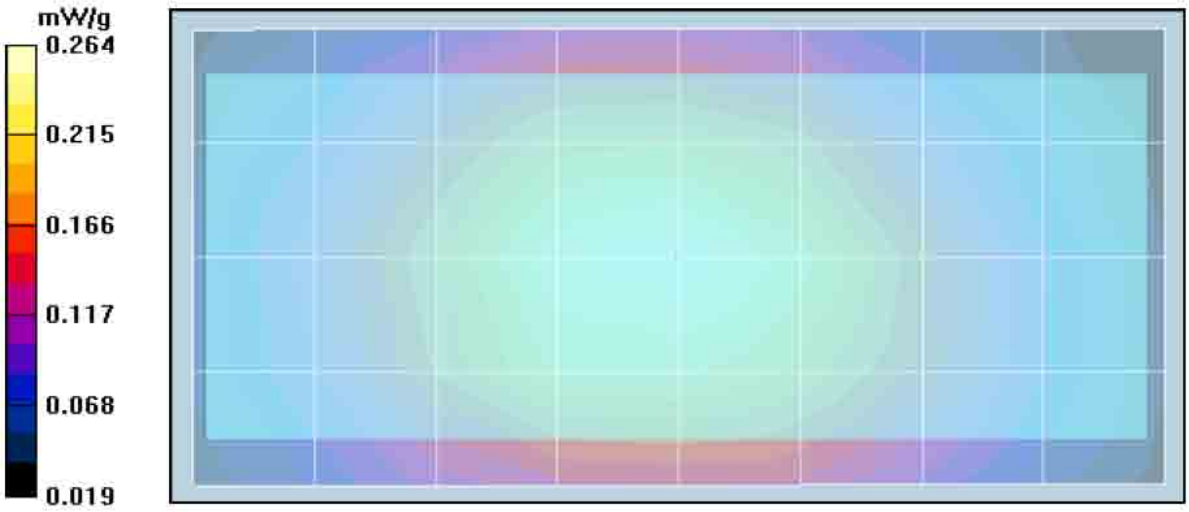
Comments: Full Scan; front at 2.5cm.

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.86, 5.86, 5.86)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:6, Medium parameters used: f = 899 MHz; $\sigma$ = 0.97 mho/m; $\varepsilon_r$ = 41.5; $\rho$ = 1000 kg/m3

**Face Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.6 V/m; Power Drift = 0.0111 dB
Peak SAR (extrapolated) = 0.352 W/kg
**SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.174 mW/g**
Maximum value of SAR (measured) = 0.259 mW/g

**Face Scan/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 15.6 V/m; Power Drift = -0.0297 dB
**Motorola Fast SAR: SAR(1 g) = 0.250 mW/g; SAR(10 g) = 0.175 mW/g**
Maximum value of SAR (interpolated) = 0.266 mW/g

**Face Scan/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.259 mW/g



## Section 21.0
## MOTOtalk Assessment of the offered batteries
## (Section 13.6 Table 33)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/14/2009 9:56:05 AM**

Robot# / Run#: DASY4-FL-2 / HvH-Ab-091214-02
Phantom# / Tissue Temp.: OVAL1019 / 20.6 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 915.5250 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / NNTN5330B
Start Power: 0.845 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 1.38 mW/g (1g); 0.990 mW/g (10g)

