


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: 07/9/10
Report Revision: O
Report ID: SAR rpt_H76XAH6JR4AN_Rev
 O_100709_SR8342

Responsible Engineer: Stephen Whalen (Principal Staff Eng.)
Report Author: Michael Sailsman (Senior Staff Eng.)
Date/s Tested: 5/27/10, 5/28/10, 6/2/10, 6/4/10, 6/8/10, 6/18/10, 6/21/10
Manufacturer/Location: China
Sector/Group/Div.: iDEN Mobile Devices
Date submitted for test: 5/11/10
DUT Description: TDMA: Packet Data 81:120, 2:6, 1:12, and 1:6; M64QAM, M16QAM, and QPSK Modulations; 0.6 W Pulse Avg; MOTOtalk: 114:120 8FSK; 0.74 W nominal (GPS and Bluetooth Capable).
Test TX mode(s): Phone 1:3, Dispatch 1:6, Data 81:120 and MOTOtalk:114:120
Max. Power output: 0.640 W pulsed average conducted power (iDEN); 0.800 W (MOTOtalk); 0.010 W (Bluetooth)
Nominal Power: 0.60 W pulsed average conducted power (iDEN); 0.740 W (MOTOtalk); 0.0063 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: H76XAH6JR4AN
Model(s) Certified: H76XAH6JR4AN
Serial Number(s): 364VLGNT3D, 364VLGNW88
Classification: General Population/Uncontrolled

DUT Photo
 (Refer to Exhibit 7B)

Regulatory Identifications

FCC ID: IHDP56LN1 – Rule Part(s) 15, 90

SAR results outside of Part 90 are not applicable for FCC compliance demonstration.

IC ID: 109O-P56LN1

Max. Calc. : 1-g Avg. SAR: 1.42 W/kg (Body); 10-g Avg. SAR: 1.01 W/kg (Body)
Max. Calc. : 1-g Avg. SAR: 0.76 W/kg (Face); 10-g Avg. SAR: 0.54 W/kg (Face)
Max. Calc. : 1-g Avg. SAR: 1.04 W/kg (Head); 10-g Avg. SAR: 0.69 W/kg (Head)

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: 7/9/10
Certification Date: 7/9/10
Certification No.:

APPENDIX C
Dipole Calibration Certificates

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



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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 EME**

Certificate No: **D900V2-084_Mar10**

CALIBRATION CERTIFICATE

Object **D900V2 - SN: 084**

Calibration procedure(s) **QA CAL-05.v7
Calibration procedure for dipole validation kits**

Calibration date: **March 22, 2010**

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 $(22 \pm 3)^\circ\text{C}$ 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	06-Oct-09 (No. 217-01086)	Oct-10
Power sensor HP 8481A	US37292783	06-Oct-09 (No. 217-01086)	Oct-10
Reference 20 dB Attenuator	SN: 5086 (20g)	31-Mar-09 (No. 217-01025)	Mar-10
Type-N mismatch combination	SN: 5047.2 / 06327	31-Mar-09 (No. 217-01029)	Mar-10
Reference Probe ES3DV3	SN: 3205	26-Jun-09 (No. ES3-3205_Jun09)	Jun-10
DAE4	SN: 601	02-Mar-10 (No. DAE4-601_Mar10)	Mar-11
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Power sensor HP 8481A	MY41092317	18-Oct-02 (in house check Oct-09)	In house check: Oct-11
RF generator R&S SMT-06	100005	4-Aug-99 (in house check Oct-09)	In house check: Oct-11
Network Analyzer HP 8753E	US37390585 S4206	18-Oct-01 (in house check Oct-09)	In house check: Oct-10

	Name	Function	Signature
Calibrated by:	Dimce Iliev	Laboratory Technician	
Approved by:	Katja Pokovic	Technical Manager	

Issued: March 22, 2010

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

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 Zeughausstrasse 43, 8004 Zurich, Switzerland



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 Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 108**

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:

- 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
- 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
- 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:

- 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	V5.2
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 $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.2 °C	41.5	0.97 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	42.2 $\pm$ 6 %	0.97 mho/m $\pm$ 6 %
Head TSL temperature during test	(21.5 $\pm$ 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	2.74 mW / g
SAR normalized	normalized to 1W	11.0 mW / g
SAR for nominal Head TSL parameters	normalized to 1W	11.0 mW / g $\pm$ 17.0 % (k=2)

SAR averaged over 10 cm³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	1.75 mW / g
SAR normalized	normalized to 1W	7.00 mW / g
SAR for nominal Head TSL parameters	normalized to 1W	7.01 mW / g $\pm$ 16.5 % (k=2)

Appendix

Antenna Parameters with Head TSL

Impedance, transformed to feed point	49.7 Ω - 7.8 j Ω
Return Loss	- 22.1 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.391 ns
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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: 22.03.2010 12:28:12

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 900 MHz; Type: D900V2; Serial: D900V2 - SN:084

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: HSL900

Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 42$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3205; ConvF(5.88, 5.88, 5.88); Calibrated: 26.06.2009
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 02.03.2010
- Phantom: Flat Phantom 4.9L; Type: QD000P49AA; Serial: 1001
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

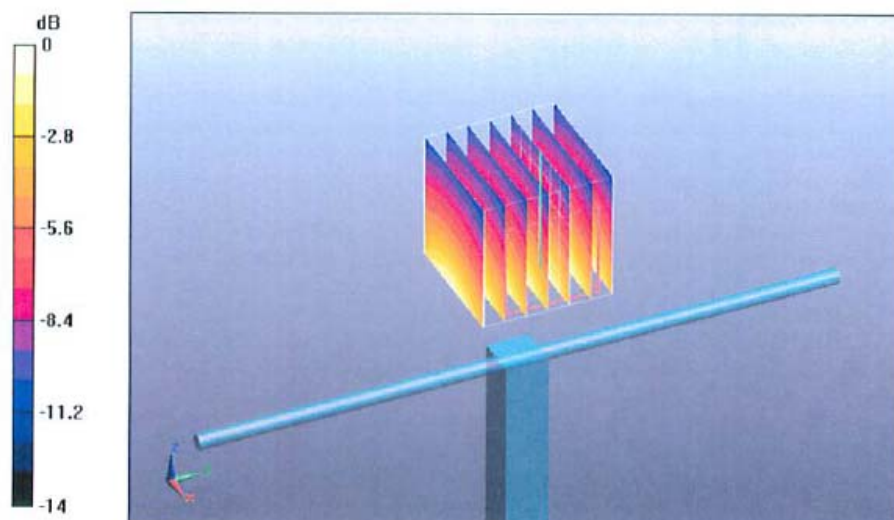
Pin=250 mW /d=15mm, dist=3.0mm (ES-Probe) /Zoom Scan (7x7x7) /Cube 0: Measurement
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.8 V/m; Power Drift = 0.036 dB

Peak SAR (extrapolated) = 4.14 W/kg

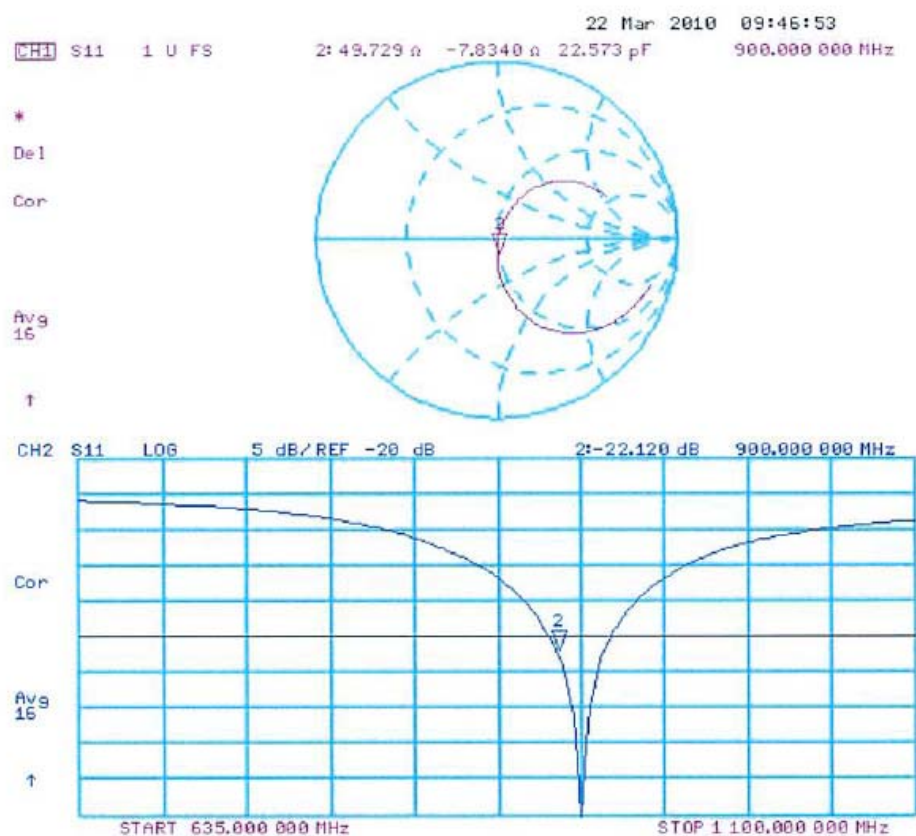
SAR(1 g) = 2.74 mW/g; SAR(10 g) = 1.75 mW/g

Maximum value of SAR (measured) = 3.19 mW/g



0 dB = 3.19mW/g

Impedance Measurement Plot for Head TSL



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Accreditation No.: **SCS 108**

Client **Motorola CGISS**

Certificate No: **D2450V2-704_Nov08**

CALIBRATION CERTIFICATE

Object **D2450V2 - SN: 704**

Calibration procedure(s) **QA CAL-05.v7**
Calibration procedure for dipole validation kits

Calibration date: **November 18, 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: S5086 (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-08)	In house check: Oct-09

	Name	Function	Signature
Calibrated by:	Claudio Leubler	Laboratory Technician	
Approved by:	Katja Pokovic	Technical Manager	

Issued: November 18, 2008

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Calibration is Performed According to the Following Standards:

- 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
- 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
- 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:

- 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 V5.0	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	2450 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	39.2	1.80 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	38.4 $\pm$ 6 %	1.84 mho/m $\pm$ 6 %
Head TSL temperature during test	(22.0 $\pm$ 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	13.5 mW / g
SAR normalized	normalized to 1W	54.0 mW / g
SAR for nominal Head TSL parameters ¹	normalized to 1W	52.9 mW / g $\pm$ 17.0 % (k=2)

SAR averaged over 10 cm³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	6.30 mW / g
SAR normalized	normalized to 1W	25.2 mW / g
SAR for nominal Head TSL parameters ¹	normalized to 1W	24.9 mW / g $\pm$ 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	$53.7 \Omega + 0.8 j\Omega$
Return Loss	- 28.8 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.153 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	March 22, 2001

DASY5 Validation Report for Head TSL

Date/Time: 18.11.2008 12:27:36

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN704

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL U10 BB

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.84$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC)

DASY5 Configuration:

- Probe: ES3DV2 - SN3025; ConvF(4.4, 4.4, 4.4); Calibrated: 28.04.2008
- Sensor-Surface: 3.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 14.03.2008
- Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; Serial: 1001
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Pin = 250 mW; d = 10 mm/Zoom Scan (7x7x7)/Cube 0:

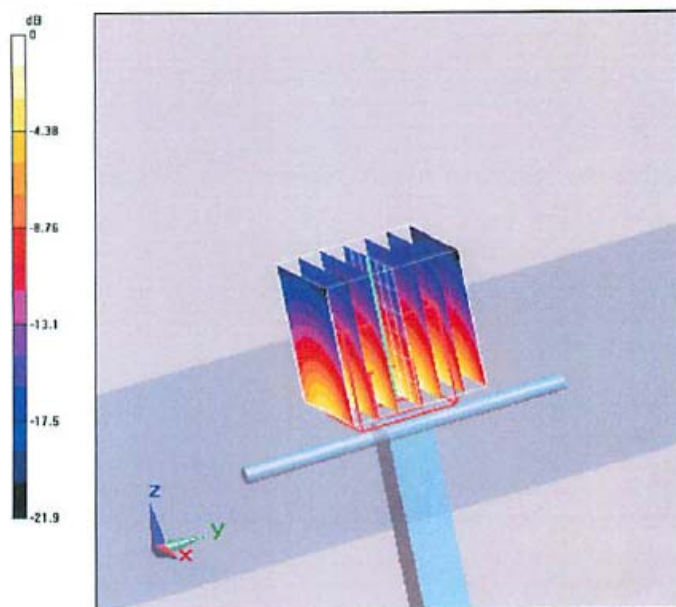
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 96.3 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 28.4 W/kg

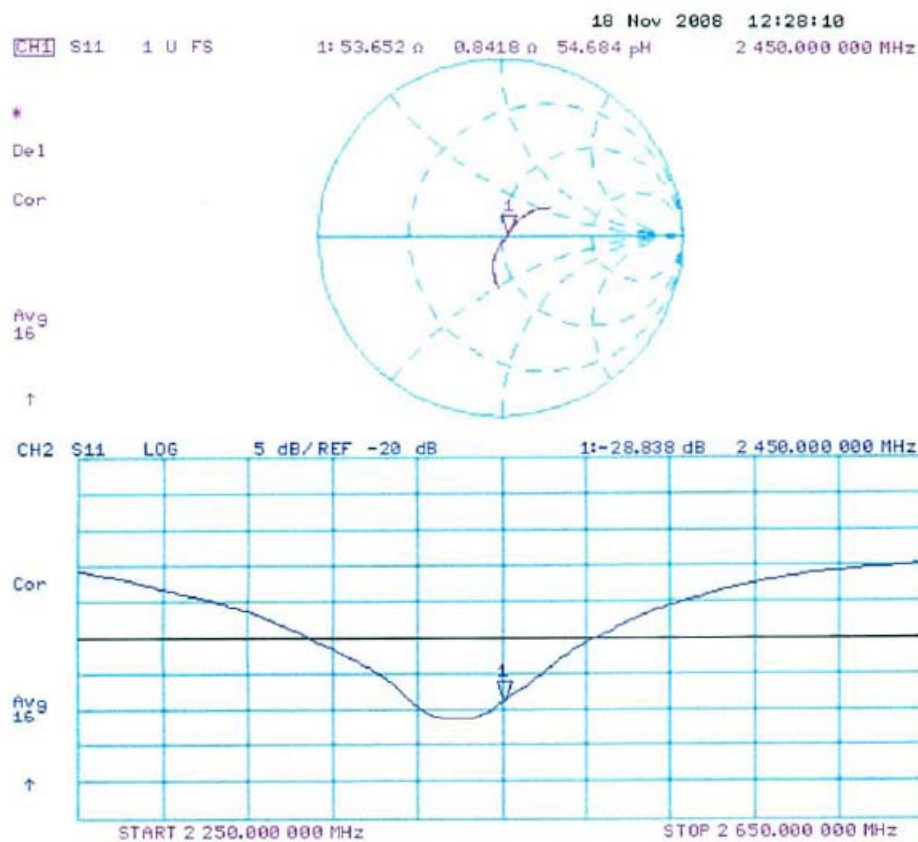
SAR(1 g) = 13.5 mW/g; SAR(10 g) = 6.3 mW/g

Maximum value of SAR (measured) = 16.3 mW/g



0 dB = 16.3mW/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 084 and D2450V2 S/N 704 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. 11.0 +/-17.0% at k=2 for the D900V2 S/N 084 and 52.9 +/-17.0% at k=2 for the D2450V2 S/N 704)
- The allowed tolerance for the probes is also higher than +/- 10% (e.g. 11.0% at k=2 at 900MHz and 2450MHz 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 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 dipole, when using the simulated head tissue, meets the requirement for the system validation per IEEE1528-2003 and IEC62209-2 standards, and the difference between this result and the result from the manufacture's dipole calibration certificate is 5.73% for 900 MHz and 8.13% for 2450MHz, 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: 5/27/2010 6:56:48 AM

Robot# / Run#: DASY4-FL-2 / JsT-SYSP-900B-100527-01

Phantom# / Tissue Temp.: OVAL1019 / 20.1 (C)

Dipole Model# / Serial#: D900V2 / 084

TX Freq. / Start power: 900 (MHz) / 250 (mW)

Target SAR (1W): 11.60 mW/g (1g)

Adjusted SAR (1W): 11.92 mW/g (1g)

