MOTOROLA SOLUTIONS

ACCREDITED
TESTING CERT # 2518.01

DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2

Motorola Solutions Inc.
EME Test Laboratory
8000 West Sunrise Blvd
Fort Lauderdale, FL. 33322.

Date of Report: 9/8/11
Report Revision: O
Report ID: SR9750 APX4000 U1 BT 1of 2 Rev O 110908

Responsible Engineer:	Michael Sailsman (Senior Staff Eng.)
Report Author:	Michael Sailsman (Senior Staff Eng.)
Date/s Tested:	7/26/11-8/25/11
Manufacturer/Location:	Penang
Sector/Group/Div.:	GTDG
Date submitted for test:	7/19/11
DUT Description:	380 - 470MHz 3-5.7W 6.25K/12.5K/25K, Single Display Model full keypad. Capable of digital and analog FM transmission. Also capable of TDMA transmission. This radio is Bluetooth equipped.
Test TX mode(s):	CW (PTT); BT (CW)
Max. Power output:	5.7 W (UHF); 10mW (BT)
Nominal Power:	5.0 W (UHF); 10mW (BT)
Tx Frequency Bands:	380-470 MHz (UHF); 2.402-2.480 GHz (BT)
Signaling type:	FM; FHSS(BT)
Model(s) Tested:	H51QDH9PW7AN (MUE3775)
Model(s) Certified:	H51QDH9PW7AN (MUE3775)
Serial Number(s):	426TMM0405
Classification:	Occupational/Controlled
FCC ID:	AZ489FT4905; Rule part 90 (406.1-470 MHz); Rule part 15 (2402-2480MHz)
IC:	109U-89FT4905

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

The test results clearly demonstrate compliance with FCC Occupational/Controlled RF Exposure limits of 8 W/kg averaged over 1 gram per the requirements of 47 CFR 2.1093(d). The 10 grams result is not applicable to FCC filing.
The test results clearly demonstrate compliance with ICNIRP (1998) Guidelines for limiting exposure in time-varying electric, magnetic, and electromagnetic fields (up to 300 GHz), Health Physics 74, 494-522 RF Exposure limits of 10 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 Solutions Inc EME Laboratory.
I attest to the accuracy of the data and assume full responsibility for the completeness of these measurements. This reporting format is consistent with the suggested guidelines of the TIA TSB-150 December 2004. The results and statements contained in this report pertain only to the device(s) evaluated.

Digitally signed by Zakharia Deanna-EDC015
DN: cn=Zakharia Deanna-EDC015
Date: 2011.09.09 08:36:50 -04'00'

Deanna Zakharia
EMS EME Lab Senior Resource Manager, Laboratory Director

Approval Date: 9/8/2011

Certification Date: L1110905P

Certification No.: 9/8/2011

Appendix D
Test System Verification Scans

The SAR result indicated on the Manufacture's Calibrated certificates for dipoles D2450V2 S/N 704, D450V2 S/N 1002 were not used due to the following:

-- The IEEE1528-2003 and the FCC OET-65 Supplement C, System Verification section recommends 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 these dipoles are higher than +/- 10% (e.g. up to 5.01 +/-18.1% at k=2 for the D450V2 S/N 1002 and 53.4 +/- 17.0% at k=2 for D2450V2 S/N 704).

-- The allowed tolerances for the probes are also higher than +/- 10% (e.g. 13.4.0% k=2 at 450 MHz and 12% k=2 at 2450MHz for the probes 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 dipoles, when using the simulated head tissue, meets the requirement for the system validation per IEEE1528-2003, IEC62209-2 Edition 1.0 2010-03 standards, and the difference between these results and the results from the manufacture's dipole calibration certificates are up to -6.39% for 450 MHz dipole and 3.50% for 2450 MHz dipole which are well within the measurement uncertainty of the measurement system at k=2.

To assess the isotropic characteristics of the measurement probe, a probe rotation was performed using the "Rotation (1D)" function in the DASY software with a measured isotropy tolerance of +/- 0.5dB.

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Date/Time: 8/8/2011 6:43:30 AM, Date/Time: 8/8/2011 6:48:10 AM, Date/Time: 8/8/2011 6:56:00 AM

Robot# / Run#: DASY5-FL-2 / ErC-SYSP-450B-110808-01
Phantom# / Tissue Temp.: OVAL1090 / 21.9 (C)
Dipole Model# / Serial#: D450V2 / 1002
TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.37 mW/g (1g)
Adjusted SAR (1W): 4.36 mW/g (1g)
Percent from Target (+/-): 0.2 % (1g)
Rotation (1D): 0.035 dB

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

Reported SAR: 1.09 mW/g (1g); 0.723 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; σ = 0.95 mho/m; ε_r = 56.4; ρ = 1000 kg/m^3

Below 3 GHz-Rev.3m/System Performance Check/Dipole Area Scan 2 (5x9x1):

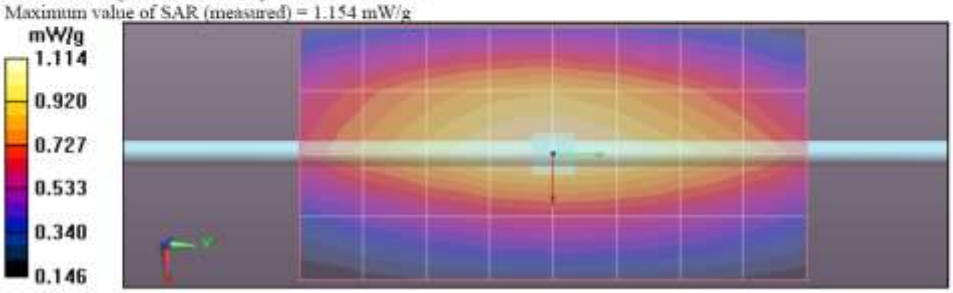
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.114 mW/g

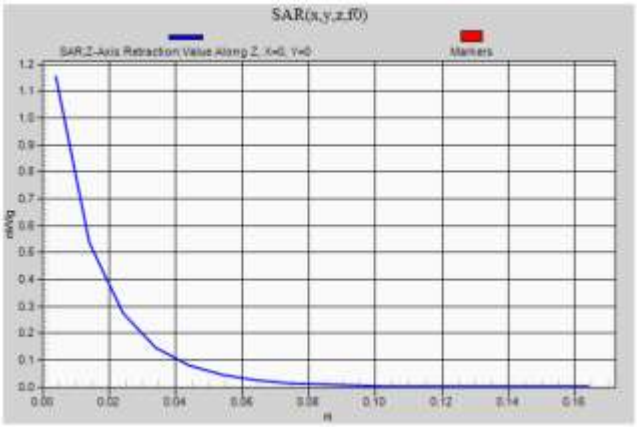
Below 3 GHz-Rev.3m/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 34.878 V/m; Power Drift = 0.0067 dB
Peak SAR (extrapolated) = 1.679 W/kg
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.721 mW/g
Maximum value of SAR (measured) = 1.167 mW/g

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

Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.154 mW/g





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Date/Time: 8/9/2011 6:07:20 AM, Date/Time: 8/9/2011 6:12:03 AM, Date/Time: 8/9/2011 6:19:55 AM

Robot# / Run#: DASY5-FL-2 / ErC-SYSP-450B-110809-01
Phantom# / Tissue Temp.: OVAL1090 / 21.4 (C)
Dipole Model# / Serial#: D450V2 / 1002
TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.37 mW/g (1g)
Adjusted SAR (1W): 4.36 mW/g (1g)
Percent from Target (+/-): 0.2 % (1g)
Rotation (1D): 0.035 dB

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

Reported SAR: 1.089 mW/g (1g); 0.719 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; σ = 0.95 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3

Below 3 GHz-Rev.3m/System Performance Check/Dipole Area Scan 2 (5x9x1):

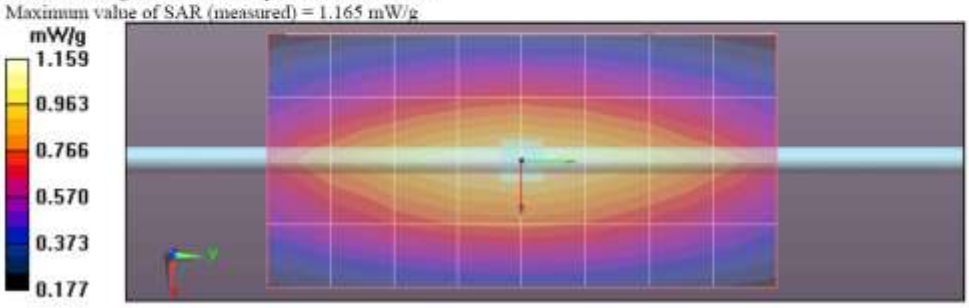
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.159 mW/g

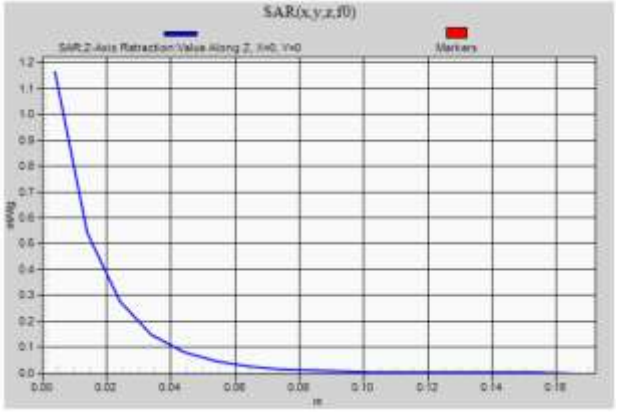
Below 3 GHz-Rev.3m/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 34.789 V/m; Power Drift = 0.0013 dB
Peak SAR (extrapolated) = 1.673 W/kg
SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.719 mW/g
Maximum value of SAR (measured) = 1.163 mW/g

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

Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.165 mW/g





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Date/Time: 8/10/2011 5:55:48 AM, Date/Time: 8/10/2011 6:00:54 AM, Date/Time: 8/10/2011 6:15:20 AM

Robot# / Run#: DASY5-FL-2 / ErC-SYSP-450H-110810-01
Phantom# / Tissue Temp.: OVAL1108 / 21.4 (C)
Dipole Model# / Serial#: D450V2 / 1002
TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W): 4.69 mW/g (1g)
Adjusted SAR (1W): 4.64 mW/g (1g)
Percent from Target (+/-): 1.1 % (1g)
Rotation (1D): 0.048 dB

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

Reported SAR: 1.16 mW/g (1g); 0.770 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(6.94, 6.94, 6.94)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; σ = 0.88 mho/m; ε_r = 43.7; ρ = 1000 kg/m^3

Below 3 GHz-Rev.3m/System Performance Check/Dipole Area Scan 2 (5x9x1):

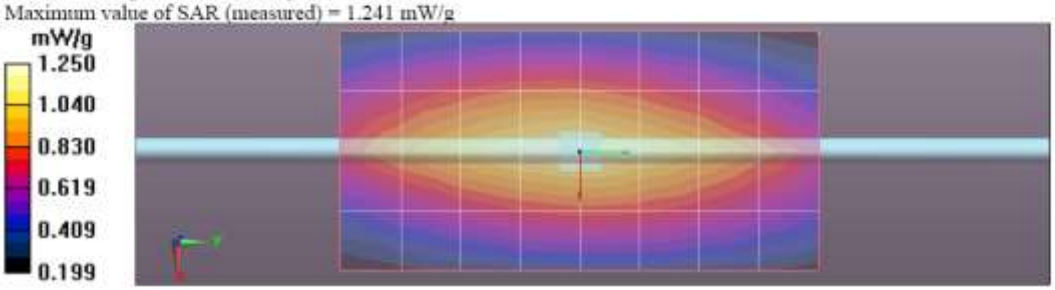
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.250 mW/g

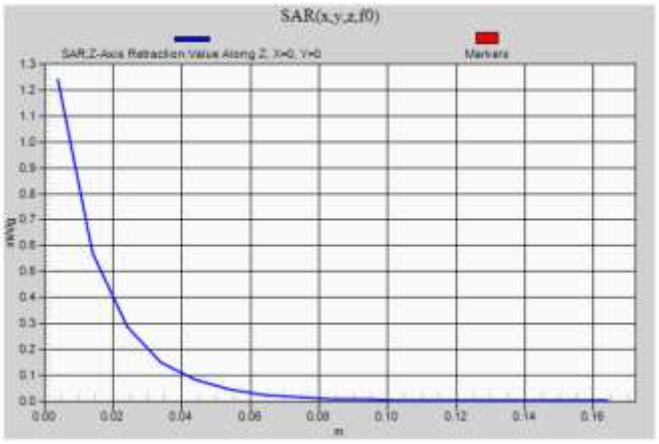
Below 3 GHz-Rev.3m/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 37.842 V/m; Power Drift = 0.0059 dB
Peak SAR (extrapolated) = 1.752 W/kg
SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.769 mW/g
Maximum value of SAR (measured) = 1.239 mW/g

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

Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.241 mW/g





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Date/Time: 8/19/2011 7:49:07 AM, Date/Time: 8/19/2011 7:53:49 AM, Date/Time: 8/19/2011 8:01:39 AM

Robot# / Run#: DASY5-FL-2 / ErC-SYSP 450B-110819-03
Phantom# / Tissue Temp.: OVAL1022 / 20.8 (C)
Dipole Model# / Serial#: D2450V2 / 704
TX Freq. / Start power: 2450 (MHz) / 30 (mW)

Target SAR (1W): 52.20 mW/g (1g)
Adjusted SAR (1W): 50.67 mW/g (1g)
Percent from Target (+/-): 2.9 % (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 SAR: 1.52 mW/g (1g); 0.709 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3291; Calibrated: 7/22/2011; ConvF(4.3, 4.3, 4.3)
Electronics: DAE4 Sn850; Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 2450 MHz; σ = 2.01 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3

