


MOTOROLA


TESTING CERT # 2518.01

DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 3

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

Date of Report: 09/27/10
Report Revision: O
Report ID: SAR rpt_H86XAH6JR7AN_Rev
 O_100927_SR8668

Responsible Engineer: Stephen C. Whalen (Principal Staff Eng.)
Report Author: Stephen C. Whalen (Principal Staff Eng.)
Date/s Tested: 09/3/2010, 09/05/2010, 09/07/2010 – 09/10/2010 & 09/15/2010
Manufacturer/Location: China
Sector/Group/Div.: iDEN Mobile Devices
Date submitted for test: 07/27/2010
DUT Description: TDMA: 81:120, 2:6, 1:12, and 1:6; M64-QAM, M16-QAM, and QPSK Modulations; 0.600 W Pulse Avg; MOTotalk: 114:120 8FSK; 0.760 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); 0.760 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: H86XAH6JR7AN
Model(s) Certified: H86XAH6JR7AN
Serial Number(s): 364VLQ9QDT, 364VLQ9Q8M
Classification: General Population/Uncontrolled


Regulatory Identifications

FCC ID: IHDP56LL1 – Rule Part(s) 15, 90

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

IC: 109O-P56LL1 – Rule Part(s) RSS 102

Max. Calc. : 1-g Avg. SAR: 1.08 W/kg (Body); 10-g Avg. SAR: 0.78 W/kg (Body)

Max. Calc. : 1-g Avg. SAR: 0.69 W/kg (Face); 10-g Avg. SAR: 0.49 W/kg (Face)

Max. Calc. : 1-g Avg. SAR: 0.87 W/kg (Head); 10-g Avg. SAR: 0.60 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

Deanna Zakharia
EMS EME Lab Senior Resource Manager,
Laboratory Director

Approval Date: : 9/27/2010
Certification Date: 9/27/2010
Certification No.: L1100914

Appendix E

DUT Scans (Shortened Scan and Highest SAR configurations)

Shortened Scan Result

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/9/2010 6:23:57 PM

Robot# / Run#: DASY4-FL-2 / CM-Ab-100909-16
 Phantom# / Tissue Temp.: OVAL1021 / 20.5 (C)
 DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
 Antenna / TX Freq.: 85009280001 (Internal) / 898.99375 (MHz)
 Battery: SNN5837A w/ NTN3000XXXA
 Carry Acc. / Cable Acc.: NNTN7900A / None
 Start Power: 0.650 (W)

Note:

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

Reported SAR: 0.813 mW/g (1g); 0.588 mW/g (10g)

Comments: Short Scan

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

Electronics: DAE3 Sn374, Calibrated: 4/15/2010

Duty Cycle: 1:1.5, Medium parameters used: $f = 899$ MHz; $\sigma = 1.07$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 25.3 V/m; Power Drift = 0.251 dB

Motorola Fast SAR: SAR(1 g) = 0.764 mW/g; SAR(10 g) = 0.538 mW/g

Maximum value of SAR (interpolated) = 0.806 mW/g

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

Reference Value = 25.3 V/m; Power Drift = 0.155 dB

Peak SAR (extrapolated) = 0.843 W/kg

Motorola Fast SAR: SAR(1 g) = 0.785 mW/g; SAR(10 g) = 0.544 mW/g

Maximum value of SAR (interpolated) = 0.843 mW/g

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

Reference Value = 29.0 V/m; Power Drift = -0.205 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.813 mW/g; SAR(10 g) = 0.588 mW/g

Maximum value of SAR (measured) = 0.877 mW/g

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

Maximum value of SAR (measured) = 0.771 mW/g

Shortened scan reflect highest SAR producing configuration; approximate run time 12 minutes.

Representative zoom scan approximate run time was 13 minutes

“Shortened” scan max calculated SAR using SAR drift: 1-g Avg. = 0.86 mW/g; 10-g Avg. = 0.62 mW/g

Zoom scan max calculated SAR using SAR drift: 1-g Avg. = 1.08 mW/g; 10-g Avg. = 0.78 mW/g

(see part 1 of 3 section 13.7 run # CM-Ab-100907-17)



Highest Body SAR Configuration Result

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/7/2010 6:42:50 PM

Robot# / Run#: DASY4-FL-2 / CM-Ab-100907-17
 Phantom# / Tissue Temp.: OVAL1021 / 20.0 (C)
 DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
 Antenna / TX Freq.: 85009280001(internal) / 898.99375 (MHz)
 Battery: SNN5837A w/ NTN3000XXXA
 Carry Acc. / Cable Acc.: NNTN7900A / None
 Start Power: .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 SAR: 0.966 mW/g (1g); 0.695 mW/g (10g)

Comments:

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

Electronics: DAE3 Sn374, Calibrated: 4/15/2010

Duty Cycle: 1:1.5, Medium parameters used: $f = 899$ MHz; $\sigma = 1.07$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 32.3 V/m; Power Drift = -0.159 dB

Motorola Fast SAR: SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.752 mW/g

Maximum value of SAR (interpolated) = 1.15 mW/g

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

Reference Value = 32.3 V/m; Power Drift = -0.258 dB

Peak SAR (extrapolated) = 1.08 W/kg

Motorola Fast SAR: SAR(1 g) = 1 mW/g; SAR(10 g) = 0.701 mW/g

Maximum value of SAR (interpolated) = 1.08 mW/g

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

Reference Value = 32.3 V/m; Power Drift = -0.436 dB

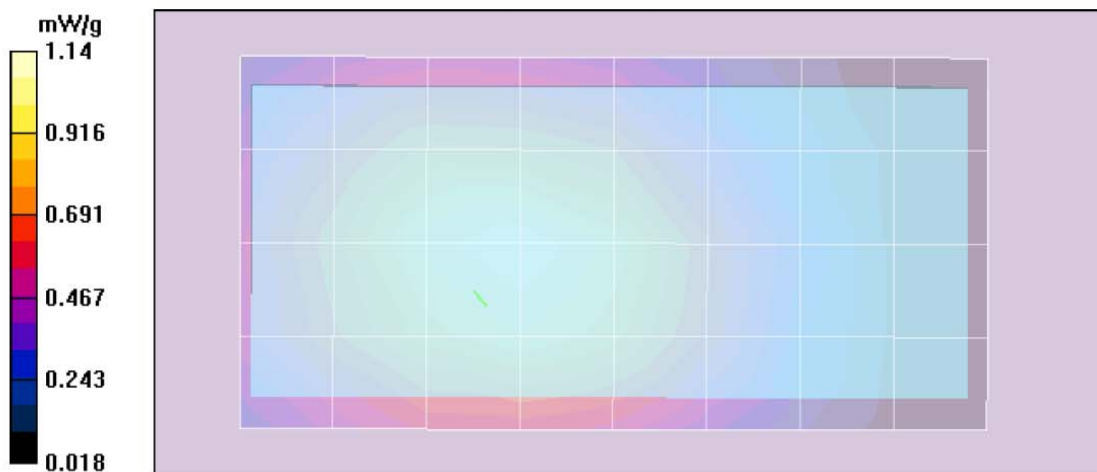
Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.966 mW/g; SAR(10 g) = 0.695 mW/g

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

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

Maximum value of SAR (measured) = 1.02 mW/g



Highest Face SAR Configuration Result

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/10/2010 5:05:11 PM

Robot# / Run#: DASY4-FL-2 / CM-Face-100910-10
 Phantom# / Tissue Temp.: SAMTP1022 / 20.8 (C)
 DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9Q8M
 Antenna / TX Freq.: 85009280001 (Internal) / 902.5250 (MHz)
 Battery: SNN5837A w/ NTN3000XXXXA
 Carry Acc. / Cable Acc.: None / None
 Start Power: 0.777 (W)

Note:

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

Reported SAR: 1.34 mW/g (1g); 0.956 mW/g (10g)

Comments: Full Scan; Back of DUT @ 2.5 cm. (Slide Closed);
 Retest of Second Unit Following Re-Tune to Max Power.

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

Electronics: DAE3 Sn374, Calibrated: 4/15/2010

Duty Cycle: 1:1.05, Medium parameters used: $f = 915$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 41.4$; $\rho = 1000$ kg/m³

Face Scan/1-Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 36.0 V/m; Power Drift = 0.0747 dB

Motorola Fast SAR: SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.915 mW/g

Maximum value of SAR (interpolated) = 1.36 mW/g

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

Reference Value = 36.0 V/m; Power Drift = 0.141 dB

Peak SAR (extrapolated) = 1.41 W/kg

Motorola Fast SAR: SAR(1 g) = 1.33 mW/g; SAR(10 g) = 0.940 mW/g

Maximum value of SAR (interpolated) = 1.41 mW/g

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

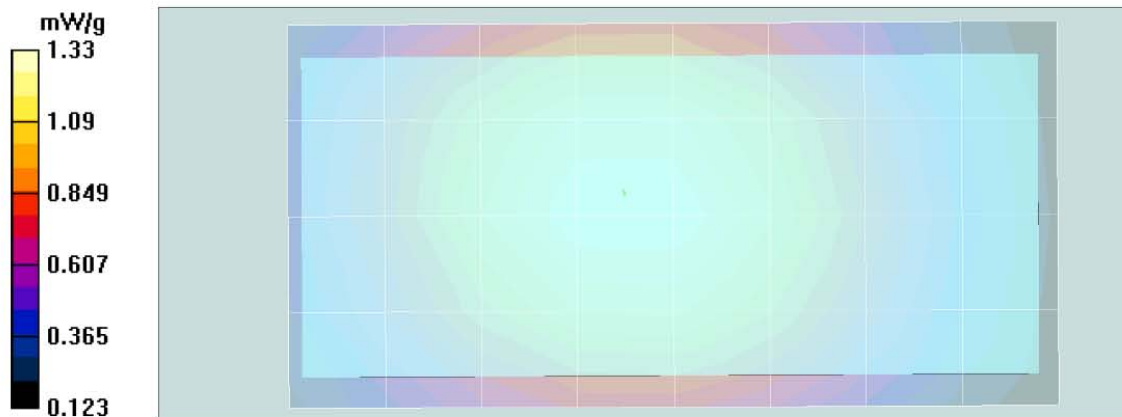
Reference Value = 36.0 V/m; Power Drift = 0.181 dB

Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.956 mW/g

Maximum value of SAR (measured) = 1.42 mW/g

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



Highest Head SAR Configuration Result

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/3/2010 9:39:06 PM

Robot# / Run#: DASY4-FL-2 / CM-Rear-100903-18
 Phantom# / Tissue Temp.: SAMTP1022 / 19.8 (C)
 DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
 Antenna / TX Freq.: 85009280001 (Internal) / 896.01875 (MHz)
 Battery: SNN5837A w/NTN3000XXXXA
 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 SAR: 0.811 mW/g (1g); 0.557 mW/g (10g)

Comments: Full Scan; Touch

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; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³

Right Ear-Touch Position/1-Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 24.8 V/m; Power Drift = -0.172 dB

Motorola Fast SAR: SAR(1 g) = 0.834 mW/g; SAR(10 g) = 0.554 mW/g

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

Right Ear-Touch Position/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 24.8 V/m; Power Drift = -0.234 dB

Peak SAR (extrapolated) = 0.877 W/kg

Motorola Fast SAR: SAR(1 g) = 0.815 mW/g; SAR(10 g) = 0.543 mW/g

Maximum value of SAR (interpolated) = 0.877 mW/g

Right Ear-Touch Position/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 24.8 V/m; Power Drift = -0.289 dB

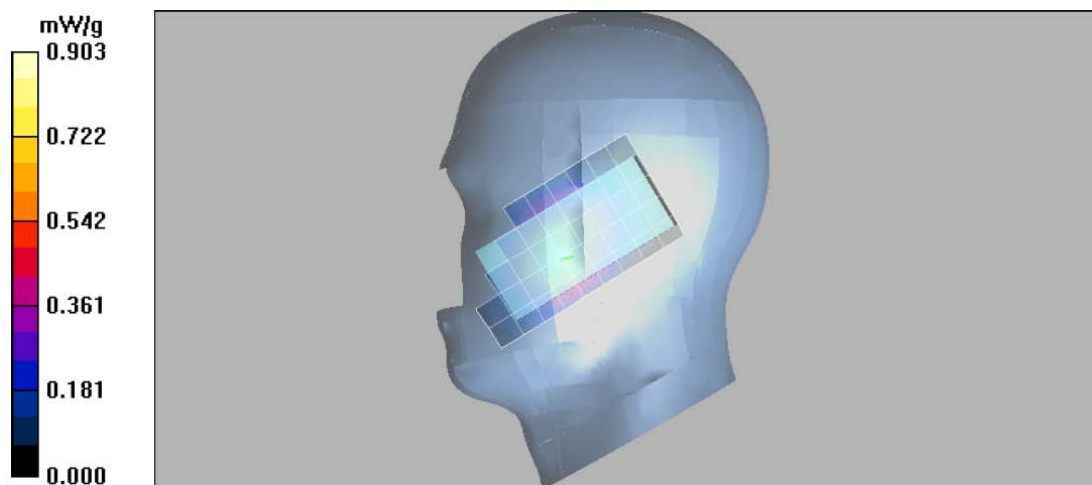
Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.811 mW/g; SAR(10 g) = 0.557 mW/g