Percent from Target (+/-): 2.8 % (1g)

Rotation (1D): 0.036 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: 2.98 mW/g (1g); 1.92 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.81, 5.81, 5.81)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.06$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³**System Performance Check/0-Degree Cube (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 55.9 V/m; Power Drift = 0.0119 dB

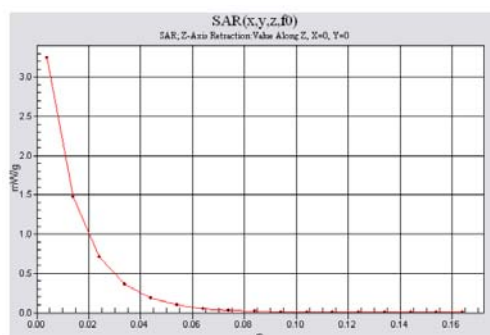
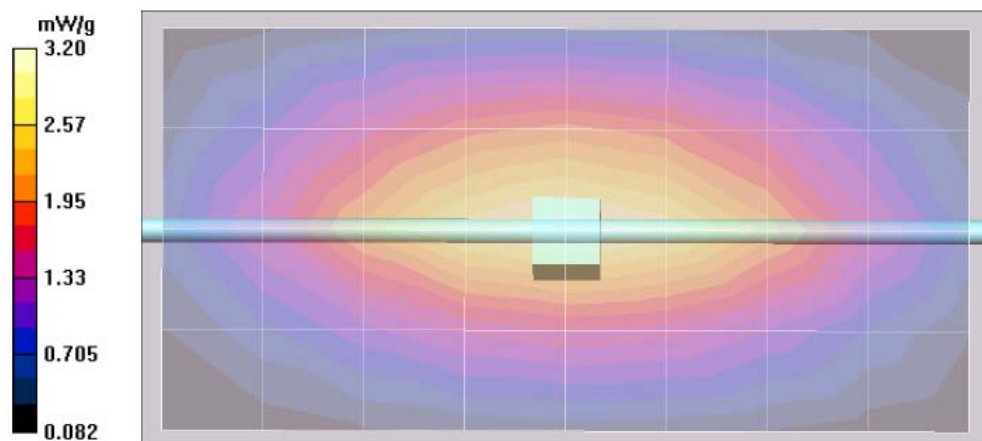
Peak SAR (extrapolated) = 4.47 W/kg

SAR(1 g) = 2.98 mW/g; SAR(10 g) = 1.92 mW/g

Maximum value of SAR (measured) = 3.24 mW/g

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

Maximum value of SAR (measured) = 3.20 mW/g

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

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 5/28/2010 5:55:05 AM

Robot# / Run#: DASY4-FL-2 / ErC-SYSP-900H-100528-01

Phantom# / Tissue Temp.: SAMTP1022 / 20.1 (C)

Dipole Model# / Serial#: D900V2 / 084

TX Freq. / Start power: 900 (MHz) / 250 (mW)

Target SAR (1W): 11.63 mW/g (1g)

Adjusted SAR (1W): 12.04 mW/g (1g)

Percent from Target (+/-): 3.5 % (1g)

Rotation (1D): 0.057 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: 3.01 mW/g (1g); 1.92 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.85, 5.85, 5.85)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³**System Performance Check/0-Degree Cube (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 58.5 V/m; Power Drift = -0.00453 dB

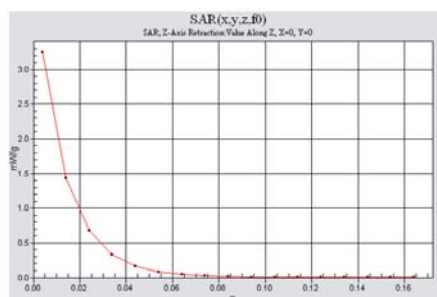
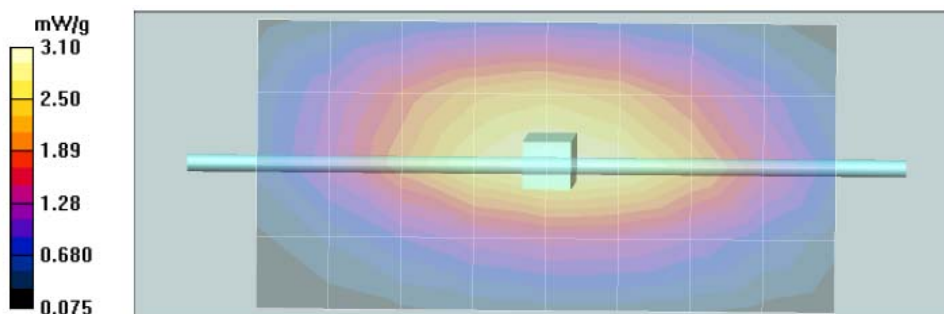
Peak SAR (extrapolated) = 4.60 W/kg

SAR(1 g) = 3.01 mW/g; SAR(10 g) = 1.92 mW/g

Maximum value of SAR (measured) = 3.25 mW/g

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

Maximum value of SAR (measured) = 3.10 mW/g

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

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 6/2/2010 3:15:38 PM

Robot# / Run#: DASY4-FL-2 / MeC-SYSP-900H-100602-01
Phantom# / Tissue Temp.: SAMTP1022 / 21.1 (C)
Dipole Model# / Serial#: D900V2 / 084
TX Freq. / Start power: 900 (MHz) / 250 (mW)

Target SAR (1W): 11.63 mW/g (1g)
Adjusted SAR (1W): 12.44 mW/g (1g)
Percent from Target (+/-): 7.0 % (1g)
Rotation (1D): 0.038 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: 3.11 mW/g (1g); 1.99 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.85, 5.85, 5.85)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 42.4$; $\rho = 1000$ kg/m³

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

Reference Value = 58.0 V/m; Power Drift = -0.00749 dB

Peak SAR (extrapolated) = 4.68 W/kg

SAR(1 g) = 3.07 mW/g; SAR(10 g) = 1.97 mW/g

Maximum value of SAR (measured) = 3.32 mW/g

System Performance Check/Dipole Area Scan 2 (41x81x1): Measurement grid: dx=15mm, dy=15mm

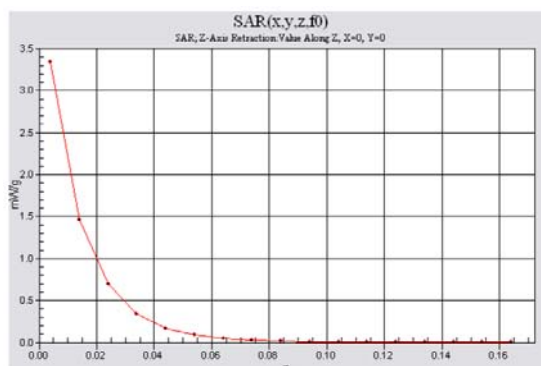
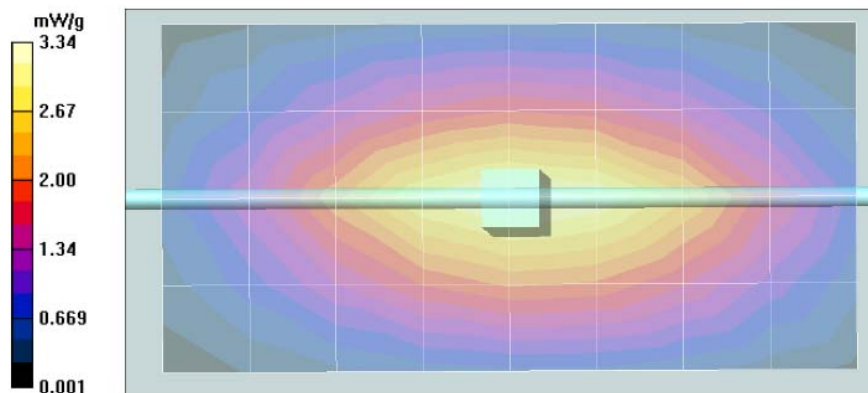
Reference Value = 58.0 V/m; Power Drift = -0.00749 dB

Motorola Fast SAR: SAR(1 g) = 3.09 mW/g; SAR(10 g) = 2.07 mW/g

Maximum value of SAR (interpolated) = 3.32 mW/g

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

Maximum value of SAR (measured) = 3.34 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 6/4/2010 6:31:23 AM

Robot# / Run#: DASY4-FL-2 / JsT-SYSP-900B-100604-01
 Phantom# / Tissue Temp.: OVAL1019 / 21.2 (C)
 Dipole Model# / Serial#: D900V2 / 084
 TX Freq. / Start power: 900 (MHz) / 250 (mW)

Target SAR (1W): 11.60 mW/g (1g)
 Adjusted SAR (1W): 12.00 mW/g (1g)
 Percent from Target (+/-): 3.4 % (1g)
 Rotation (1D): 0.04 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: 3.00 mW/g (1g); 1.93 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.81, 5.81, 5.81)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.07$ mho/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³

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

Reference Value = 55.7 V/m; Power Drift = 0.0153 dB

Peak SAR (extrapolated) = 4.49 W/kg

SAR(1 g) = 3 mW/g; SAR(10 g) = 1.93 mW/g

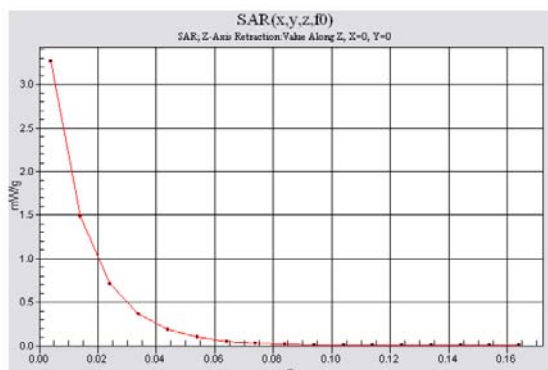
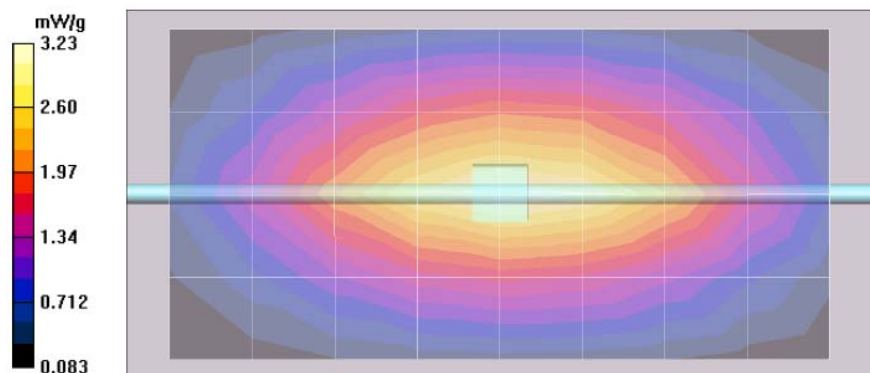
Maximum value of SAR (measured) = 3.26 mW/g

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

Maximum value of SAR (measured) = 3.23 mW/g

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

Maximum value of SAR (measured) = 3.27 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 6/8/2010 10:27:15 AM

Robot# / Run#: DASY4-FL-2 / JsT-SYSP-900B-100608-01
 Phantom# / Tissue Temp.: OVAL1019 / 21.1 (C)
 Dipole Model# / Serial#: D900V2 / 084
 TX Freq. / Start power: 900 (MHz) / 250 (mW)

Target SAR (1W): 11.60 mW/g (1g)
 Adjusted SAR (1W): 11.84 mW/g (1g)
 Percent from Target (+/-): 2.1 % (1g)
 Rotation (1D): 0.031 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: 2.96 mW/g (1g); 1.91 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.81, 5.81, 5.81)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.06$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

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

Reference Value = 55.6 V/m; Power Drift = 0.0131 dB

Peak SAR (extrapolated) = 4.44 W/kg

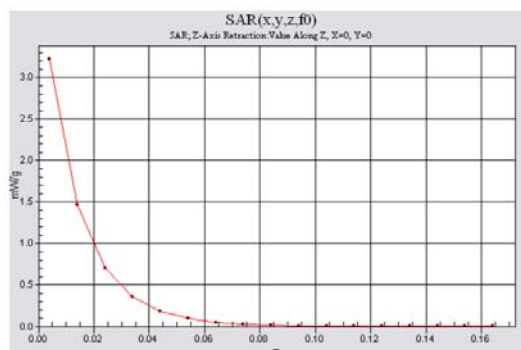
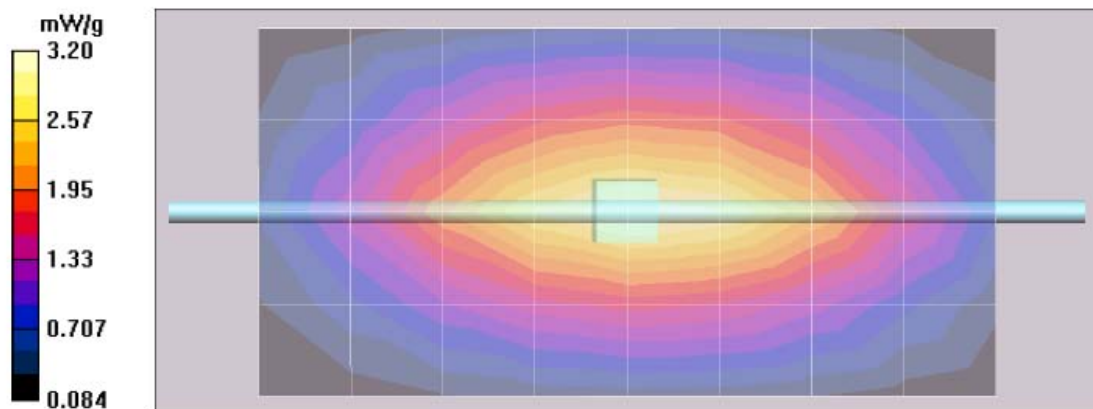
SAR(1 g) = 2.96 mW/g; SAR(10 g) = 1.91 mW/g

Maximum value of SAR (measured) = 3.22 mW/g

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

Maximum value of SAR (measured) = 3.20 mW/g

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



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 6/10/2010 6:48:03 AM

Robot# / Run#: DASY4-FL-2 / JsT-SYSP-2450B-100610-01

Phantom# / Tissue Temp.: DUAL1002-Side B / 20.8 (C)

Dipole Model# / Serial#: D2450V2 / 704

TX Freq. / Start power: 2450 (MHz) / 30 (mW)

Target SAR (1W): 55.27 mW/g (1g)

Adjusted SAR (1W): 55.00 mW/g (1g)

Percent from Target (+/-): 0.5 % (1g)

Rotation (1D): 0.038 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: 1.65 mW/g (1g); 0.770 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(4.18, 4.18, 4.18)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:1, Medium parameters used: $f = 2450$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 49.8$; $\rho = 1000$ kg/m³

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

Reference Value = 31.4 V/m; Power Drift = -0.0152 dB

Peak SAR (extrapolated) = 3.38 W/kg

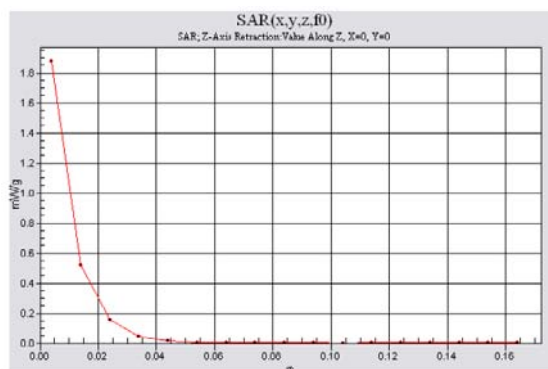
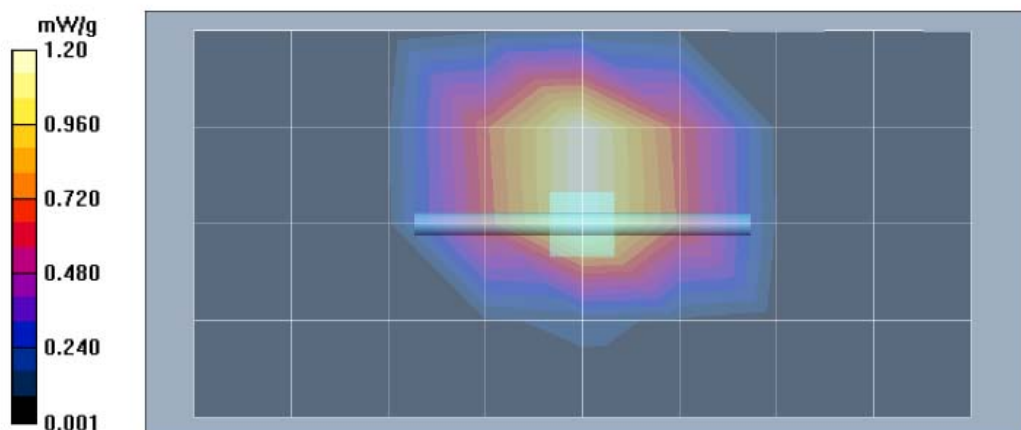
SAR(1 g) = 1.65 mW/g; SAR(10 g) = 0.770 mW/g

