

Appendix 1

SAR distribution comparisons for System Accuracy Verifications

System Accuracy Verification Measurements for Head SAR Measurements

Date/Time: 8/17/2011 8:37:53 AM

Test Laboratory: Motorola - Aug-17-2011 835 MHz Head

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN: 436TR; FCC ID: IHDP56ME1

Procedure Notes: 835 MHz System Performance Check; Dipole Sn# 436TR; Input Power = 200 mW

Sim.Temp@meas = 19.28C; Sim.Temp@SPC = 19.2*C; Room Temp @ SPC = 21.1*C

Communication System: CW - Dipole; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: Validation *HEAD Tissue*

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.11, 6.11, 6.11); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/20/2010
- Phantom: R#2_ Sugar SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1235;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Daily SPC Check/Dipole Area Scan (5x15x1):

Measurement grid: $dx=10\text{mm}$, $dy=15\text{mm}$; Maximum value of SAR (measured) = 2.08 mW/g

Daily SPC Check/0-Degree, 5x5x7 Cube (5x5x7)/Cube 0:

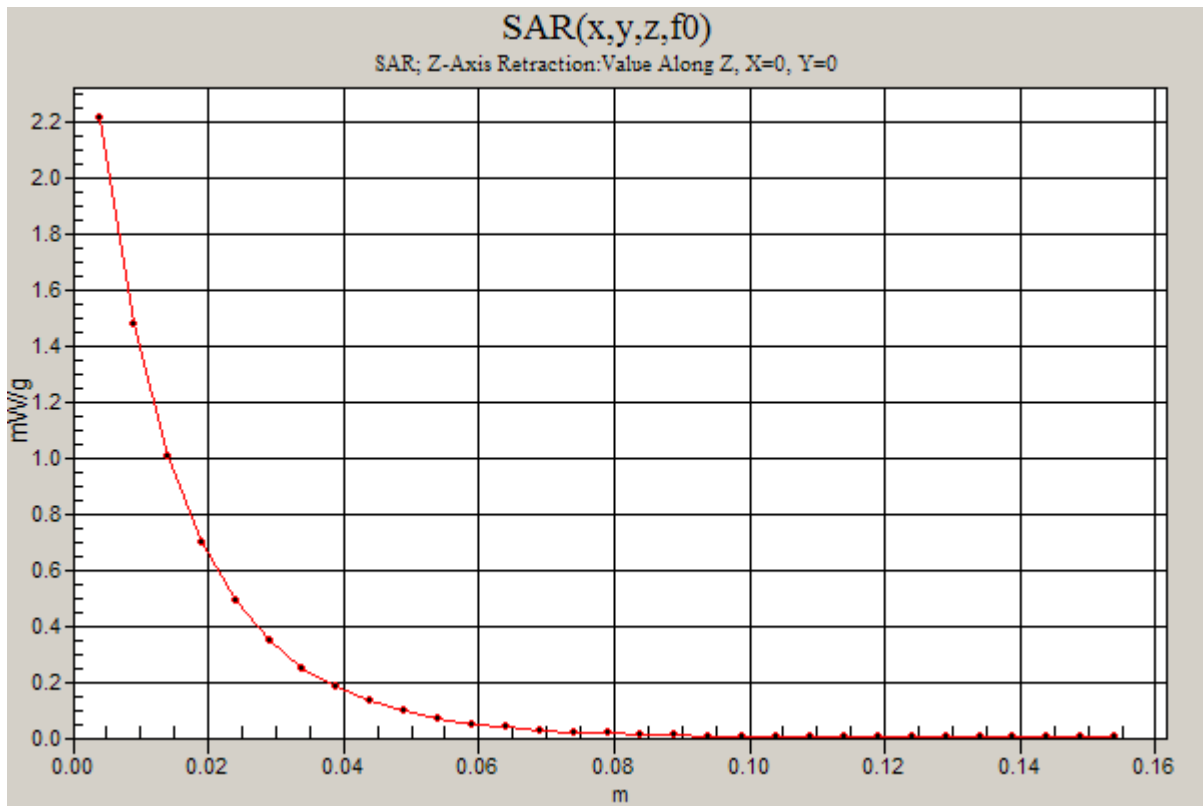
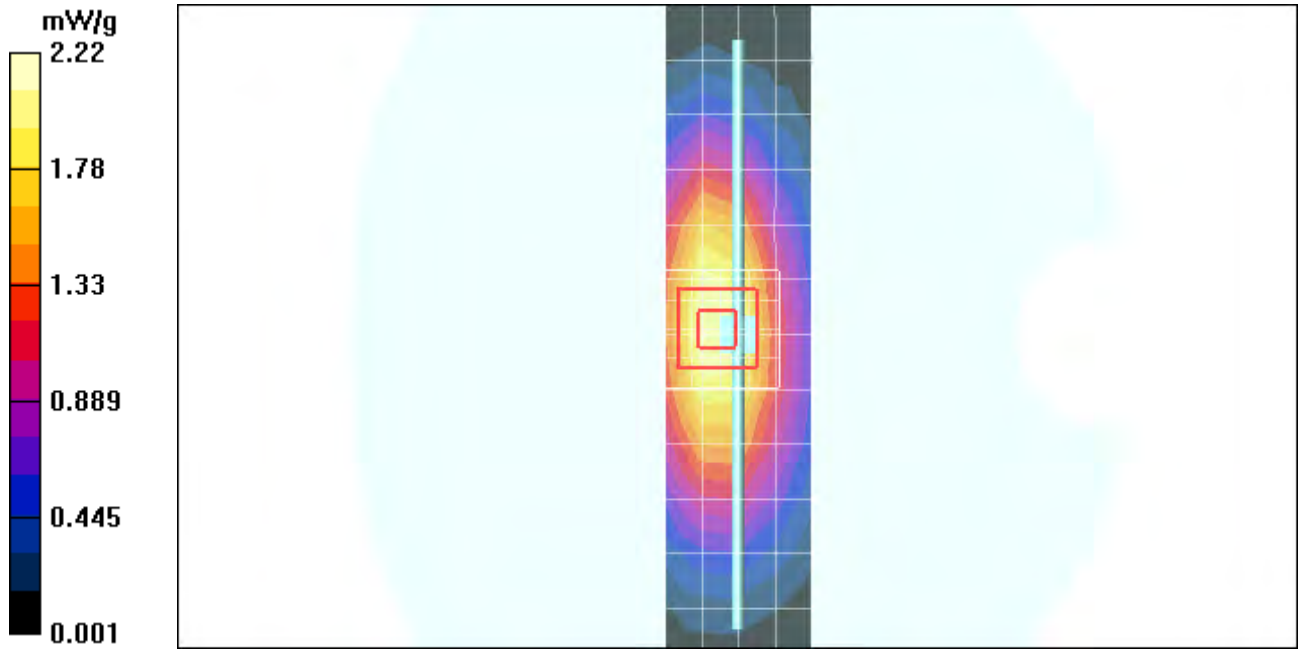
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 47.4 V/m; Power Drift = 0.064 dB; Peak SAR (extrapolated) = 3.05 W/kg