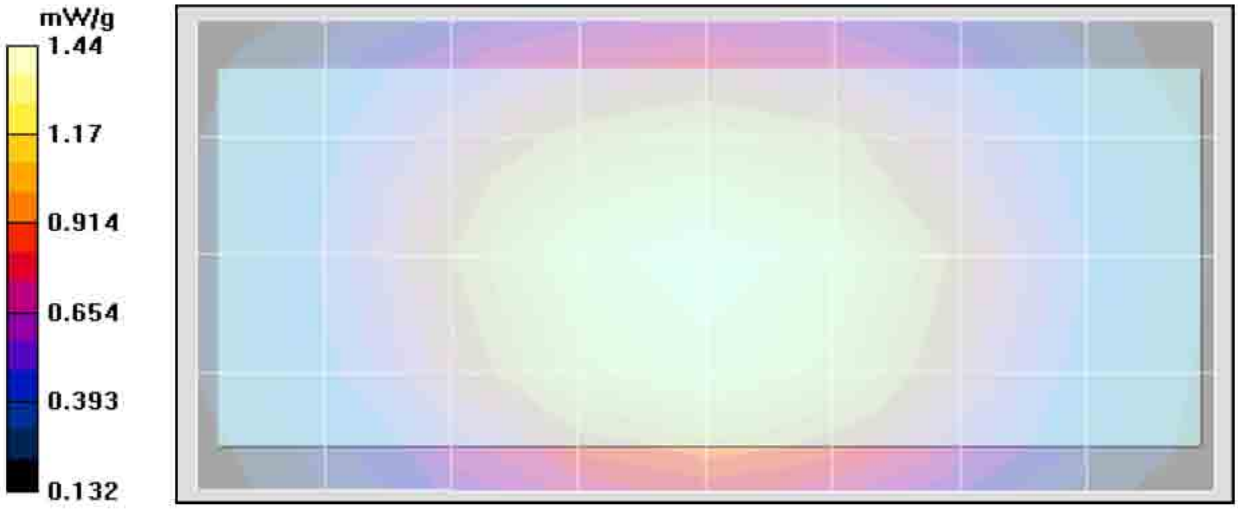
Comments: Full Scan; Back of DUT @ 2.5 cm.

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.8, 5.8, 5.8)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1.05, Medium parameters used: f = 915 MHz; $\sigma$ = 1.07 mho/m; $\varepsilon_r$ = 52.4; $\rho$ = 1000 kg/m$^3$

**Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 33.8 V/m; Power Drift = 0.0185 dB
Peak SAR (extrapolated) = 1.85 W/kg
**SAR(1 g) = 1.38 mW/g; SAR(10 g) = 0.990 mW/g**
Maximum value of SAR (measured) = 1.46 mW/g

**Ab Scan/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 33.8 V/m; Power Drift = -0.0144 dB
**Motorola Fast SAR: SAR(1 g) = 1.37 mW/g; SAR(10 g) = 0.961 mW/g**
Maximum value of SAR (interpolated) = 1.45 mW/g

**Ab Scan/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.47 mW/g



## Section 22.0
## MOTOtalk Assessment of the offered audio accessories
## (Section 13.6 Table 34)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/14/2009 10:50:56 AM**

Robot# / Run#: DASY4-FL-2 / HvH-Ab-091214-04
Phantom# / Tissue Temp.: OVAL1019 / 20.5 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 915.5250 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / NNTN5211B
Start Power: 0.846 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 1.48 mW/g (1g); 1.06 mW/g (10g)