Maximum value of SAR (measured) = 1.88 mW/g

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

Maximum value of SAR (measured) = 1.20 mW/g

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



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 6/18/2010 11:25:08 AM

Robot# / Run#: DASY4-FL-2 / JsT-SYSP-900H-100618-01
 Phantom# / Tissue Temp.: SAMTP1022 / 19.5 (C)
 Dipole Model# / Serial#: D900V2 / 084
 TX Freq. / Start power: 900 (MHz) / 250 (mW)

Target SAR (1W): 11.63 mW/g (1g)
 Adjusted SAR (1W): 11.28 mW/g (1g)
 Percent from Target (+/-): 3.0 % (1g)
 Rotation (1D): 0.034 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: 2.82 mW/g (1g); 1.83 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.85, 5.85, 5.85)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1$ mho/m; $\epsilon_1 = 41.8$; $\rho = 1000$ kg/m³

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

Reference Value = 55.6 V/m; Power Drift = 0.00199 dB

Peak SAR (extrapolated) = 4.23 W/kg

SAR(1 g) = 2.81 mW/g; SAR(10 g) = 1.82 mW/g

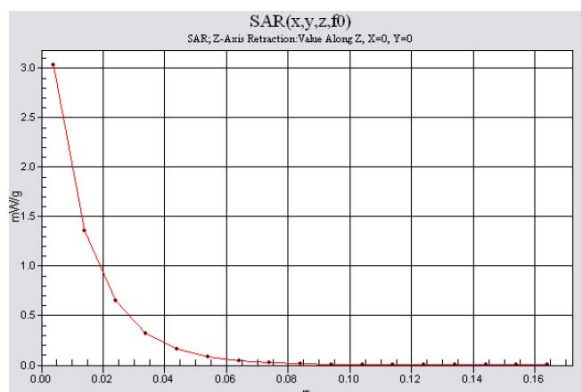
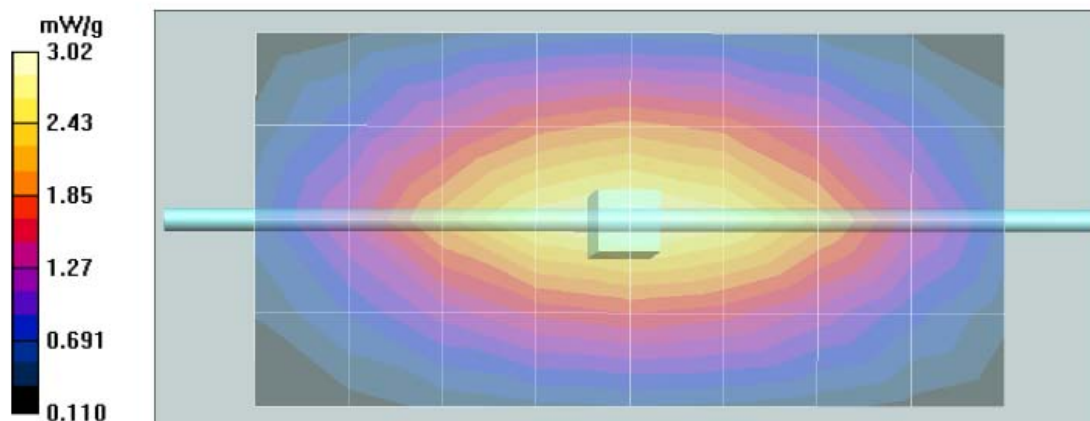
Maximum value of SAR (measured) = 3.04 mW/g

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

Maximum value of SAR (measured) = 3.02 mW/g

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

Maximum value of SAR (measured) = 3.03 mW/g



Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 6/21/2010 8:39:00 AM

Robot# / Run#: DASY4-FL-2 / JsT-SYSP-900B-100621-02

Phantom# / Tissue Temp.: OVAL1021 / 21.4 (C)

Dipole Model# / Serial#: D900V2 / 084

TX Freq. / Start power: 900 (MHz) / 250 (mW)

Target SAR (1W): 11.60 mW/g (1g)

Adjusted SAR (1W): 11.20 mW/g (1g)

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

Rotation (1D): 0.036 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: 2.80 mW/g (1g); 1.83 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.81, 5.81, 5.81)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.07$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

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

Reference Value = 53.5 V/m; Power Drift = 0.0335 dB

Peak SAR (extrapolated) = 4.10 W/kg

SAR(1 g) = 2.8 mW/g; SAR(10 g) = 1.83 mW/g

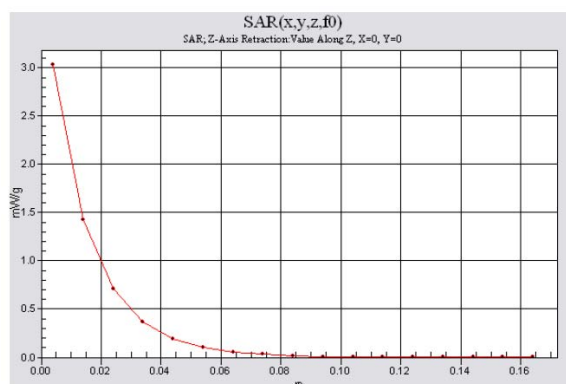
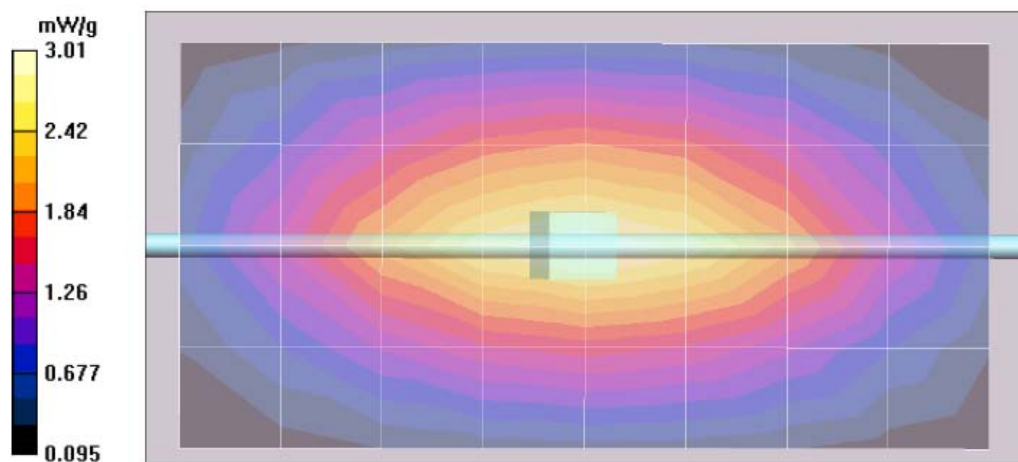
Maximum value of SAR (measured) = 3.02 mW/g

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

Maximum value of SAR (measured) = 3.01 mW/g

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

Maximum value of SAR (measured) = 3.03 mW/g



DIPOLE SAR TARGET - HEAD

Date: 04/16/10 Frequency (MHz): 900
 Lab Location: FL08-G&PS Mixture Type: IEEE Head
 DAE Serial #: 850 Ambient Temp.(°C): 22

Tissue Characteristics
 Permittivity: 40.3 Phantom Type/SN: SAMTP1022
 Conductivity: 0.97 Distance (mm): 15
 Tissue Temp.(°C): 21.7

Reference Source: Dipole Power to Dipole: 250 mW
 Reference SN: 84

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

10.9

Difference from Target

6.67% (1g-SAR)

New Target:

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

11.63**Passes K=2**

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

Probe SN #s	1g-SAR (Cube)	Diff from Ave	Robot
3147	11.64	0.1%	R3
1547	11.40	-1.9%	R3
3006	11.84	1.8%	R3
Average	11.6267	New Measured SAR Value	

(normalized to 1.0 W)

Test performed by:

Ed Church

Initial:

EC

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FCD-0733 Rev. 6

DIPOLE SAR TARGET - BODY

Date: 04/16/10 Frequency (MHz): 900
 Lab Location: FL08-G&PS Mixture Type: Body
 DAE Serial #: 850 Ambient Temp.(°C): 22

Tissue Characteristics

Permittivity: 53.1 Phantom Type/SN: OVAL1019
 Conductivity: 1.05 Distance (mm): 15
 Tissue Temp.(°C): 20.9

Reference Source: Dipole Power to Dipole: 250 mW
 Reference SN: 84

New Target:

Average Measured SAR Value: 11.60 mW/g(1g avg.),

Probe SN #s	1-G Cube	Diff from Ave	Robot
3006	11.64	0.3%	R3
1547	11.48	-1.0%	R3
3147	11.68	0.7%	R3
Average		New Measured SAR Value	

(normalized to 1.0 W)

Test performed by: Ed Church Initial: EC

DIPOLE SAR TARGET - HEAD

Date: 12/28/09 Frequency (MHz): 2450
 Lab Location: FL08-G&PS Mixture Type: IEEE Head
 DAE Serial #: 363 Ambient Temp.(°C): 21.8

Tissue Characteristics
 Permittivity: 36.6 Phantom Type/SN: DUAL1003 SIDE B
 Conductivity: 1.87 Distance (mm): 10
 Tissue Temp.(°C): 21.3

Reference Source: Dipole Power to Dipole: 50 mW
 Reference SN: 704

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

52.4

Difference from Target

9.16% (1g-SAR)

New Target:

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

57.20**Passes K=2**

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

Probe SN #s	1g-SAR (Cube)	Diff from Ave	Robot
3147	58.20	1.7%	R2
3163	56.80	-0.7%	R2
3185	56.60	-1.0%	R2
Average	57.2000	New Measured SAR Value	

(normalized to 1.0 W)

Test performed by:

C. Miller

Initial:



Motorola Internal Use Only

FCD-0733 Rev. 6

DIPOLE SAR TARGET - BODY

Date: 12/28/09 Frequency (MHz): 2450
 Lab Location: FL08-G&PS Mixture Type: Body
 DAE Serial #: 363 Ambient Temp.(°C): 21.9

Tissue Characteristics

Permittivity: 51.2 Phantom Type/SN: DUAL1003 SIDE A
 Conductivity: 2.02 Distance (mm): 10
 Tissue Temp.(°C): 20.9

Reference Source: Dipole Power to Dipole: 50 mW
 Reference SN: 704

New Target:

Average Measured SAR Value: 55.27 mW/g(1g avg.),

Probe SN #s	1-G Cube	Diff from Ave	Robot
3147	58.20	5.3%	R2
3163	54.80	-0.8%	R2
3185	52.80	-4.5%	R2
Average		New Measured SAR Value	

(normalized to 1.0 W)

Test performed by: C. Miller Initial: 

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FCD-0733 Rev.6

Appendix E

DUT Scans (Shortened Scan and Highest SAR configurations)

Shortened Scan Result

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 6/22/2010 12:27:47 AM

Robot# / Run#: DASY4-FL-2 / MeC-Ab-100621-22
 Phantom# / Tissue Temp.: OVAL1021 / 20.5 (C)
 DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
 Antenna / TX Freq.: 85009288001 (Internal) / 898.99375 (MHz)
 Battery: SNN5837A w/ NTN2584xxxA
 Carry Acc. / Cable Acc.: NNTN7972A / None
 Start Power: 0.648 (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: 1.15 mW/g (1g); 0.819 mW/g (10g)

Comments: Shorten Scan

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.81, 5.81, 5.81)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:1.5, Medium parameters used: $f = 899$ MHz; $\sigma = 1.07$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

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

Reference Value = 33.9 V/m; Power Drift = -0.182 dB

Motorola Fast SAR: SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.781 mW/g

Maximum value of SAR (interpolated) = 1.17 mW/g

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

Maximum value of SAR (measured) = 1.16 mW/g

Ab Scan/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 33.9 V/m; Power Drift = 0.00902 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.819 mW/g

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

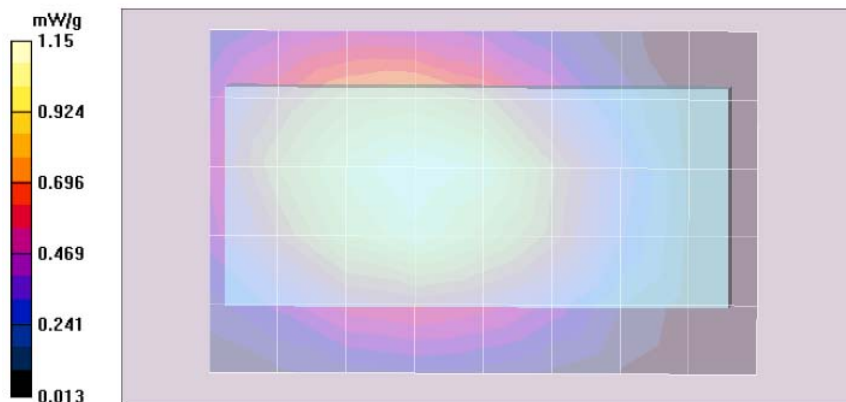
Shortened scan reflect highest SAR producing configuration; approximate run time 14 minutes.

Representative zoom scan approximate run time was 9 minutes

“Shortened” scan max calculated SAR using SAR drift: 1-g Avg. = 1.15 mW/g; 10-g Avg. = 0.82 mW/g

Zoom scan max calculated SAR using SAR drift: 1-g Avg. = 1.42 mW/g; 10-g Avg. = 1.01 mW/g

(see part 1 of 2 section 13.4 table 24 run # JsT-Ab-100621-11)



Highest Body SAR Configuration Result

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 6/21/2010 2:07:51 PM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100621-11
 Phantom# / Tissue Temp.: OVAL1021 / 20.5 (C)
 DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
 Antenna / TX Freq.: 85009288001 (Internal) / 898.99375 (MHz)
 Battery: SNN5837A w/NTN2584xxxA
 Carry Acc. / Cable Acc.: NNTN7972A / None
 Start Power: 0.654 (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: 1.28 mW/g (1g); 0.911 mW/g (10g)

Comments: Full Scan

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.81, 5.81, 5.81)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:1.5, Medium parameters used: $f = 899$ MHz; $\sigma = 1.07$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

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

Reference Value = 36.9 V/m; Power Drift = -0.450 dB

Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.911 mW/g

Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.