Maximum value of SAR (measured) = 0.864 mW/g

Right Ear-Touch Position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.820 mW/g



Appendix F

DUT Scans

Section 1.0
806-825MHz Band Assessment of the offered batteries
(Section 13.2 Table 13)
Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 9/8/2010 4:47:05 PM

Robot# / Run#: DASY4-FL-2 / CM-Ab-100908-16
Phantom# / Tissue Temp.: OVAL1021 / 19.3 (C)
DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
Antenna / TX Freq.: 85009280001 (Internal) / 815.5125 (MHz)
Battery: SNN5851A w/ NTN2597XXXXA
Carry Acc. / Cable Acc.: NNTN7900A / None
Start Power: 0.632 (W)

Note:

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

Reported SAR: 0.877 mW/g (1g); 0.643 mW/g (10g)

Comments: Full Scan

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

Electronics: DAE3 Sn374, Calibrated: 4/15/2010

Duty Cycle: 1:1.5, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 32.3 V/m; Power Drift = -0.130 dB

Motorola Fast SAR: SAR(1 g) = 0.897 mW/g; SAR(10 g) = 0.641 mW/g

Maximum value of SAR (interpolated) = 0.946 mW/g

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

Reference Value = 32.3 V/m; Power Drift = -0.183 dB

Peak SAR (extrapolated) = 0.995 W/kg

Motorola Fast SAR: SAR(1 g) = 0.927 mW/g; SAR(10 g) = 0.642 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 (interpolated) = 0.995 mW/g

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

Reference Value = 32.3 V/m; Power Drift = -0.337 dB

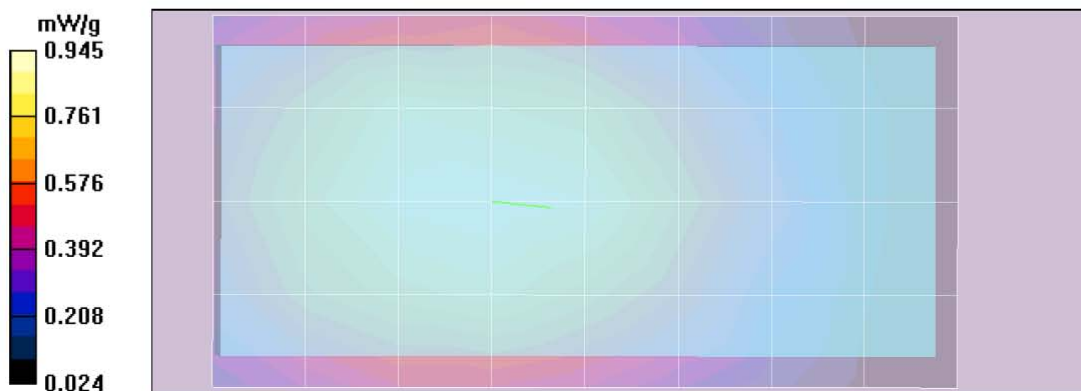
Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.872 mW/g; SAR(10 g) = 0.641 mW/g

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

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

Maximum value of SAR (measured) = 0.918 mW/g



Section 2.0

806-825MHz Band Assessment of the offered data/audio cables (Section 13.2 Table 14)

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/8/2010 5:45:55 PM

Robot# / Run#: DASY4-FL-2 / CM-Ab-100908-18
 Phantom# / Tissue Temp.: OVAL1021 / 19.4 (C)
 DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
 Antenna / TX Freq.: 85009280001 (Internal) / 815.5125 (MHz)
 Battery: SNN5851A w/ NTN2597XXXXA
 Carry Acc. / Cable Acc.: NNTN7900A / SKN6238A
 Start Power: 0.628 (W)

Note:

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

Reported SAR: 0.837 mW/g (1g); 0.608 mW/g (10g)

Comments: Full Scan

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

Electronics: DAE3 Sn374, Calibrated: 4/15/2010

Duty Cycle: 1:1.5, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 30.5 V/m; Power Drift = 0.0232 dB

Motorola Fast SAR: SAR(1 g) = 0.842 mW/g; SAR(10 g) = 0.599 mW/g

Maximum value of SAR (interpolated) = 0.888 mW/g

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

Reference Value = 30.5 V/m; Power Drift = -0.0376 dB

Peak SAR (extrapolated) = 0.934 W/kg

Motorola Fast SAR: SAR(1 g) = 0.851 mW/g; SAR(10 g) = 0.593 mW/g

Maximum value of SAR (interpolated) = 0.934 mW/g

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

Reference Value = 30.5 V/m; Power Drift = -0.151 dB

Peak SAR (extrapolated) = 1.17 W/kg

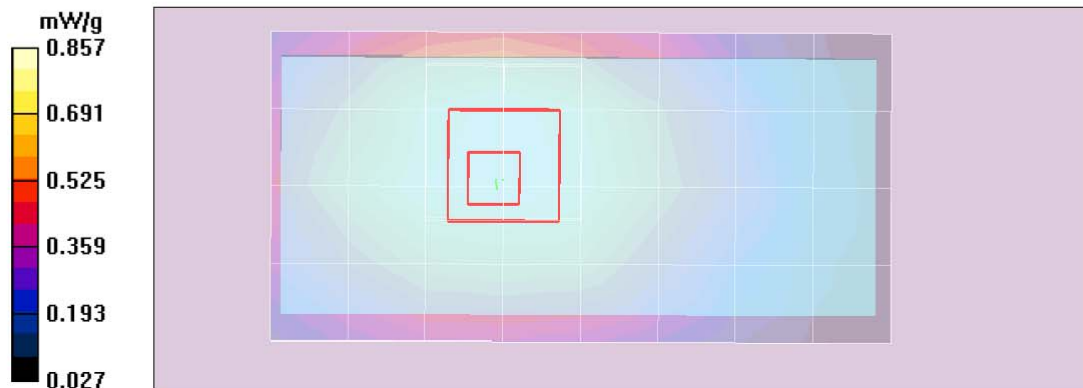
SAR(1 g) = 0.833 mW/g; SAR(10 g) = 0.606 mW/g

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) = 0.910 mW/g

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

Maximum value of SAR (measured) = 0.822 mW/g



Section 3.0
806-825MHz Band Assessment of frequency band edges of the offered antenna
(Section 13.2 Table 15)
Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 9/8/2010 8:38:07 PM

Robot# / Run#: DASY4-FL-2 / CM-Ab-100908-23
Phantom# / Tissue Temp.: OVAL1021 / 19.5 (C)
DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
Antenna / TX Freq.: 85009280001 (Internal) / 824.9875 (MHz)
Battery: SNN5851A w/ NTN2597XXXXA
Carry Acc. / Cable Acc.: NNTN7900A / None
Start Power: 0.637 (W)

Note:

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

Reported SAR: 0.920 mW/g (1g); 0.677 mW/g (10g)

Comments: Full Scan

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

Electronics: DAE3 Sn374, Calibrated: 4/15/2010

Duty Cycle: 1:1.5, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 32.2 V/m; Power Drift = 0.0879 dB

Motorola Fast SAR: SAR(1 g) = 0.915 mW/g; SAR(10 g) = 0.653 mW/g

Maximum value of SAR (interpolated) = 0.963 mW/g

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

Reference Value = 32.2 V/m; Power Drift = 0.0278 dB

Peak SAR (extrapolated) = 0.981 W/kg

Motorola Fast SAR: SAR(1 g) = 0.924 mW/g; SAR(10 g) = 0.658 mW/g

Maximum value of SAR (interpolated) = 0.981 mW/g

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

Reference Value = 32.2 V/m; Power Drift = -0.160 dB

Peak SAR (extrapolated) = 1.22 W/kg

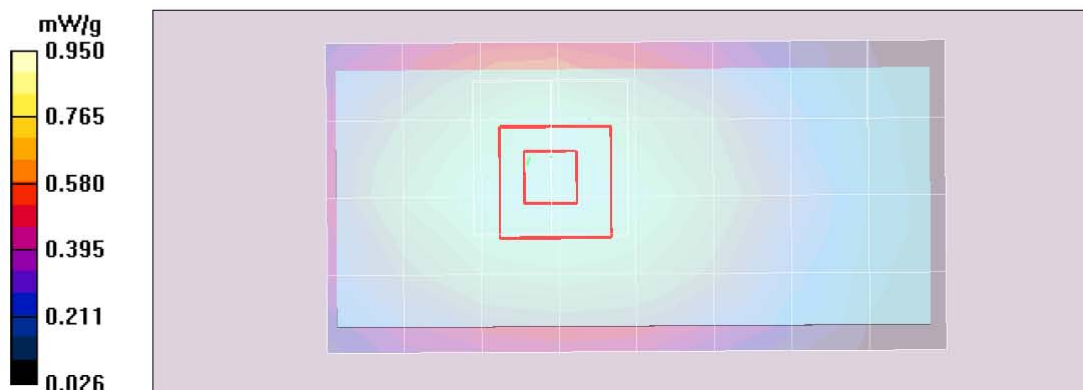
SAR(1 g) = 0.915 mW/g; SAR(10 g) = 0.675 mW/g

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) = 0.992 mW/g

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

Maximum value of SAR (measured) = 0.956 mW/g



Section 4.0
806-825MHz Band Assessment without body worn accessory at 2.5cm
(Section 13.2 Table 16)
Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 9/8/2010 10:08:26 PM

Robot# / Run#: DASY4-FL-2 / CM-Ab-100908-26
 Phantom# / Tissue Temp.: OVAL1021 / 19.6 (C)
 DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
 Antenna / TX Freq.: 85009280001 (Internal) / 815.5125 (MHz)
 Battery: SNN5851A w/ NTN2597XXXA
 Carry Acc. / Cable Acc.: None / None
 Start Power: 0.637 (W)

Note:

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

Reported SAR: 0.680 mW/g (1g); 0.479 mW/g (10g)

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

Probe: ES3DV3 - SN3147, Calibrated: 2/18/2010, ConvF(5.81, 5.81, 5.81)
 Electronics: DAE3 Sn374, Calibrated: 4/15/2010

Duty Cycle: 1:1.5, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 53.5$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 27.7 V/m; Power Drift = -0.0936 dB

Motorola Fast SAR: SAR(1 g) = 0.695 mW/g; SAR(10 g) = 0.483 mW/g

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

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

Reference Value = 27.7 V/m; Power Drift = -0.0904 dB

Peak SAR (extrapolated) = 0.709 W/kg

Motorola Fast SAR: SAR(1 g) = 0.655 mW/g; SAR(10 g) = 0.462 mW/g

Maximum value of SAR (interpolated) = 0.709 mW/g

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

Reference Value = 27.7 V/m; Power Drift = -0.246 dB

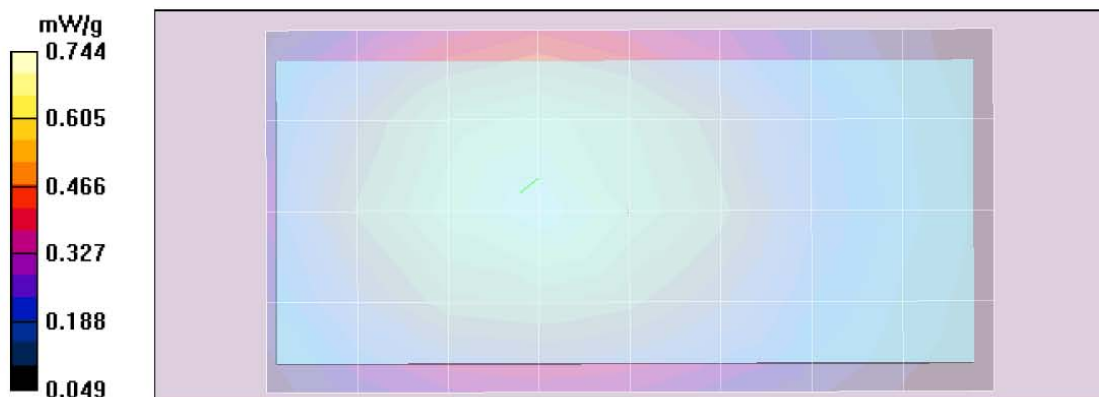
Peak SAR (extrapolated) = 0.989 W/kg

SAR(1 g) = 0.676 mW/g; SAR(10 g) = 0.478 mW/g

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

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

Maximum value of SAR (measured) = 0.709 mW/g



Section 5.0
806-825MHz Band Assessment of the offered batteries
(Section 13.2 Table 17)
Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 9/3/2010 5:38:02 PM