SAR(1 g) = 2.04 mW/g; SAR(10 g) = 1.32 mW/g; Maximum value of SAR (measured) = 2.21 mW/g

Daily SPC Check/Z-Axis Retraction (1x1x31):

Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=5\text{mm}$; Maximum value of SAR (measured) = 2.22 mW/g



Date/Time: 9/10/2011 7:05:17 AM

Test Laboratory: Motorola - Sep-10-2011 835 MHz Head

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN: 436TR; FCC ID: IHDP56ME1

Procedure Notes: 835 MHz System Performance Check; Dipole Sn# 436TR; Input Power = 200 mW

Sim.Temp@meas = 20.3°C; Sim.Temp@SPC = 20.3°C; Room Temp @ SPC = 21.2°C

Communication System: CW - Dipole; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: Validation *HEAD Tissue*

Medium parameters used: $f = 835$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 42.5$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.11, 6.11, 6.11); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/20/2010
- Phantom: R#2_ Sugar SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1235;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Daily SPC Check/Dipole Area Scan (9x4x1):

Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 2.09 mW/g

Daily SPC Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0:

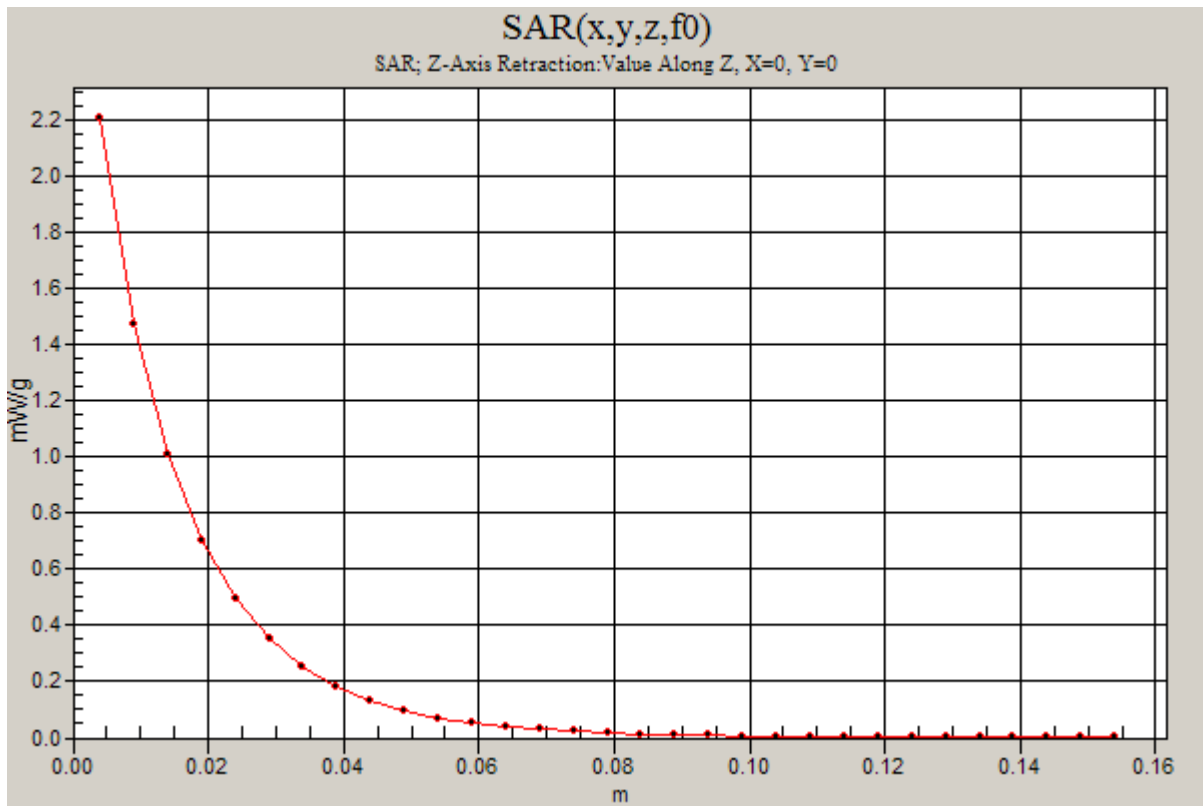
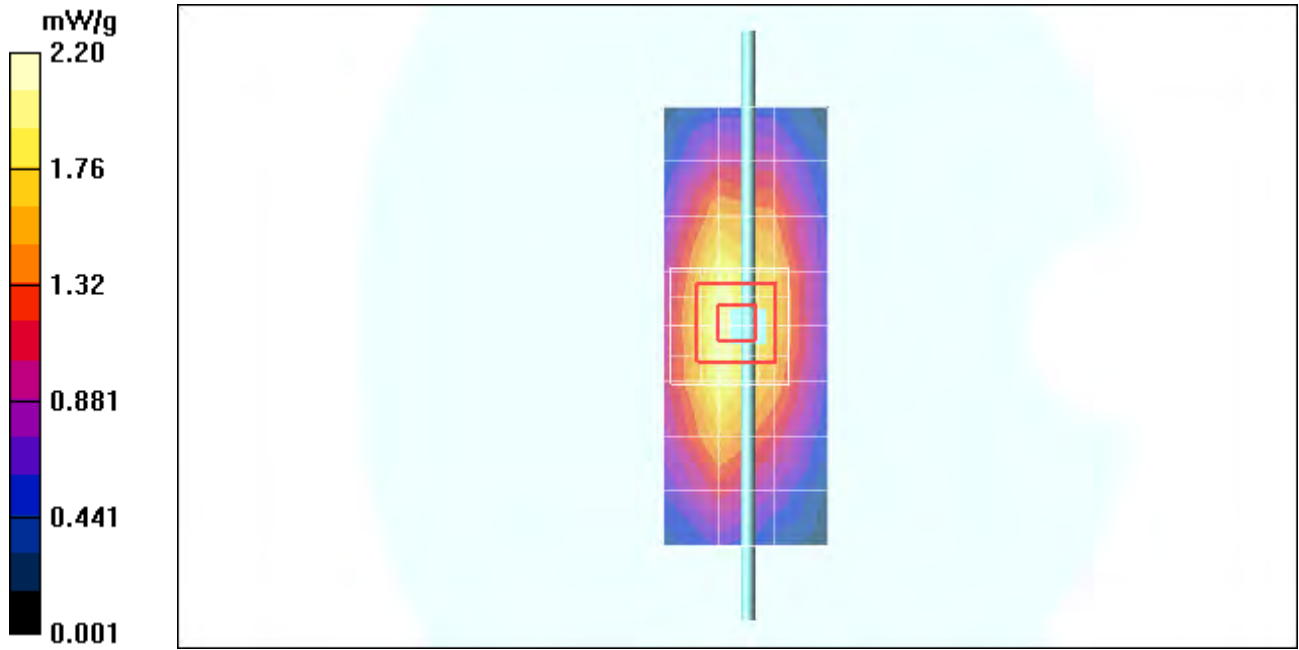
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 48.6 V/m; Power Drift = 0.007 dB; Peak SAR (extrapolated) = 3.07 W/kg