Maximum value of SAR (measured) = 1.40 mW/g

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

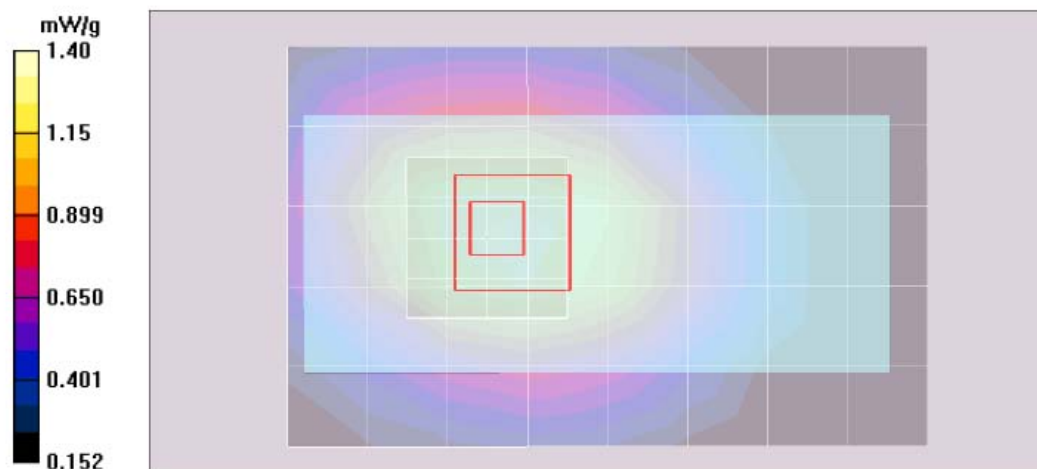
Reference Value = 36.9 V/m; Power Drift = -0.263 dB

Motorola Fast SAR: SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.911 mW/g

Maximum value of SAR (interpolated) = 1.39 mW/g

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

Maximum value of SAR (measured) = 1.27 mW/g



Highest Face SAR Configuration Result

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 5/28/2010 9:52:42 PM

Robot# / Run#: DASY4-FL-2 / CM-Face-100528-25
 Phantom# / Tissue Temp.: SAMTP1022 / 20.1 (C)
 DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNW88
 Antenna / TX Freq.: 85009288001 (Internal) / 902.525 (MHz)
 Battery: SNN5837A w/ NTN2584xxxA
 Carry Acc. / Cable Acc.: None / None
 Start Power: 0.793 (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: 1.51 mW/g (1g); 1.08 mW/g (10g)

Comments: Full Scan; DUT Front @ 2.5 cm (Slide Opened)

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.85, 5.85, 5.85)
 Electronics: DAE4 Sn729, Calibrated: 3/10/2010
 Duty Cycle: 1:1.05, Medium parameters used: $f = 915$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

Face Scan/Area Scan (51x11x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 40.2 V/m; Power Drift = -0.00914 dB

Motorola Fast SAR: SAR(1 g) = 1.5 mW/g; SAR(10 g) = 1.06 mW/g

Maximum value of SAR (interpolated) = 1.59 mW/g

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

Maximum value of SAR (measured) = 1.61 mW/g

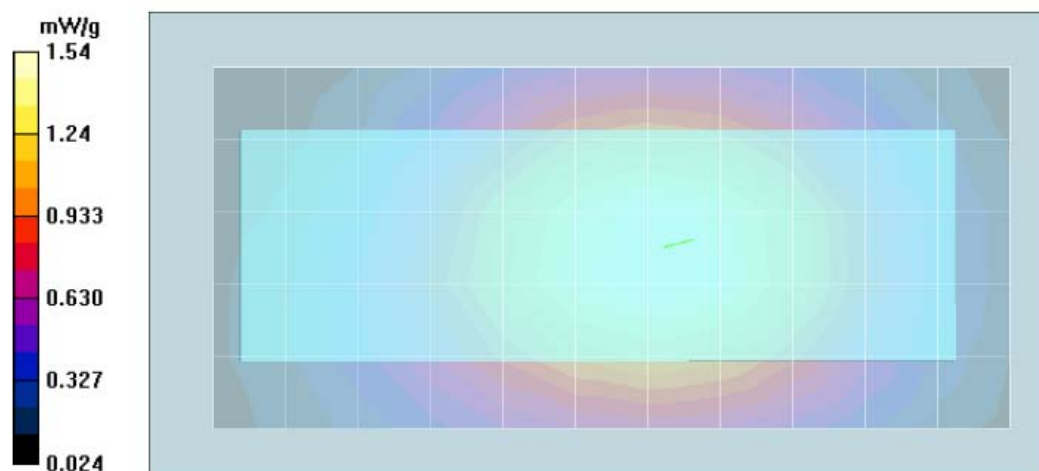
Face Scan/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 40.2 V/m; Power Drift = 0.0376 dB

Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 1.5 mW/g; SAR(10 g) = 1.08 mW/g

Maximum value of SAR (measured) = 1.59 mW/g



Highest Head SAR Configuration Result **Motorola Enterprise Mobility Solutions EME Laboratory** Date/Time: 6/2/2010 7:42:33 PM

Robot# / Run#: DASY4-FL-2 / MeC-Rear-100602-09
Phantom# / Tissue Temp.: SAMTP1022 / 21.0 (C)
DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
Antenna / TX Freq.: 85009288001 (Internal) / 896.01875 (MHz)
Battery: SNN5837A w/ NTN2584xxxxA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.640 (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: 0.992 mW/g (1g); 0.655 mW/g (10g)

Comments: Full Scan; Touch (Slide Closed)

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.85, 5.85, 5.85)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:3, Medium parameters used: $f = 899$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 42.4$; $\rho = 1000$ kg/m³

Right Ear-Touch Position/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 23.6 V/m; Power Drift = -0.0786 dB

Motorola Fast SAR: SAR(1 g) = 0.978 mW/g; SAR(10 g) = 0.663 mW/g

Maximum value of SAR (interpolated) = 1.05 mW/g

Right Ear-Touch Position/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

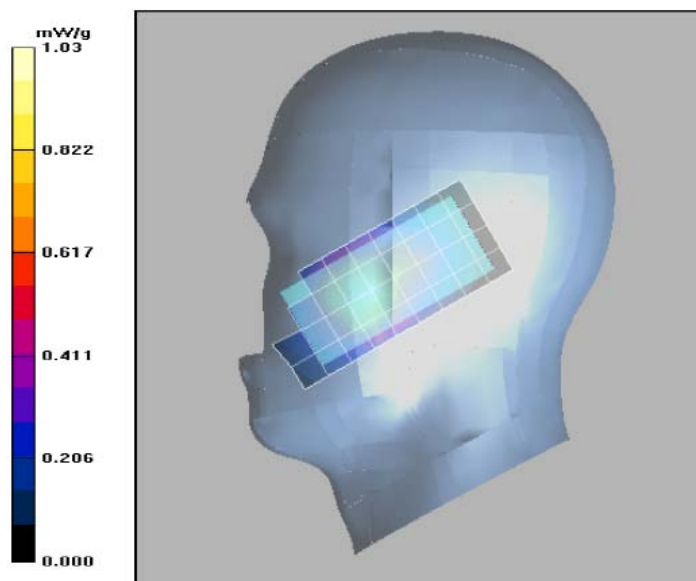
Maximum value of SAR (measured) = 1.06 mW/g

Right Ear-Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 23.6 V/m; Power Drift = -0.206 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.980 mW/g; SAR(10 g) = 0.649 mW/g



Appendix F

DUT Scans

Section 1.0

806-825MHz Band assessment of the offered data/audio cables (Section 13.2 Table 13)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 6/21/2010 9:22:00 AM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100621-03
Phantom# / Tissue Temp.: OVAL1021 / 21.3 (C)
DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
Antenna / TX Freq.: 85009288001 (Internal) / 815.5125 (MHz)
Battery: SNN5837A w/ NTN2584xxxA
Carry Acc. / Cable Acc.: NNTN7972A / None
Start Power: 0.656 (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: 0.852 mW/g (1g); 0.636 mW/g (10g)

Comments: Full Scan

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.81, 5.81, 5.81)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:1.5, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

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

Reference Value = 31.4 V/m; Power Drift = -0.273 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.852 mW/g; SAR(10 g) = 0.636 mW/g

Maximum value of SAR (measured) = 0.893 mW/g

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

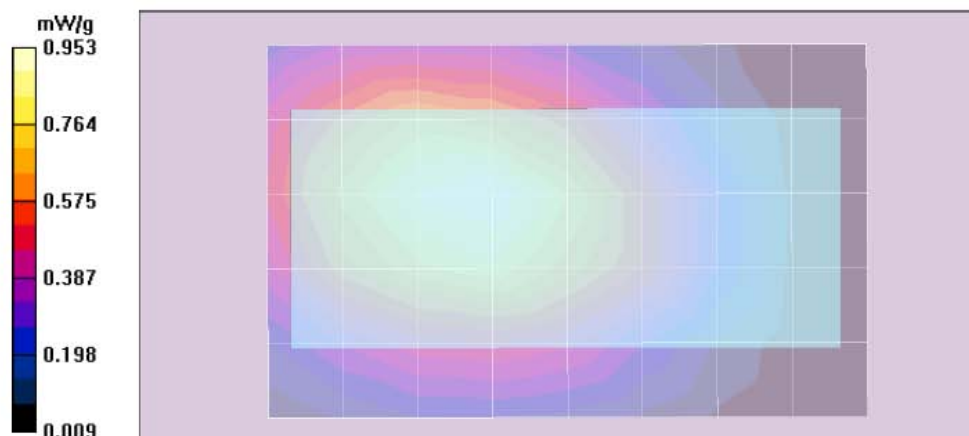
Reference Value = 31.4 V/m; Power Drift = -0.00779 dB

Motorola Fast SAR: SAR(1 g) = 0.906 mW/g; SAR(10 g) = 0.635 mW/g

Maximum value of SAR (interpolated) = 0.967 mW/g

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

Maximum value of SAR (measured) = 0.923 mW/g



Section 2.0

806-825MHz Band assessment of frequency band edges (Section 13.2 Table 14)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 6/21/2010 10:48:28 AM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100621-06
Phantom# / Tissue Temp.: OVAL1021 / 20.9 (C)
DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
Antenna / TX Freq.: 85009288001 (Internal) / 824.9875 (MHz)
Battery: SNN5837A w/ NTN2584xxxA
Carry Acc. / Cable Acc.: NNTN7972A / None
Start Power: 0.660 (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.

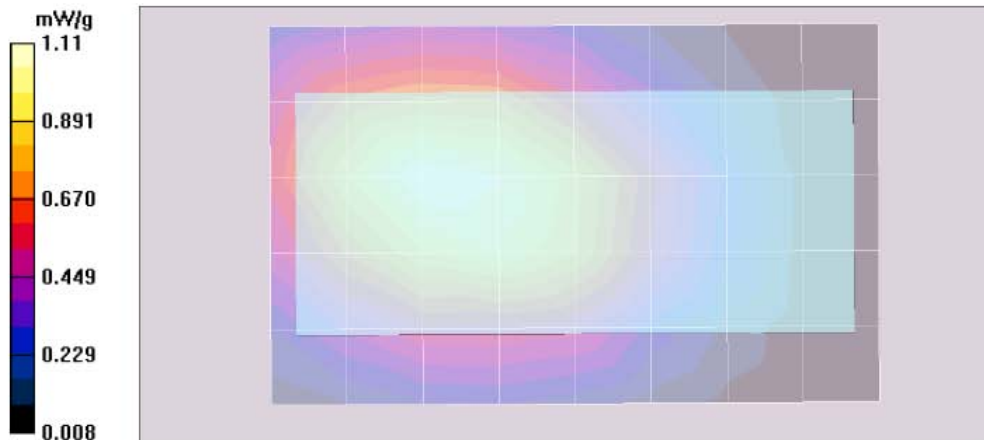
Reported: 1.01 mW/g (1g); 0.735 mW/g (10g)

Comments: Full Scan
Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.81, 5.81, 5.81)
Electronics: DAE4 Sn729, Calibrated: 3/10/2010
Duty Cycle: 1:1.5, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Ab Scan/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 33.3 V/m; Power Drift = -0.202 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.735 mW/g

Ab Scan/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 33.3 V/m; Power Drift = -0.00783 dB
Motorola Fast SAR: SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.738 mW/g
Maximum value of SAR (interpolated) = 1.13 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 3.0 806-825MHz Band assessment at 2.5cm (Section 13.2 Table 15)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 6/21/2010 11:25:27 AM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100621-07
Phantom# / Tissue Temp.: OVAL1021 / 20.8 (C)
DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
Antenna / TX Freq.: 85009288001 (Internal) / 824.9875 (MHz)
Battery: SNN5837A w/ NTN2584xxxA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.661 (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: 0.677 mW/g (1g); 0.487 mW/g (10g)

Comments: Full Scan; Back of DUT @ 2.5 cm. (Slide Closed)

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.81, 5.81, 5.81)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:1.5, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

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

Reference Value = 27.3 V/m; Power Drift = -0.348 dB

Peak SAR (extrapolated) = 0.927 W/kg

SAR(1 g) = 0.677 mW/g; SAR(10 g) = 0.487 mW/g

Maximum value of SAR (measured) = 0.729 mW/g

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

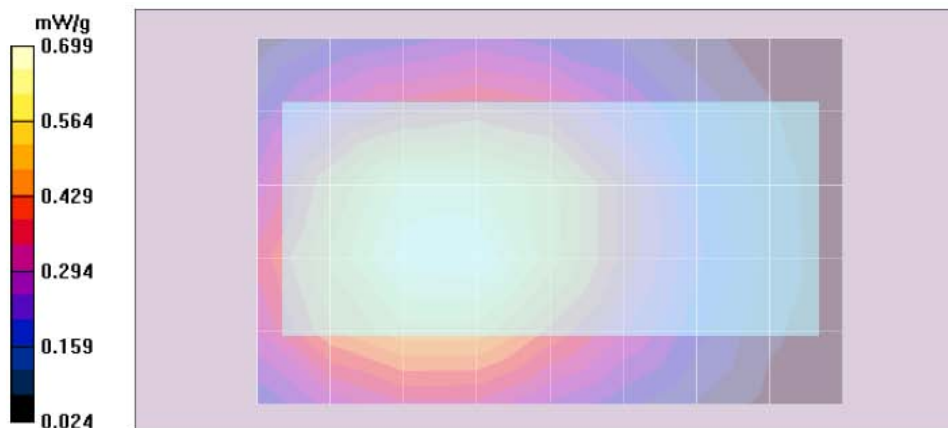
Reference Value = 27.3 V/m; Power Drift = -0.228 dB

Motorola Fast SAR: SAR(1 g) = 0.676 mW/g; SAR(10 g) = 0.479 mW/g

Maximum value of SAR (interpolated) = 0.714 mW/g

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

Maximum value of SAR (measured) = 0.678 mW/g



Section 4.0

806-825MHz Band assessment of left ear touch position (Section 13.2 Table 16)

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 5/28/2010 8:24:30 AM

Robot# / Run#: DASY4-FL-2 / JsT-Lear-100528-03
 Phantom# / Tissue Temp.: SAMTP1022 / 20.1 (C)
 DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
 Antenna / TX Freq.: 85009288001 (Internal) / 815.5125 (MHz)
 Battery: SNN5837A w/ NTN2584xxxxA
 Carry Acc. / Cable Acc.: None / None
 Start Power: 0.649 (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: 0.572 mW/g (1g); 0.375 mW/g (10g)

Comments: Full Scan; Touch (Slide Closed)

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.85, 5.85, 5.85)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:3, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.87$ mho/m; $\epsilon_r = 41.2$; $\rho = 1000$ kg/m³

Left Ear-Touch position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 25.0 V/m; Power Drift = -0.215 dB

Peak SAR (extrapolated) = 0.848 W/kg

SAR(1 g) = 0.562 mW/g; SAR(10 g) = 0.371 mW/g

Maximum value of SAR (measured) = 0.610 mW/g

Left Ear-Touch position/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

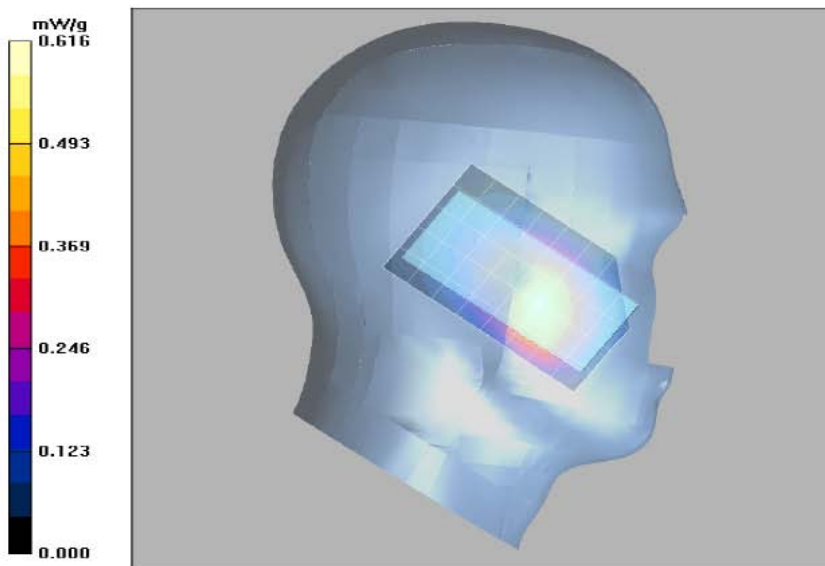
Reference Value = 25.0 V/m; Power Drift = -0.102 dB

Motorola Fast SAR: SAR(1 g) = 0.566 mW/g; SAR(10 g) = 0.380 mW/g

Maximum value of SAR (interpolated) = 0.617 mW/g

Left Ear-Touch position/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.591 mW/g