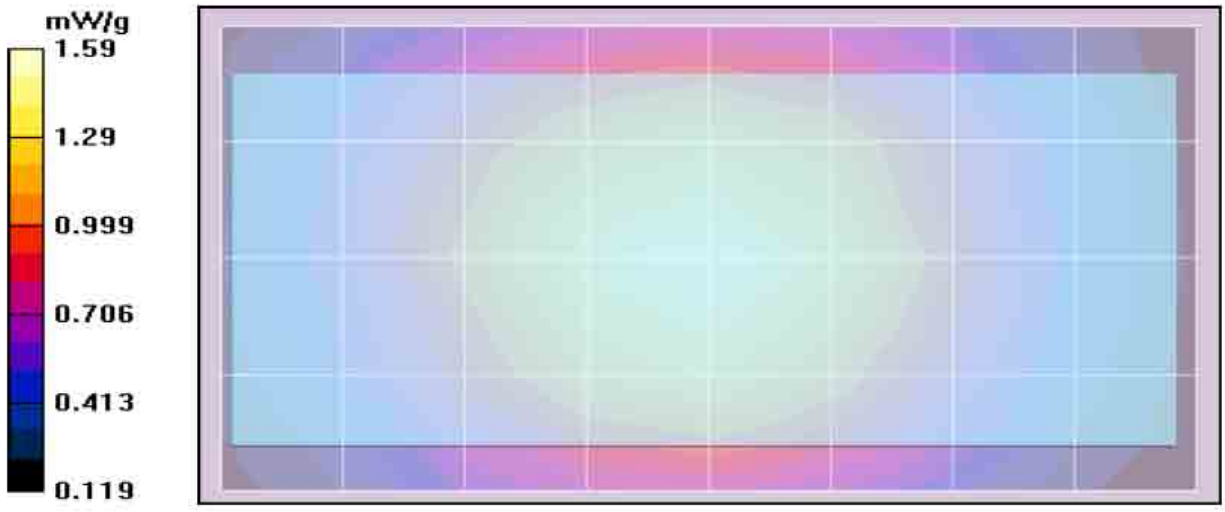
Comments: Full Scan; Back of DUT @ 2.5 cm.

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.8, 5.8, 5.8)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1.05, Medium parameters used: f = 915 MHz; $\sigma$ = 1.07 mho/m; $\varepsilon_r$ = 52.4; $\rho$ = 1000 kg/m3

**Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 36.1 V/m; Power Drift = -0.0957 dB
Peak SAR (extrapolated) = 1.98 W/kg
**SAR(1 g) = 1.48 mW/g; SAR(10 g) = 1.06 mW/g**
Maximum value of SAR (measured) = 1.57 mW/g

**Ab Scan/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 36.1 V/m; Power Drift = -0.0793 dB
**Motorola Fast SAR: SAR(1 g) = 1.5 mW/g; SAR(10 g) = 1.05 mW/g**
Maximum value of SAR (interpolated) = 1.59 mW/g

**Ab Scan/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.58 mW/g



## Section 23.0
## MOTOtalk Assessment of frequency band edges of the offered antenna
## (Section 13.6 Table 35)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/14/2009 12:05:13 PM**

Robot# / Run#: DASY4-FL-2 / HvH-Ab-091214-06
Phantom# / Tissue Temp.: OVAL1019 / 20.3 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 902.5250 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / NNTN5211B
Start Power: 0.845 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 1.66 mW/g (1g); 1.19 mW/g (10g)

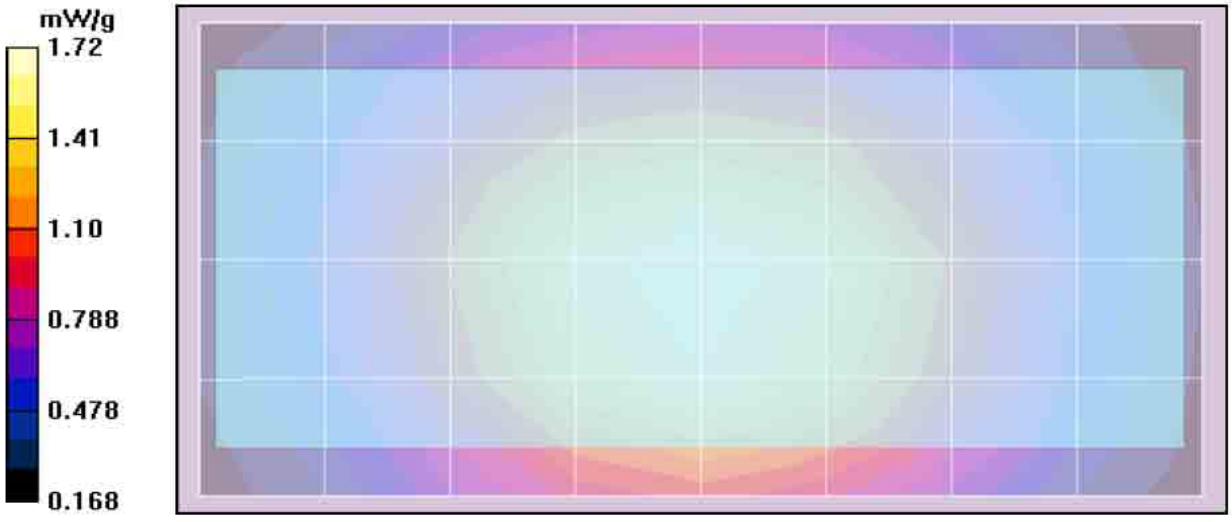
Comments: Full Scan; Back of DUT @ 2.5 cm.