Robot# / Run#: DASY4-FL-2 / CM-Lear-100903-12
Phantom# / Tissue Temp.: SAMTP1022 / 19.8 (C)
DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
Antenna / TX Freq.: 85009280001 (Internal) / 815.5125 (MHz)
Battery: SNN5851A w/NTN2597XXXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.620 (W)

Note:

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

Reported SAR: 0.558 mW/g (1g); 0.397 mW/g (10g)

Comments: Full Scan; Touch

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; $\epsilon_r = 41$; $\rho = 1000$ kg/m³

Left Ear-Touch position/1-Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 25.3 V/m; Power Drift = -0.106 dB

Motorola Fast SAR: SAR(1 g) = 0.559 mW/g; SAR(10 g) = 0.383 mW/g

Maximum value of SAR (interpolated) = 0.600 mW/g

Left Ear-Touch position/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 25.3 V/m; Power Drift = -0.105 dB

Peak SAR (extrapolated) = 0.605 W/kg

Motorola Fast SAR: SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.380 mW/g

Maximum value of SAR (interpolated) = 0.605 mW/g

Left Ear-Touch position/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 25.3 V/m; Power Drift = -0.146 dB

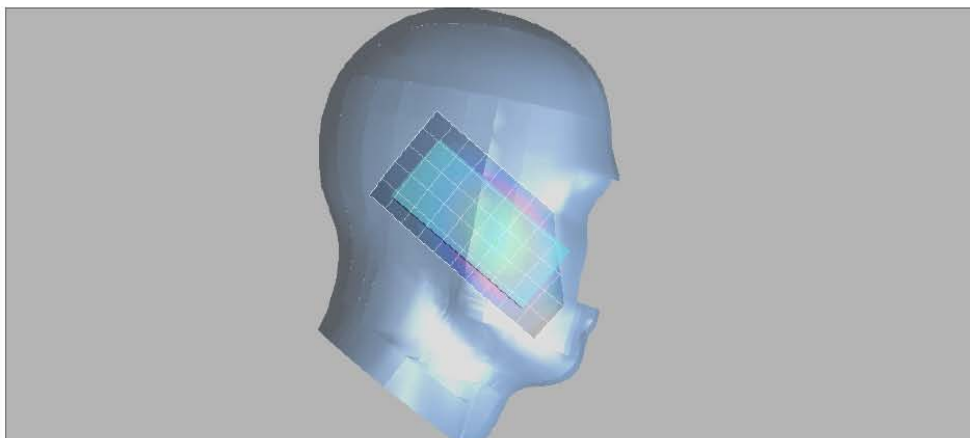
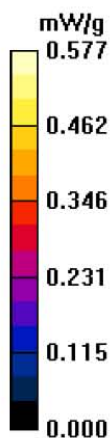
Peak SAR (extrapolated) = 0.722 W/kg

SAR(1 g) = 0.548 mW/g; SAR(10 g) = 0.393 mW/g

Maximum value of SAR (measured) = 0.587 mW/g

Left Ear-Touch position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.579 mW/g



Section 6.0
806-825MHz Band Assessment of the tilt position
(Section 13.2 Table 18)
Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 9/3/2010 6:10:16 PM

Robot# / Run#: DASY4-FL-2 / CM-Lear-100903-13
Phantom# / Tissue Temp.: SAMTP1022 / 19.9 (C)
DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
Antenna / TX Freq.: 85009280001 (Internal) / 815.5125 (MHz)
Battery: SNN5851A w/NTN2597XXXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.618 (W)

Note:

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

Reported SAR: 0.294 mW/g (1g); 0.218 mW/g (10g)

Comments: Full Scan; Tilt

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; $\epsilon_r = 41$; $\rho = 1000$ kg/m³

Left Ear-15D Tilt position/1-Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 19.3 V/m; Power Drift = -0.102 dB

Motorola Fast SAR: SAR(1 g) = 0.305 mW/g; SAR(10 g) = 0.213 mW/g

Maximum value of SAR (interpolated) = 0.325 mW/g

Left Ear-15D Tilt position/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 19.3 V/m; Power Drift = -0.123 dB

Peak SAR (extrapolated) = 0.312 W/kg

Motorola Fast SAR: SAR(1 g) = 0.293 mW/g; SAR(10 g) = 0.205 mW/g

Maximum value of SAR (interpolated) = 0.312 mW/g

Left Ear-15D Tilt position/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

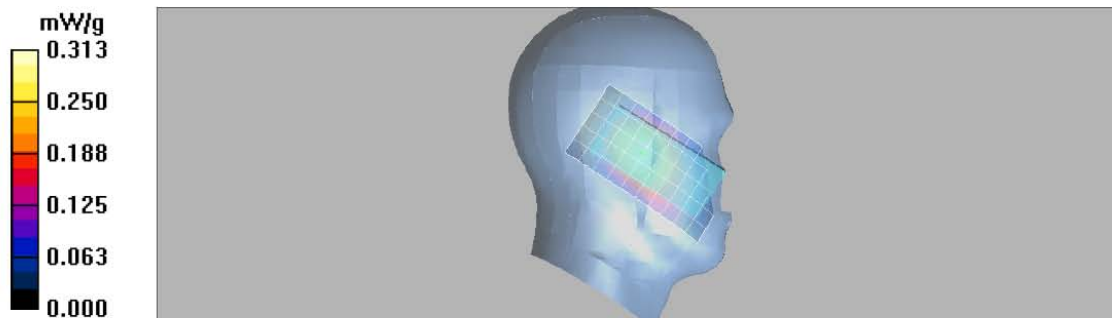
Reference Value = 19.3 V/m; Power Drift = -0.192 dB

Peak SAR (extrapolated) = 0.370 W/kg

SAR(1 g) = 0.289 mW/g; SAR(10 g) = 0.216 mW/g

Maximum value of SAR (measured) = 0.305 mW/g

Left Ear-15D Tilt position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm



Section 7.0
806-825MHz Band Assessment of frequency band edges of the offered antenna
(Section 13.2 Table 19)

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/3/2010 7:18:43 PM

Robot# / Run#: DASY4-FL-2 / CM-Lear-100903-15
 Phantom# / Tissue Temp.: SAMTP1022 / 19.8 (C)
 DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
 Antenna / TX Freq.: 85009280001 (Internal) / 824.9875 (MHz)
 Battery: SNN5851A w/NTN2597XXXXA
 Carry Acc. / Cable Acc.: None / None
 Start Power: 0.617 (W)

Note:

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

Reported SAR: 0.675 mW/g (1g); 0.473 mW/g (10g)

Comments: Full Scan; Touch

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; $\epsilon_r = 41$; $\rho = 1000$ kg/m³

Left Ear-Touch position/1-Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 27.3 V/m; Power Drift = -0.096 dB

Motorola Fast SAR: SAR(1 g) = 0.646 mW/g; SAR(10 g) = 0.444 mW/g

Maximum value of SAR (interpolated) = 0.693 mW/g

Left Ear-Touch position/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 27.3 V/m; Power Drift = -0.0993 dB

Peak SAR (extrapolated) = 0.703 W/kg

Motorola Fast SAR: SAR(1 g) = 0.664 mW/g; SAR(10 g) = 0.450 mW/g

Maximum value of SAR (interpolated) = 0.703 mW/g

Left Ear-Touch position/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 27.3 V/m; Power Drift = -0.0743 dB

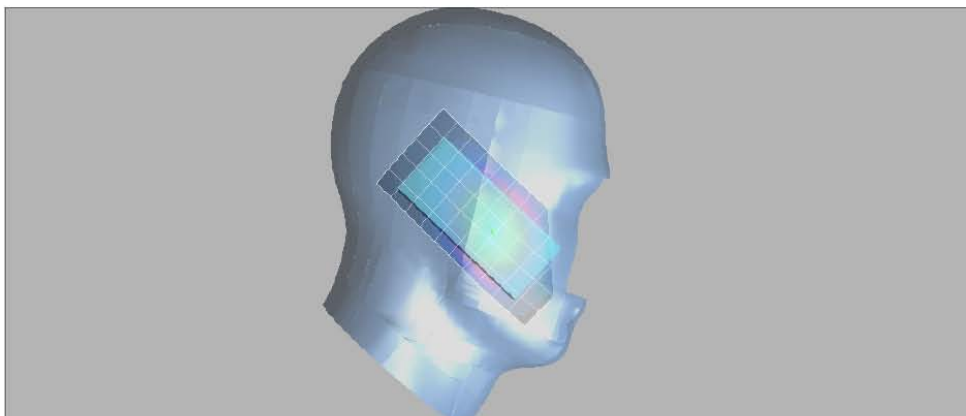
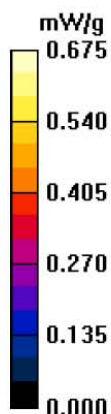
Peak SAR (extrapolated) = 0.898 W/kg

SAR(1 g) = 0.663 mW/g; SAR(10 g) = 0.468 mW/g

Maximum value of SAR (measured) = 0.717 mW/g

Left Ear-Touch position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.695 mW/g



Section 8.0
806-825MHz Band Assessment of the touch and tilt position
(Section 13.2 Table 20)
Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 9/3/2010 10:47:53 PM

Robot# / Run#: DASY4-FL-2 / CM-Rear-100903-20
Phantom# / Tissue Temp.: SAMTP1022 / 19.8 (C)
DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
Antenna / TX Freq.: 85009280001 (Internal) / 815.5125 (MHz)
Battery: SNN5851A w/ NTN2597XXXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.617 (W)

Note:

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

Reported SAR: 0.567 mW/g (1g); 0.402 mW/g (10g)

Comments: Full Scan; Touch

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; $\epsilon_r = 41$; $\rho = 1000$ kg/m³

Right Ear-Touch Position/1-Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 22.6 V/m; Power Drift = -0.0491 dB

Motorola Fast SAR: SAR(1 g) = 0.567 mW/g; SAR(10 g) = 0.390 mW/g

Maximum value of SAR (interpolated) = 0.609 mW/g

Right Ear-Touch Position/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 22.6 V/m; Power Drift = -0.0814 dB

Peak SAR (extrapolated) = 0.607 W/kg

Motorola Fast SAR: SAR(1 g) = 0.568 mW/g; SAR(10 g) = 0.389 mW/g

Maximum value of SAR (interpolated) = 0.607 mW/g

Right Ear-Touch Position/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 22.6 V/m; Power Drift = -0.159 dB

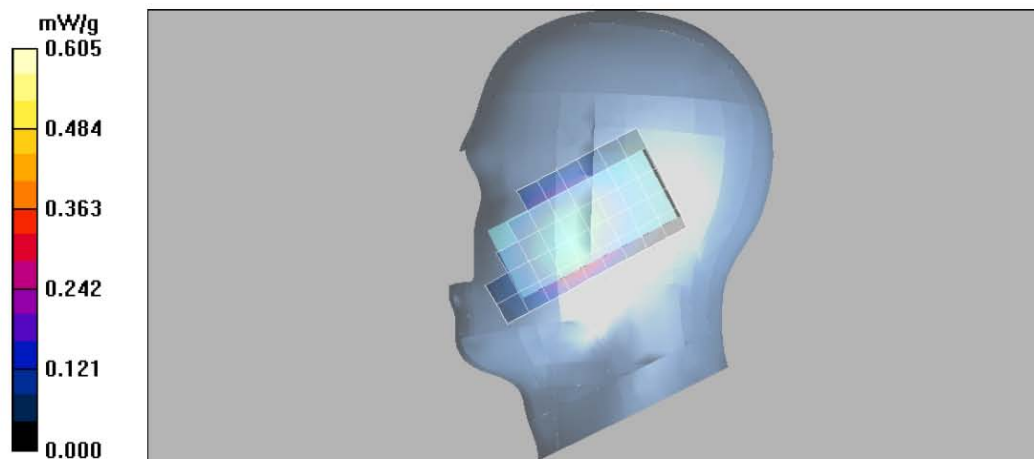
Peak SAR (extrapolated) = 0.716 W/kg

SAR(1 g) = 0.557 mW/g; SAR(10 g) = 0.398 mW/g

Maximum value of SAR (measured) = 0.593 mW/g

Right Ear-Touch Position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.578 mW/g



Section 9.0

806-825MHz Band Assessment of frequency band edges of the offered antenna (Section 13.2 Table 21)

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/5/2010 2:17:04 PM

Robot# / Run#: DASY4-FL-2 / MeC-Rear-100905-04
 Phantom# / Tissue Temp.: SAMTP1022 / 20.5 (C)
 DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
 Antenna / TX Freq.: 85009280001 (Internal) / 824.9875 (MHz)
 Battery: SNN5851A w/ NTN2597XXXXA
 Carry Acc. / Cable Acc.: None / None
 Start Power: 0.619 (W)

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

Reported SAR: 0.691 mW/g (1g); 0.487 mW/g (10g)

Comments: Full Scan; Touch

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; $\sigma = 0.89$ mho/m; $\epsilon_r = 41.6$; $\rho = 1000$ kg/m³