Section 5.0

806-825MHz Band assessment of left ear tilt position (Section 13.2 Table 17)

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 5/28/2010 9:01:25 AM

Robot# / Run#: DASY4-FL-2 / JsT-Lear-100528-04
 Phantom# / Tissue Temp.: SAMTP1022 / 20.2 (C)
 DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
 Antenna / TX Freq.: 85009288001 (Internal) / 815.5125 (MHz)
 Battery: SNN5837A w/NTN2584xxxA
 Carry Acc. / Cable Acc.: None / None
 Start Power: 0.651 (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: 0.403 mW/g (1g); 0.290 mW/g (10g)
 Comments: Full Scan; Tilt (Slide Closed)
 Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.85, 5.85, 5.85)
 Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:3, Medium parameters used: $f = 815.5 \text{ MHz}$; $\sigma = 0.87 \text{ mho/m}$; $\epsilon_r = 41.2$; $\rho = 1000 \text{ kg/m}^3$

Left Ear-15D Tilt position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 22.2 V/m; Power Drift = -0.198 dB

Peak SAR (extrapolated) = 0.510 W/kg

SAR(1 g) = 0.396 mW/g; SAR(10 g) = 0.287 mW/g

Maximum value of SAR (measured) = 0.417 mW/g

Left Ear-15D Tilt position/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

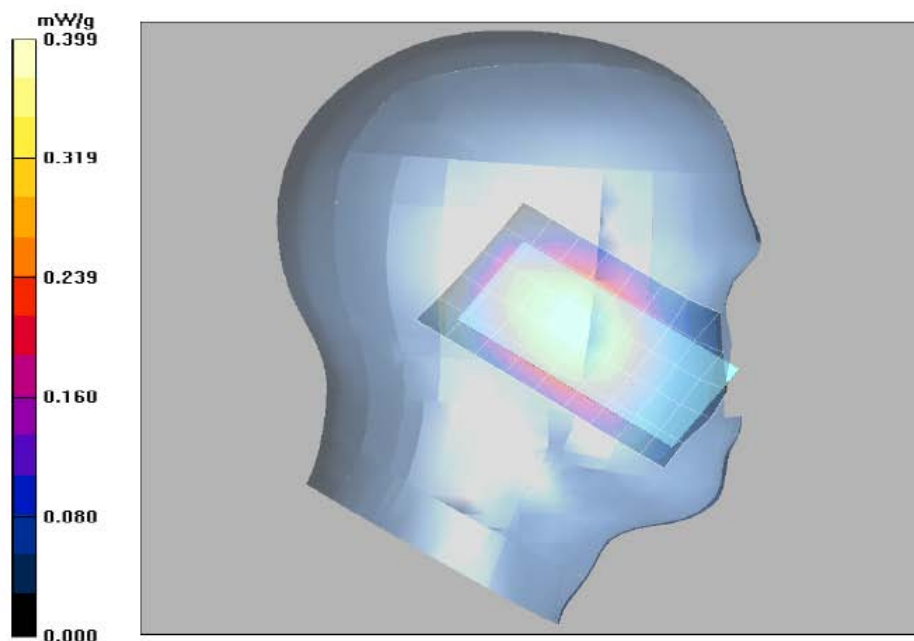
Reference Value = 22.2 V/m; Power Drift = 0.00615 dB

Motorola Fast SAR: SAR(1 g) = 0.400 mW/g; SAR(10 g) = 0.280 mW/g

Maximum value of SAR (interpolated) = 0.417 mW/g

Left Ear-15D Tilt position/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.398 mW/g



Section 6.0

806-825MHz Band assessment of frequency band edges (Section 13.2 Table 18)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 5/28/2010 10:10:30 AM

Robot# / Run#: DASY4-FL-2 / JsT-Lear-100528-06
Phantom# / Tissue Temp.: SAMTP1022 / 20.1 (C)
DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
Antenna / TX Freq.: 85009288001 (Internal) / 824.9875 (MHz)
Battery: SNN5837A w/ NTN2584xxxA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.653 (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: 0.676 mW/g (1g); 0.441 mW/g (10g)

Comments: Full Scan; Touch (Slide Closed)

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.85, 5.85, 5.85)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:3, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.87$ mho/m; $\epsilon_t = 41.2$; $\rho = 1000$ kg/m³

Left Ear-Touch position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 27.3 V/m; Power Drift = -0.238 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.664 mW/g; SAR(10 g) = 0.436 mW/g

Left Ear-Touch position/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

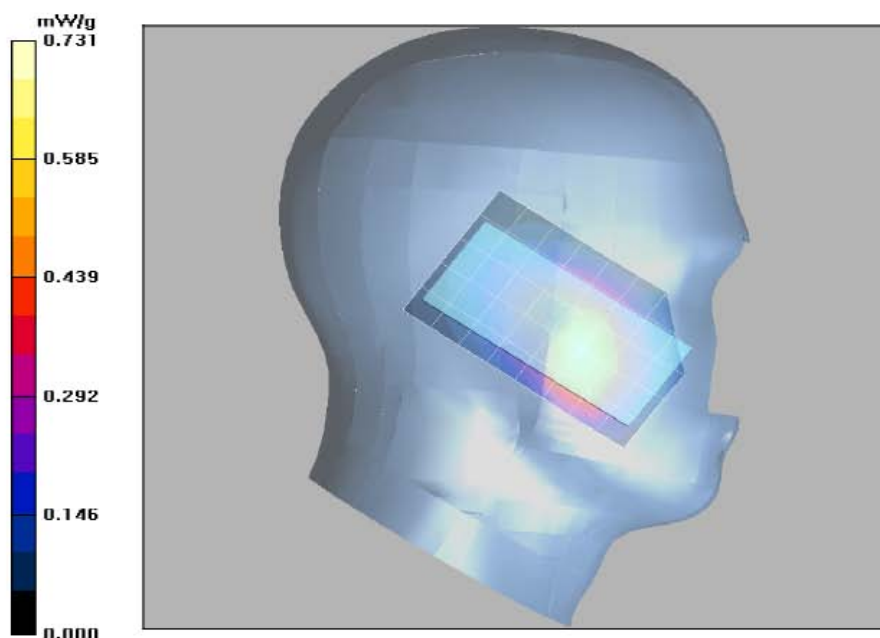
Reference Value = 27.3 V/m; Power Drift = -0.111 dB

Motorola Fast SAR: SAR(1 g) = 0.671 mW/g; SAR(10 g) = 0.449 mW/g

Maximum value of SAR (interpolated) = 0.732 mW/g

Left Ear-Touch position/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.705 mW/g



Section 7.0

806-825MHz Band assessment of the right ear touch position (Section 13.2 Table 19)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 5/28/2010 11:26:32 PM

Robot# / Run#: DASY4-FL-2 / CM-Rear-100528-27
Phantom# / Tissue Temp.: SAMTP1022 / 20.1 (C)
DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
Antenna / TX Freq.: 85009288001 (Internal) / 815.5125 (MHz)
Battery: SNN5837A w/ NTN2584xxxA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.651 (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: 0.439 mW/g (1g); 0.302 mW/g (10g)

Comments: Full Scan; Touch (Slide Closed)

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.85, 5.85, 5.85)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:3, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.87$ mho/m; $\epsilon_1 = 41.2$; $\rho = 1000$ kg/m³

Right Ear-Touch Position/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 17.4 V/m; Power Drift = -0.211 dB

Motorola Fast SAR: SAR(1 g) = 0.430 mW/g; SAR(10 g) = 0.299 mW/g

Maximum value of SAR (interpolated) = 0.459 mW/g

Right Ear-Touch Position/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.461 mW/g

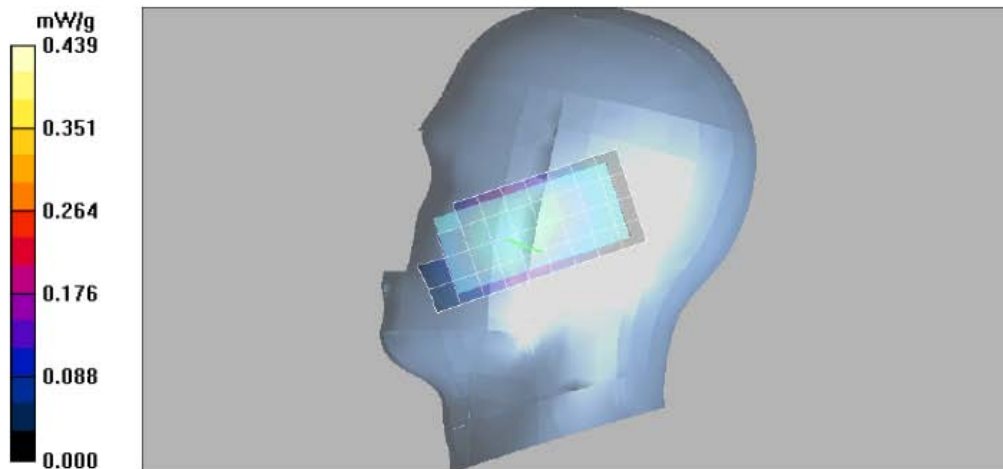
Right Ear-Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 17.4 V/m; Power Drift = -0.477 dB

Peak SAR (extrapolated) = 0.564 W/kg

SAR(1 g) = 0.431 mW/g; SAR(10 g) = 0.299 mW/g

Maximum value of SAR (measured) = 0.460 mW/g



Section 8.0

806-825MHz Band assessment of the right ear tilt position (Section 13.2 Table 20)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 6/2/2010 4:05:50 PM

Robot# / Run#: DASY4-FL-2 / MeC-Rear-100602-02
Phantom# / Tissue Temp.: SAMTP1022 / 20.8 (C)
DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
Antenna / TX Freq.: 85009288001 (Internal) / 815.5125 (MHz)
Battery: SNN5837A w/ NTN2584xxxA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.653 (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: 0.376 mW/g (1g); 0.275 mW/g (10g)

Comments: Full Scan; Tilt (Slide Closed)

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.85, 5.85, 5.85)
Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:3, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 43.2$; $\rho = 1000$ kg/m³

Right Ear-15D Tilt Position/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 20.1 V/m; Power Drift = -0.180 dB

Motorola Fast SAR: SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.270 mW/g

Maximum value of SAR (interpolated) = 0.412 mW/g

Right Ear-15D Tilt Position/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.382 mW/g

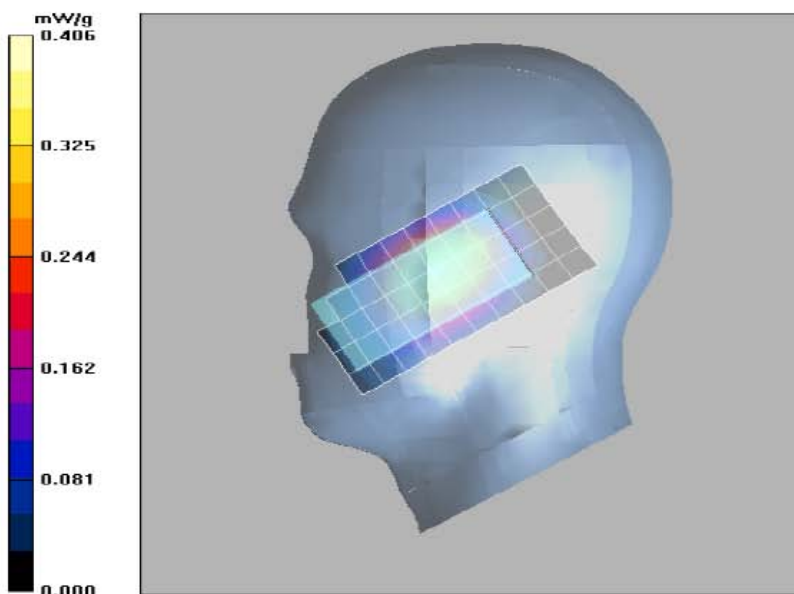
Right Ear-15D Tilt Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 20.1 V/m; Power Drift = -0.281 dB

Peak SAR (extrapolated) = 0.475 W/kg

SAR(1 g) = 0.368 mW/g; SAR(10 g) = 0.270 mW/g

Maximum value of SAR (measured) = 0.383 mW/g



Section 9.0

806-825MHz Band assessment of frequency band edges (Section 13.2 Table 21)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 6/2/2010 5:17:49 PM

Robot# / Run#: DASY4-FL-2 / MeC-Rear-100602-04
Phantom# / Tissue Temp.: SAMTP1022 / 20.9 (C)
DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
Antenna / TX Freq.: 85009288001 (Internal) / 824.9875 (MHz)
Battery: SNN5837A w/ NTN2584xxxA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.655 (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: 0.655 mW/g (1g); 0.446 mW/g (10g)

Comments: Full Scan; Touch (Slide Closed)
Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.85, 5.85, 5.85)
Electronics: DAE4 Sn729, Calibrated: 3/10/2010
Duty Cycle: 1:3, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 43.2$; $\rho = 1000$ kg/m³

Right Ear-Touch Position/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 20.6 V/m; Power Drift = -0.0105 dB

Motorola Fast SAR: SAR(1 g) = 0.611 mW/g; SAR(10 g) = 0.425 mW/g

Maximum value of SAR (interpolated) = 0.652 mW/g

Right Ear-Touch Position/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

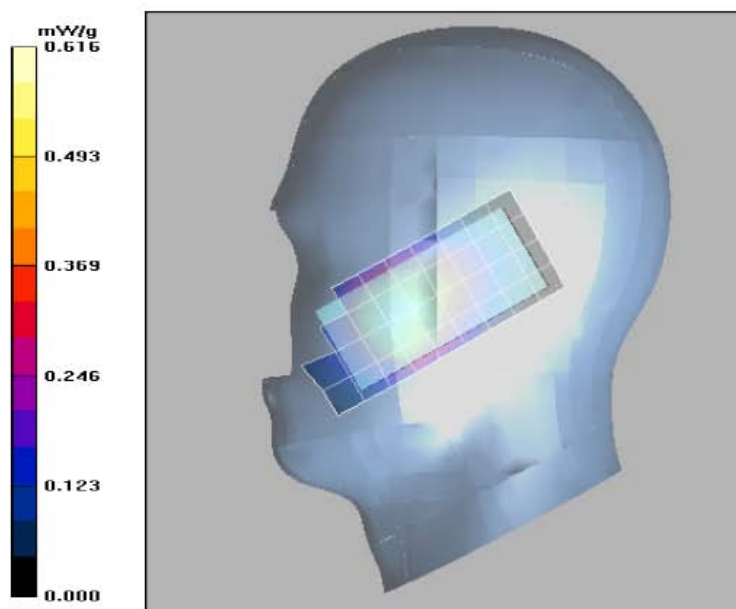
Maximum value of SAR (measured) = 0.679 mW/g

Right Ear-Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 20.6 V/m; Power Drift = -0.142 dB

Peak SAR (extrapolated) = 0.898 W/kg

SAR(1 g) = 0.641 mW/g; SAR(10 g) = 0.438 mW/g



Section 10.0

806-825MHz Band assessment of the slide opened and closed (Section 13.2 Table 22)

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 5/28/2010 7:45:49 PM

Robot# / Run#: DASY4-FL-2 / CM-Face-100528-21
 Phantom# / Tissue Temp.: SAMTP1022 / 20.0 (C)
 DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
 Antenna / TX Freq.: 85009288001 (Internal) / 815.5125 (MHz)
 Battery: SNN5837A w/NTN2584xxxA
 Carry Acc. / Cable Acc.: None / None
 Start Power: 0.652 (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: 0.116 mW/g (1g); 0.0845 mW/g (10g)

Comments: Full Scan; DUT Front @ 2.5 cm (Slide Opened)

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.85, 5.85, 5.85)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:6, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.87$ mho/m; $\epsilon_t = 41.2$; $\rho = 1000$ kg/m³

Face Scan/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 12.1 V/m; Power Drift = -0.0156 dB

Motorola Fast SAR: SAR(1 g) = 0.116 mW/g; SAR(10 g) = 0.083 mW/g

Maximum value of SAR (interpolated) = 0.122 mW/g

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

Maximum value of SAR (measured) = 0.116 mW/g

Face Scan/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

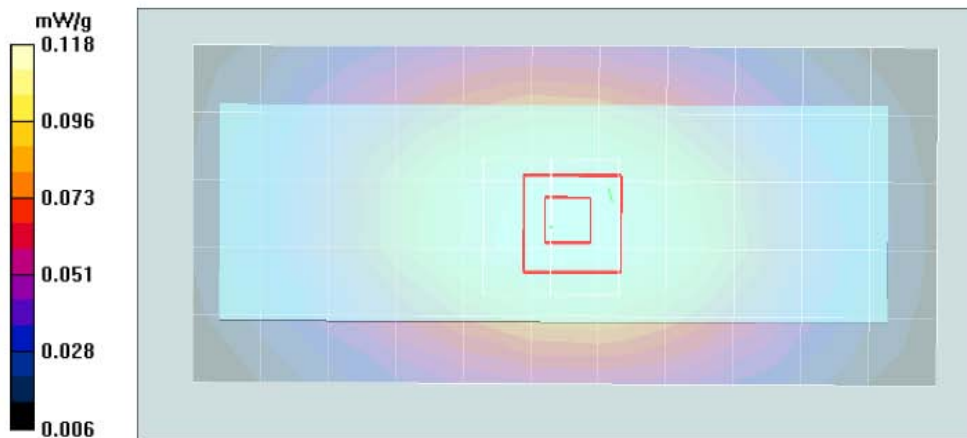
Reference Value = 12.1 V/m; Power Drift = -0.175 dB

Peak SAR (extrapolated) = 0.153 W/kg

SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.0836 mW/g

Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.