Below 3 GHz-Rev.3m/System Performance Check/Dipole Area Scan 2 (5x9x1):

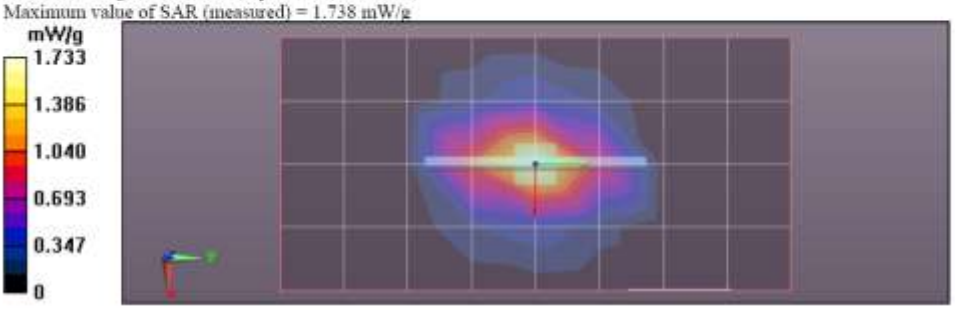
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.733 mW/g

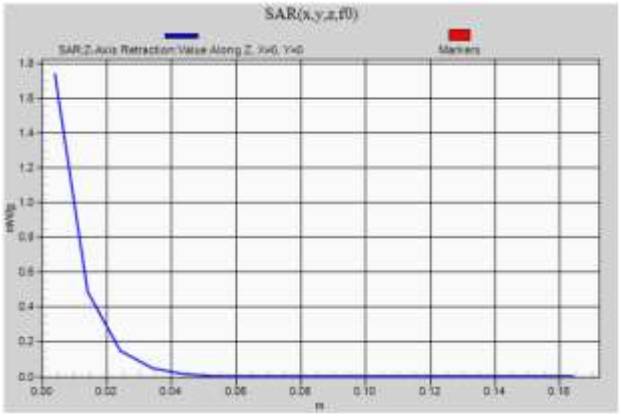
Below 3 GHz-Rev.3m/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 29.637 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 2.994 W/kg
SAR(1 g) = 1.5 mW/g; SAR(10 g) = 0.704 mW/g
Maximum value of SAR (measured) = 1.699 mW/g

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

Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.738 mW/g





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Date/Time: 8/25/2011 3:14:10 PM, Date/Time: 8/25/2011 3:19:00 PM, Date/Time: 8/25/2011 3:26:50 PM

Robot# / Run#: DASY5-FL-2 / ErC-SYSP-450B-110825-11
Phantom# / Tissue Temp.: OVAL1090 / 21.0 (C)
Dipole Model# / Serial#: D450V2 / 1002
TX Freq. / Start power: 450 (MHz) / 250 (mW)

Target SAR (1W):	4.37 mW/g	(1g)
Adjusted SAR (1W):	4.36 mW/g	(1g)
Percent from Target (+/-):	0.2 %	(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 SAR: 1.09 mW/g (1g); 0.725 mW/g (10g)

Comments:

Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; σ = 0.95 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3

Below 3 GHz-Rev.3m/System Performance Check/Dipole Area Scan 2 (5x9x1):

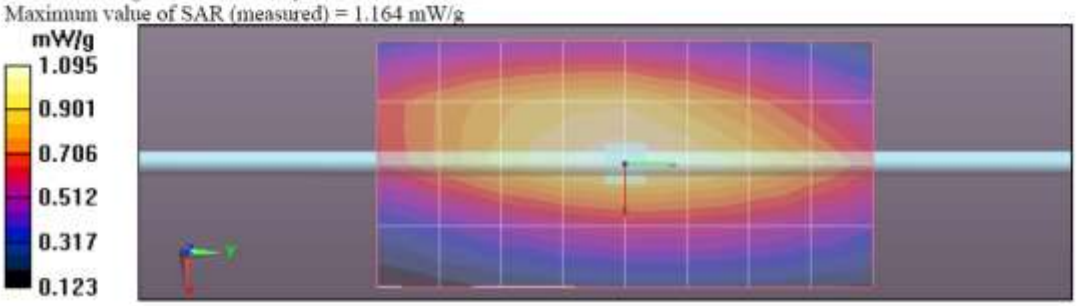
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.095 mW/g

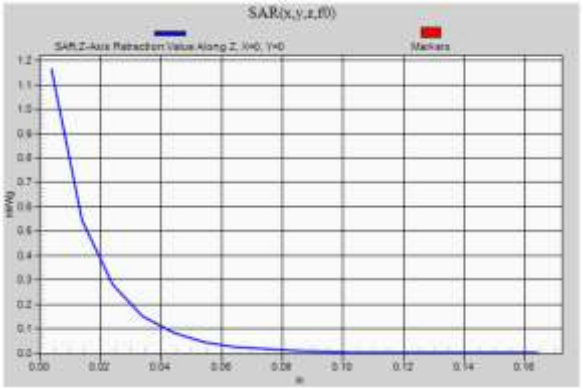
Below 3 GHz-Rev.3m/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 34.984 V/m; Power Drift = 0.0026 dB
Peak SAR (extrapolated) = 1.664 W/kg
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.725 mW/g
Maximum value of SAR (measured) = 1.166 mW/g

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

Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.164 mW/g





DIPOLE SAR TARGET - HEAD

Date:	10/13/10	Frequency (MHz):	450
Lab Location:	FL08-G&PS	Mixture Type:	IEEE Head
DAE Serial #:	729	Ambient Temp.(°C):	21.4
Tissue Characteristics			
Permitivity:	41.8	Phantom Type/SN:	OVAL1016
Conductivity:	0.84	Distance (mm):	15
Tissue Temp.(°C):	21.5		
Reference Source:	Dipole	Power to Dipole:	250 mW
Reference SN:	1002		

Target 1g-SAR Value (mW/g, normalized to 1.0 W): 4.58

Difference from Target: 2.47% (1g-SAR)

New Target:

Average 1g-SAR Value (mW/g):	4.69

Passes K=2

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

Probe SN #s	1g-SAR (Cube)	Diff from Ave	Robot
3147	4.64	*-1.1%*	R2
3163	4.76	*1.4%*	R2
3185	4.68	*-0.3%*	R2
Average	4.6933	New Measured SAR Value	

(normalized to 1.0 W)

Test performed by: J. Turco Initial:

DIPOLE SAR TARGET - BODY

Date:	10/13/10	Frequency (MHz):	**450**
Lab Location:	FL08-G&PS	Mixture Type:	**Body**
DAE Serial #:	729	Ambient Temp.(°C):	21.6

Tissue Characteristics

Permitivity:	56.0	Phantom Type/SN:	OVAL1011
Conductivity:	0.93	Distance (mm):	15
Tissue Temp.(°C):	21.5		

Reference Source:	Dipole	Power to Dipole:	250 mW
Reference SN:	**1002**		

New Target:

Average Measured SAR Value: **4.37** mW/g(1g avg.),

Probe SN #s	1-G Cube	Diff from Ave	Robot
3147	4.32	*-1.2%*	R2
3163	4.40	*0.6%*	R2
3185	4.40	*0.6%*	R2
Average		New Measured SAR Value	

(normalized to 1.0 W)

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

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FCD-0733 System Performance Target Workbook (Body) Rev. 7

DIPOLE SAR TARGET - HEAD

Date:	12/21/10	Frequency (MHz):	**2450**
Lab Location:	FL08	Mixture Type:	**IEEE Head**
DAE Serial #:	729	Ambient Temp.(°C):	21.6
Tissue Characteristics			
Permitivity:	38.9	Phantom Type/SN:	DUAL 1002 Side A
Conductivity:	1.82	Distance (mm):	10
Tissue Temp.(°C):	20.9		
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

5.47% **(1g-SAR)**

New Target:

Average 1g-SAR Value (mW/g):	**55.27**

Passes K=2

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

Probe SN #s	1g-SAR (Cube)	Diff from Ave	Robot
3147	54.40	*-1.6%*	R2
3185	55.40	*0.2%*	R2
3163	56.00	*1.3%*	R2
Average	**55.2667**	New Measured SAR Value	

(normalized to 1.0 W)

Test performed by: **Ed Church** Initial: E.C

DIPOLE SAR TARGET - BODY

Date:	12/21/10	Frequency (MHz):	**2450**
Lab Location:	FL08	Mixture Type:	**Body**
DAE Serial #:	729	Ambient Temp.(°C):	21.5

Tissue Characteristics

Permitivity:	53.9	Phantom Type/SN:	DUAL 1002 Side B
Conductivity:	1.90	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: **52.20** mW/g(1g avg.).

Probe SN #s	1-G Cube	Diff from Ave	Robot
3163	51.40	*-1.5%*	R2
3185	52.00	*-0.4%*	R2
3147	53.20	*1.9%*	R2
Average		New Measured SAR Value	

(normalized to 1.0 W)

Test performed by: **Ed Church** Initial: E.C

Appendix E
FCC Part 90 (406.1 – 470.0 MHz)
DUT Scans (Shortened Scan and Highest SAR configurations)

Shortened Scan Result
(Section 13.26, Table 45)

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Date/Time: 8/25/2011 3:57:59 PM, Date/Time: 8/25/2011 4:15:39 PM, Date/Time: 8/25/2011 4:21:45 PM

Robot# / Run#: DASY5-FL-2 / ErC-Ab-110825-12
Phantom# / Tissue Temp.: OVAL1090 / 21.0 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 438.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN7008A/ NONE
Start Power: 5.95 (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.

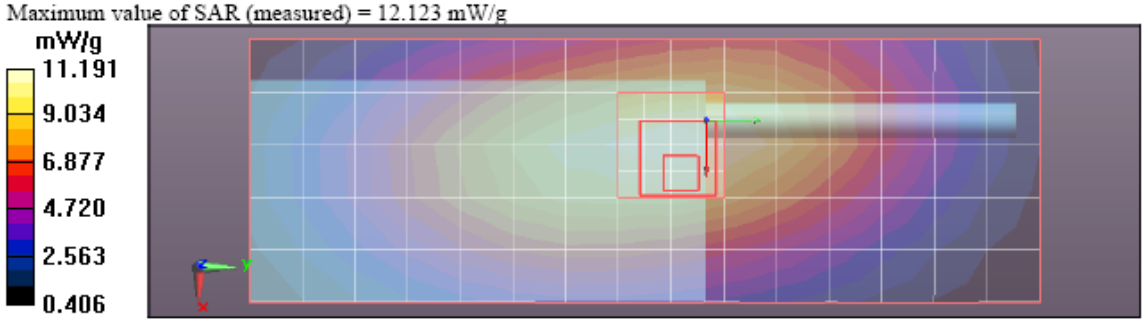
Reported SAR: 11.75 mW/g (1g); 8.38 mW/g (10g)
Comments: Full Scan Short Scan

Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 438 MHz; σ = 0.93 mho/m; ε_r = 56.5; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 11.191 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 107.1 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 16.465 W/kg
SAR(1 g) = 11.7 mW/g; SAR(10 g) = 8.36 mW/g
Maximum value of SAR (measured) = 12.344 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 12.123 mW/g



Shortened scan reflect highest SAR producing configuration; approximate run time is 6 minutes.
Representative full scan run time was 28 minutes.
"Shortened" scan max calculated SAR using SAR drift: 1-g Avg. = 6.10 mW/g; 10-g Avg. = 4.35 mW/g.
Zoom scan max calculated SAR using SAR drift (see part 1 section 13.20): 1-g Avg. = 6.42 mW/g; 10-g Avg. = 4.56 mW/g.

Section 13.20 Table 35
Body - Highest SAR Configuration Result

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/9/2011 7:08:22 PM, Date/Time: 8/9/2011 7:18:40 PM, Date/Time: 8/9/2011 7:21:31 PM, Date/Time: 8/9/2011 7:27:42 PM

Robot# / Run#: DASY5-FL-2 / CM-Ab-110809-20
Phantom# / Tissue Temp.: OVAL1090 / 21.3 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 438.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN7008A/ NONE
Start Power: 5.91 (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: 12.66 mW/g (1g); 8.99 mW/g (10g)

Comments: Full Scan

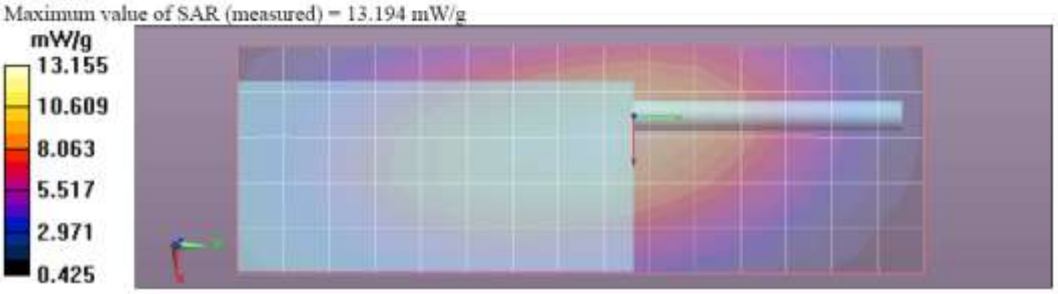
Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 438 MHz; σ = 0.93 mho/m; ε_r = 56.8; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 113.9 V/m; Power Drift = 0.0065 dB
Motorola Fast SAR: SAR(1 g) = 12.5 mW/g; SAR(10 g) = 9.09 mW/g
Maximum value of SAR (interpolated) = 13.184 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 113.9 V/m; Power Drift = -0.022 dB
Peak SAR (extrapolated) = Not Specified W/kg
Motorola Fast SAR: SAR(1 g) = 12.7 mW/g; SAR(10 g) = 9.21 mW/g
Maximum value of SAR (interpolated) = 13.369 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 113.9 V/m; Power Drift = -0.064 dB
Peak SAR (extrapolated) = 18.111 W/kg
SAR(1 g) = 12.6 mW/g; SAR(10 g) = 8.97 mW/g
Maximum value of SAR (measured) = 13.304 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 13.194 mW/g



Section 13.23 Table 40
Face - Highest SAR Configuration Result

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/9/2011 10:56:18 PM, Date/Time: 8/9/2011 11:08:42 PM, Date/Time: 8/9/2011 11:11:40 PM, Date/Time: 8/9/2011 11:17:58 PM

Robot# / Run#: DASY5-FL-2 / CM-Face-110809-24
Phantom# / Tissue Temp.: OVAL1108 / 21.0 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: PMAE4065A / 406.1250 (MHz)
Battery: NNTN8129A
Carry Acc. / Cable Acc.: NONE / NONE
Start Power: 5.88 (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: 6.64 mW/g (1g); 4.97 mW/g (10g)

Comments: Full Scan; Front of radio facing phantom at 2.5 cm.