Right Ear-Touch Position/1-Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 22.4 V/m; Power Drift = 0.0212 dB

Motorola Fast SAR: SAR(1 g) = 0.660 mW/g; SAR(10 g) = 0.452 mW/g

Maximum value of SAR (interpolated) = 0.710 mW/g

Right Ear-Touch Position/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 22.4 V/m; Power Drift = 0.0503 dB

Peak SAR (extrapolated) = 0.717 W/kg

Motorola Fast SAR: SAR(1 g) = 0.674 mW/g; SAR(10 g) = 0.461 mW/g

Maximum value of SAR (interpolated) = 0.717 mW/g

Right Ear-Touch Position/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 22.4 V/m; Power Drift = 0.129 dB

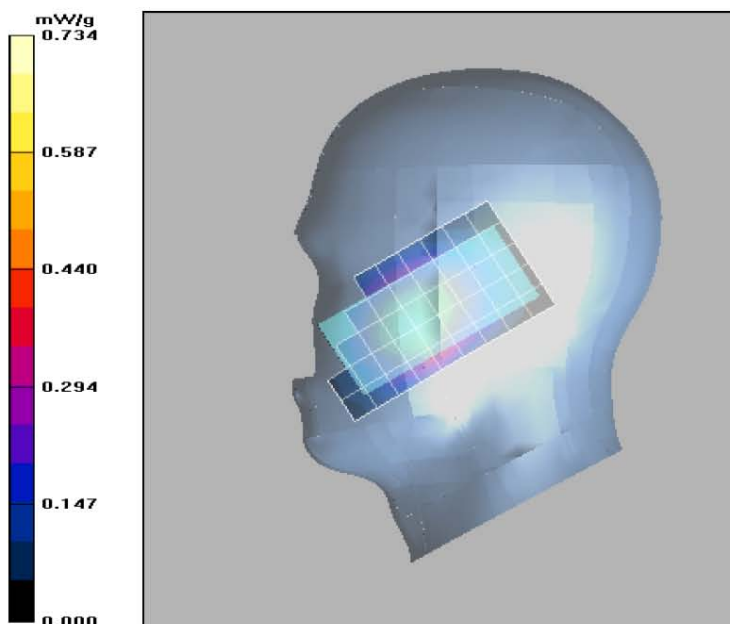
Peak SAR (extrapolated) = 0.923 W/kg

SAR(1 g) = 0.687 mW/g; SAR(10 g) = 0.485 mW/g

Maximum value of SAR (measured) = 0.753 mW/g

Right Ear-Touch Position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.734 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: 9/5/2010 4:27:50 PM

Robot# / Run#: DASY4-FL-2 / MeC-Face-100905-08
Phantom# / Tissue Temp.: SAMTP1022 / 20.3 (C)
DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
Antenna / TX Freq.: 85009280001 (Internal) / 815.5125 (MHz)
Battery: SNN5851A w/ NTN2597xxxA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.620 (W)

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

Reported SAR: 0.139 mW/g (1g); 0.101 mW/g (10g)

Comments: Full Scan; 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: 1:6, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 41.6$; $\rho = 1000$ kg/m³

Face Scan/1-Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 11.8 V/m; Power Drift = -0.0736 dB

Motorola Fast SAR: SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.097 mW/g

Maximum value of SAR (interpolated) = 0.144 mW/g

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

Reference Value = 11.8 V/m; Power Drift = 0.0199 dB

Peak SAR (extrapolated) = 0.146 W/kg

Motorola Fast SAR: SAR(1 g) = 0.137 mW/g; SAR(10 g) = 0.097 mW/g

Maximum value of SAR (interpolated) = 0.146 mW/g

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

Reference Value = 11.8 V/m; Power Drift = -0.0674 dB

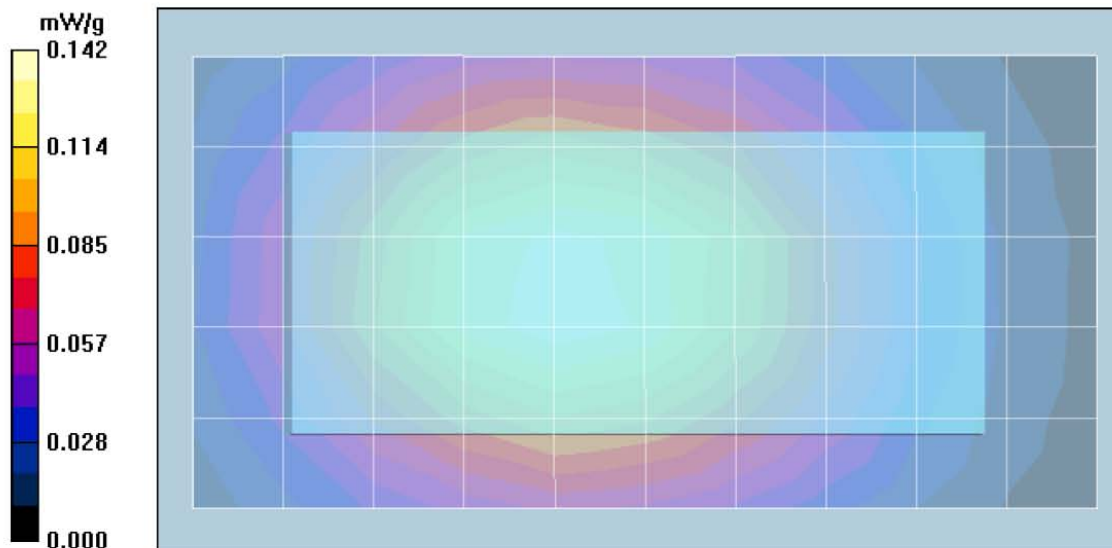
Peak SAR (extrapolated) = 0.187 W/kg

SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.101 mW/g

Maximum value of SAR (measured) = 0.146 mW/g

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

Maximum value of SAR (measured) = 0.142 mW/g



Section 11.0

806-825MHz Band Assessment of frequency band edges of the offered antenna (Section 13.2 Table 23)

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/5/2010 5:21:49 PM

Robot# / Run#: DASY4-FL-2 / MeC-Face-100905-10
Phantom# / Tissue Temp.: SAMTP1022 / 20.5 (C)
DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
Antenna / TX Freq.: 85009280001 (Internal) / 824.9875 (MHz)
Battery: SNN5851A w/ NTN2597xxxA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.615 (W)

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

Reported SAR: 0.152 mW/g (1g); 0.111 mW/g (10g)

Comments: Full Scan; 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: 1:6, Medium parameters used: $f = 815.5$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 41.6$; $\rho = 1000$ kg/m³

Face Scan/1-Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 12.2 V/m; Power Drift = 0.0508 dB

Motorola Fast SAR: SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.107 mW/g

Maximum value of SAR (interpolated) = 0.158 mW/g

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

Reference Value = 12.2 V/m; Power Drift = 0.0399 dB

Peak SAR (extrapolated) = 0.160 W/kg

Motorola Fast SAR: SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.107 mW/g

Maximum value of SAR (interpolated) = 0.160 mW/g

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

Reference Value = 12.2 V/m; Power Drift = 0.120 dB

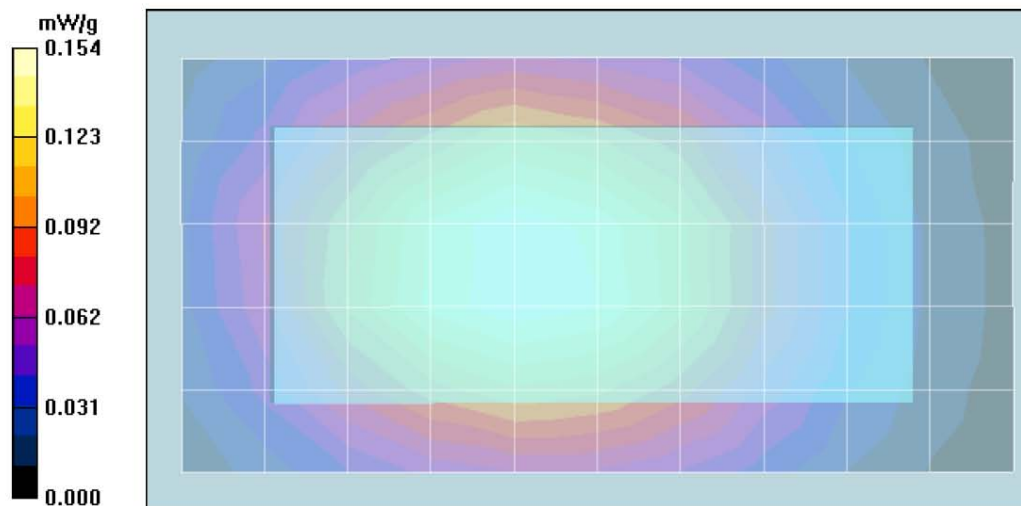
Peak SAR (extrapolated) = 0.202 W/kg

SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.111 mW/g

Maximum value of SAR (measured) = 0.162 mW/g

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

Maximum value of SAR (measured) = 0.154 mW/g



Section 12.0
896-902MHz Band Assessment of the offered batteries
(Section 13.4 Table 24)
Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 9/7/2010 6:42:50 PM

Robot# / Run#: DASY4-FL-2 / CM-Ab-100907-17
Phantom# / Tissue Temp.: OVAL1021 / 20.0 (C)
DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
Antenna / TX Freq.: 85009280001(internal) / 898.99375 (MHz)
Battery: SNN5837A w/ NTN3000XXXA
Carry Acc. / Cable Acc.: NNTN7900A / None
Start Power: .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 SAR: 0.966 mW/g (1g); 0.695 mW/g (10g)

Comments:

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

Electronics: DAE3 Sn374, Calibrated: 4/15/2010

Duty Cycle: 1:1.5, Medium parameters used: $f = 899$ MHz; $\sigma = 1.07$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 32.3 V/m; Power Drift = -0.159 dB

Motorola Fast SAR: SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.752 mW/g

Maximum value of SAR (interpolated) = 1.15 mW/g

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

Reference Value = 32.3 V/m; Power Drift = -0.258 dB

Peak SAR (extrapolated) = 1.08 W/kg

Motorola Fast SAR: SAR(1 g) = 1 mW/g; SAR(10 g) = 0.701 mW/g

Maximum value of SAR (interpolated) = 1.08 mW/g

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

Reference Value = 32.3 V/m; Power Drift = -0.436 dB

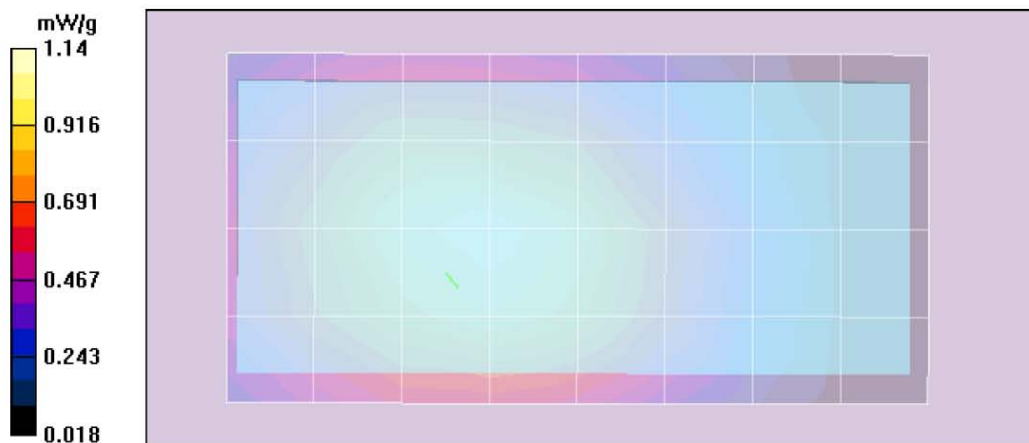
Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.966 mW/g; SAR(10 g) = 0.695 mW/g

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

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

Maximum value of SAR (measured) = 1.02 mW/g



Section 13.0

896-902MHz Band Assessment of the offered data/audio cable (Section 13.4 Table 25)

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/15/2010 9:26:35 AM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100915-03
 Phantom# / Tissue Temp.: OVAL1021 / 20.6 (C)
 DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
 Antenna / TX Freq.: 85009280001 (Internal) / 898.99375 (MHz)
 Battery: SNN5837A w/ NTN3000XXXA
 Carry Acc. / Cable Acc.: NNTN7900A / SKN6238A
 Start Power: 0.645 (W)

Note:

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

Reported SAR: 0.580 mW/g (1g); 0.424 mW/g (10g)

Comments: Full Scan

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

Electronics: DAE3 Sn374, Calibrated: 4/15/2010

Duty Cycle: 1:1.5, Medium parameters used: $f = 899$ MHz; $\sigma = 1.06$ mho/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 23.9 V/m; Power Drift = -0.086 dB