Maximum value of SAR (measured) = 0.119 mW/g



Section 11.0

806-825MHz Band assessment of frequency band edges (Section 13.2 Table 23)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 5/28/2010 9:22:16 PM

Robot# / Run#: DASY4-FL-2 / CM-Face-100528-24
Phantom# / Tissue Temp.: SAMTP1022 / 20.1 (C)
DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
Antenna / TX Freq.: 85009288001 (Internal) / 824.9875 (MHz)
Battery: SNN5837A w/ NTN2584xxxA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.653 (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: 0.138 mW/g (1g); 0.101 mW/g (10g)

Comments: Full Scan; DUT Front @ 2.5 cm (Slide Opened)

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.85, 5.85, 5.85)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:6, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.87$ mho/m; $\epsilon_r = 41.2$; $\rho = 1000$ kg/m³

Face Scan/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 13.3 V/m; Power Drift = -0.216 dB

Motorola Fast SAR: SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.0993 mW/g

Maximum value of SAR (interpolated) = 0.148 mW/g

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

Maximum value of SAR (measured) = 0.133 mW/g

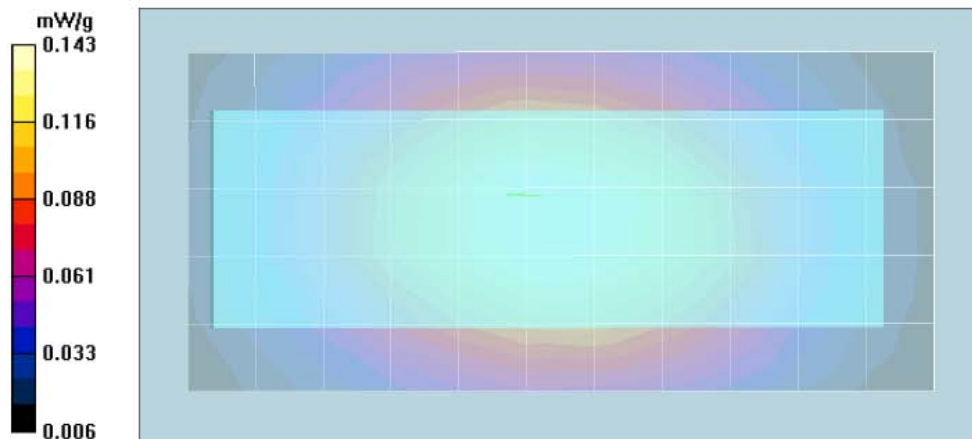
Face Scan/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.3 V/m; Power Drift = -0.312 dB

Peak SAR (extrapolated) = 0.183 W/kg

SAR(1 g) = 0.135 mW/g; SAR(10 g) = 0.100 mW/g

Maximum value of SAR (measured) = 0.145 mW/g



Section 12.0
896-902MHz Band assessment of the offered data/audio cables
(Section 13.4 Table 24)

Refer to Appendix E pg 30
“Highest Body SAR Configuration Result”

Section 13.0

896-902MHz Band assessment of frequency band edges (Section 13.4 Table 25)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 6/18/2010 3:20:35 PM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100618-04
Phantom# / Tissue Temp.: OVAL1021 / 21.8 (C)
DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
Antenna / TX Freq.: 85009288001 (Internal) / 896.01875 (MHz)
Battery: SNN5837A w/ NTN2584xxxA
Carry Acc. / Cable Acc.: NNTN7972A / None
Start Power: 0.658 (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: 1.13 mW/g (1g); 0.817 mW/g (10g)

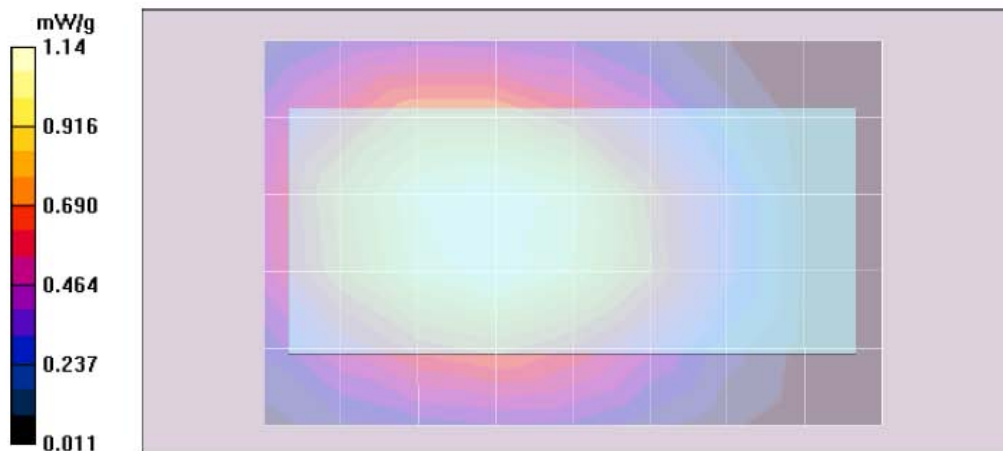
Comments: Full Scan

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.81, 5.81, 5.81)
Electronics: DAE4 Sn729, Calibrated: 3/10/2010
Duty Cycle: 1:1.5, Medium parameters used: $f = 899$ MHz; $\sigma = 1.06$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Ab Scan/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 35.2 V/m; Power Drift = -0.400 dB
Peak SAR (extrapolated) = 1.60 W/kg
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.817 mW/g
Maximum value of SAR (measured) = 1.19 mW/g

Ab Scan/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 35.2 V/m; Power Drift = -0.191 dB
Motorola Fast SAR: SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.796 mW/g
Maximum value of SAR (interpolated) = 1.20 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.08 mW/g



Section 14.0
896-902MHz Band assessment of at 2.5cm
(Section 13.4 Table 26)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 6/21/2010 8:43:29 PM

Robot# / Run#: DASY4-FL-2 / MeC-Ab-100621-17
Phantom# / Tissue Temp.: OVAL1021 / 20.5 (C)
DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
Antenna / TX Freq.: 85009288001 (Internal) / 898.99375 (MHz)
Battery: SNN5837A w/ NTN2584xxxA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.657 (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: 0.793 mW/g (1g); 0.573 mW/g (10g)

Comments: Full Scan; Front of DUT @ 2.5 cm (Slide Opened)

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.81, 5.81, 5.81)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:1.5, Medium parameters used: $f = 899$ MHz; $\sigma = 1.07$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Ab Scan/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 29.5 V/m; Power Drift = -0.195 dB

Motorola Fast SAR: SAR(1 g) = 0.853 mW/g; SAR(10 g) = 0.599 mW/g

Maximum value of SAR (interpolated) = 0.913 mW/g

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

Maximum value of SAR (measured) = 0.786 mW/g

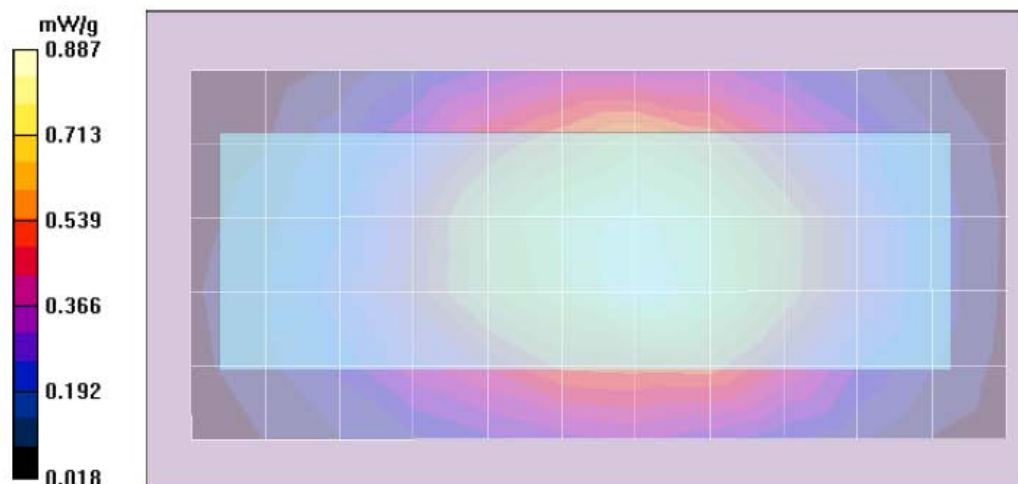
Ab Scan/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 29.5 V/m; Power Drift = -0.618 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.793 mW/g; SAR(10 g) = 0.573 mW/g

Maximum value of SAR (measured) = 0.862 mW/g



Section 15.0

896-902MHz Band assessment of the left ear touch position (Section 13.4 Table 27)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 5/28/2010 11:58:18 AM

Robot# / Run#: DASY4-FL-2 / JsT-Lear-100528-08
Phantom# / Tissue Temp.: SAMTP1022 / 20.0 (C)
DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
Antenna / TX Freq.: 85009288001 (Internal) / 898.99375 (MHz)
Battery: SNN5837A w/NTN2584xxxA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.651 (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: 0.814 mW/g (1g); 0.536 mW/g (10g)

Comments: Full Scan; Touch (Slide Closed)

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.85, 5.85, 5.85)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:3, Medium parameters used: $f = 899$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Left Ear-Touch position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 29.9 V/m; Power Drift = -0.407 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.814 mW/g; SAR(10 g) = 0.536 mW/g

Maximum value of SAR (measured) = 0.873 mW/g

Left Ear-Touch position/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

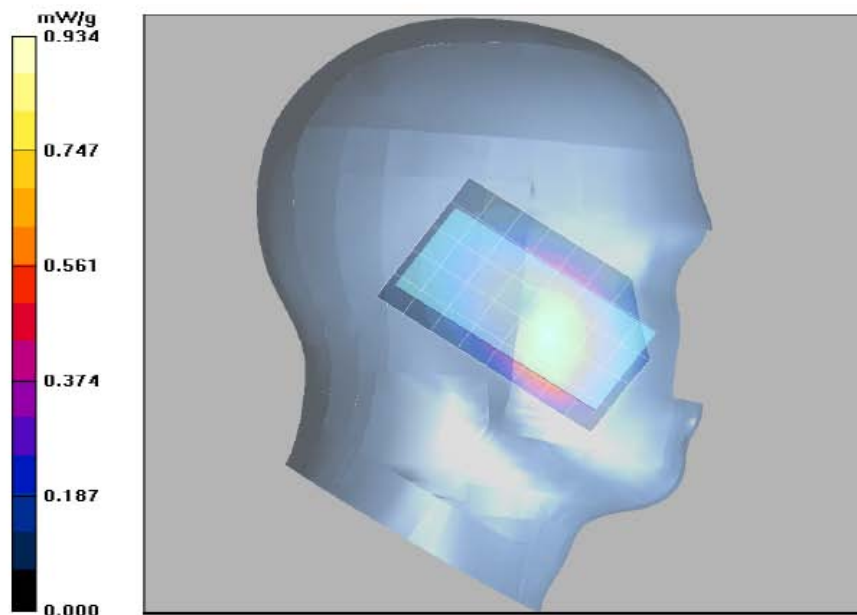
Reference Value = 29.9 V/m; Power Drift = -0.258 dB

Motorola Fast SAR: SAR(1 g) = 0.859 mW/g; SAR(10 g) = 0.574 mW/g

Maximum value of SAR (interpolated) = 0.937 mW/g

Left Ear-Touch position/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.882 mW/g



Section 16.0

896-902MHz Band assessment of the left ear tilt position (Section 13.4 Table 28)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 5/28/2010 12:28:18 PM

Robot# / Run#: DASY4-FL-2 / JsT-Lear-100528-09
Phantom# / Tissue Temp.: SAMTP1022 / 19.9 (C)
DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
Antenna / TX Freq.: 85009288001 (Internal) / 898.99375 (MHz)
Battery: SNN5837A w/ NTN2584xxxA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.653 (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: 0.639 mW/g (1g); 0.462 mW/g (10g)

Comments: Full Scan; Tilt (Slide Closed)
Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.85, 5.85, 5.85)
Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:3, Medium parameters used: $f = 899$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Left Ear-15D Tilt position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 27.6 V/m; Power Drift = -0.269 dB

Peak SAR (extrapolated) = 0.834 W/kg

SAR(1 g) = 0.639 mW/g; SAR(10 g) = 0.462 mW/g

Maximum value of SAR (measured) = 0.678 mW/g

Left Ear-15D Tilt position/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

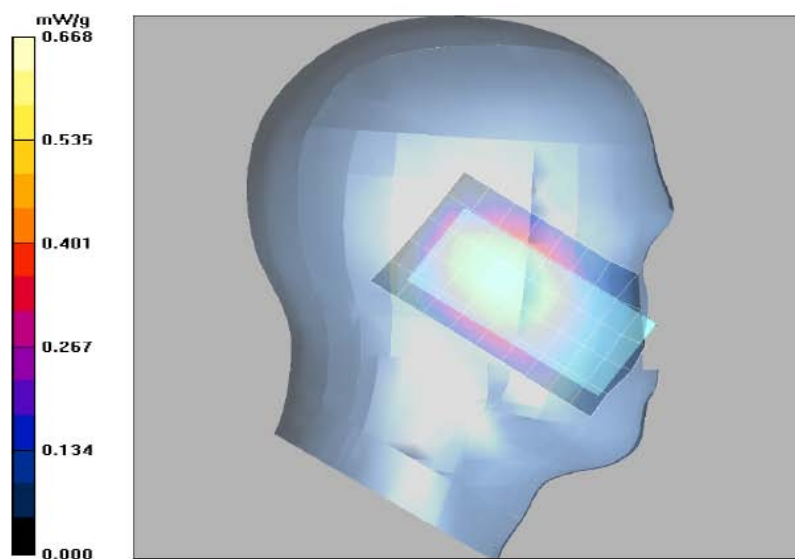
Reference Value = 27.6 V/m; Power Drift = -0.159 dB

Motorola Fast SAR: SAR(1 g) = 0.671 mW/g; SAR(10 g) = 0.464 mW/g

Maximum value of SAR (interpolated) = 0.705 mW/g

Left Ear-15D Tilt position/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.681 mW/g



Section 17.0

896-902MHz Band assessment of frequency band edges (Section 13.4 Table 29)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 5/28/2010 12:58:21 PM

Robot# / Run#: DASY4-FL-2 / JsT-Lear-100528-10
Phantom# / Tissue Temp.: SAMTP1022 / 19.9 (C)
DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
Antenna / TX Freq.: 85009288001 (Internal) / 896.01875 (MHz)
Battery: SNN5837A w/ NTN2584xxxA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.648 (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: 0.870 mW/g (1g); 0.574 mW/g (10g)

Comments: Full Scan; Touch (Slide Closed)
Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.85, 5.85, 5.85)
Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:3, Medium parameters used: $f = 899$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Left Ear-Touch position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 30.3 V/m; Power Drift = -0.397 dB

Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.870 mW/g; SAR(10 g) = 0.574 mW/g