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.8, 5.8, 5.8)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1.05, Medium parameters used: f = 915 MHz; $\sigma$ = 1.07 mho/m; $\varepsilon_r$ = 52.4; $\rho$ = 1000 kg/m3

**Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 37.3 V/m; Power Drift = -0.00394 dB
Peak SAR (extrapolated) = 2.20 W/kg
**SAR(1 g) = 1.66 mW/g; SAR(10 g) = 1.19 mW/g**
Maximum value of SAR (measured) = 1.76 mW/g

**Ab Scan/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 37.3 V/m; Power Drift = -0.0641 dB
**Motorola Fast SAR: SAR(1 g) = 1.66 mW/g; SAR(10 g) = 1.16 mW/g**
Maximum value of SAR (interpolated) = 1.75 mW/g

**Ab Scan/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.76 mW/g



## Section 24.0
## MOTOtalk Assessment without body worn accessory at 2.5cm
## (Section 13.6 Table 36)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/14/2009 12:05:13 PM**

Robot# / Run#: DASY4-FL-2 / HvH-Ab-091214-06
Phantom# / Tissue Temp.: OVAL1019 / 20.3 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 902.5250 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / NNTN5211B
Start Power: 0.845 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 1.66 mW/g (1g); 1.19 mW/g (10g)

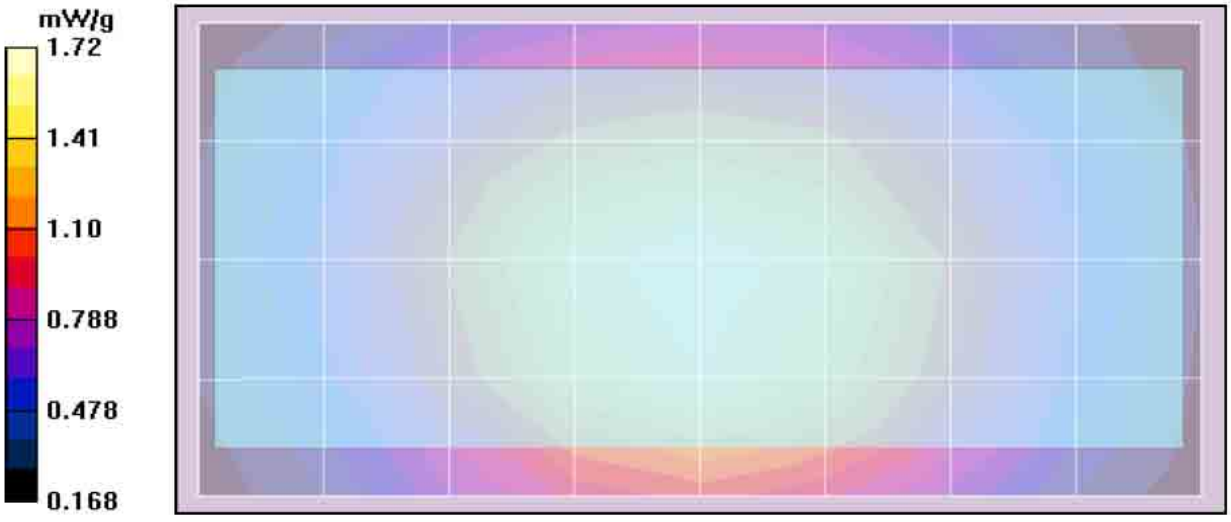
Comments: Full Scan; Back of DUT @ 2.5 cm.