Motorola Fast SAR: SAR(1 g) = 0.618 mW/g; SAR(10 g) = 0.434 mW/g

Maximum value of SAR (interpolated) = 0.653 mW/g

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

Reference Value = 23.9 V/m; Power Drift = -0.127 dB

Peak SAR (extrapolated) = 0.660 W/kg

Motorola Fast SAR: SAR(1 g) = 0.609 mW/g; SAR(10 g) = 0.421 mW/g

Maximum value of SAR (interpolated) = 0.660 mW/g

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

Reference Value = 23.9 V/m; Power Drift = -0.243 dB

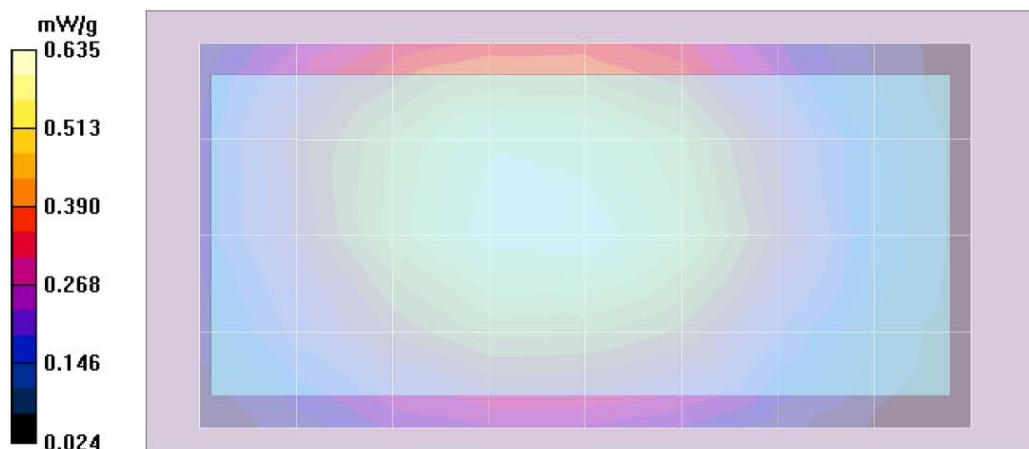
Peak SAR (extrapolated) = 0.818 W/kg

SAR(1 g) = 0.580 mW/g; SAR(10 g) = 0.424 mW/g

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

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

Maximum value of SAR (measured) = 0.539 mW/g



Section 14.0
896-902MHz Band Assessment of frequency band edges of the offered antenna
(Section 13.4 Table 26)

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/7/2010 10:00:09 PM

Robot# / Run#: DASY4-FL-2 / CM-Ab-100907-23
 Phantom# / Tissue Temp.: OVAL1021 / 19.9 (C)
 DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
 Antenna / TX Freq.: 85009280001(internal) / 901.98125 (MHz)
 Battery: SNN5837A w/ NTN3000XXXA
 Carry Acc. / Cable Acc.: NNTN7900A / None
 Start Power: .669 (W)

Note:

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

Reported SAR: 0.706 mW/g (1g); 0.511 mW/g (10g)

Comments:

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

Electronics: DAE3 Sn374, Calibrated: 4/15/2010

Duty Cycle: 1:1.5, Medium parameters used: $f = 899$ MHz; $\sigma = 1.07$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 27.3 V/m; Power Drift = -0.0807 dB

Motorola Fast SAR: SAR(1 g) = 0.750 mW/g; SAR(10 g) = 0.522 mW/g

Maximum value of SAR (interpolated) = 0.798 mW/g

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

Reference Value = 27.3 V/m; Power Drift = -0.200 dB

Peak SAR (extrapolated) = 0.779 W/kg

Motorola Fast SAR: SAR(1 g) = 0.723 mW/g; SAR(10 g) = 0.508 mW/g

Maximum value of SAR (interpolated) = 0.779 mW/g

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

Reference Value = 27.3 V/m; Power Drift = -0.244 dB

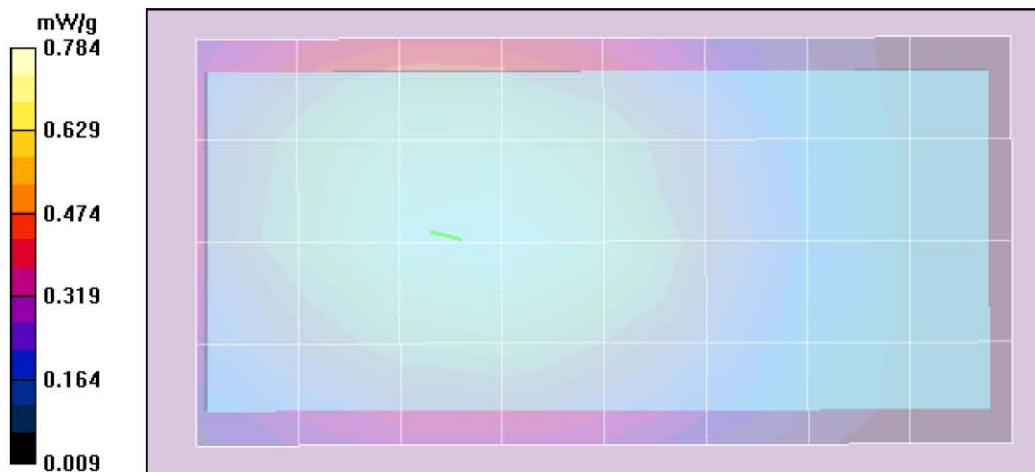
Peak SAR (extrapolated) = 0.971 W/kg

SAR(1 g) = 0.706 mW/g; SAR(10 g) = 0.511 mW/g

Maximum value of SAR (measured) = 0.757 mW/g

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

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



Section 15.0
896-902MHz Band Assessment without body worn accessory at 2.5cm
(Section 13.4 Table 27)
Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 9/7/2010 10:36:40 PM

Robot# / Run#: DASY4-FL-2 / CM-Ab-100907-24
Phantom# / Tissue Temp.: OVAL1021 / 20.0 (C)
DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
Antenna / TX Freq.: 85009280001(internal) / 898.99375 (MHz)
Battery: SNN5837A w/ NTN3000XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: .650 (W)

Note:

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

Reported SAR: 0.561 mW/g (1g); 0.411 mW/g (10g)

Comments: Back of device at 2.5cm (slide closed).

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

Electronics: DAE3 Sn374, Calibrated: 4/15/2010

Duty Cycle: 1:1.5, Medium parameters used: $f = 899$ MHz; $\sigma = 1.07$ mho/m; $\epsilon_r = 52.5$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 24.8 V/m; Power Drift = -0.222 dB

Motorola Fast SAR: SAR(1 g) = 0.630 mW/g; SAR(10 g) = 0.441 mW/g

Maximum value of SAR (interpolated) = 0.668 mW/g

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

Reference Value = 24.8 V/m; Power Drift = -0.281 dB

Peak SAR (extrapolated) = 0.633 W/kg

Motorola Fast SAR: SAR(1 g) = 0.589 mW/g; SAR(10 g) = 0.409 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 (interpolated) = 0.633 mW/g

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

Reference Value = 24.8 V/m; Power Drift = -0.341 dB

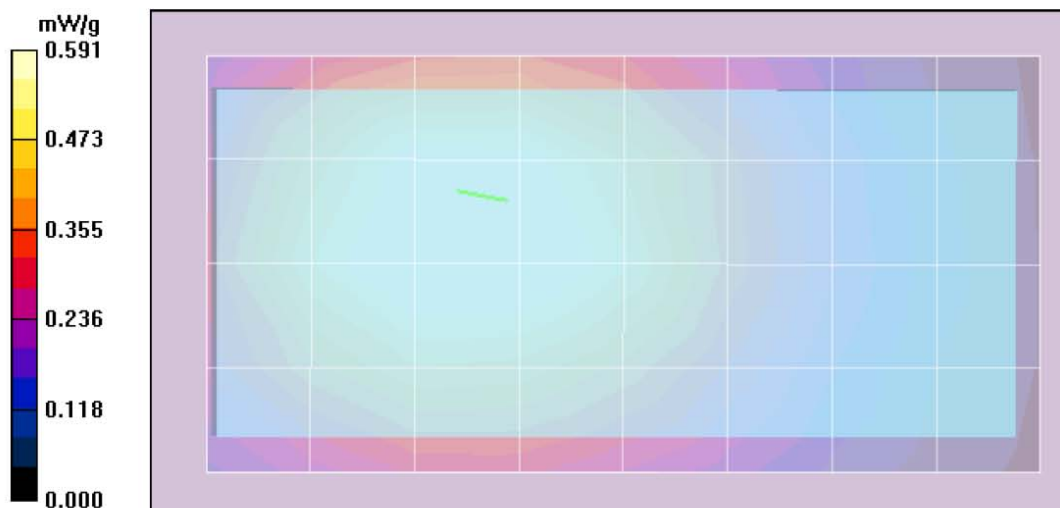
Peak SAR (extrapolated) = 0.737 W/kg

SAR(1 g) = 0.561 mW/g; SAR(10 g) = 0.411 mW/g

Maximum value of SAR (measured) = 0.594 mW/g

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

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



Section 16.0
896-902MHz Band Assessment of the offered batteries
(Section 13.4 Table 28)
Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 9/3/2010 2:05:21 PM

Robot# / Run#: DASY4-FL-2 / JsT-Lear-100903-07
Phantom# / Tissue Temp.: SAMTP1022 / 19.8 (C)
DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
Antenna / TX Freq.: 85009280001 (Internal) / 898.99375 (MHz)
Battery: SNN5837A w/ NTN3000XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.630 (W)

Note:

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

Reported SAR: 0.702 mW/g (1g); 0.481 mW/g (10g)

Comments: Full Scan; Touch

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; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³

Left Ear-Touch position/1-Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 27.2 V/m; Power Drift = -0.187 dB

Motorola Fast SAR: SAR(1 g) = 0.731 mW/g; SAR(10 g) = 0.488 mW/g

Maximum value of SAR (interpolated) = 0.798 mW/g

Left Ear-Touch position/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 27.2 V/m; Power Drift = -0.328 dB

Peak SAR (extrapolated) = 0.802 W/kg

Motorola Fast SAR: SAR(1 g) = 0.742 mW/g; SAR(10 g) = 0.490 mW/g

Maximum value of SAR (interpolated) = 0.802 mW/g

Left Ear-Touch position/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 27.2 V/m; Power Drift = -0.424 dB

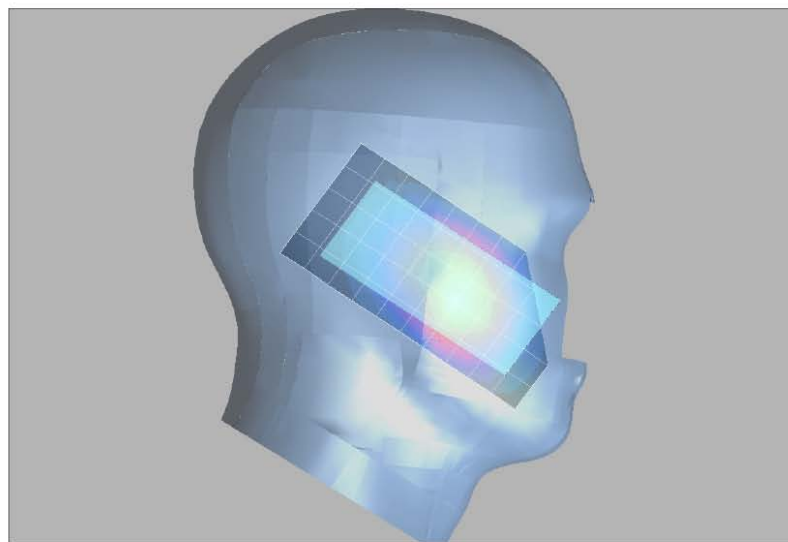
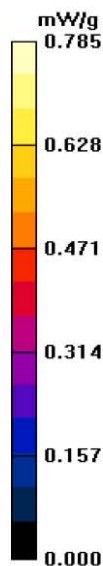
Peak SAR (extrapolated) = 0.964 W/kg

SAR(1 g) = 0.702 mW/g; SAR(10 g) = 0.481 mW/g

Maximum value of SAR (measured) = 0.742 mW/g

Left Ear-Touch position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.726 mW/g



Section 17.0
896-902MHz Band Assessment of the tilt position
(Section 13.4 Table 29)
Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 9/3/2010 3:25:12 PM

Robot# / Run#: DASY4-FL-2 / JsT-Lear-100903-08
Phantom# / Tissue Temp.: SAMTP1022 / 19.9 (C)
DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
Antenna / TX Freq.: 85009280001 (Internal) / 898.99375 (MHz)
Battery: SNN5837A w/ NTN3000XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.635 (W)

Note:

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

Reported SAR: 0.503 mW/g (1g); 0.364 mW/g (10g)

Comments: Full Scan; Tilt

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; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³

Left Ear-15D Tilt position/1-Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 24.2 V/m; Power Drift = -0.163 dB