Maximum value of SAR (measured) = 0.939 mW/g

Left Ear-Touch position/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

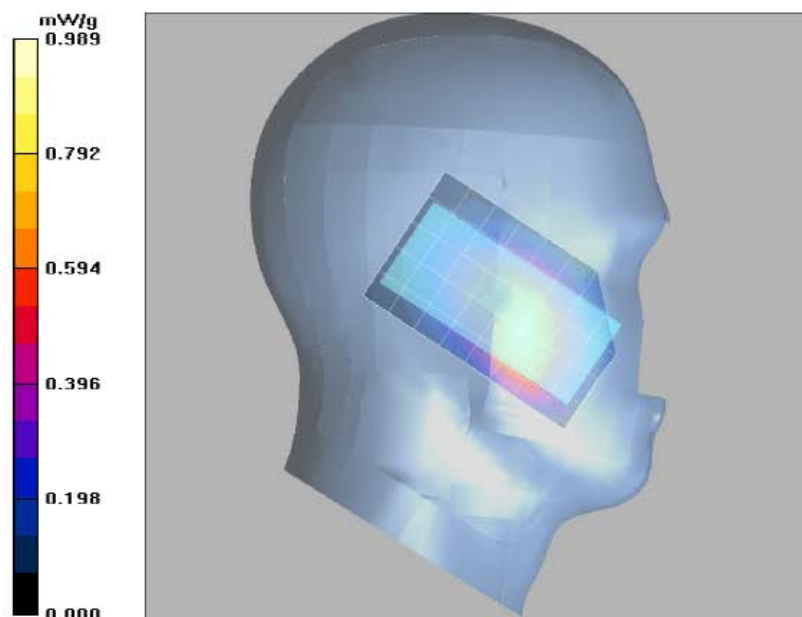
Reference Value = 30.3 V/m; Power Drift = -0.168 dB

Motorola Fast SAR: SAR(1 g) = 0.906 mW/g; SAR(10 g) = 0.601 mW/g

Maximum value of SAR (interpolated) = 0.990 mW/g

Left Ear-Touch position/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.961 mW/g



Section 18.0

896-902MHz Band assessment of the right ear touch position (Section 13.4 Table 30)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 6/2/2010 6:40:26 PM

Robot# / Run#: DASY4-FL-2 / MeC-Rear-100602-07
Phantom# / Tissue Temp.: SAMTP1022 / 20.9 (C)
DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
Antenna / TX Freq.: 85009288001 (Internal) / 898.99375 (MHz)
Battery: SNN5837A w/ NTN2584xxxA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.652 (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: 0.929 mW/g (1g); 0.617 mW/g (10g)

Comments: Full Scan; Touch (Slide Closed)

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.85, 5.85, 5.85)
Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:3, Medium parameters used: $f = 899$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 42.4$; $\rho = 1000$ kg/m³

Right Ear-Touch Position/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 23.0 V/m; Power Drift = -0.115 dB

Motorola Fast SAR: SAR(1 g) = 0.902 mW/g; SAR(10 g) = 0.612 mW/g

Maximum value of SAR (interpolated) = 0.973 mW/g

Right Ear-Touch Position/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.940 mW/g

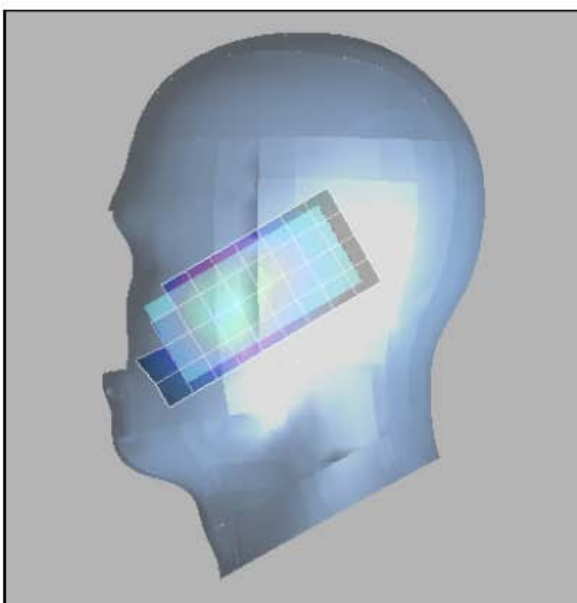
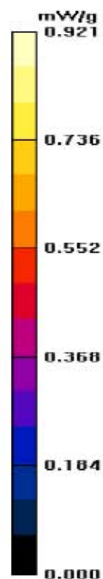
Right Ear-Touch Position/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 23.0 V/m; Power Drift = -0.417 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.918 mW/g; SAR(10 g) = 0.611 mW/g

Maximum value of SAR (measured) = 0.974 mW/g



Section 19.0

896-902MHz Band assessment of the right ear tilt position (Section 13.4 Table 31)

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 6/2/2010 7:11:27 PM

Robot# / Run#: DASY4-FL-2 / MeC-Rear-100602-08
 Phantom# / Tissue Temp.: SAMTP1022 / 20.9 (C)
 DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
 Antenna / TX Freq.: 85009288001 (Internal) / 898.99375 (MHz)
 Battery: SNN5837A w/NTN2584xxxA
 Carry Acc. / Cable Acc.: None / None
 Start Power: 0.647 (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: 0.719 mW/g (1g); 0.521 mW/g (10g)

Comments: Full Scan; Tilt (Slide Closed)

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.85, 5.85, 5.85)
 Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:3, Medium parameters used: $f = 899$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 42.4$; $\rho = 1000$ kg/m³

Right Ear-15D Tilt Position/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 26.9 V/m; Power Drift = -0.407 dB

Motorola Fast SAR: SAR(1 g) = 0.748 mW/g; SAR(10 g) = 0.514 mW/g

Maximum value of SAR (interpolated) = 0.803 mW/g

Right Ear-15D Tilt Position/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.748 mW/g

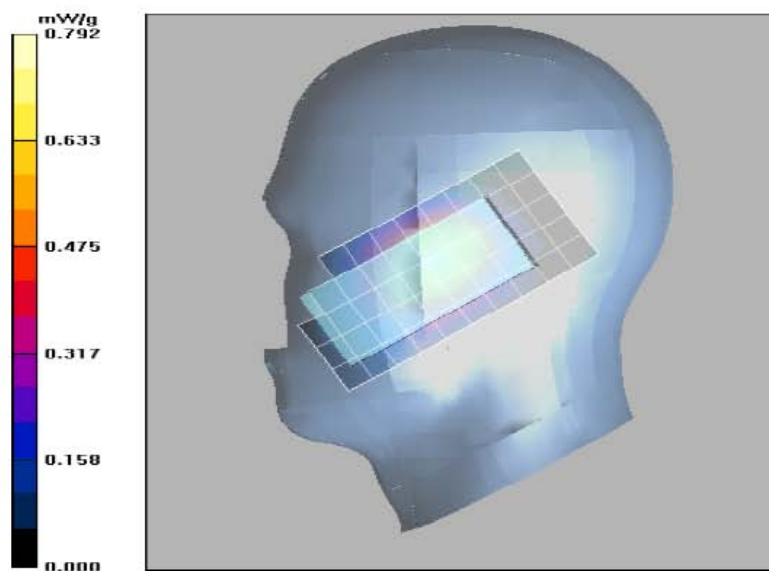
Right Ear-15D Tilt Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 26.9 V/m; Power Drift = -0.501 dB

Peak SAR (extrapolated) = 0.919 W/kg

SAR(1 g) = 0.711 mW/g; SAR(10 g) = 0.516 mW/g

Maximum value of SAR (measured) = 0.738 mW/g



Section 20.0
896-902MHz Band assessment of frequency band edges
(Section 13.4 Table 32)

Refer to Appendix E pg 32
“Highest Head SAR Configuration Result”

Section 21.0

896-902MHz Band assessment of the slide opened and closed (Section 13.4 Table 33)

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 5/28/2010 2:18:51 PM

Robot# / Run#: DASY4-FL-2 / JsT-Face-100528-12
 Phantom# / Tissue Temp.: SAMTP1022 / 20.0 (C)
 DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
 Antenna / TX Freq.: 85009288001 (Internal) / 898.99375 (MHz)
 Battery: SNN5837A w/NTN2584xxxA
 Carry Acc. / Cable Acc.: None / None
 Start Power: 0.655 (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: 0.219 mW/g (1g); 0.159 mW/g (10g)

Comments: Full Scan; DUT Front @ 2.5 cm (Slide Opened)

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.85, 5.85, 5.85)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:6, Medium parameters used: $f = 899$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Face Scan/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 15.5 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 0.283 W/kg

SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.159 mW/g

Maximum value of SAR (measured) = 0.231 mW/g

Face Scan/Area Scan (51x11x1): Measurement grid: dx=15mm, dy=15mm

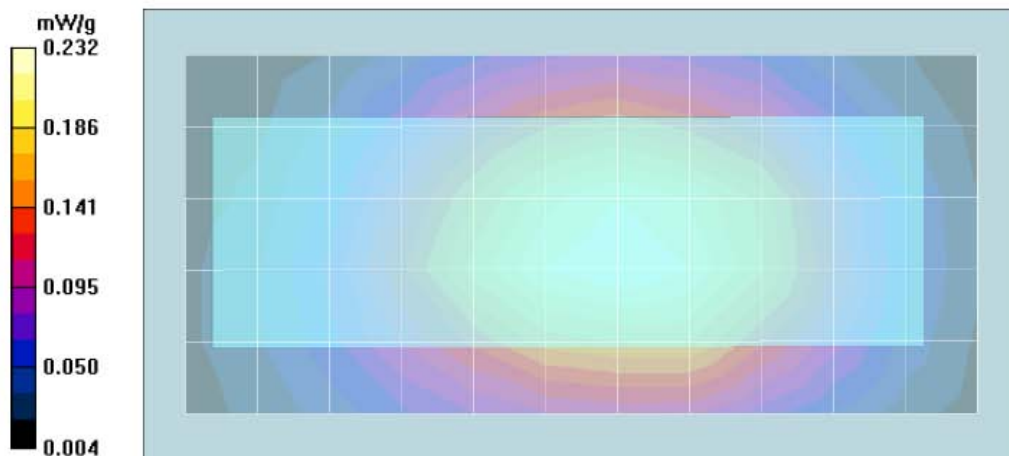
Reference Value = 15.5 V/m; Power Drift = 0.108 dB

Motorola Fast SAR: SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.158 mW/g

Maximum value of SAR (interpolated) = 0.235 mW/g

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

Maximum value of SAR (measured) = 0.239 mW/g



Section 22.0

896-902MHz Band Assessment of frequency band edges (Section 13.4 Table 34)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 5/28/2010 3:28:41 PM

Robot# / Run#: DASY4-FL-2 / JsT-Face-100528-14
Phantom# / Tissue Temp.: SAMTP1022 / 19.9 (C)
DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
Antenna / TX Freq.: 85009288001 (Internal) / 896.01875 (MHz)
Battery: SNN5837A w/ NTN2584xxxA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.651 (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: 0.226 mW/g (1g); 0.162 mW/g (10g)

Comments: Full Scan; DUT Front @ 2.5 cm (Slide Opened)

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.85, 5.85, 5.85)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:6, Medium parameters used: $f = 899$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Face Scan/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 15.7 V/m; Power Drift = 0.000951 dB

Peak SAR (extrapolated) = 0.320 W/kg

SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.162 mW/g

Maximum value of SAR (measured) = 0.240 mW/g

Face Scan/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm

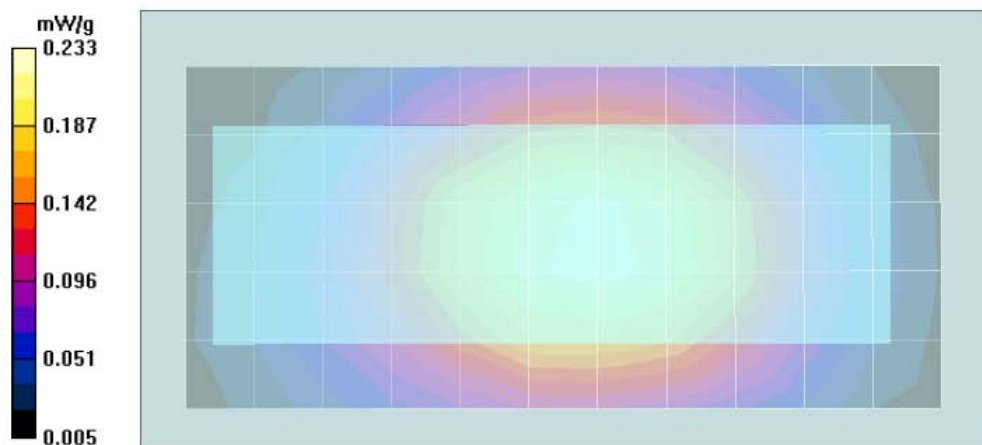
Reference Value = 15.7 V/m; Power Drift = -0.00763 dB

Motorola Fast SAR: SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.159 mW/g

Maximum value of SAR (interpolated) = 0.237 mW/g

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

Maximum value of SAR (measured) = 0.235 mW/g



Section 23.0

902-928MHz Band Assessment of the offered data/audio cables (Section 13.6 Table 35)

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 6/4/2010 2:33:04 PM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100604-13
 Phantom# / Tissue Temp.: OVAL1019 / 20.2 (C)
 DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
 Antenna / TX Freq.: 85009288001 (Internal) / 915.5250 (MHz)
 Battery: SNN5837A w/ NTN2584xxxA
 Carry Acc. / Cable Acc.: NNTN7972A / NNTN6312A
 Start Power: 0.795 (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: 2.13 mW/g (1g); 1.52 mW/g (10g)

Comments: Full Scan

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.81, 5.81, 5.81)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:1.05, Medium parameters used: $f = 915 \text{ MHz}$; $\sigma = 1.08 \text{ mho/m}$; $\epsilon_r = 52.3$; $\rho = 1000 \text{ kg/m}^3$

Ab Scan/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 46.0 V/m; Power Drift = -0.0108 dB

Peak SAR (extrapolated) = 2.81 W/kg

SAR(1 g) = 2.13 mW/g; SAR(10 g) = 1.52 mW/g

Maximum value of SAR (measured) = 2.27 mW/g

Ab Scan/Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

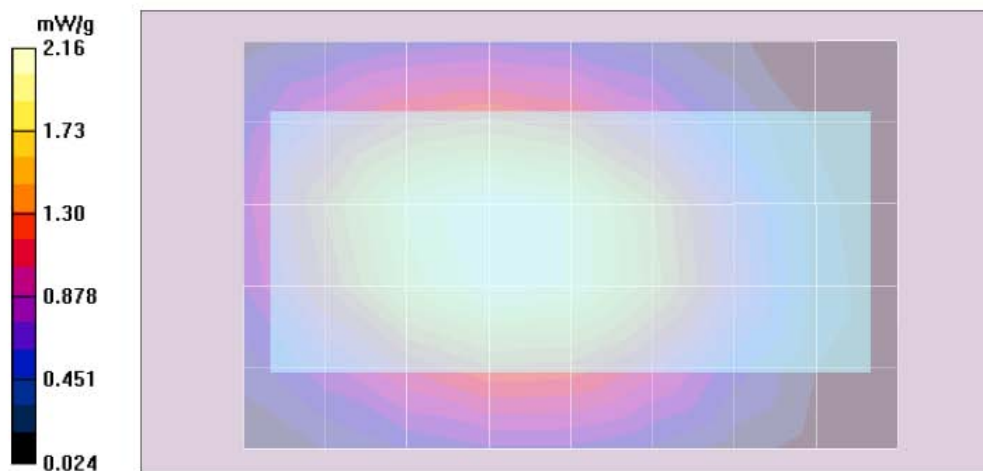
Reference Value = 46.0 V/m; Power Drift = 0.0135 dB

Motorola Fast SAR: SAR(1 g) = 2.14 mW/g; SAR(10 g) = 1.5 mW/g

Maximum value of SAR (interpolated) = 2.27 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$

Maximum value of SAR (measured) = 2.26 mW/g



Section 24.0

902-928MHz Band assessment frequency band edges (Section 13.6 Table 36)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 6/4/2010 3:34:51 PM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100604-14
Phantom# / Tissue Temp.: OVAL1019 / 20.0 (C)
DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
Antenna / TX Freq.: 85009288001 (Internal) / 902.5250 (MHz)
Battery: SNN5837A w/ NTN2584xxxA
Carry Acc. / Cable Acc.: NNTN7972A / NNTN6312A
Start Power: 0.807 (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: 2.14 mW/g (1g); 1.53 mW/g (10g)

Comments: Full Scan

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.81, 5.81, 5.81)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:1.05, Medium parameters used: $f = 915$ MHz; $\sigma = 1.08$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