SAR(1 g) = 2.05 mW/g; SAR(10 g) = 1.34 mW/g; Maximum value of SAR (measured) = 2.20 mW/g

Daily SPC Check/Z-Axis Retraction (1x1x31):

Measurement grid: dx=20mm, dy=20mm, dz=5mm



Date/Time: 9/14/2011 1:35:42 PM

Test Laboratory: Motorola - Sep-14-2011 835 MHz Head

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN: 422TR; FCC ID: IHDP56ME1

Procedure Notes: 835 MHz System Performance Check; Dipole Sn# 422TR; Input Power = 200 mW

Sim.Temp@meas = 20.6 C; Sim.Temp@SPC = 20.6 C; Room Temp @ SPC = 21.1 C

Communication System: CW - Dipole; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: Validation *HEAD Tissue*

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.91 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$

DASY4 Configuration:

- Probe: ES3DV3 - SN3115; ConvF(5.87, 5.87, 5.87); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R#-6 SUGAR SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1131;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Daily SPC Check/Dipole Area Scan (5x15x1):

Measurement grid: $dx=10\text{mm}$, $dy=15\text{mm}$; Maximum value of SAR (measured) = 2.12 mW/g

Daily SPC Check/0-Degree, 5x5x7 Cube (5x5x7)/Cube 0:

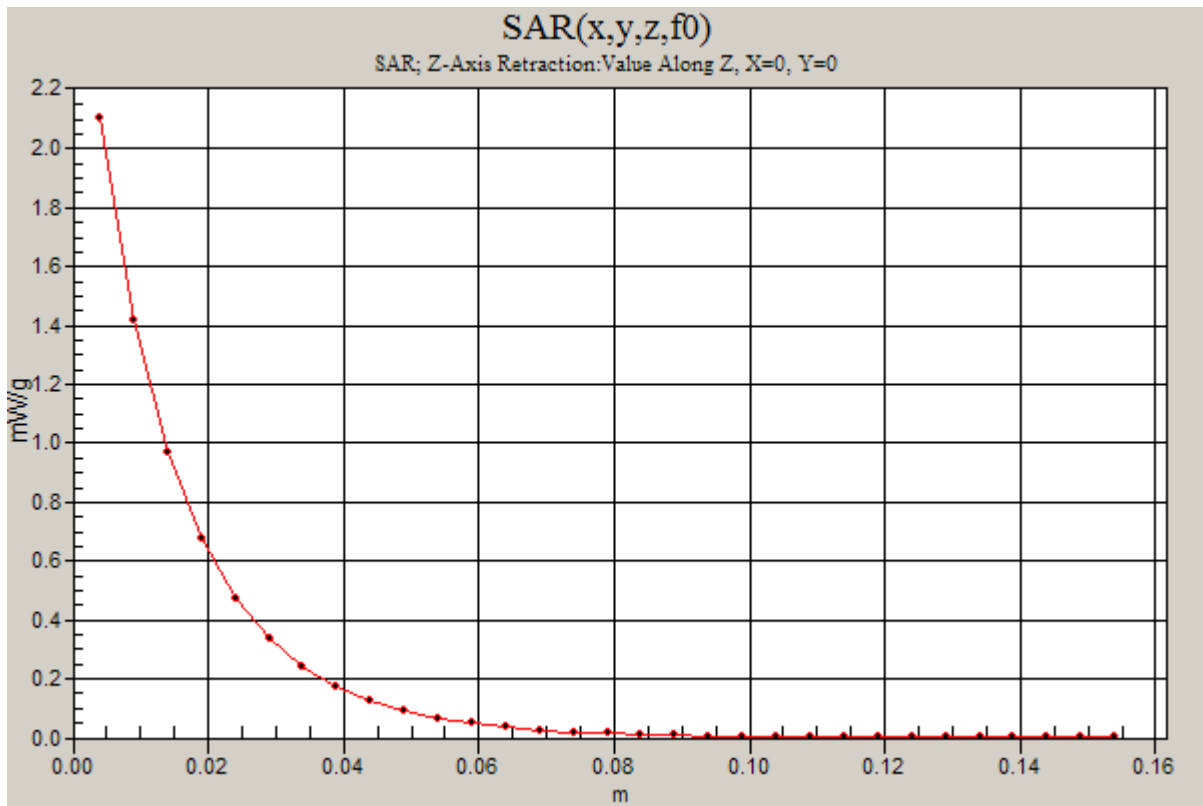
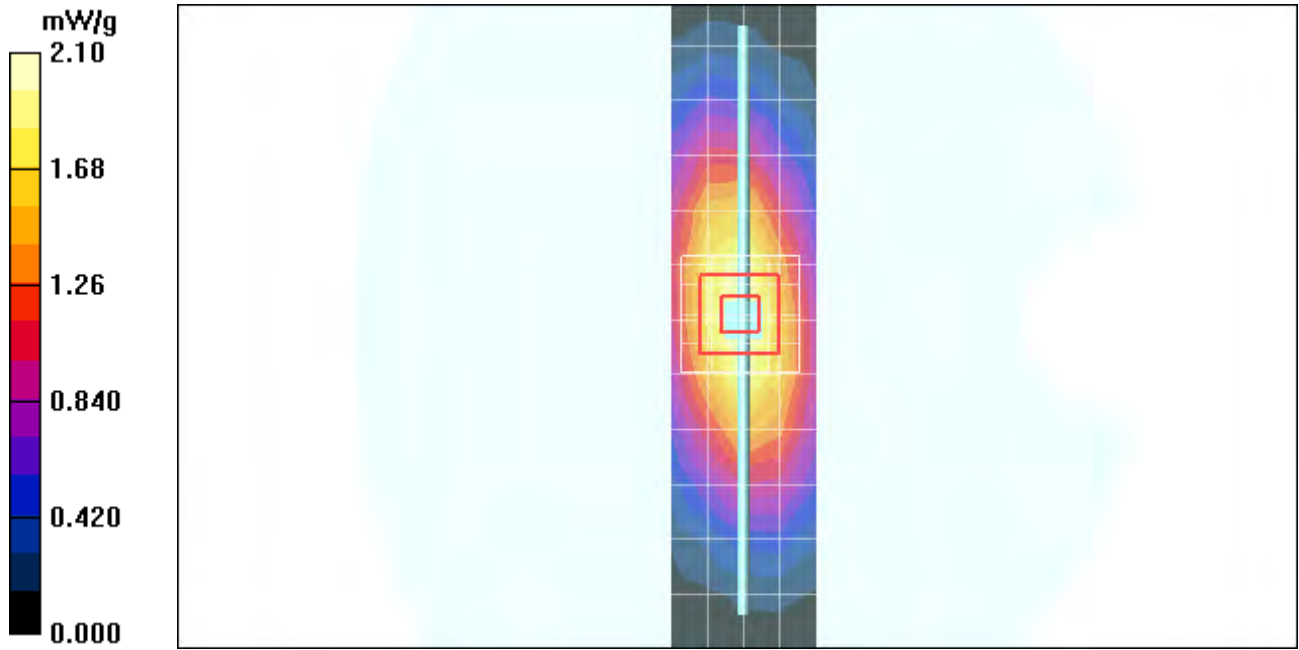
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 49.2 V/m; Power Drift = -0.010 dB; Peak SAR (extrapolated) = 2.86 W/kg

SAR(1 g) = 1.95 mW/g; SAR(10 g) = 1.28 mW/g; Maximum value of SAR (measured) = 2.11 mW/g