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.8, 5.8, 5.8)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1.05, Medium parameters used: f = 915 MHz; $\sigma$ = 1.07 mho/m; $\varepsilon_r$ = 52.4; $\rho$ = 1000 kg/m3

**Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 37.3 V/m; Power Drift = -0.00394 dB
Peak SAR (extrapolated) = 2.20 W/kg
**SAR(1 g) = 1.66 mW/g; SAR(10 g) = 1.19 mW/g**
Maximum value of SAR (measured) = 1.76 mW/g

**Ab Scan/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 37.3 V/m; Power Drift = -0.0641 dB
**Motorola Fast SAR: SAR(1 g) = 1.66 mW/g; SAR(10 g) = 1.16 mW/g**
Maximum value of SAR (interpolated) = 1.75 mW/g

**Ab Scan/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.76 mW/g



## Section 25.0
## MOTOtalk Assessment of the offered batteries
## (Section 13.6 Table 37)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/5/2009 9:43:21 AM**

Robot# / Run#: DASY4-FL-2 / HvH-Face-091205-13
Phantom# / Tissue Temp.: SAMTP1234 / 20.0 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 915.5250 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.829 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 1.53 mW/g (1g); 1.09 mW/g (10g)

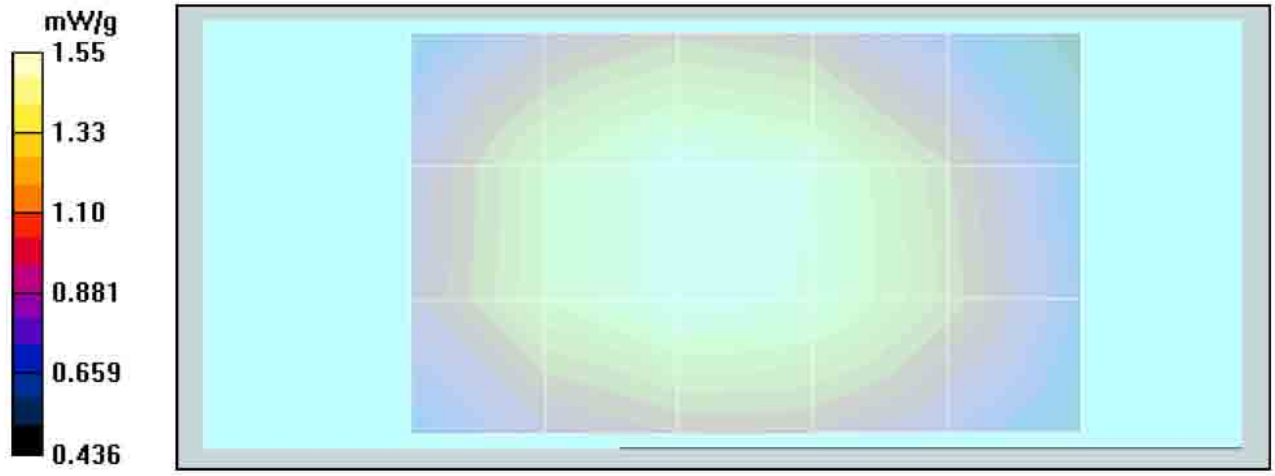
Comments: Full Scan; front at 2.5cm.