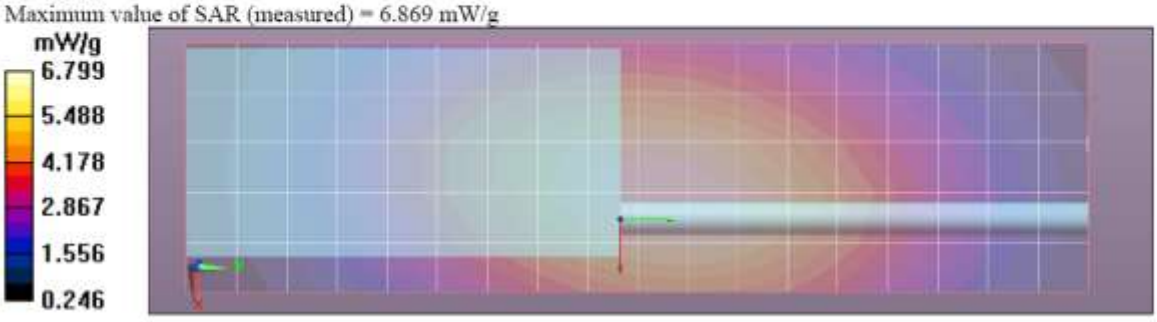
Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(6.94, 6.94, 6.94)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 406 MHz; σ = 0.87 mho/m; ε_r = 45.4; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Face Scan/1-Area Scan (51x181x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 86.329 V/m; Power Drift = 0.10 dB
Motorola Fast SAR: SAR(1 g) = 6.53 mW/g; SAR(10 g) = 4.88 mW/g
Maximum value of SAR (interpolated) = 6.843 mW/g

Below 3 GHz-Rev.4e/Face Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 86.329 V/m; Power Drift = 0.097 dB
Peak SAR (extrapolated) = Not Specified W/kg
Motorola Fast SAR: SAR(1 g) = 6.58 mW/g; SAR(10 g) = 4.9 mW/g
Maximum value of SAR (interpolated) = 6.911 mW/g

Below 3 GHz-Rev.4e/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 86.329 V/m; Power Drift = 0.056 dB
Peak SAR (extrapolated) = 8.621 W/kg
SAR(1 g) = 6.55 mW/g; SAR(10 g) = 4.92 mW/g
Maximum value of SAR (measured) = 6.879 mW/g

Below 3 GHz-Rev.4e/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 6.869 mW/g



Appendix F
DUT Scans - FCC Part 90 (406.1 – 470.0 MHz)

Section 13.2 Table 13
Assessments at the Body with Body worn PMLN4651A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/8/2011 12:41:20 PM, Date/Time: 8/8/2011 12:54:35 PM, Date/Time: 8/8/2011 1:02:03 PM

Robot# / Run#: DASY5-FL-2 / ErC-Ab-110808-05
Phantom# / Tissue Temp.: OVAL1090 / 21.3 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 454.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN4651A / HMN4104B
Start Power: 5.89 (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: 8.05 mW/g (1g); 7.53 mW/g (10g)

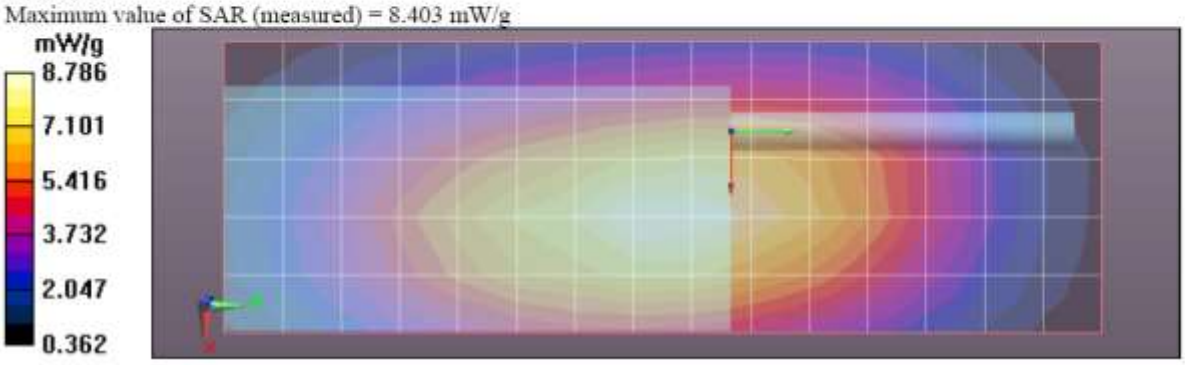
Comments: Full Scan

Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 454 MHz; σ = 0.95 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 8.786 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 84.039 V/m; Power Drift = -0.64 dB
Peak SAR (extrapolated) = 11.571 W/kg
SAR(1 g) = 8.05 mW/g; SAR(10 g) = 5.73 mW/g
Maximum value of SAR (measured) = 8.554 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 8.403 mW/g



Section 13.2 Table 14
Assessments at the Body with Body worn PMLN4651A (additional battery)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/8/2011 4:18:58 PM, Date/Time: 8/8/2011 4:29:18 PM, Date/Time: 8/8/2011 4:32:11 PM, Date/Time: 8/8/2011 4:38:23 PM

Robot# / Run#: DASY5-FL-2 / CM-Ab-110808-08
Phantom# / Tissue Temp.: OVAL1090 / 21.3 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 454.0000 (MHz)
Battery: NNTN8129A
Carry Acc. / Cable Acc.: PMLN4651A / HMN4104B
Start Power: 5.84 (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: 5.63 mW/g (1g); 4.04 mW/g (10g)

Comments: Full Scan

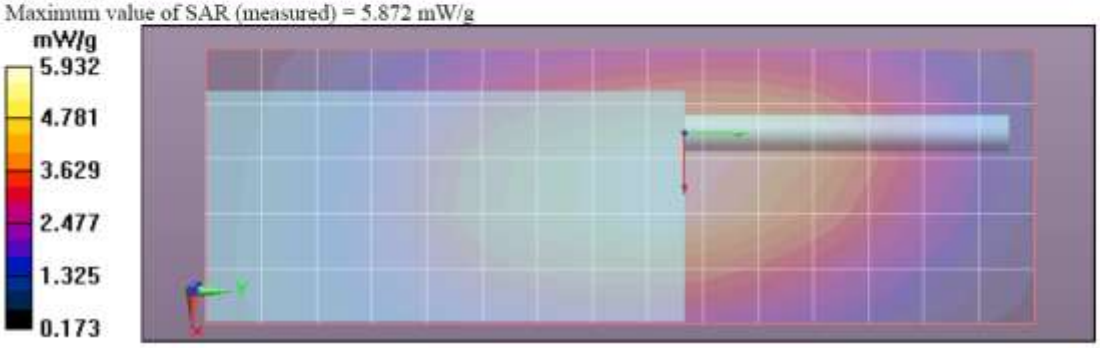
Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 454 MHz; σ = 0.95 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 76.198 V/m; Power Drift = -0.23 dB
Motorola Fast SAR: SAR(1 g) = 5.83 mW/g; SAR(10 g) = 4.28 mW/g
Maximum value of SAR (interpolated) = 6.165 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 76.198 V/m; Power Drift = -0.30 dB
Peak SAR (extrapolated) = Not Specified W/kg
Motorola Fast SAR: SAR(1 g) = 5.8 mW/g; SAR(10 g) = 4.21 mW/g
Maximum value of SAR (interpolated) = 6.138 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 76.198 V/m; Power Drift = -0.38 dB
Peak SAR (extrapolated) = 7.942 W/kg
SAR(1 g) = 5.63 mW/g; SAR(10 g) = 4.04 mW/g
Maximum value of SAR (measured) = 5.957 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 5.872 mW/g



Section 13.3 Table 15
Assessments at the Body with Body worn PMLN7008A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/8/2011 6:25:50 PM, Date/Time: 8/8/2011 6:36:12 PM, Date/Time: 8/8/2011 6:39:07 PM, Date/Time: 8/8/2011 6:45:19 PM

Robot# / Run#: DASY5-FL-2 / CM-Ab-110808-11
Phantom# / Tissue Temp.: OVAL1090 / 21.2 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 438.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN7008A / HMN4104B
Start Power: 5.83 (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: 11.2 mW/g (1g); 8.00 mW/g (10g)

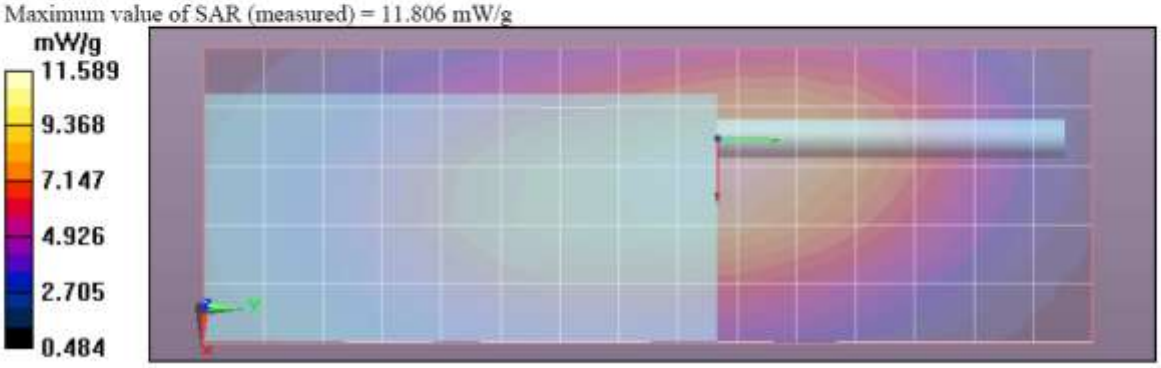
Comments: Full Scan
Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 438 MHz; σ = 0.94 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 107.8 V/m; Power Drift = -0.07 dB
Motorola Fast SAR: SAR(1 g) = 11.1 mW/g; SAR(10 g) = 8.16 mW/g
Maximum value of SAR (interpolated) = 11.803 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 107.8 V/m; Power Drift = -0.061 dB
Peak SAR (extrapolated) = Not Specified W/kg
Motorola Fast SAR: SAR(1 g) = 11.4 mW/g; SAR(10 g) = 8.25 mW/g
Maximum value of SAR (interpolated) = 12.000 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 107.8 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 16.230 W/kg
SAR(1 g) = 11.2 mW/g; SAR(10 g) = 8 mW/g
Maximum value of SAR (measured) = 11.897 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 11.806 mW/g



Section 13.3 Table 16
Assessments at the Body with Body worn PMLN7008A (additional batteries)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/8/2011 8:50:27 PM, Date/Time: 8/8/2011 9:00:47 PM, Date/Time: 8/8/2011 9:03:38 PM, Date/Time: 8/8/2011 9:09:48 PM

Robot# / Run#: DASY5-FL-2 / CM-Ab-110808-15
Phantom# / Tissue Temp.: OVAL1090 / 21.1 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 438.0000 (MHz)
Battery: NNTN8129A
Carry Acc. / Cable Acc.: PMLN7008A / HMN4104B
Start Power: 5.85 (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: 8.88 mW/g (1g); 6.38 mW/g (10g)

Comments: Full Scan

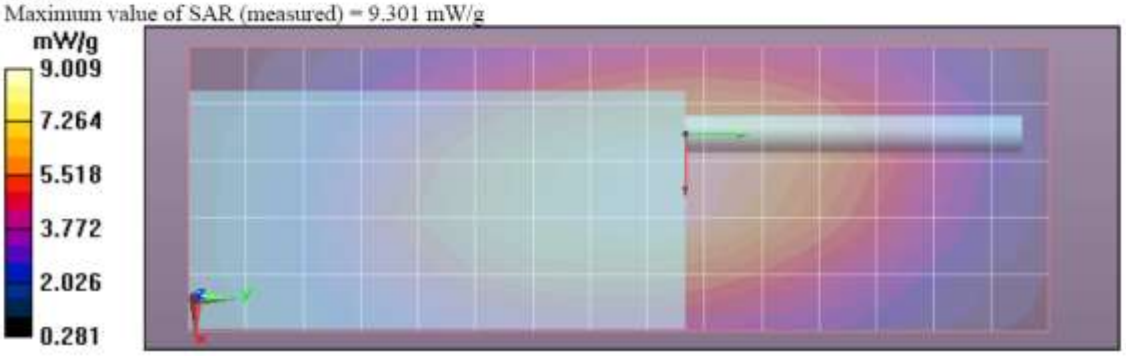
Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 438 MHz; σ = 0.94 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 94.512 V/m; Power Drift = -0.13 dB
Motorola Fast SAR: SAR(1 g) = 8.9 mW/g; SAR(10 g) = 6.56 mW/g
Maximum value of SAR (interpolated) = 9.389 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 94.512 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = Not Specified W/kg
Motorola Fast SAR: SAR(1 g) = 9.01 mW/g; SAR(10 g) = 6.53 mW/g
Maximum value of SAR (interpolated) = 9.522 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 94.512 V/m; Power Drift = -0.23 dB
Peak SAR (extrapolated) = 12.546 W/kg
SAR(1 g) = 8.88 mW/g; SAR(10 g) = 6.38 mW/g
Maximum value of SAR (measured) = 9.416 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 9.301 mW/g