Motorola Fast SAR: SAR(1 g) = 0.513 mW/g; SAR(10 g) = 0.357 mW/g

Maximum value of SAR (interpolated) = 0.544 mW/g

Left Ear-15D Tilt position/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 24.2 V/m; Power Drift = -0.243 dB

Peak SAR (extrapolated) = 0.547 W/kg

Motorola Fast SAR: SAR(1 g) = 0.510 mW/g; SAR(10 g) = 0.351 mW/g

Maximum value of SAR (interpolated) = 0.547 mW/g

Left Ear-15D Tilt position/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 24.2 V/m; Power Drift = -0.290 dB

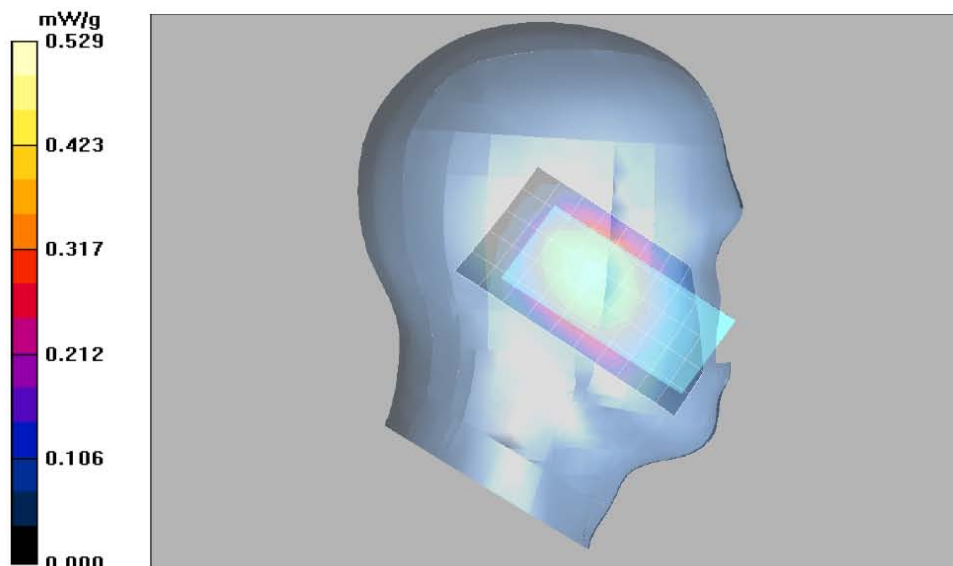
Peak SAR (extrapolated) = 0.655 W/kg

SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.364 mW/g

Maximum value of SAR (measured) = 0.530 mW/g

Left Ear-15D Tilt position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.526 mW/g



Section 18.0
896-902MHz Band Assessment of frequency band edges of the offered antenna
(Section 13.4 Table 30)

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/3/2010 3:58:40 PM

Robot# / Run#: DASY4-FL-2 / JsT-Lear-100903-09
 Phantom# / Tissue Temp.: SAMTP1022 / 20.0 (C)
 DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
 Antenna / TX Freq.: 85009280001 (Internal) / 896.01875 (MHz)
 Battery: SNN5837A w/ NTN3000XXXXA
 Carry Acc. / Cable Acc.: None / None
 Start Power: 0.632 (W)

Note:

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

Reported SAR: 0.776 mW/g (1g); 0.532 mW/g (10g)

Comments: Full Scan; Touch

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; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³

Left Ear-Touch position/1-Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 27.9 V/m; Power Drift = -0.203 dB

Motorola Fast SAR: SAR(1 g) = 0.781 mW/g; SAR(10 g) = 0.520 mW/g

Maximum value of SAR (interpolated) = 0.854 mW/g

Left Ear-Touch position/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 27.9 V/m; Power Drift = -0.254 dB

Peak SAR (extrapolated) = 0.857 W/kg

Motorola Fast SAR: SAR(1 g) = 0.795 mW/g; SAR(10 g) = 0.526 mW/g

Maximum value of SAR (interpolated) = 0.857 mW/g

Left Ear-Touch position/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 27.9 V/m; Power Drift = -0.321 dB

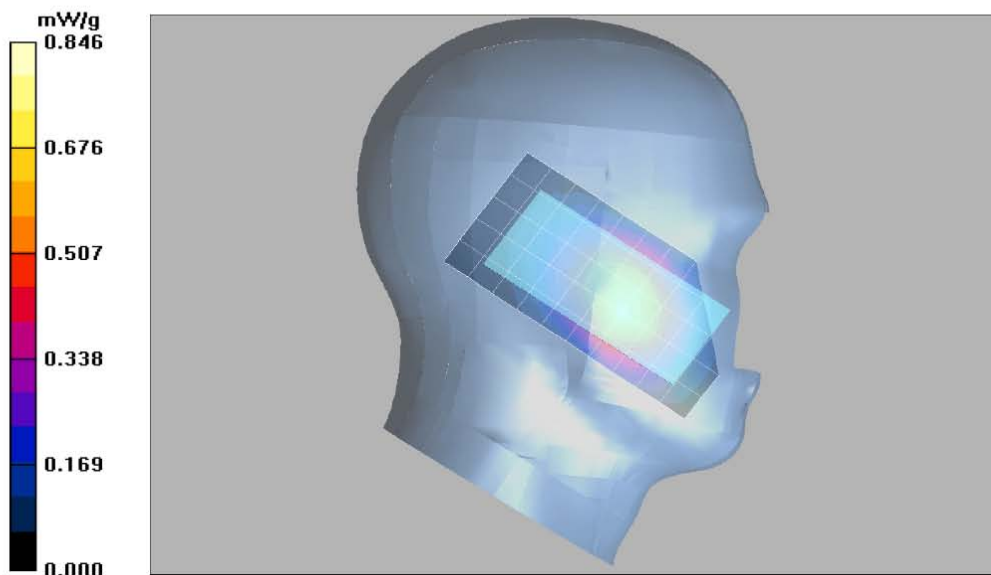
Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.776 mW/g; SAR(10 g) = 0.532 mW/g

Maximum value of SAR (measured) = 0.825 mW/g

Left Ear-Touch position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.822 mW/g



Section 19.0
896-902MHz Band Assessment of the touch and tilt position
(Section 13.4 Table 31)
Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 9/3/2010 8:21:33 PM

Robot# / Run#: DASY4-FL-2 / CM-Rear-100903-16
Phantom# / Tissue Temp.: SAMTP1022 / 19.8 (C)
DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
Antenna / TX Freq.: 85009280001 (Internal) / 898.99375 (MHz)
Battery: SNN5837A w/ NTN3000XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.638 (W)

Note:

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

Reported SAR: 0.616 mW/g (1g); 0.424 mW/g (10g)

Comments: Full Scan; Touch

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; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³

Right Ear-Touch Position/1-Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 20.0 V/m; Power Drift = -0.0261 dB

Motorola Fast SAR: SAR(1 g) = 0.603 mW/g; SAR(10 g) = 0.407 mW/g

Maximum value of SAR (interpolated) = 0.654 mW/g

Right Ear-Touch Position/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 20.0 V/m; Power Drift = -0.0468 dB

Peak SAR (extrapolated) = 0.651 W/kg

Motorola Fast SAR: SAR(1 g) = 0.609 mW/g; SAR(10 g) = 0.409 mW/g

Maximum value of SAR (interpolated) = 0.651 mW/g

Right Ear-Touch Position/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 20.0 V/m; Power Drift = -0.120 dB

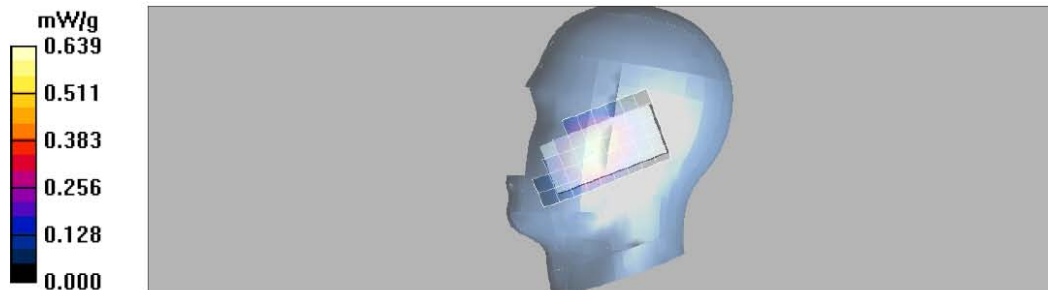
Peak SAR (extrapolated) = 0.845 W/kg

SAR(1 g) = 0.616 mW/g; SAR(10 g) = 0.424 mW/g

Maximum value of SAR (measured) = 0.675 mW/g

Right Ear-Touch Position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.666 mW/g



Section 20.0

896-902MHz Band Assessment of frequency band edges of the offered antenna (Section 13.4 Table 32)

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/3/2010 9:39:06 PM

Robot# / Run#: DASY4-FL-2 / CM-Rear-100903-18
Phantom# / Tissue Temp.: SAMTP1022 / 19.8 (C)
DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
Antenna / TX Freq.: 85009280001 (Internal) / 896.01875 (MHz)
Battery: SNN5837A w/ NTN3000XXXA
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 SAR: 0.811 mW/g (1g); 0.557 mW/g (10g)

Comments: Full Scan; Touch

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; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³

Right Ear-Touch Position/1-Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 24.8 V/m; Power Drift = -0.172 dB

Motorola Fast SAR: SAR(1 g) = 0.834 mW/g; SAR(10 g) = 0.554 mW/g

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

Right Ear-Touch Position/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 24.8 V/m; Power Drift = -0.234 dB

Peak SAR (extrapolated) = 0.877 W/kg

Motorola Fast SAR: SAR(1 g) = 0.815 mW/g; SAR(10 g) = 0.543 mW/g

Maximum value of SAR (interpolated) = 0.877 mW/g

Right Ear-Touch Position/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 24.8 V/m; Power Drift = -0.289 dB

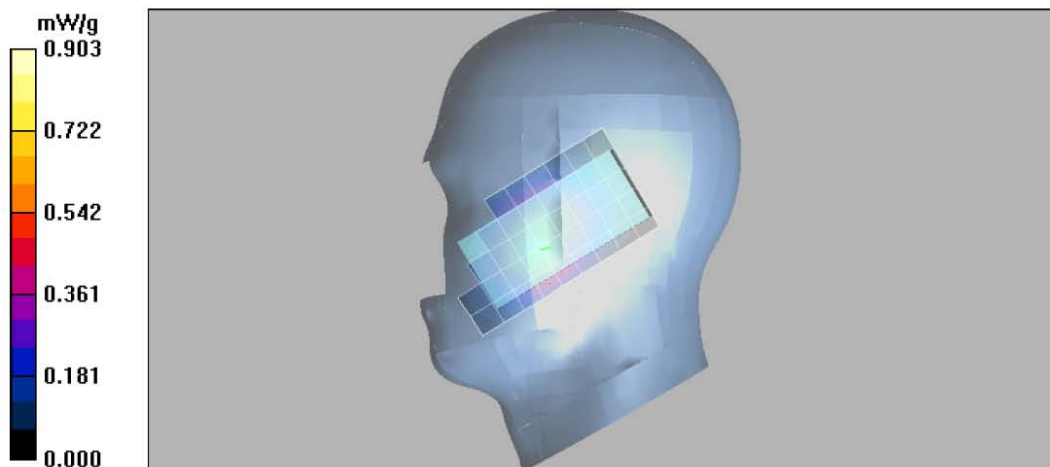
Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.811 mW/g; SAR(10 g) = 0.557 mW/g

Maximum value of SAR (measured) = 0.864 mW/g

Right Ear-Touch Position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.820 mW/g



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: 9/9/2010 10:06:52 AM

Robot# / Run#: DASY4-FL-2 / JsT-Face-100909-04
Phantom# / Tissue Temp.: SAMTP1022 / 21.0 (C)
DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
Antenna / TX Freq.: 85009280001 (Internal) / 898.99375 (MHz)
Battery: SNN5837A w/ NTN3000XXXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.632 (W)

Note:

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

Reported SAR: 0.148 mW/g (1g); 0.105 mW/g (10g)

Comments: Full Scan; Front of DUT @ 2.5 cm. (Slide Closed);
Tested with Volume 2D/Zoom Extents set to 45mm.