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.86, 5.86, 5.86)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1.05, Medium parameters used: f = 915 MHz; $\sigma$ = 0.98 mho/m; $\varepsilon_r$ = 41.3; $\rho$ = 1000 kg/m3

**Face Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 38.9 V/m; Power Drift = -0.0737 dB
Peak SAR (extrapolated) = 2.08 W/kg
**SAR(1 g) = 1.53 mW/g; SAR(10 g) = 1.09 mW/g**
Maximum value of SAR (measured) = 1.61 mW/g

**Face Scan/Area Scan (31x51x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 38.9 V/m; Power Drift = -0.0601 dB
**Motorola Fast SAR: SAR(1 g) = 1.55 mW/g; SAR(10 g) = 1.09 mW/g**
Maximum value of SAR (interpolated) = 1.61 mW/g

**Face Scan/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.63 mW/g



## Section 26.0
## MOTOtalk Assessment of frequency band edges of the offered antenna
## (Section 13.6 Table 38)
## Motorola Enterprise Mobility Solutions EME Laboratory
**Date/Time: 12/5/2009 11:02:29 AM**

Robot# / Run#: DASY4-FL-2 / HvH-Face-091205-16
Phantom# / Tissue Temp.: SAMTP1234 / 20.2 (C)
DUT Model# / Serial#: H88XAH6JR2AN / 364VKUTFS8
Antenna / TX Freq.: 85009260001 (Internal) / 902.5250 (MHz)
Battery: SNN5795A w/ NTN2565XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.839 (W)

Note: The measured SAR results, when applicable, are scaled according to FCC KDB450824. These scaled SAR results are shown below as Calculated.

Calculated: 1.81 mW/g (1g); 1.29 mW/g (10g)

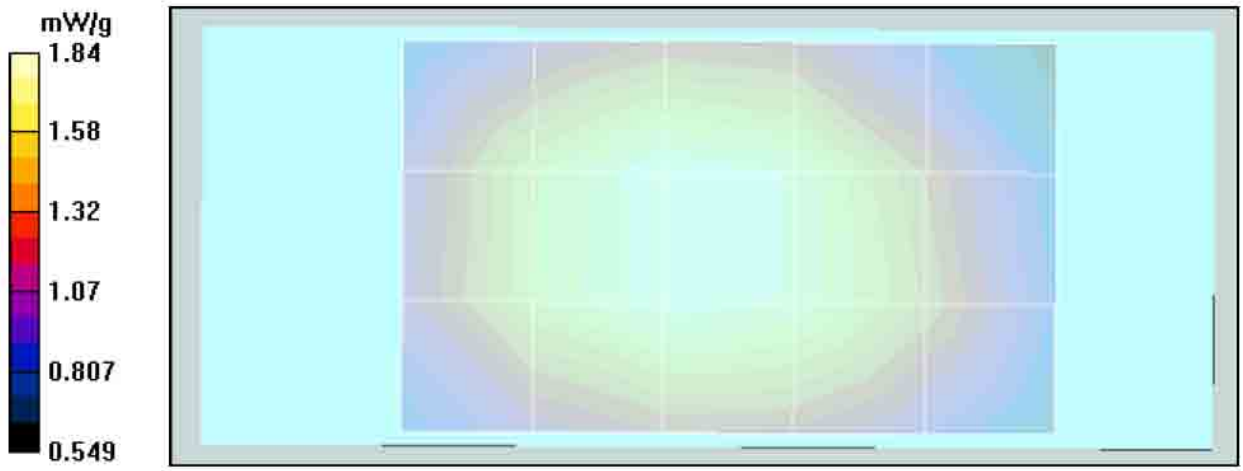
Comments: Full Scan; front at 2.5cm.

Probe: ES3DV3 - SN3147, Calibrated: 2/13/2009, ConvF(5.86, 5.86, 5.86)
Electronics: DAE3 Sn363, Calibrated: 4/28/2009
Duty Cycle: 1:1.05, Medium parameters used: f = 915 MHz; $\sigma$ = 0.98 mho/m; $\varepsilon_r$ = 41.3; $\rho$ = 1000 kg/m3

**Face Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 41.9 V/m; Power Drift = -0.0551 dB
Peak SAR (extrapolated) = 2.43 W/kg
**SAR(1 g) = 1.81 mW/g; SAR(10 g) = 1.29 mW/g**
Maximum value of SAR (measured) = 1.90 mW/g