Section 13.4 Table 17
Assessments at the body with Body worn PMLN5950A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/8/2011 9:44:03 PM, Date/Time: 8/8/2011 9:54:22 PM, Date/Time: 8/8/2011 9:57:16 PM, Date/Time: 8/8/2011 10:03:30 PM

Robot# / Run#: DASY5-FL-2 / CM-Ab-110808-16
Phantom# / Tissue Temp.: OVAL1090 / 21.1 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 422.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN5950A / HMN4104B
Start Power: 5.88 (W)

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

Reported SAR: 2.41 mW/g (1g); 1.83 mW/g (10g)

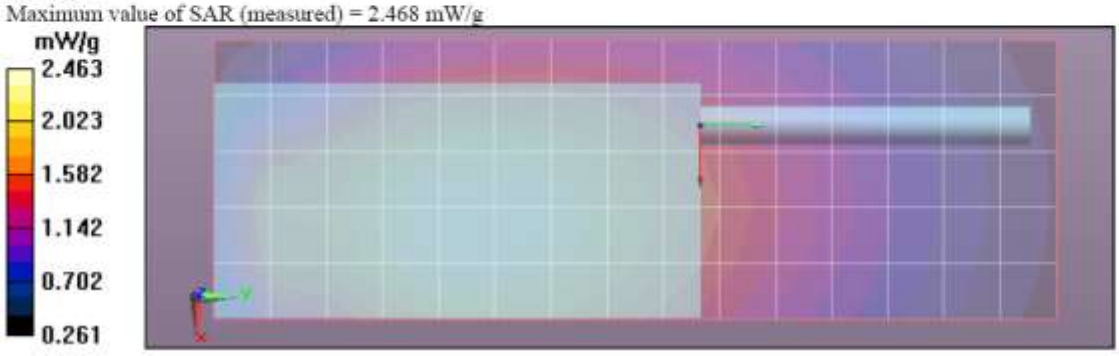
Comments: Full Scan
Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 422 MHz; σ = 0.92 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 45.982 V/m; Power Drift = -0.042 dB
Motorola Fast SAR: SAR(1 g) = 2.37 mW/g; SAR(10 g) = 1.77 mW/g
Maximum value of SAR (interpolated) = 2.483 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 45.982 V/m; Power Drift = -0.068 dB
Peak SAR (extrapolated) = Not Specified W/kg
Motorola Fast SAR: SAR(1 g) = 2.38 mW/g; SAR(10 g) = 1.78 mW/g
Maximum value of SAR (interpolated) = 2.498 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 45.982 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 3.126 W/kg
SAR(1 g) = 2.39 mW/g; SAR(10 g) = 1.82 mW/g
Maximum value of SAR (measured) = 2.496 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.468 mW/g



Section 13.4 Table 18
A Assessment at the Body with Body worn PMLN5950A (additional batteries)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/9/2011 7:09:02 AM, Date/Time: 8/9/2011 7:22:16 AM, Date/Time: 8/9/2011 7:28:28 AM

Robot# / Run#: DASY5-FL-2 / ErC-Ab-110809-02
Phantom# / Tissue Temp.: OVAL1090 / 21.4 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 422.0000 (MHz)
Battery: NNTN8129A
Carry Acc. / Cable Acc.: PMLN5950A / HMN4104B
Start Power: 5.85 (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: 1.60 mW/g (1g); 1.22 mW/g (10g)

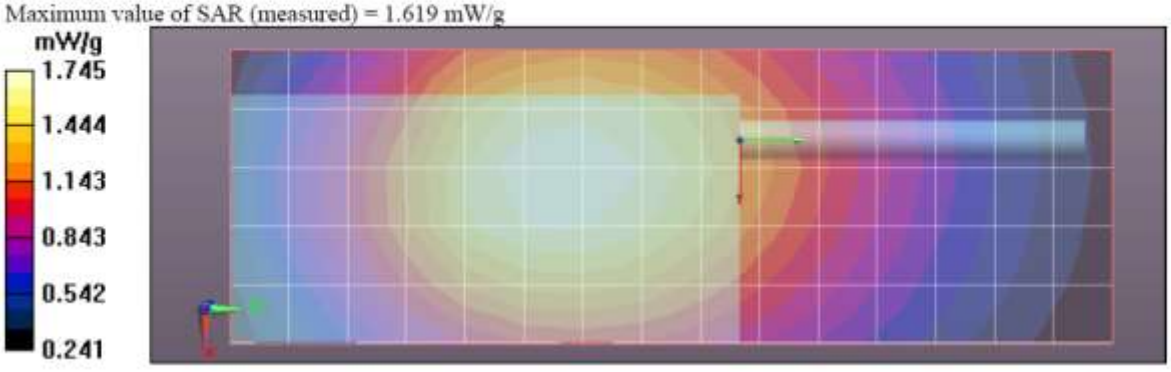
Comments: Full Scan

Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 422 MHz; σ = 0.92 mho/m; ε_r = 57.2; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.745 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 44.970 V/m; Power Drift = -0.66 dB
Peak SAR (extrapolated) = 2.075 W/kg
SAR(1 g) = 1.58 mW/g; SAR(10 g) = 1.21 mW/g
Maximum value of SAR (measured) = 1.654 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.619 mW/g



Section 13.5 Table 19
Assessment at the Body with Body worn PMLN5950A/NTN5243A

Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/9/2011 7:54:25 AM, Date/Time: 8/9/2011 8:07:42 AM, Date/Time: 8/9/2011 8:13:53 AM

Robot# / Run#: DASY5-FL-2 / ErC-Ab-110809-03
Phantom# / Tissue Temp.: OVAL1090 / 21.3 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 422.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN5950A w/NTN5243A/ HMN4104B
Start Power: 5.88 (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: 5.13 mW/g (1g); 3.85 mW/g (10g)

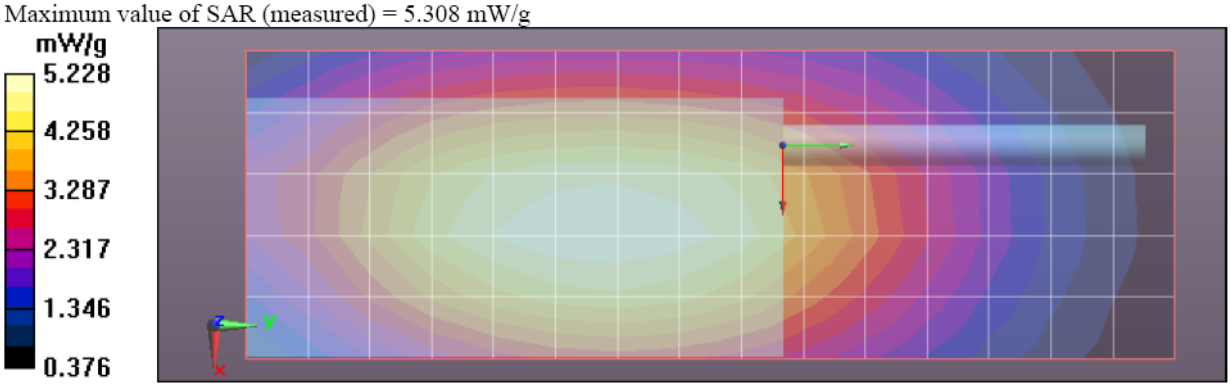
Comments: WO Belt Loop Full Scan

Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 422 MHz; σ = 0.92 mho/m; ε_r = 57.2; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.228 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 68.120 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 6.709 W/kg
SAR(1 g) = 5.08 mW/g; SAR(10 g) = 3.83 mW/g
Maximum value of SAR (measured) = 5.319 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 5.308 mW/g



Section 13.5 Table 20
Assessment at the Body with Body worn PMLN5950A/NTN5243A (additional batteries)

Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/9/2011 9:10:15 AM, Date/Time: 8/9/2011 9:23:23 AM, Date/Time: 8/9/2011 9:29:34 AM

Robot# / Run#: DASY5-FL-2 / ErC-Ab-110809-05
Phantom# / Tissue Temp.: OVAL1090 / 21.3 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 422.0000 (MHz)
Battery: NNTN8129A
Carry Acc. / Cable Acc.: PMLN5950A w/NTN5243A/ HMN4104B
Start Power: 5.89 (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: 4.48 mW/g (1g); 3.37 mW/g (10g)

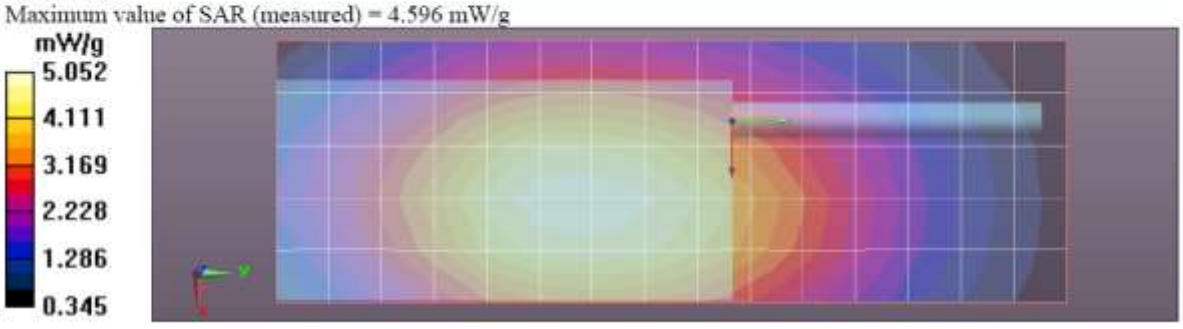
Comments: WO Belt Loop Full Scan

Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 422 MHz; σ = 0.92 mho/m; ε_r = 57.2; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.052 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 67.360 V/m; Power Drift = -0.64 dB
Peak SAR (extrapolated) = 5.847 W/kg
SAR(1 g) = 4.43 mW/g; SAR(10 g) = 3.35 mW/g
Maximum value of SAR (measured) = 4.629 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 4.596 mW/g



Section 13.6 Table 21
Assessment at the Body with Audio HMN4104B/RMN5116A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/9/2011 9:54:28 AM, Date/Time: 8/9/2011 10:07:41 AM, Date/Time: 8/9/2011 10:13:53 AM

Robot# / Run#: DASY5-FL-2 / ErC-Ab-110809-06
Phantom# / Tissue Temp.: OVAL1090 / 21.3 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 438.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN7008A/ HMN4104B w/RMN5116A
Start Power: 5.84 (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: 10.04 mW/g (1g); 7.12 mW/g (10g)

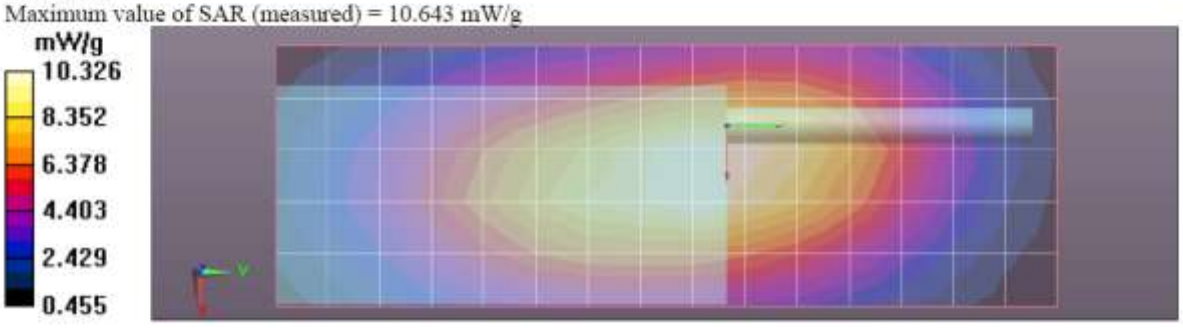
Comments: Full Scan

Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 438 MHz; σ = 0.93 mho/m; ε_r = 56.8; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 10.326 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 101.0 V/m; Power Drift = -0.26 dB
Peak SAR (extrapolated) = 14.525 W/kg
SAR(1 g) = 10 mW/g; SAR(10 g) = 7.1 mW/g
Maximum value of SAR (measured) = 10.587 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 10.643 mW/g



Section 13.7 Table 22
Assessment at the Body with Audio RLN5882A

Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/9/2011 10:32:15 AM, Date/Time: 8/9/2011 10:45:30 AM, Date/Time: 8/9/2011 10:51:43 AM

Robot# / Run#: DASY5-FL-2 / ErC-Ab-110809-07
Phantom# / Tissue Temp.: OVAL1090 / 21.2 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 438.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN7008A/ RLN5882A
Start Power: 5.91 (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: 8.65 mW/g (1g); 6.17 mW/g (10g)

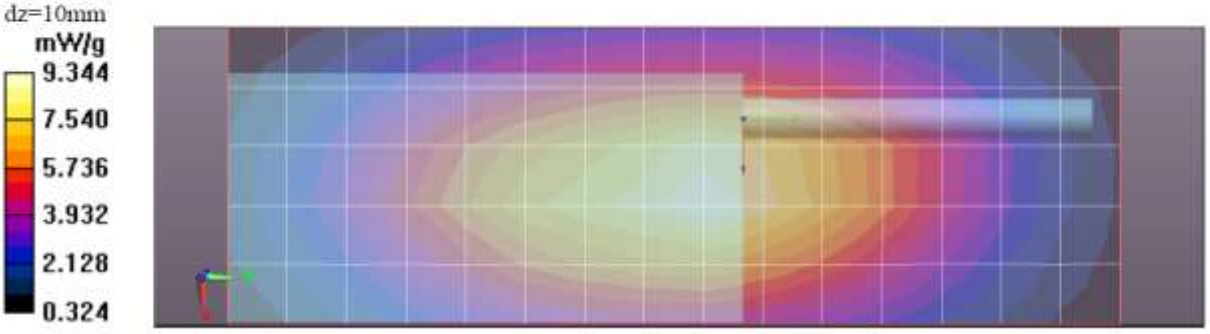
Comments: Full Scan

Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 438 MHz; σ = 0.93 mho/m; ε_r = 56.8; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 9.344 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 87.815 V/m; Power Drift = -0.23 dB
Peak SAR (extrapolated) = 12.227 W/kg
SAR(1 g) = 8.61 mW/g; SAR(10 g) = 6.15 mW/g
Maximum value of SAR (measured) = 9.140 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm



Section 13.8 Table 23
Assessment at the Body with Audio PMLN5111A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/9/2011 11:24:16 AM, Date/Time: 8/9/2011 11:37:30 AM, Date/Time: 8/9/2011 11:43:43 AM

Robot# / Run#: DASY5-FL-2 / ErC-Ab-110809-08
Phantom# / Tissue Temp.: OVAL1090 / 21.2 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 438.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN7008A/ PMLN5111A
Start Power: 5.89 (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: 10.95 mW/g (1g); 7.76 mW/g (10g)

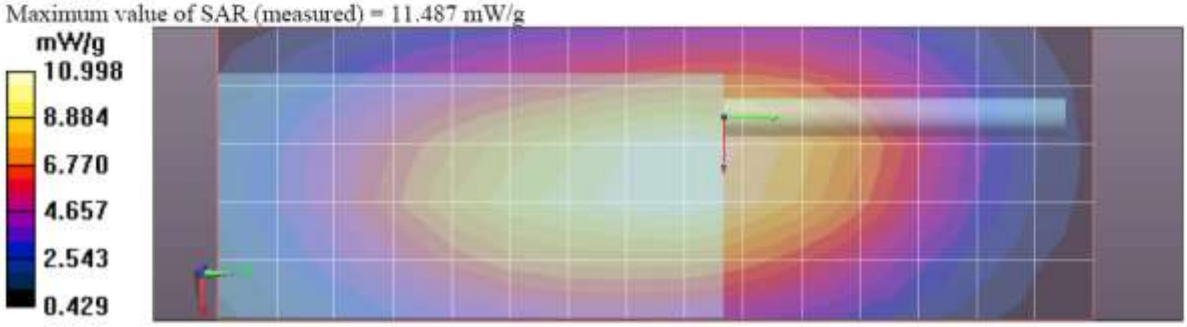
Comments: Full Scan

Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 438 MHz; σ = 0.93 mho/m; ε_r = 56.8; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 10.998 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 101.5 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 15.677 W/kg
SAR(1 g) = 10.9 mW/g; SAR(10 g) = 7.74 mW/g
Maximum value of SAR (measured) = 11.479 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 11.487 mW/g



Section 13.9 Table 24
Assessment at the Body with Audio PMMN4062A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/9/2011 11:59:13 AM, Date/Time: 8/9/2011 12:12:24 PM, Date/Time: 8/9/2011 12:18:38 PM

Robot# / Run#: DASY5-FL-2 / ErC-Ab-110809-09
Phantom# / Tissue Temp.: OVAL1090 / 21.2 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 438.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN7008A/ PMMN4062A
Start Power: 5.90 (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: 11.15 mW/g (1g); 7.93 mW/g (10g)

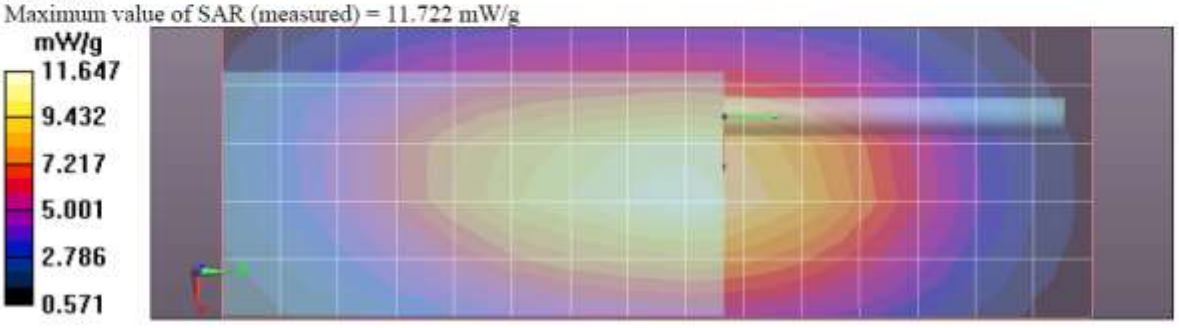
Comments: Full Scan

Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 438 MHz; σ = 0.93 mho/m; ε_r = 56.8; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 11.647 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 98.122 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 15.991 W/kg
SAR(1 g) = 11.1 mW/g; SAR(10 g) = 7.91 mW/g
Maximum value of SAR (measured) = 11.721 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 11.722 mW/g



Section 13.10 Table 25
Assessment at the Body with Audio PMMN4065A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/9/2011 12:31:38 PM, Date/Time: 8/9/2011 12:44:53 PM, Date/Time: 8/9/2011 12:51:07 PM

Robot# / Run#: DASY5-FL-2 / ErC-Ab-110809-10
Phantom# / Tissue Temp.: OVAL1090 / 21.2 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 438.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN7008A/ PMMN4065A
Start Power: 5.82 (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: 9.94 mW/g (1g); 7.07 mW/g (10g)

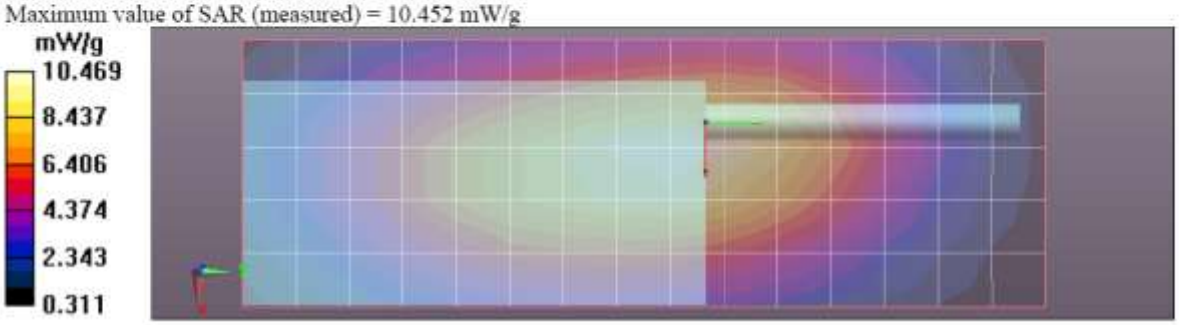
Comments: Full Scan

Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 438 MHz; σ = 0.93 mho/m; ε_r = 56.8; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 10.469 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 101.8 V/m; Power Drift = -0.23 dB
Peak SAR (extrapolated) = 14.310 W/kg
SAR(1 g) = 9.9 mW/g; SAR(10 g) = 7.05 mW/g
Maximum value of SAR (measured) = 10.378 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 10.452 mW/g



Section 13.11 Table 26
Assessment at the Body with Audio PMMN4024A

Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/9/2011 1:46:11 PM, Date/Time: 8/9/2011 1:59:22 PM, Date/Time: 8/9/2011 2:05:35 PM

Robot# / Run#: DASY5-FL-2 / ErC-Ab-110809-11
Phantom# / Tissue Temp.: OVAL1090 / 21.2 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 438.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN7008A/ PMMN4024A
Start Power: 5.88 (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: 10.45 mW/g (1g); 7.44 mW/g (10g)

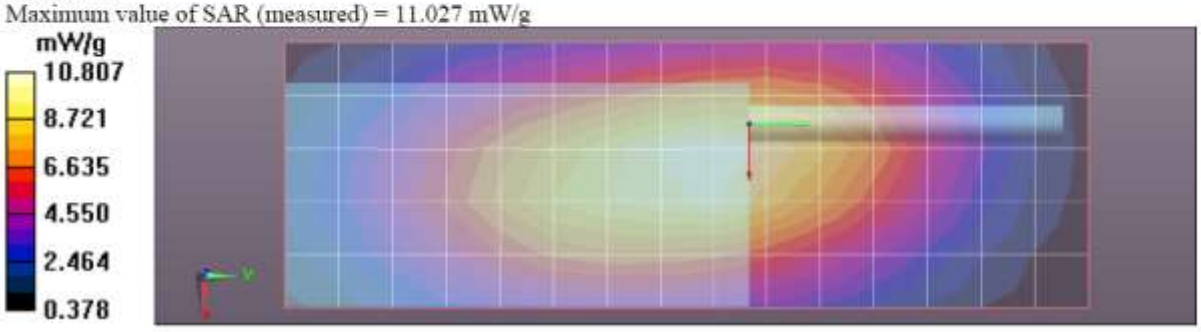
Comments: Full Scan

Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 438 MHz; σ = 0.93 mho/m; ε_r = 56.8; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 10.807 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 101.4 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 15.033 W/kg
SAR(1 g) = 10.4 mW/g; SAR(10 g) = 7.42 mW/g
Maximum value of SAR (measured) = 11.016 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 11.027 mW/g



Section 13.12 Table 27
Assessment at the Body with Audio PMLN5101A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/9/2011 2:18:54 PM, Date/Time: 8/9/2011 2:32:08 PM, Date/Time: 8/9/2011 2:38:22 PM

Robot# / Run#: DASY5-FL-2 / ErC-Ab-110809-12
Phantom# / Tissue Temp.: OVAL1090 / 21.3 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 438.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN7008A/ PMLN5101A
Start Power: 5.89 (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: 10.02 mW/g (1g); 7.12 mW/g (10g)

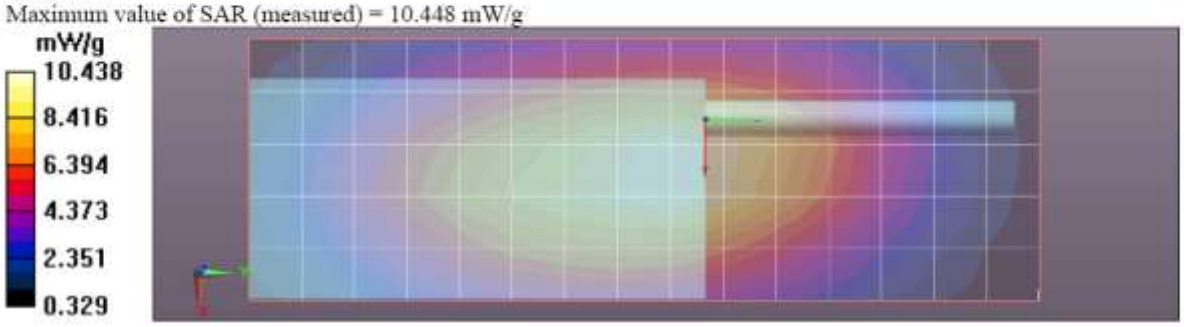
Comments: Full Scan

Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 438 MHz; σ = 0.93 mho/m; ε_r = 56.8; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 10.438 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 98.717 V/m; Power Drift = -0.37 dB
Peak SAR (extrapolated) = 14.252 W/kg
SAR(1 g) = 9.98 mW/g; SAR(10 g) = 7.1 mW/g
Maximum value of SAR (measured) = 10.590 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 10.448 mW/g



Section 13.13 Table 28
Assessment at the Body with Audio PMLN5275C

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/9/2011 2:51:55 PM, Date/Time: 8/9/2011 3:05:06 PM, Date/Time: 8/9/2011 3:11:17 PM

Robot# / Run#: DASY5-FL-2 / ErC-Ab-110809-13
Phantom# / Tissue Temp.: OVAL1090 / 21.3 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 438.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN7008A/ PMLN5275C
Start Power: 5.91 (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: 10.45 mW/g (1g); 7.43 mW/g (10g)

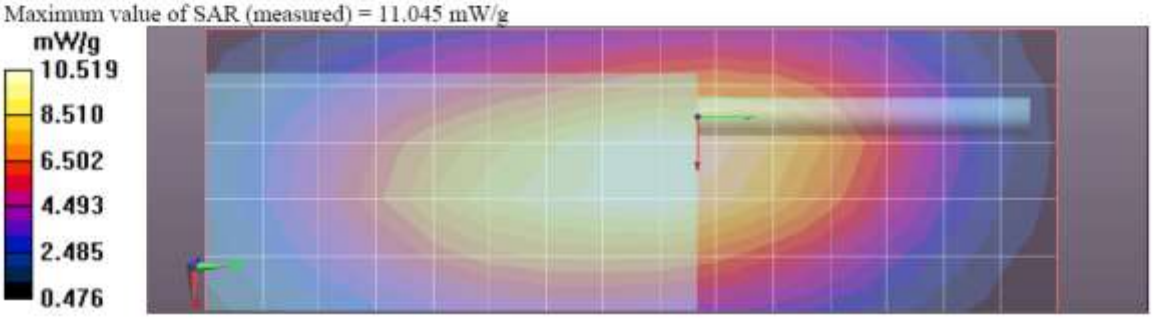
Comments: Full Scan

Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 438 MHz; σ = 0.93 mho/m; ε_r = 56.8; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 10.519 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 100.5 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 14.996 W/kg
SAR(1 g) = 10.4 mW/g; SAR(10 g) = 7.41 mW/g
Maximum value of SAR (measured) = 10.989 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 11.045 mW/g



Section 13.14 Table 29
Assessment at the Body with Audio RMN5058A

Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/9/2011 3:24:10 PM, Date/Time: 8/9/2011 3:37:23 PM, Date/Time: 8/9/2011 3:43:34 PM