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

Electronics: DAE3 Sn374, Calibrated: 4/15/2010

Duty Cycle: 1:6, Medium parameters used: $f = 899$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

Face Scan/1-Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 12.8 V/m; Power Drift = 0.0524 dB

Motorola Fast SAR: SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.105 mW/g

Maximum value of SAR (interpolated) = 0.156 mW/g

Face Scan/2-Volume 2D Scan (61x61x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 12.8 V/m; Power Drift = -0.111 dB

Peak SAR (extrapolated) = 0.155 W/kg

Motorola Fast SAR: SAR(1 g) = 0.147 mW/g; SAR(10 g) = 0.105 mW/g

Maximum value of SAR (interpolated) = 0.155 mW/g

Face Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

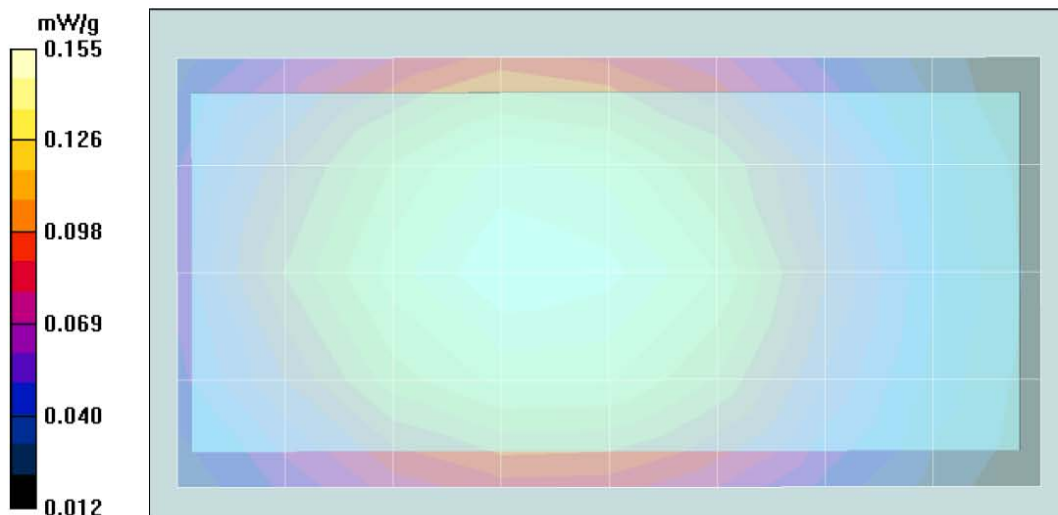
Reference Value = 12.8 V/m; Power Drift = -0.0627 dB

Peak SAR (extrapolated) = 0.203 W/kg

SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.104 mW/g

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

Maximum value of SAR (measured) = 0.151 mW/g



Section 22.0

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

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/9/2010 10:48:39 AM

Robot# / Run#: DASY4-FL-2 / JsT-Face-100909-05
Phantom# / Tissue Temp.: SAMTP1022 / 20.9 (C)
DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
Antenna / TX Freq.: 85009280001 (Internal) / 896.01875 (MHz)
Battery: SNN5837A w/ NTN3000XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.627 (W)

Note:

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

Reported SAR: 0.151 mW/g (1g); 0.109 mW/g (10g)

Comments: Full Scan; Front of DUT @ 2.5 cm. (Slide Closed);
Tested with Volume 2D/Zoom Extents set to 45mm.

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

Electronics: DAE3 Sn374, Calibrated: 4/15/2010

Duty Cycle: 1:6, Medium parameters used: $f = 899$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

Face Scan/1-Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 13.2 V/m; Power Drift = -0.0688 dB

Motorola Fast SAR: SAR(1 g) = 0.152 mW/g; SAR(10 g) = 0.109 mW/g

Maximum value of SAR (interpolated) = 0.161 mW/g

Face Scan/2-Volume 2D Scan (61x61x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm

Reference Value = 13.2 V/m; Power Drift = -0.166 dB

Peak SAR (extrapolated) = 0.163 W/kg

Motorola Fast SAR: SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.109 mW/g

Maximum value of SAR (interpolated) = 0.163 mW/g

Face Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.2 V/m; Power Drift = -0.216 dB

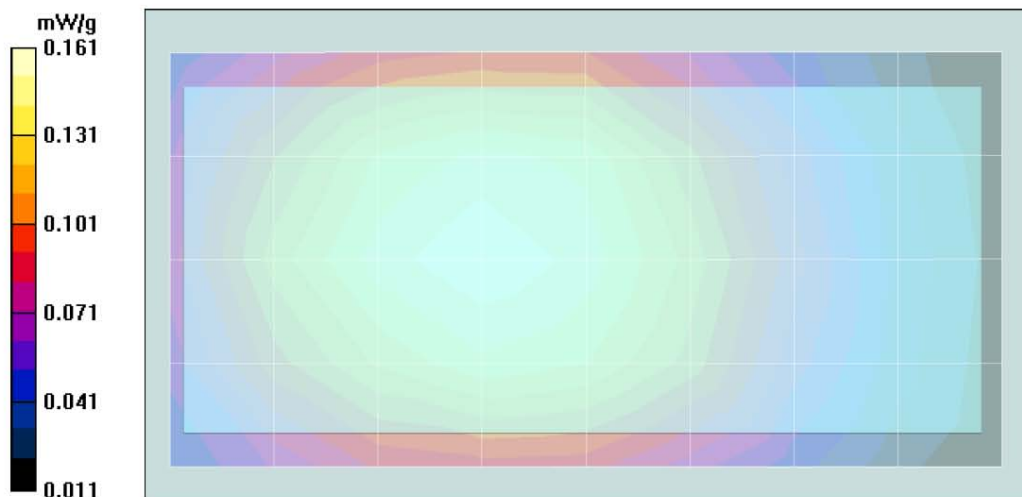
Peak SAR (extrapolated) = 0.202 W/kg

SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.108 mW/g

Maximum value of SAR (measured) = 0.157 mW/g

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

Maximum value of SAR (measured) = 0.157 mW/g



Section 23.0
MOTotalk Assessment of the offered batteries
(Section 13.6 Table 35)
Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 9/8/2010 10:14:05 AM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100908-05
 Phantom# / Tissue Temp.: OVAL1021 / 20.3 (C)
 DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
 Antenna / TX Freq.: 85009280001 (Internal) / 915.5250 (MHz)
 Battery: SNN5837A w/ NTN3000XXXA
 Carry Acc. / Cable Acc.: NNTN7900A / SYN1458A
 Start Power: 0.775 (W)

Note:

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

Reported SAR: 1.25 mW/g (1g); 0.896 mW/g (10g)

Comments: Full Scan

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

Electronics: DAE3 Sn374, Calibrated: 4/15/2010

Duty Cycle: 1:1.05, Medium parameters used: $f = 915$ MHz; $\sigma = 1.07$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 34.0 V/m; Power Drift = 0.0771 dB

Motorola Fast SAR: SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.862 mW/g

Maximum value of SAR (interpolated) = 1.30 mW/g

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

Reference Value = 34.0 V/m; Power Drift = 0.0918 dB

Peak SAR (extrapolated) = 1.31 W/kg

Motorola Fast SAR: SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.868 mW/g

Maximum value of SAR (interpolated) = 1.31 mW/g

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

Reference Value = 34.0 V/m; Power Drift = 0.114 dB

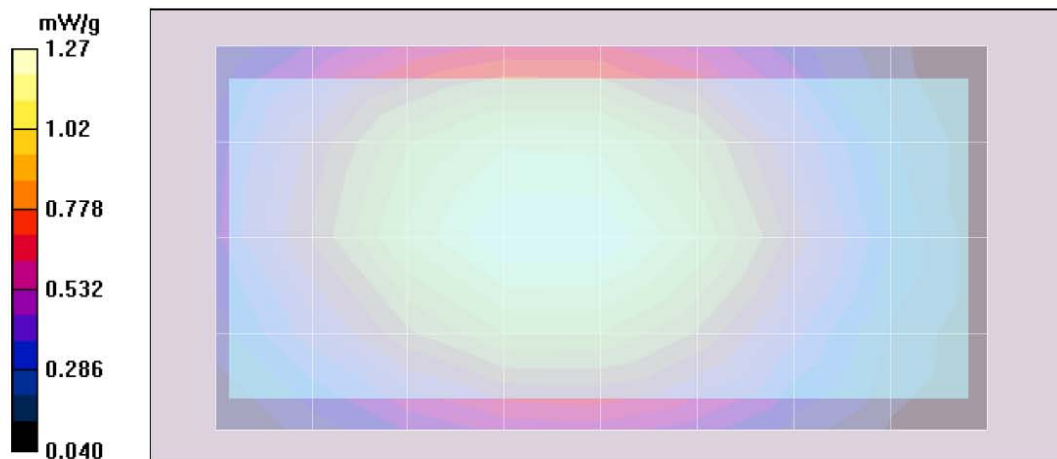
Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.896 mW/g

Maximum value of SAR (measured) = 1.32 mW/g

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

Maximum value of SAR (measured) = 1.33 mW/g



Section 24.0
MOTotalk Assessment of the offered audio accessories
(Section 13.6 Table 36)
Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 9/8/2010 10:50:59 AM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100908-06
Phantom# / Tissue Temp.: OVAL1021 / 20.3 (C)
DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
Antenna / TX Freq.: 85009280001 (Internal) / 915.5250 (MHz)
Battery: SNN5837A w/ NTN3000XXXXA
Carry Acc. / Cable Acc.: NNTN7900A / SYN1472A
Start Power: 0.772 (W)

Note:

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

Reported SAR: 1.10 mW/g (1g); 0.792 mW/g (10g)

Comments: Full Scan

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

Electronics: DAE3 Sn374, Calibrated: 4/15/2010

Duty Cycle: 1:1.05, Medium parameters used: $f = 915$ MHz; $\sigma = 1.07$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 32.4 V/m; Power Drift = 0.0891 dB

Motorola Fast SAR: SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.758 mW/g

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

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

Reference Value = 32.4 V/m; Power Drift = 0.116 dB

Peak SAR (extrapolated) = 1.17 W/kg

Motorola Fast SAR: SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.767 mW/g

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

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

Reference Value = 32.4 V/m; Power Drift = 0.154 dB

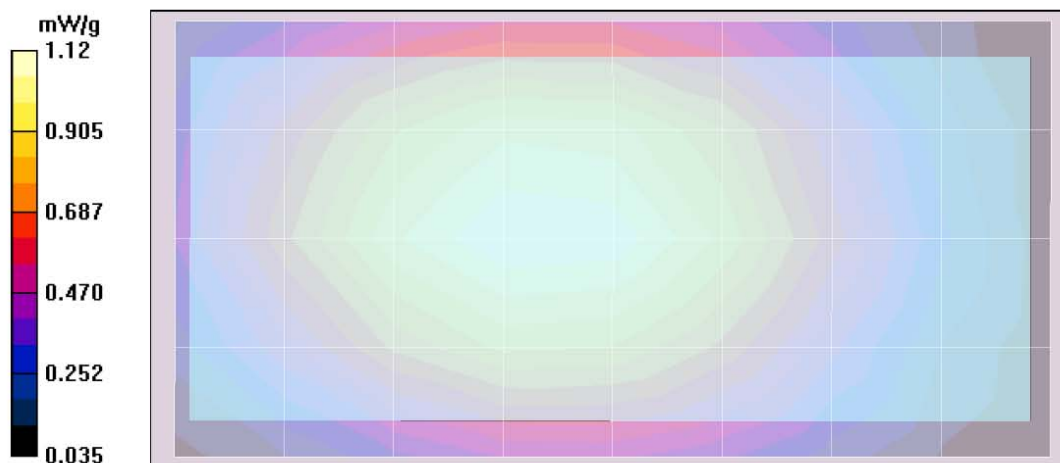
Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.792 mW/g

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

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

Maximum value of SAR (measured) = 1.18 mW/g



Section 25.0

MOTOtalk Assessment of frequency band edges of the offered antenna (Section 13.6 Table 37)

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/8/2010 11:52:54 AM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100908-08
Phantom# / Tissue Temp.: OVAL1021 / 20.1 (C)
DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
Antenna / TX Freq.: 85009280001 (Internal) / 902.5250 (MHz)
Battery: SNN5837A w/ NTN3000XXXA
Carry Acc. / Cable Acc.: NNTN7900A / SYN1458A
Start Power: 0.770 (W)

Note:

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

Reported SAR: 1.27 mW/g (1g); 0.915 mW/g (10g)

Comments: Full Scan

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

Electronics: DAE3 Sn374, Calibrated: 4/15/2010

Duty Cycle: 1:1.05, Medium parameters used: $f = 915$ MHz; $\sigma = 1.07$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 34.7 V/m; Power Drift = 0.0636dB

Motorola Fast SAR: SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.871 mW/g

Maximum value of SAR (interpolated) = 1.30 mW/g

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

Reference Value = 34.7 V/m; Power Drift = 0.0763 dB

Peak SAR (extrapolated) = 1.32 W/kg

Motorola Fast SAR: SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.885 mW/g