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

Reference Value = 45.5 V/m; Power Drift = -0.0299 dB

Peak SAR (extrapolated) = 2.83 W/kg

SAR(1 g) = 2.14 mW/g; SAR(10 g) = 1.53 mW/g

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

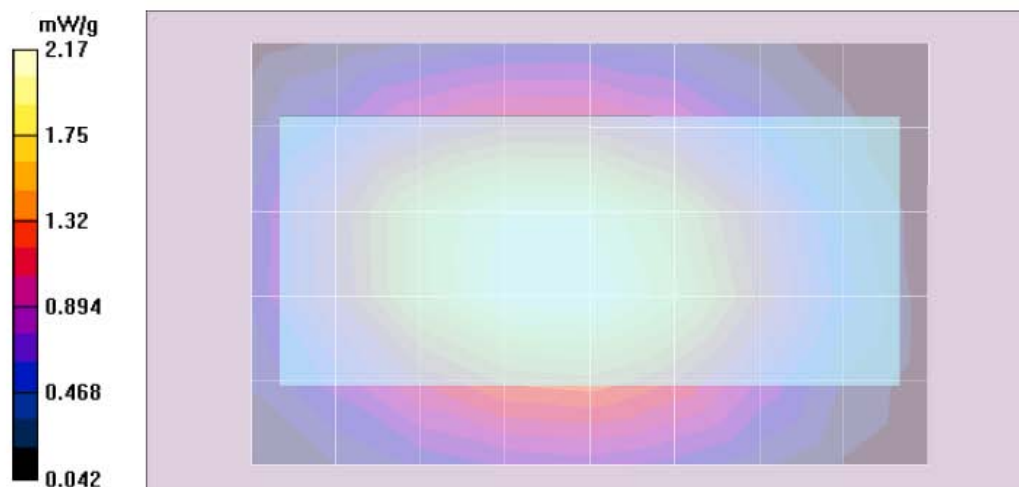
Reference Value = 45.5 V/m; Power Drift = -0.0183 dB

Motorola Fast SAR: SAR(1 g) = 2.17 mW/g; SAR(10 g) = 1.51 mW/g

Maximum value of SAR (interpolated) = 2.29 mW/g

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

Maximum value of SAR (measured) = 2.26 mW/g



Section 25.0
902-928MHz Band assessment at 2.5cm
(Section 13.6 Table 37)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 6/8/2010 11:38:28 AM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100608-03
Phantom# / Tissue Temp.: OVAL1019 / 20.9 (C)
DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
Antenna / TX Freq.: 85009288001 (Internal) / 902.5250 (MHz)
Battery: SNN5837A w/ NTN2584xxxxA
Carry Acc. / Cable Acc.: None / NNTN6312A
Start Power: 0.806 (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: 1.69 mW/g (1g); 1.22 mW/g (10g)

Comments: Full Scan; Back of DUT @ 2.5 cm. (Slide Closed)

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.81, 5.81, 5.81)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:1.05, Medium parameters used: $f = 915$ MHz; $\sigma = 1.07$ mho/m; $\epsilon_t = 52.5$; $\rho = 1000$ kg/m³

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

Reference Value = 40.3 V/m; Power Drift = 0.0246 dB

Peak SAR (extrapolated) = 2.22 W/kg

SAR(1 g) = 1.69 mW/g; SAR(10 g) = 1.22 mW/g

Maximum value of SAR (measured) = 1.78 mW/g

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

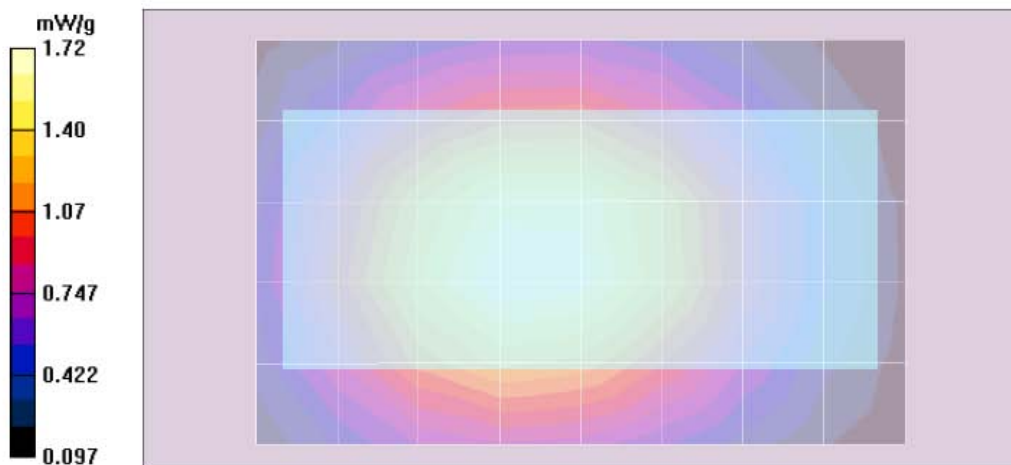
Reference Value = 40.3 V/m; Power Drift = -0.0065 dB

Motorola Fast SAR: SAR(1 g) = 1.67 mW/g; SAR(10 g) = 1.18 mW/g

Maximum value of SAR (interpolated) = 1.77 mW/g

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

Maximum value of SAR (measured) = 1.79 mW/g



Section 26.0

902-928MHz Band assessment of slide opened and closed (Section 13.6 Table 38)

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 5/28/2010 5:29:14 PM

Robot# / Run#: DASY4-FL-2 / CM-Face-100528-17
 Phantom# / Tissue Temp.: SAMTP1022 / 19.9 (C)
 DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
 Antenna / TX Freq.: 85009288001 (Internal) / 915.525 (MHz)
 Battery: SNN5837A w/ NTN2584xxxA
 Carry Acc. / Cable Acc.: None / None
 Start Power: 0.776 (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: 1.38 mW/g (1g); 0.937 mW/g (10g)

Comments: Full Scan; DUT Front @ 2.5 cm (Slide Opened)

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.85, 5.85, 5.85)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:1.05, Medium parameters used: $f = 915$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

Face Scan/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 38.5 V/m; Power Drift = -0.0195 dB

Motorola Fast SAR: SAR(1 g) = 1.36 mW/g; SAR(10 g) = 0.963 mW/g

Maximum value of SAR (interpolated) = 1.44 mW/g

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

Maximum value of SAR (measured) = 1.43 mW/g

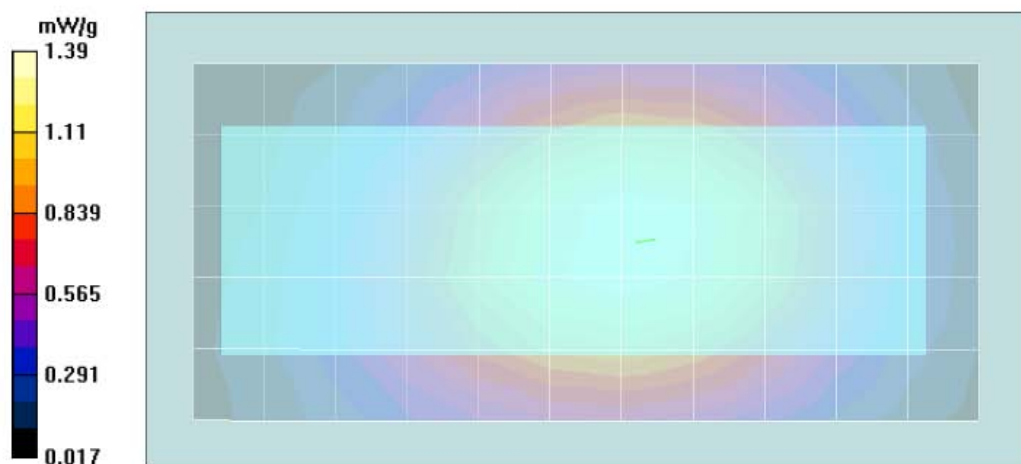
Face Scan/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 38.5 V/m; Power Drift = -0.0334 dB

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 1.37 mW/g; SAR(10 g) = 0.975 mW/g

Maximum value of SAR (measured) = 1.45 mW/g



Section 27.0
902-928MHz Band assessment of frequency band edges
(Section 13.6 Table 39)

Refer to Appendix E pg 31
“Highest Face SAR Configuration Result”

Section 28.0
2402-2480MHz Band frequency search assessment across the band
(Section 13.8 Table 40)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 6/10/2010 8:30:33 AM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100610-04
Phantom# / Tissue Temp.: DUAL1002-Side B / 20.5 (C)
DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
Antenna / TX Freq.: 85009289001 (Internal) / 2481 (MHz)
Battery: SNN5837A w/ NTN2584xxxxA
Carry Acc. / Cable Acc.: NNTN7972A / None
Start Power: 0.0081 (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: 0.0182 mW/g (1g); 0.0104 mW/g (10g)

Comments: Full Scan; Tested without Volume 2D and Zoom Extents set to 45mm.

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(4.18, 4.18, 4.18)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:1, Medium parameters used: $f = 2441$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 49.9$; $\rho = 1000$ kg/m³

Ab Scan/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 2.80 V/m; Power Drift = -0.0867 dB

Peak SAR (extrapolated) = 0.078 W/kg

SAR(1 g) = 0.0182 mW/g; SAR(10 g) = 0.0104 mW/g

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

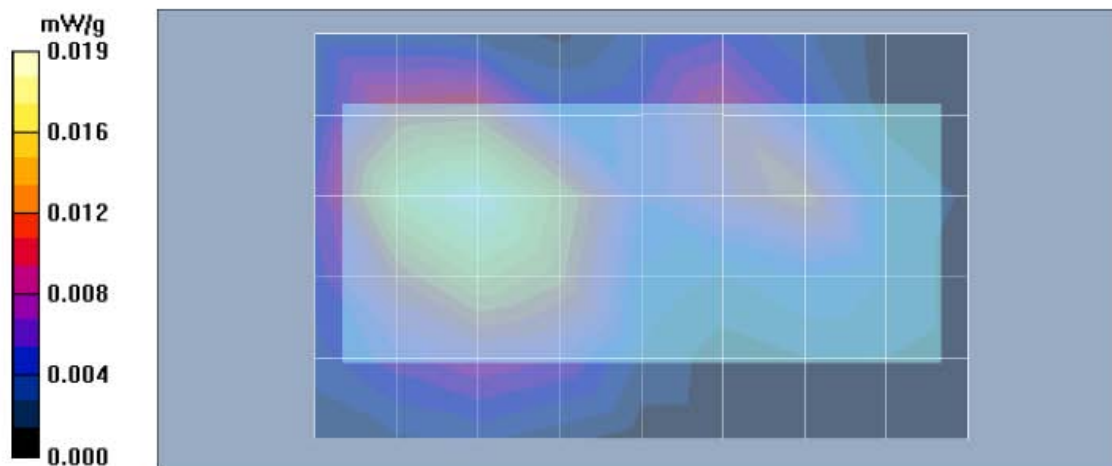
Reference Value = 2.80 V/m; Power Drift = 0.0476 dB

Motorola Fast SAR: SAR(1 g) = 0.0187 mW/g; SAR(10 g) = 0.00979 mW/g

Maximum value of SAR (interpolated) = 0.021 mW/g

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

Maximum value of SAR (measured) = 0.005 mW/g



Section 29.0
2402-2480MHz Band assessment at 2.5cm
(Section 13.8 Table 41)

Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 6/10/2010 9:36:22 AM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100610-06
Phantom# / Tissue Temp.: DUAL1002-Side B / 20.5 (C)
DUT Model# / Serial#: H76XAH6JR4AN / 364VLGNT3D
Antenna / TX Freq.: 85009289001 (Internal) / 2481 (MHz)
Battery: SNN5837A w/ NTN2584xxxA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.0081 (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: 0.00769 mW/g (1g); 0.00402 mW/g (10g)

Comments: Full Scan; Back of DUT @ 2.5 cm. (Slide Opened)
Tested without Volume 2D and Zoom Extents set to 45mm.

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(4.18, 4.18, 4.18)

Electronics: DAE4 Sn729, Calibrated: 3/10/2010

Duty Cycle: 1:1, Medium parameters used: $f = 2441$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 49.9$; $\rho = 1000$ kg/m³

Ab Scan/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 2.00 V/m; Power Drift = 0.107 dB

Peak SAR (extrapolated) = 0.017 W/kg

SAR(1 g) = 0.00769 mW/g; SAR(10 g) = 0.00402 mW/g

Maximum value of SAR (measured) = 0.010 mW/g

Ab Scan/Area Scan (51x11x1): Measurement grid: dx=15mm, dy=15mm

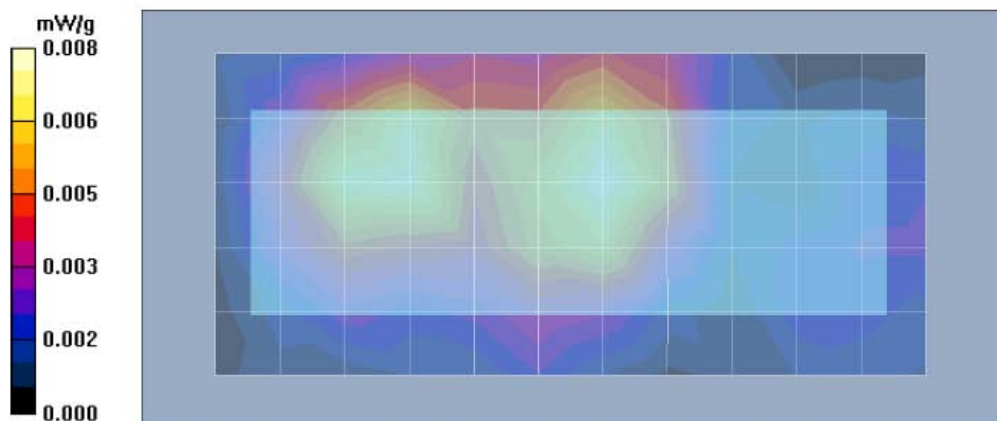
Reference Value = 2.00 V/m; Power Drift = -0.0406 dB

Motorola Fast SAR: SAR(1 g) = 0.00749 mW/g; SAR(10 g) = 0.004 mW/g

Maximum value of SAR (interpolated) = 0.008 mW/g

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

Maximum value of SAR (measured) = 0.006 mW/g



APPENDIX G

DUT Supplementary Data (Power slump)

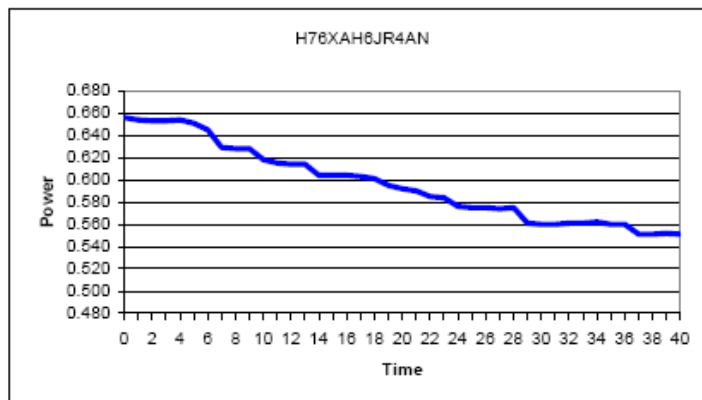
Model # H76XAH6JR4AN
Serial # 364VLGNT3D

Battery SNN5837A **Transmit Mode** WiDen 75%
Frequency 896.01875 MHz **Audio Accessory** None
Date 6/8/2010

Used iDen RF Cable #012 with offset of 0.4 dB

TX TIME **Measured Power**
(Minutes) **(Watts)**

0	0.656
1	0.654
2	0.653
3	0.653
4	0.654
5	0.651
6	0.645
7	0.629
8	0.628
9	0.628
10	0.618
11	0.615
12	0.614
13	0.614
14	0.604
15	0.604
16	0.604
17	0.603
18	0.601
19	0.595
20	0.592
21	0.590
22	0.585
23	0.584
24	0.576
25	0.575
26	0.575
27	0.574
28	0.575
29	0.561
30	0.560
31	0.560
32	0.561
33	0.561
34	0.562
35	0.560
36	0.560
37	0.551
38	0.551
39	0.552
40	0.551



Appendix H

DUT Test Position Photos

Photos available in Exhibit 7B

Appendix I
DUT and Body worn Accessory Photos

Photos available in Exhibit 7B