Robot# / Run#: DASY5-FL-2 / ErC-Ab-110809-14
Phantom# / Tissue Temp.: OVAL1090 / 21.2 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 438.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN7008A/ RMN5058A
Start Power: 5.90 (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: 11.05 mW/g (1g); 7.81 mW/g (10g)

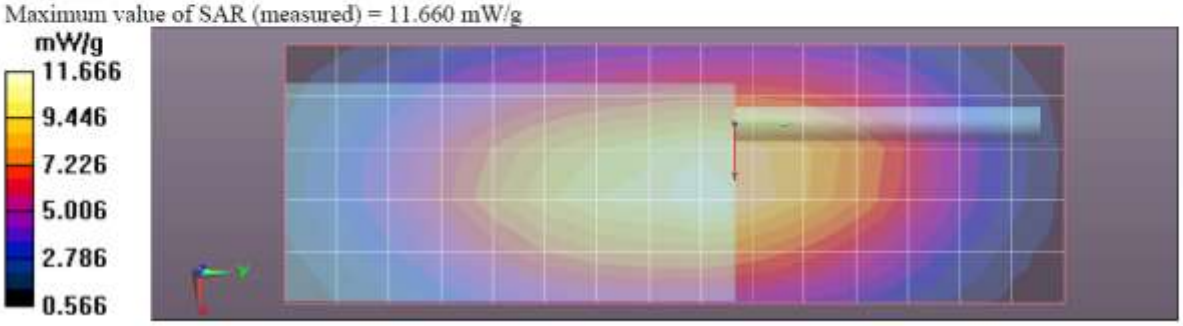
Comments: Full Scan

Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 438 MHz; σ = 0.93 mho/m; ε_r = 56.8; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 11.666 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 100.8 V/m; Power Drift = -0.25 dB
Peak SAR (extrapolated) = 16.050 W/kg
SAR(1 g) = 11 mW/g; SAR(10 g) = 7.79 mW/g
Maximum value of SAR (measured) = 11.795 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 11.660 mW/g



Section 13.15 Table 30
Assessment at the Body with Audio ZMN6031A/NNTN7869A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/9/2011 4:16:28 PM, Date/Time: 8/9/2011 4:26:47 PM, Date/Time: 8/9/2011 4:29:38 PM, Date/Time: 8/9/2011 4:35:49 PM

Robot# / Run#: DASY5-FL-2 / CM-Ab-110809-15
Phantom# / Tissue Temp.: OVAL1090 / 21.2 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 438.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN7008A/ ZMN6031A with NNTN7869A
Start Power: 5.92 (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: 8.17 mW/g (1g); 5.79 mW/g (10g)

Comments: Full Scan

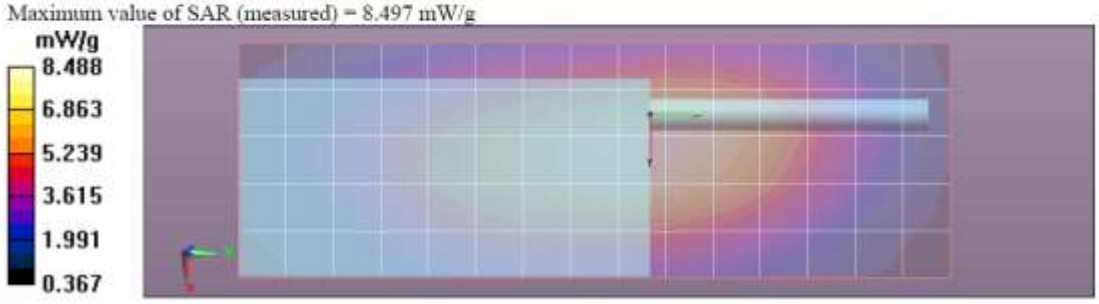
Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 438 MHz; σ = 0.93 mho/m; ε_r = 56.8; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 90.437 V/m; Power Drift = -0.066 dB
Motorola Fast SAR: SAR(1 g) = 8.29 mW/g; SAR(10 g) = 6.06 mW/g
Maximum value of SAR (interpolated) = 8.779 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 90.437 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = Not Specified W/kg
Motorola Fast SAR: SAR(1 g) = 8.26 mW/g; SAR(10 g) = 5.99 mW/g
Maximum value of SAR (interpolated) = 8.722 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 90.437 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 11.739 W/kg
SAR(1 g) = 8.13 mW/g; SAR(10 g) = 5.78 mW/g
Maximum value of SAR (measured) = 8.564 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 8.497 mW/g



Section 13.16 Table 31
Assessment at the Body with Audio ZMN6032A/NNTN7869A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/9/2011 4:54:44 PM, Date/Time: 8/9/2011 5:05:07 PM, Date/Time: 8/9/2011 5:07:58 PM, Date/Time: 8/9/2011 5:14:09 PM

Robot# / Run#: DASY5-FL-2 / CM-Ab-110809-16
Phantom# / Tissue Temp.: OVAL1090 / 21.2 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 438.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN7008A/ ZMN6032A with NNTN7869A
Start Power: 5.91 (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: 8.72 mW/g (1g); 6.18 mW/g (10g)

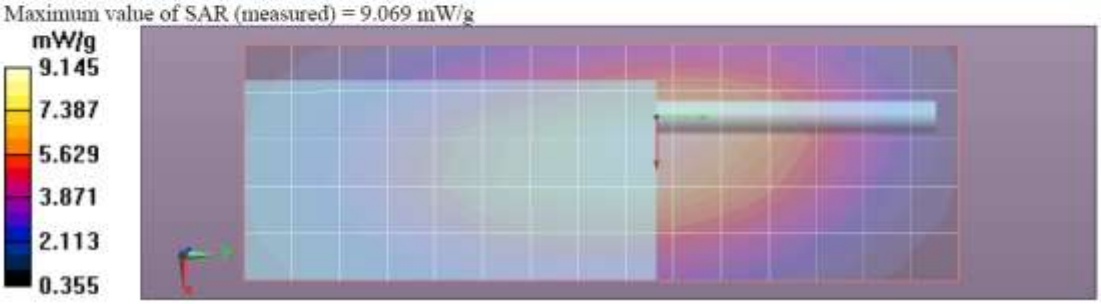
Comments: Full Scan
Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 438 MHz; σ = 0.93 mho/m; ε_r = 56.8; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 95.631 V/m; Power Drift = -0.16 dB
Motorola Fast SAR: SAR(1 g) = 8.89 mW/g; SAR(10 g) = 6.48 mW/g
Maximum value of SAR (interpolated) = 9.419 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 95.631 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = Not Specified W/kg
Motorola Fast SAR: SAR(1 g) = 8.84 mW/g; SAR(10 g) = 6.4 mW/g
Maximum value of SAR (interpolated) = 9.321 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 95.631 V/m; Power Drift = -0.28 dB
Peak SAR (extrapolated) = 12.513 W/kg
SAR(1 g) = 8.68 mW/g; SAR(10 g) = 6.16 mW/g
Maximum value of SAR (measured) = 9.222 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 9.069 mW/g



Section 13.17 Table 32
Assessment at the Body with Audio BDN6731A/BDN6783A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/9/2011 5:27:30 PM, Date/Time: 8/9/2011 5:37:49 PM, Date/Time: 8/9/2011 5:40:42 PM, Date/Time: 8/9/2011 5:46:52 PM

Robot# / Run#: DASY5-FL-2 / CM-Ab-110809-17
Phantom# / Tissue Temp.: OVAL1090 / 21.3 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 438.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN7008A/ BDN6783A with BDN6731A
Start Power: 5.92 (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: 10.85 mW/g (1g); 7.70 mW/g (10g)

Comments: Full Scan

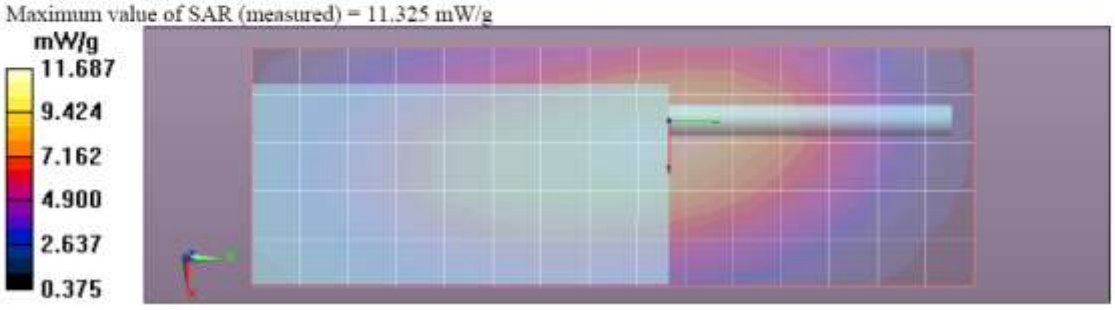
Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 438 MHz; σ = 0.93 mho/m; ε_r = 56.8; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 107.3 V/m; Power Drift = -0.055 dB
Motorola Fast SAR: SAR(1 g) = 11.1 mW/g; SAR(10 g) = 8.04 mW/g
Maximum value of SAR (interpolated) = 11.724 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 107.3 V/m; Power Drift = -0.085 dB
Peak SAR (extrapolated) = Not Specified W/kg
Motorola Fast SAR: SAR(1 g) = 10.9 mW/g; SAR(10 g) = 7.91 mW/g
Maximum value of SAR (interpolated) = 11.456 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 107.3 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 15.636 W/kg
SAR(1 g) = 10.8 mW/g; SAR(10 g) = 7.68 mW/g
Maximum value of SAR (measured) = 11.452 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 11.325 mW/g



Section 13.18 Table 33
Assessment at the Body with Audio BDN6732A/BDN6783A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/9/2011 6:01:15 PM, Date/Time: 8/9/2011 6:11:33 PM, Date/Time: 8/9/2011 6:14:24 PM, Date/Time: 8/9/2011 6:20:36 PM

Robot# / Run#: DASY5-FL-2 / CM-Ab-110809-18
Phantom# / Tissue Temp.: OVAL1090 / 21.3 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 438.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN7008A/ BDN6783A with BDN6732A
Start Power: 5.90 (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: 10.14 mW/g (1g); 7.25 mW/g (10g)

Comments: Full Scan

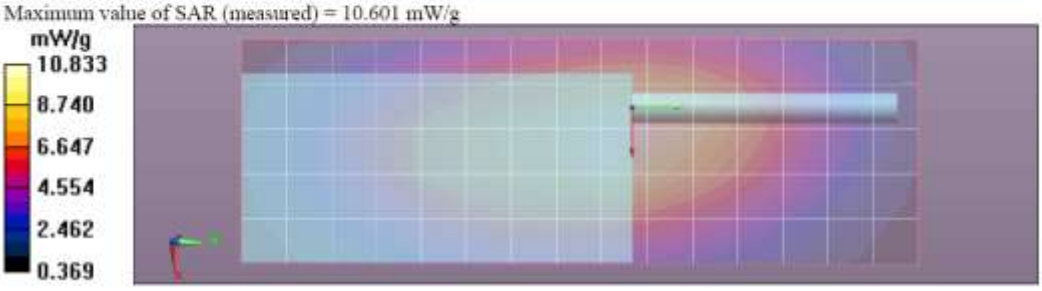
Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 438 MHz; σ = 0.93 mho/m; ε_r = 56.8; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 104.5 V/m; Power Drift = -0.18 dB
Motorola Fast SAR: SAR(1 g) = 10.4 mW/g; SAR(10 g) = 7.62 mW/g
Maximum value of SAR (interpolated) = 11.023 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 104.5 V/m; Power Drift = -0.22 dB
Peak SAR (extrapolated) = Not Specified W/kg
Motorola Fast SAR: SAR(1 g) = 10.3 mW/g; SAR(10 g) = 7.47 mW/g
Maximum value of SAR (interpolated) = 10.904 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 104.5 V/m; Power Drift = -0.32 dB
Peak SAR (extrapolated) = 14.354 W/kg
SAR(1 g) = 10.1 mW/g; SAR(10 g) = 7.23 mW/g
Maximum value of SAR (measured) = 10.743 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 10.601 mW/g



Section 13.19 Table 34
Assessment at the Body with Audio BDN6780A/BDN6783A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/9/2011 6:35:45 PM, Date/Time: 8/9/2011 6:46:03 PM, Date/Time: 8/9/2011 6:48:56 PM, Date/Time: 8/9/2011 6:55:06 PM

Robot# / Run#: DASY5-FL-2 / CM-Ab-110809-19
Phantom# / Tissue Temp.: OVAL1090 / 21.3 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 438.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN7008A/ BDN6783A with BDN6780A
Start Power: 5.90 (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: 10.04 mW/g (1g); 7.11 mW/g (10g)

Comments: Full Scan

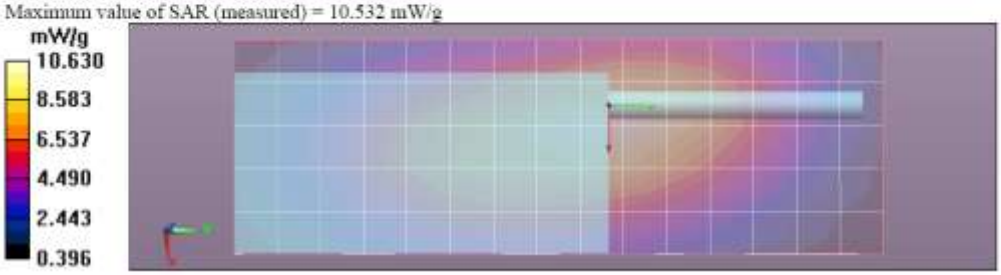
Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 438 MHz; σ = 0.93 mho/m; ε_r = 56.8; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 104.0 V/m; Power Drift = -0.11 dB
Motorola Fast SAR: SAR(1 g) = 10.1 mW/g; SAR(10 g) = 7.38 mW/g
Maximum value of SAR (interpolated) = 10.729 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 104.0 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = Not Specified W/kg
Motorola Fast SAR: SAR(1 g) = 10.1 mW/g; SAR(10 g) = 7.29 mW/g
Maximum value of SAR (interpolated) = 10.642 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 104.0 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 14.500 W/kg
SAR(1 g) = 10 mW/g; SAR(10 g) = 7.09 mW/g
Maximum value of SAR (measured) = 10.636 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 10.532 mW/g