Maximum value of SAR (interpolated) = 1.32 mW/g

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

Reference Value = 34.7 V/m; Power Drift = 0.110 dB

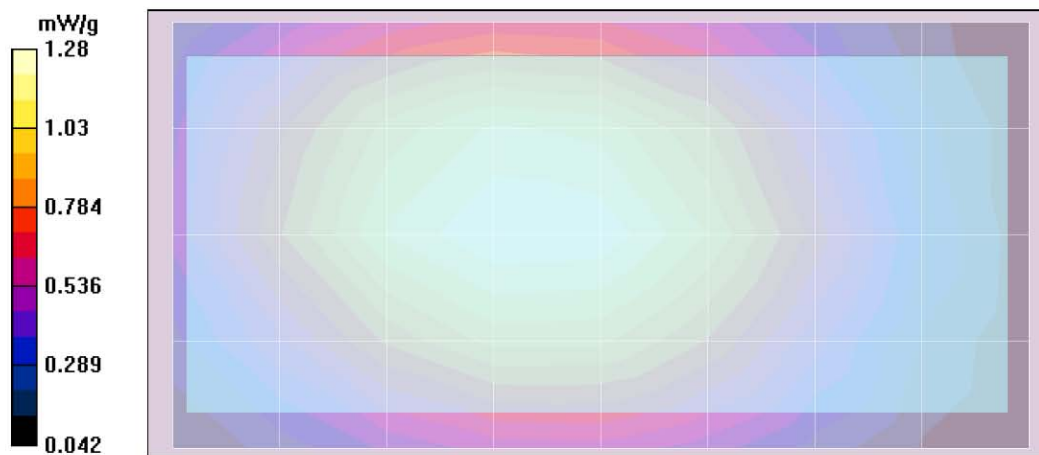
Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.915 mW/g

Maximum value of SAR (measured) = 1.34 mW/g

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

Maximum value of SAR (measured) = 1.34 mW/g



Section 26.0
MOTotalk Assessment without body worn accessory at 2.5cm
(Section 13.6 Table 38)
Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 9/8/2010 12:59:39 PM

Robot# / Run#: DASY4-FL-2 / JsT-Ab-100908-10
Phantom# / Tissue Temp.: OVAL1021 / 20.0 (C)
DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
Antenna / TX Freq.: 85009280001 (Internal) / 902.5250 (MHz)
Battery: SNN5837A w/ NTN3000XXXXA
Carry Acc. / Cable Acc.: None / SYN1458A
Start Power: 0.778 (W)

Note:

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

Reported SAR: 1.37 mW/g (1g); 0.990 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: DAE3 Sn374, Calibrated: 4/15/2010

Duty Cycle: 1:1.05, Medium parameters used: $f = 915$ MHz; $\sigma = 1.07$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Ab Scan/1-Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 37.0 V/m; Power Drift = 0.0252 dB

Motorola Fast SAR: SAR(1 g) = 1.36 mW/g; SAR(10 g) = 0.964 mW/g

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

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

Reference Value = 37.0 V/m; Power Drift = 0.039 dB

Peak SAR (extrapolated) = 1.44 W/kg

Motorola Fast SAR: SAR(1 g) = 1.37 mW/g; SAR(10 g) = 0.968 mW/g

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

Reference Value = 37.0 V/m; Power Drift = 0.0267 dB

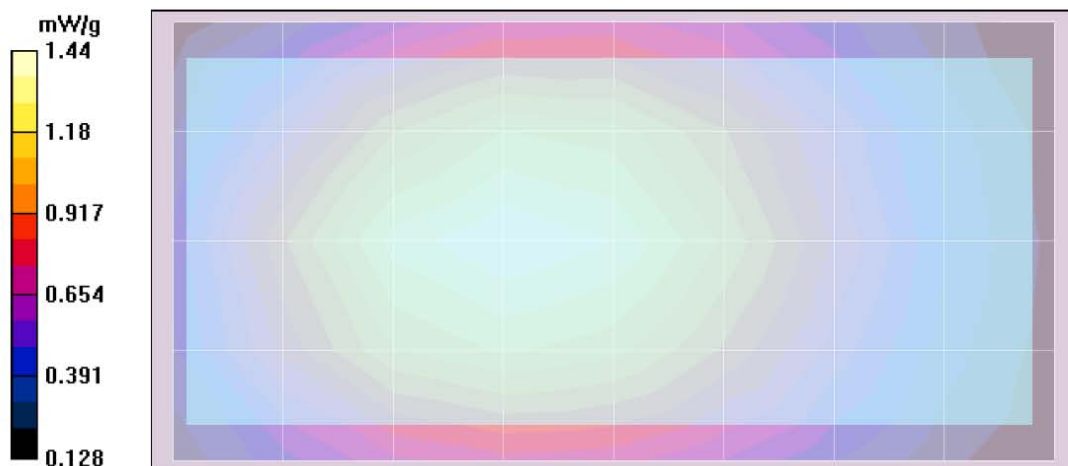
Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 1.37 mW/g; SAR(10 g) = 0.990 mW/g

Maximum value of SAR (measured) = 1.46 mW/g

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

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



Section 27.0
MOTotalk Assessment of the offered batteries
(Section 13.6 Table 39)
Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 9/9/2010 1:17:21 PM

Robot# / Run#: DASY4-FL-2 / JsT-Face-100909-08
Phantom# / Tissue Temp.: SAMTP1022 / 20.6 (C)
DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
Antenna / TX Freq.: 85009280001 (Internal) / 915.5250 (MHz)
Battery: SNN5837A w/ NTN3000XXXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.765 (W)

Note:

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

Reported SAR: 0.807 mW/g (1g); 0.579 mW/g (10g)

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

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

Electronics: DAE3 Sn374, Calibrated: 4/15/2010

Duty Cycle: 1:1.05, Medium parameters used: $f = 915$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 39.5$; $\rho = 1000$ kg/m³

Face Scan/1-Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 28.9 V/m; Power Drift = 0.024 dB

Motorola Fast SAR: SAR(1 g) = 0.794 mW/g; SAR(10 g) = 0.565 mW/g

Maximum value of SAR (interpolated) = 0.837 mW/g

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

Reference Value = 28.9 V/m; Power Drift = 0.0212 dB

Peak SAR (extrapolated) = 0.838 W/kg

Motorola Fast SAR: SAR(1 g) = 0.795 mW/g; SAR(10 g) = 0.567 mW/g

Maximum value of SAR (interpolated) = 0.838 mW/g

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

Reference Value = 28.9 V/m; Power Drift = 0.0245 dB

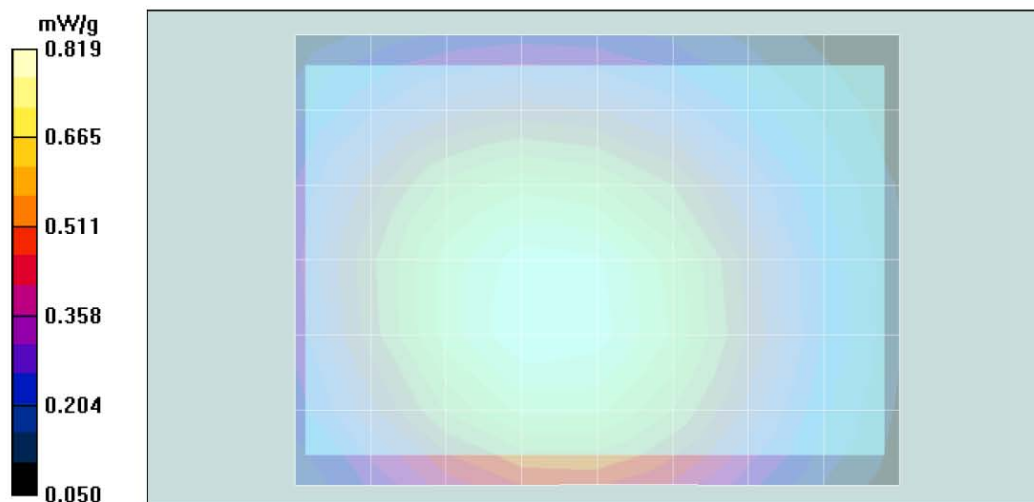
Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.795 mW/g; SAR(10 g) = 0.574 mW/g

Maximum value of SAR (measured) = 0.841 mW/g

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

Maximum value of SAR (measured) = 0.844 mW/g



Section 28.0
MOTotalk Assessment of the slide opened and closed
(Section 13.6 Table 40)
Motorola Enterprise Mobility Solutions EME Laboratory
Date/Time: 9/9/2010 1:49:33 PM

Robot# / Run#: DASY4-FL-2 / JsT-Face-100909-09
 Phantom# / Tissue Temp.: SAMTP1022 / 20.3 (C)
 DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9QDT
 Antenna / TX Freq.: 85009280001 (Internal) / 915.5250 (MHz)
 Battery: SNN5837A w/ NTN3000XXXXA
 Carry Acc. / Cable Acc.: None / None
 Start Power: 0.764 (W)

Note:

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

Reported SAR: 1.04 mW/g (1g); 0.738 mW/g (10g)

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

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

Electronics: DAE3 Sn374, Calibrated: 4/15/2010

Duty Cycle: 1:1.05, Medium parameters used: $f = 915$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 39.5$; $\rho = 1000$ kg/m³

Face Scan/1-Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 33.1 V/m; Power Drift = 0.0681 dB

Motorola Fast SAR: SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.719 mW/g

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

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

Reference Value = 33.1 V/m; Power Drift = 0.0742 dB

Peak SAR (extrapolated) = 1.10 W/kg

Motorola Fast SAR: SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.734 mW/g

Maximum value of SAR (interpolated) = 1.10 mW/g

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

Reference Value = 33.1 V/m; Power Drift = 0.0257 dB

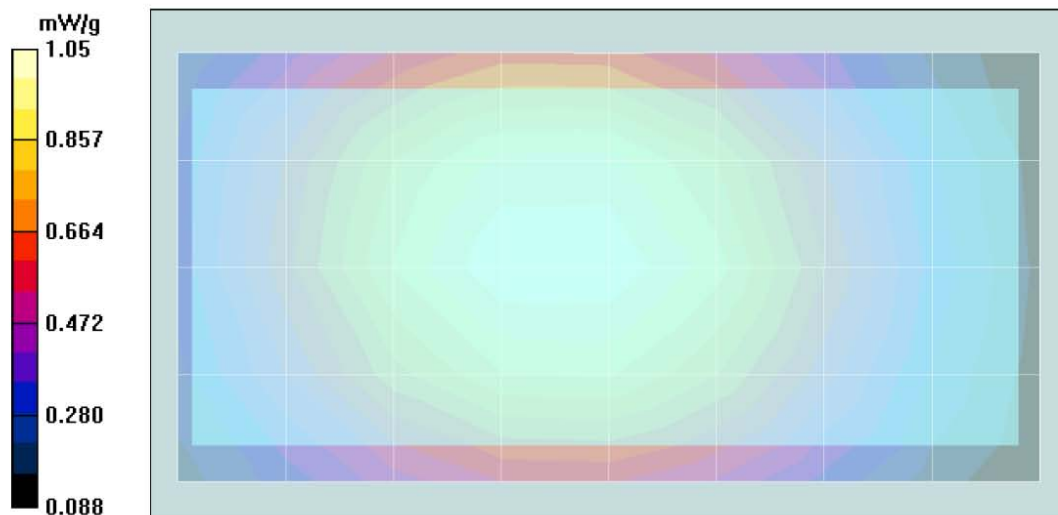
Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.732 mW/g

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

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

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



Section 29.0

MOTOtalk Assessment of frequency band edges of the offered antenna (Section 13.6 Table 41)

Motorola Enterprise Mobility Solutions EME Laboratory

Date/Time: 9/10/2010 5:05:11 PM

Robot# / Run#: DASY4-FL-2 / CM-Face-100910-10
Phantom# / Tissue Temp.: SAMTP1022 / 20.8 (C)
DUT Model# / Serial#: H86XAH6JR7AN / 364VLQ9Q8M
Antenna / TX Freq.: 85009280001 (Internal) / 902.5250 (MHz)
Battery: SNN5837A w/ NTN3000XXXA
Carry Acc. / Cable Acc.: None / None
Start Power: 0.777 (W)

Note:

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

Reported SAR: 1.34 mW/g (1g); 0.956 mW/g (10g)

Comments: Full Scan; Back of DUT @ 2.5 cm. (Slide Closed);
Retest of Second Unit Following Re-Tune to Max Power.

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

Electronics: DAE3 Sn374, Calibrated: 4/15/2010

Duty Cycle: 1:1.05, Medium parameters used: $f = 915$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 41.4$; $\rho = 1000$ kg/m³

Face Scan/1-Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 36.0 V/m; Power Drift = 0.0747 dB

Motorola Fast SAR: SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.915 mW/g

Maximum value of SAR (interpolated) = 1.36 mW/g

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

Reference Value = 36.0 V/m; Power Drift = 0.141 dB

Peak SAR (extrapolated) = 1.41 W/kg

Motorola Fast SAR: SAR(1 g) = 1.33 mW/g; SAR(10 g) = 0.940 mW/g

Maximum value of SAR (interpolated) = 1.41 mW/g

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

Reference Value = 36.0 V/m; Power Drift = 0.181 dB

Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.956 mW/g

Maximum value of SAR (measured) = 1.42 mW/g

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