**Face Scan/Area Scan (31x51x1):** Measurement grid: dx=15mm, dy=15mm
Reference Value = 41.9 V/m; Power Drift = -0.0642 dB
**Motorola Fast SAR: SAR(1 g) = 1.84 mW/g; SAR(10 g) = 1.29 mW/g**
Maximum value of SAR (interpolated) = 1.92 mW/g

**Face Scan/Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.90 mW/g

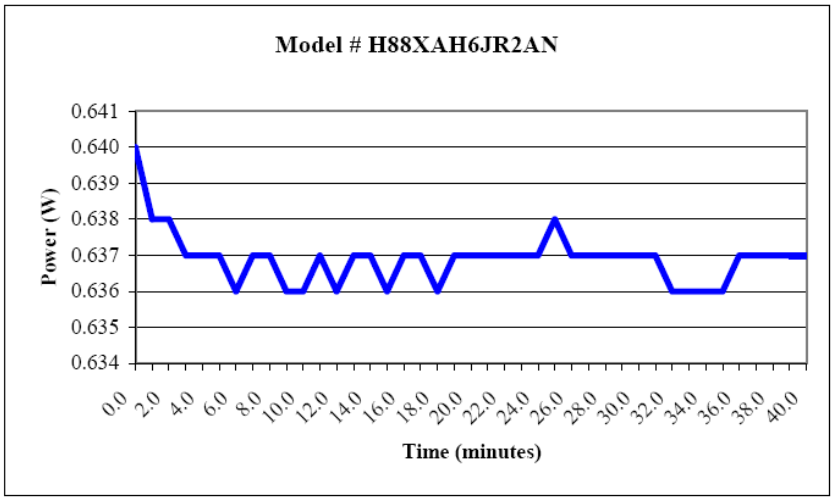


# APPENDIX G
# DUT Supplementary Data (Power slump)

## Model # H88XAH6JR2AN
## Serial # 364VKUTFS8

| | | | |
|---|---|---|---|
| Battery | SNN5795A | Transmit Mode | 1:3 |
| Frequency | 896.01875 MHz | Audio Accessory | None |
| Date | 12/16/2009 | iDen "RF" Cable #012 with 0.4 dB Offset | |

| TX TIME (Minutes) | Measured Power (Watts) |
|---|---|
| | |
| 0.0 | 0.640 |
| 1.0 | 0.638 |
| 2.0 | 0.638 |
| 3.0 | 0.637 |
| 4.0 | 0.637 |
| 5.0 | 0.637 |
| 6.0 | 0.636 |
| 7.0 | 0.637 |
| 8.0 | 0.637 |
| 9.0 | 0.636 |
| 10.0 | 0.636 |
| 11.0 | 0.637 |
| 12.0 | 0.636 |
| 13.0 | 0.637 |
| 14.0 | 0.637 |
| 15.0 | 0.636 |
| 16.0 | 0.637 |
| 17.0 | 0.637 |
| 18.0 | 0.636 |
| 19.0 | 0.637 |
| 20.0 | 0.637 |
| 21.0 | 0.637 |
| 22.0 | 0.637 |
| 23.0 | 0.637 |
| 24.0 | 0.637 |
| 25.0 | 0.638 |
| 26.0 | 0.637 |
| 27.0 | 0.637 |
| 28.0 | 0.637 |
| 29.0 | 0.637 |
| 30.0 | 0.637 |
| 31.0 | 0.637 |
| 32.0 | 0.636 |
| 33.0 | 0.636 |
| 34.0 | 0.636 |
| 35.0 | 0.636 |
| 36.0 | 0.637 |
| 37.0 | 0.637 |
| 38.0 | 0.637 |
| 39.0 | 0.637 |
| 40.0 | 0.637 |



# Appendix H
# DUT Test Position Photos

**Photos available in Exhibit 7B**

# Appendix I
# DUT and Body worn Accessory Photos

**Photos available in Exhibit 7B**