Section 13.20 Table 35
Assessment of wireless BT configuration

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/9/2011 7:08:22 PM, Date/Time: 8/9/2011 7:18:40 PM, Date/Time: 8/9/2011 7:21:31 PM, Date/Time: 8/9/2011 7:27:42 PM

Robot# / Run#: DASY5-FL-2 / CM-Ab-110809-20
Phantom# / Tissue Temp.: OVAL1090 / 21.3 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 438.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN7008A/ NONE
Start Power: 5.91 (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: 12.66 mW/g (1g); 8.99 mW/g (10g)

Comments: Full Scan

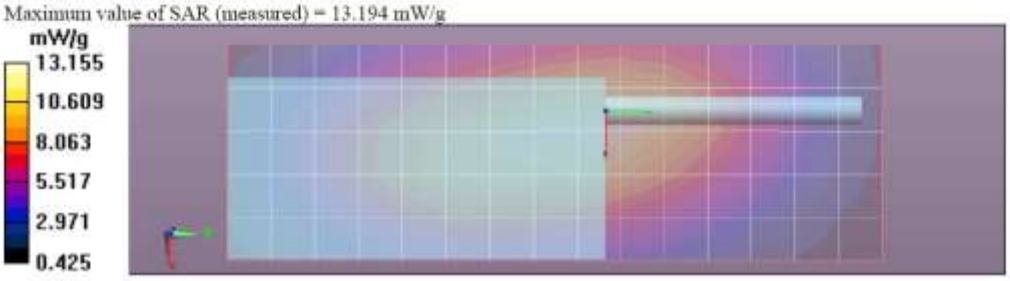
Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 438 MHz; σ = 0.93 mho/m; ε_r = 56.8; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 113.9 V/m; Power Drift = 0.0065 dB
Motorola Fast SAR: SAR(1 g) = 12.5 mW/g; SAR(10 g) = 9.09 mW/g
Maximum value of SAR (interpolated) = 13.184 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 113.9 V/m; Power Drift = -0.022 dB
Peak SAR (extrapolated) = Not Specified W/kg
Motorola Fast SAR: SAR(1 g) = 12.7 mW/g; SAR(10 g) = 9.21 mW/g
Maximum value of SAR (interpolated) = 13.369 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 113.9 V/m; Power Drift = -0.064 dB
Peak SAR (extrapolated) = 18.111 W/kg
SAR(1 g) = 12.6 mW/g; SAR(10 g) = 8.97 mW/g
Maximum value of SAR (measured) = 13.304 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 13.194 mW/g



Section 13.23 Table 39
Assessment at the Face of offered antennas

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/9/2011 9:26:13 PM, Date/Time: 8/9/2011 9:36:46 PM, Date/Time: 8/9/2011 9:39:47 PM, Date/Time: 8/9/2011 9:46:03 PM

Robot# / Run#: DASY5-FL-2 / CM-Face-110809-23
Phantom# / Tissue Temp.: OVAL1108 / 21.0 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 406.1250 (MHz)
Battery: NNTN8129A
Carry Acc. / Cable Acc.: NONE / NONE
Start Power: 5.87 (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: 5.94 mW/g (1g); 4.45 mW/g (10g)

Comments: Full Scan; Front of radio facing phantom at 2.5 cm.

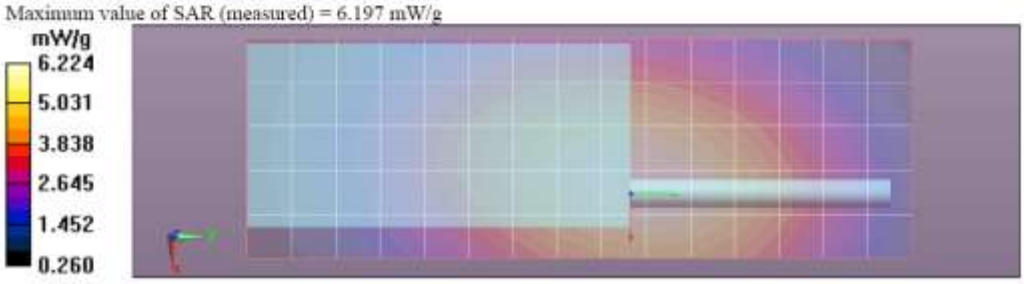
Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(6.94, 6.94, 6.94)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 406 MHz; σ = 0.87 mho/m; ε_r = 45.4; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Face Scan/1-Area Scan (51x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 85.515 V/m; Power Drift = -0.044 dB
Motorola Fast SAR: SAR(1 g) = 5.99 mW/g; SAR(10 g) = 4.48 mW/g
Maximum value of SAR (interpolated) = 6.283 mW/g

Below 3 GHz-Rev.4e/Face Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 85.515 V/m; Power Drift = -0.076 dB
Peak SAR (extrapolated) = Not Specified W/kg
Motorola Fast SAR: SAR(1 g) = 5.96 mW/g; SAR(10 g) = 4.45 mW/g
Maximum value of SAR (interpolated) = 6.232 mW/g

Below 3 GHz-Rev.4e/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 85.515 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 7.722 W/kg
SAR(1 g) = 5.86 mW/g; SAR(10 g) = 4.4 mW/g
Maximum value of SAR (measured) = 6.131 mW/g

Below 3 GHz-Rev.4e/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 6.197 mW/g



Section 13.23 Table 40
Assessment at the Face of offered antennas

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/9/2011 10:56:18 PM, Date/Time: 8/9/2011 11:08:42 PM, Date/Time: 8/9/2011 11:11:40 PM, Date/Time: 8/9/2011 11:17:58 PM

Robot# / Run#: DASY5-FL-2 / CM-Face-110809-24
Phantom# / Tissue Temp.: OVAL1108 / 21.0 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: PMAE4065A / 406.1250 (MHz)
Battery: NNTN8129A
Carry Acc. / Cable Acc.: NONE / NONE
Start Power: 5.88 (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: 6.64 mW/g (1g); 4.97 mW/g (10g)

Comments: Full Scan; Front of radio facing phantom at 2.5 cm.

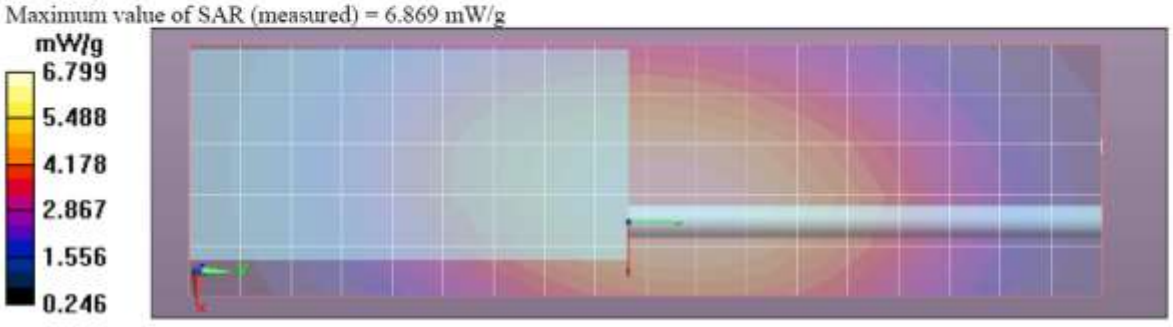
Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(6.94, 6.94, 6.94)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 406 MHz; σ = 0.87 mho/m; ε_r = 45.4; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Face Scan/1-Area Scan (51x181x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 86.329 V/m; Power Drift = 0.10 dB
Motorola Fast SAR: SAR(1 g) = 6.53 mW/g; SAR(10 g) = 4.88 mW/g
Maximum value of SAR (interpolated) = 6.843 mW/g

Below 3 GHz-Rev.4e/Face Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 86.329 V/m; Power Drift = 0.097 dB
Peak SAR (extrapolated) = Not Specified W/kg
Motorola Fast SAR: SAR(1 g) = 6.58 mW/g; SAR(10 g) = 4.9 mW/g
Maximum value of SAR (interpolated) = 6.911 mW/g

Below 3 GHz-Rev.4e/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 86.329 V/m; Power Drift = 0.056 dB
Peak SAR (extrapolated) = 8.621 W/kg
SAR(1 g) = 6.55 mW/g; SAR(10 g) = 4.92 mW/g
Maximum value of SAR (measured) = 6.879 mW/g

Below 3 GHz-Rev.4e/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 6.869 mW/g



Section 13.23 Table 41
Assessment at the Face with other battery

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/9/2011 11:38:33 PM, Date/Time: 8/9/2011 11:51:00 PM, Date/Time: 8/9/2011 11:53:57 PM, Date/Time: 8/10/2011 12:00:11 AM

Robot# / Run#: DASY5-FL-2 / CM-Face-110809-25
Phantom# / Tissue Temp.: OVAL1108 / 21.0 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: PMAE4065A / 406.1250 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: NONE / NONE
Start Power: 5.89 (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: 4.37 mW/g (1g); 3.28 mW/g (10g)

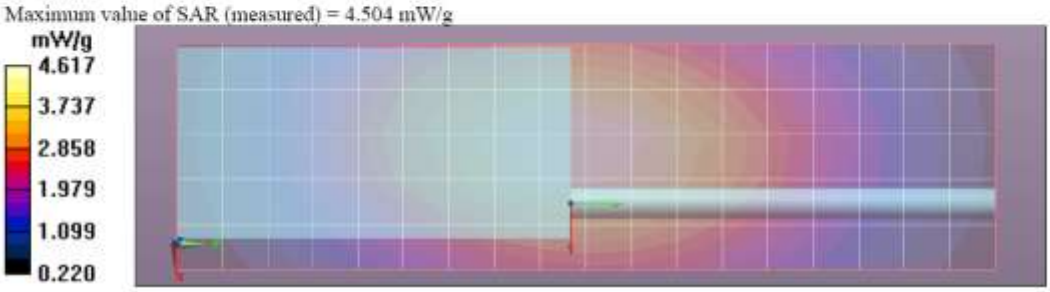
Comments: Full Scan; Front of radio facing phantom at 2.5 cm.
Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(6.94, 6.94, 6.94)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 406 MHz; σ = 0.87 mho/m; ε_r = 45.4; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Face Scan/1-Area Scan (51x181x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 68.462 V/m; Power Drift = -0.048 dB
Motorola Fast SAR: SAR(1 g) = 4.44 mW/g; SAR(10 g) = 3.32 mW/g
Maximum value of SAR (interpolated) = 4.660 mW/g

Below 3 GHz-Rev.4e/Face Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 68.462 V/m; Power Drift = -0.092 dB
Peak SAR (extrapolated) = Not Specified W/kg
Motorola Fast SAR: SAR(1 g) = 4.37 mW/g; SAR(10 g) = 3.27 mW/g
Maximum value of SAR (interpolated) = 4.570 mW/g

Below 3 GHz-Rev.4e/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 68.462 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 5.648 W/kg
SAR(1 g) = 4.31 mW/g; SAR(10 g) = 3.25 mW/g
Maximum value of SAR (measured) = 4.525 mW/g

Below 3 GHz-Rev.4e/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 4.504 mW/g



Section 13.25 Table 44
Assessment of the BT band

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/19/2011 8:49:18 AM, Date/Time: 8/19/2011 9:02:30 AM, Date/Time: 8/19/2011 9:08:40 AM

Robot# / Run#: DASY5-FL-2 / ErC-Ab-110819-04
Phantom# / Tissue Temp.: OVAL1022 / 20.8 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 2441.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN7008A/ NONE
Start Power: 0.01 (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: 0.0041 mW/g (1g); 0.0009 mW/g (10g)

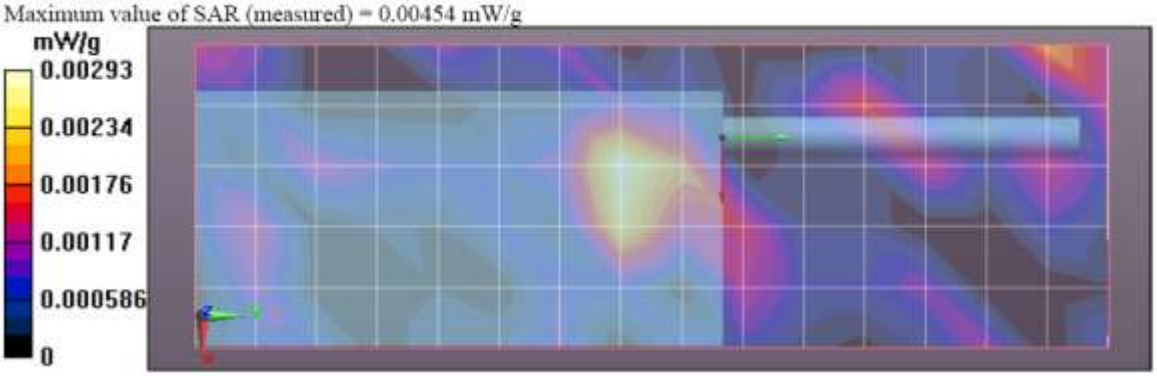
Comments: Full Scan

Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(4.3, 4.3, 4.3)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 2441 MHz; σ = 2 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (6x16x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.00293 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 0.429 V/m; Power Drift = -2.90 dB
Peak SAR (extrapolated) = 0.020 W/kg
SAR(1 g) = 0.00402 mW/g; SAR(10 g) = 0.000847 mW/g
Maximum value of SAR (measured) = 0.00404 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.00454 mW/g



APPENDIX G
DUT Scans Outside Part 90 (380.0 – 406.1 MHz)
Data enclosed for this appendix is not applicable for FCC part 90

Section 13.21 Table 36
Outside FCC Part 90 at the body

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/10/2011 5:03:02 PM, Date/Time: 8/10/2011 5:13:16 PM, Date/Time: 8/10/2011 5:16:10 PM, Date/Time: 8/10/2011 5:22:20 PM

Robot# / Run#: DASY5-FL-2 / CM-Ab-110810-04
Phantom# / Tissue Temp.: OVAL1090 / 21.0 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 393.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN7008A/ NONE
Start Power: 5.93 (W)

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

Reported SAR: 2.72 mW/g (1g): 1.95 mW/g (10g)

Comments: Full Scan

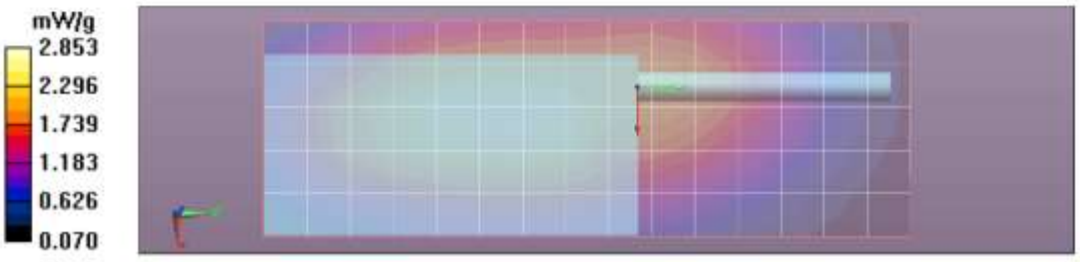
Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 393 MHz; σ = 0.89 mho/m; ε_r = 57.4; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 54.272 V/m; Power Drift = -0.083 dB
Motorola Fast SAR: SAR(1 g) = 2.74 mW/g; SAR(10 g) = 2.03 mW/g
Maximum value of SAR (interpolated) = 2.887 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 54.272 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = Not Specified W/kg
Maximum value of SAR (interpolated) = 2.885 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 54.272 V/m; Power Drift = -0.25 dB
Peak SAR (extrapolated) = 3.755 W/kg
SAR(1 g) = 2.66 mW/g; SAR(10 g) = 1.93 mW/g
Maximum value of SAR (measured) = 2.790 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.754 mW/g



Section 13.21 Table 37
Outside FCC Part 90 at the body

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/10/2011 6:12:34 PM, Date/Time: 8/10/2011 6:25:16 PM, Date/Time: 8/10/2011 6:28:09 PM, Date/Time: 8/10/2011 6:36:57 PM

Robot# / Run#: DASY5-FL-2 / CM-Ab-110810-06
Phantom# / Tissue Temp.: OVAL1090 / 21.0 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: PMEA4065A / 393.0000 (MHz)
Battery: NNTN8128A
Carry Acc. / Cable Acc.: PMLN7008A/ NONE
Start Power: 5.92 (W)

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

Reported SAR: 2.92 mW/g (1g); 2.09 mW/g (10g)

Comments: Full Scan

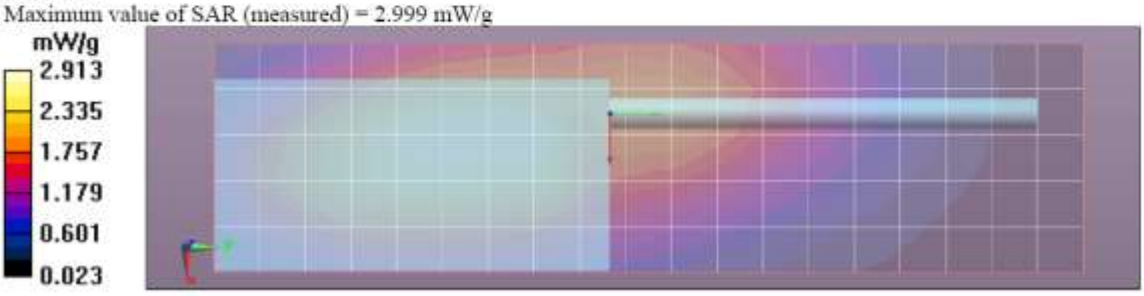
Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(7.46, 7.46, 7.46)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 393 MHz; σ = 0.89 mho/m; ε_r = 57.4; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Ab Scan/1-Area Scan (51x191x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 53.757 V/m; Power Drift = 0.17 dB
Motorola Fast SAR: SAR(1 g) = 2.83 mW/g; SAR(10 g) = 2.09 mW/g
Maximum value of SAR (interpolated) = 3.017 mW/g

Below 3 GHz-Rev.4e/Ab Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 53.757 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = Not Specified W/kg
Motorola Fast SAR: SAR(1 g) = 2.87 mW/g; SAR(10 g) = 2.1 mW/g
Maximum value of SAR (interpolated) = 3.052 mW/g

Below 3 GHz-Rev.4e/Ab Scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 53.757 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 4.187 W/kg
SAR(1 g) = 2.86 mW/g; SAR(10 g) = 2.07 mW/g
Maximum value of SAR (measured) = 3.001 mW/g

Below 3 GHz-Rev.4e/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.999 mW/g



Section 13.24 Table 42
Outside FCC Part 90 at the face

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/10/2011 8:09:38 PM, Date/Time: 8/10/2011 8:20:30 PM, Date/Time: 8/10/2011 8:23:31 PM, Date/Time: 8/10/2011 8:29:50 PM

Robot# / Run#: DASY5-FL-2 / CM-Face-110810-09
Phantom# / Tissue Temp.: OVAL1108 / 21.5 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: FAF5259A / 393.0000 (MHz)
Battery: NNTN8129A
Carry Acc. / Cable Acc.: NONE / NONE
Start Power: 5.85 (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: 3.69 mW/g (1g); 2.76 mW/g (10g)

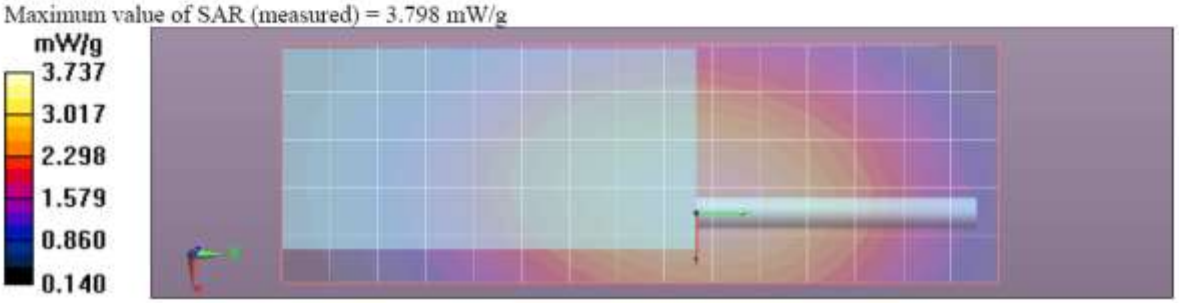
Comments: Full Scan; Front of radio facing phantom at 2.5 cm.
Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(6.94, 6.94, 6.94)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 393 MHz; σ = 0.84 mho/m; ε_r = 45.4; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Face Scan/1-Area Scan (51x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 66.478 V/m; Power Drift = 0.12 dB
Motorola Fast SAR: SAR(1 g) = 3.58 mW/g; SAR(10 g) = 2.68 mW/g
Maximum value of SAR (interpolated) = 3.757 mW/g

Below 3 GHz-Rev.4e/Face Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 66.478 V/m; Power Drift = 0.095 dB
Peak SAR (extrapolated) = Not Specified W/kg
Motorola Fast SAR: SAR(1 g) = 3.63 mW/g; SAR(10 g) = 2.71 mW/g
Maximum value of SAR (interpolated) = 3.791 mW/g

Below 3 GHz-Rev.4e/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 66.478 V/m; Power Drift = 0.085 dB
Peak SAR (extrapolated) = 4.727 W/kg
SAR(1 g) = 3.6 mW/g; SAR(10 g) = 2.72 mW/g
Maximum value of SAR (measured) = 3.771 mW/g

Below 3 GHz-Rev.4e/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.798 mW/g



Section 13.24 Table 43
Outside FCC Part 90 at the face

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/10/2011 9:42:03 PM, Date/Time: 8/10/2011 9:55:31 PM, Date/Time: 8/10/2011 9:58:32 PM, Date/Time: 8/10/2011 10:04:49 PM

Robot# / Run#: DASY5-FL-2 / CM-Face-110810-11
Phantom# / Tissue Temp.: OVAL1108 / 21.5 (C)
DUT Model# / Serial#: H51QDH9PW7AN (MUE3775) / 426TMM0405
Antenna / TX Freq.: PMAE4065A / 393.0000 (MHz)
Battery: NNTN8129A
Carry Acc. / Cable Acc.: NONE / NONE
Start Power: 5.86 (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: 4.80 mW/g (1g); 3.58 mW/g (10g)

Comments: Full Scan; Front of radio facing phantom at 2.5 cm.

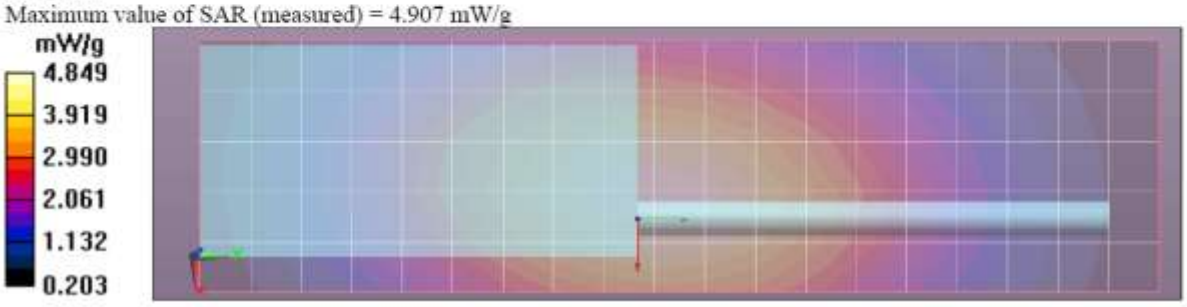
Probe: ES3DV3 - SN3291, Calibrated: 7/22/2011, ConvF(6.94, 6.94, 6.94)
Electronics: DAE4 Sn850, Calibrated: 7/22/2011
Duty Cycle: 1:1, Medium parameters used: f = 393 MHz; σ = 0.84 mho/m; ε_r = 45.4; ρ = 1000 kg/m^3

Below 3 GHz-Rev.4e/Face Scan/1-Area Scan (51x191x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 74.726 V/m; Power Drift = 0.15 dB
Motorola Fast SAR: SAR(1 g) = 4.63 mW/g; SAR(10 g) = 3.46 mW/g
Maximum value of SAR (interpolated) = 4.850 mW/g

Below 3 GHz-Rev.4e/Face Scan/2-Volume 2D Scan (41x41x1): Measurement grid: dx=7.5mm, dy=7.5mm, dz=1mm
Reference Value = 74.726 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = Not Specified W/kg
Motorola Fast SAR: SAR(1 g) = 4.68 mW/g; SAR(10 g) = 3.5 mW/g
Maximum value of SAR (interpolated) = 4.888 mW/g

Below 3 GHz-Rev.4e/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 74.726 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 6.147 W/kg
SAR(1 g) = 4.68 mW/g; SAR(10 g) = 3.52 mW/g
Maximum value of SAR (measured) = 4.911 mW/g

Below 3 GHz-Rev.4e/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 4.907 mW/g



APPENDIX H
DUT Supplementary Data (Power slump)

Model # H51QDH9PW7AN (MUE3775)
Serial # 426TMM0405

Battery	NNTN8128A	**Transmit Mode**	CW
Frequency	438.0000 MHz	**Audio Accessory**	None
Date	8/24/2011		

TX TIME (Minutes)	Measured Power (Watts)
0.0	5.92
1.0	5.93
2.0	5.93
3.0	5.94
4.0	5.93
5.0	5.96
6.0	5.94
7.0	5.93
8.0	5.91
9.0	5.90
10.0	5.90
11.0	5.91
12.0	5.90
13.0	5.90
14.0	5.94
15.0	5.91
16.0	5.90
17.0	5.90
18.0	5.88
19.0	5.88
20.0	5.88
21.0	5.88
22.0	5.91
23.0	5.90
24.0	5.92
25.0	5.96
26.0	5.89
27.0	5.89
28.0	5.88
29.0	5.88
30.0	5.85
31.0	5.84
32.0	5.89
33.0	5.91
34.0	5.87
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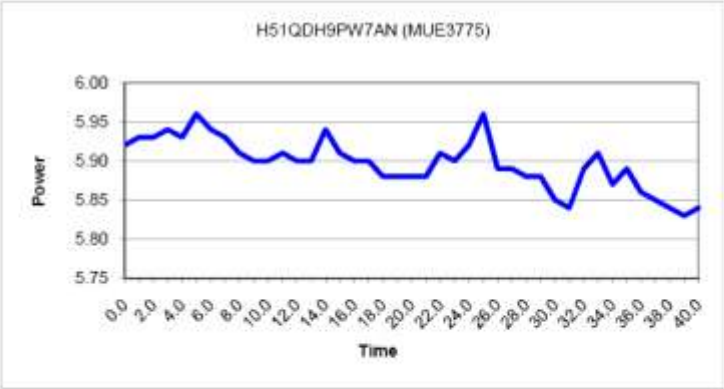
37.0	5.85
38.0	5.84
39.0	5.83
40.0	5.84



Appendix I
DUT Test Position Photos

Photos available in Exhibit 7B

Appendix J
DUT and Body worn Accessory Photos

Photos available in Exhibit 7B