Daily SPC Check/Z-Axis Retraction (1x1x31):

Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=5\text{mm}$; Maximum value of SAR (measured) = 2.10 mW/g



Date/Time: 8/30/2011 1:52:21 PM

Test Laboratory: Motorola - Aug-30-2011 1800 MHz Head

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN: 250TR; FCC ID: IHDP56ME1

Procedure Notes: 1800MHz System Performance Check; Dipole Sn# 250TR; Input Power = 200 mW

Sim.Temp@meas = 19.0 C; Sim.Temp@SPC = 19.9 C; Room Temp @ SPC = 21.2 C

Communication System: CW - Dipole; Frequency: 1800 MHz; Duty Cycle: 1:1

Medium: Validation *HEAD Tissue*

Medium parameters used: $f = 1800$ MHz; $\sigma = 1.36$ mho/m; $\epsilon_r = 38.5$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3115; ConvF(5.02, 5.02, 5.02); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R#_6 - Triple Flat Phantom 5.1; Type: Triple Flat Phantom 5.1; Serial: n/a;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Daily SPC Check/Dipole Area Scan (4x15x1):

Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 6.13 mW/g

Daily SPC Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0:

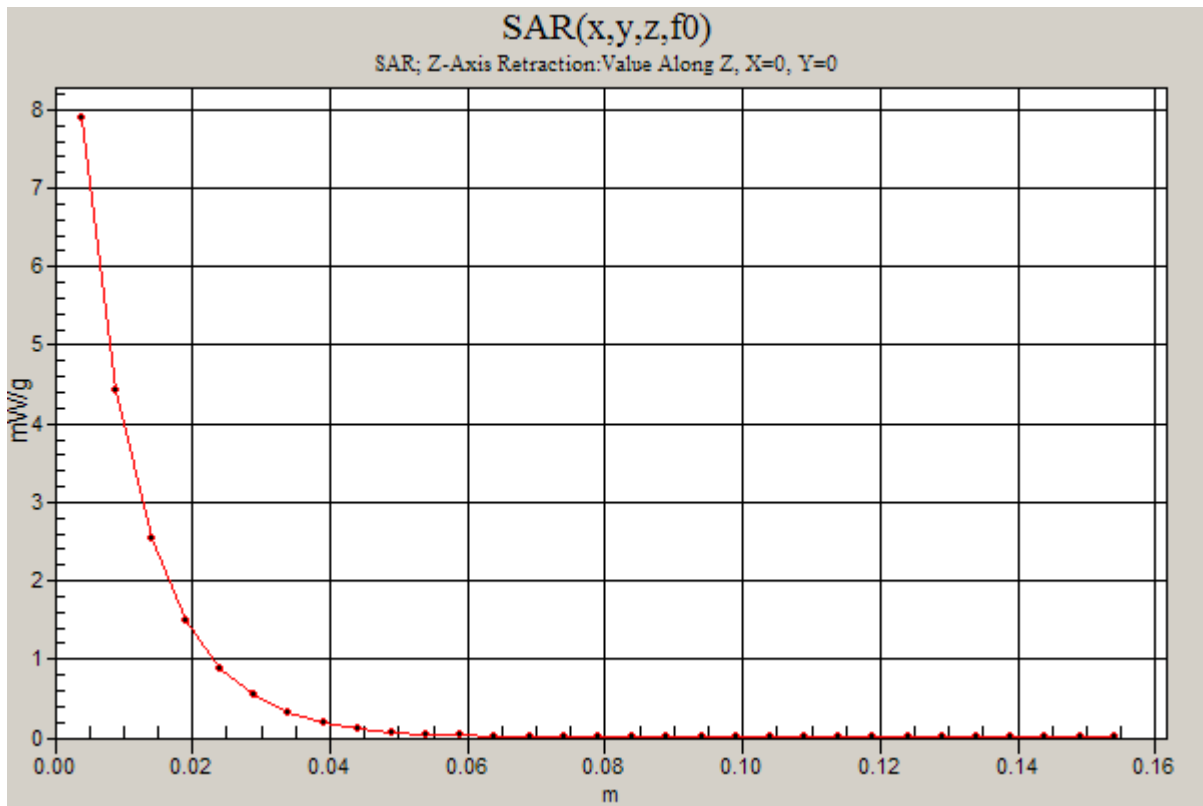
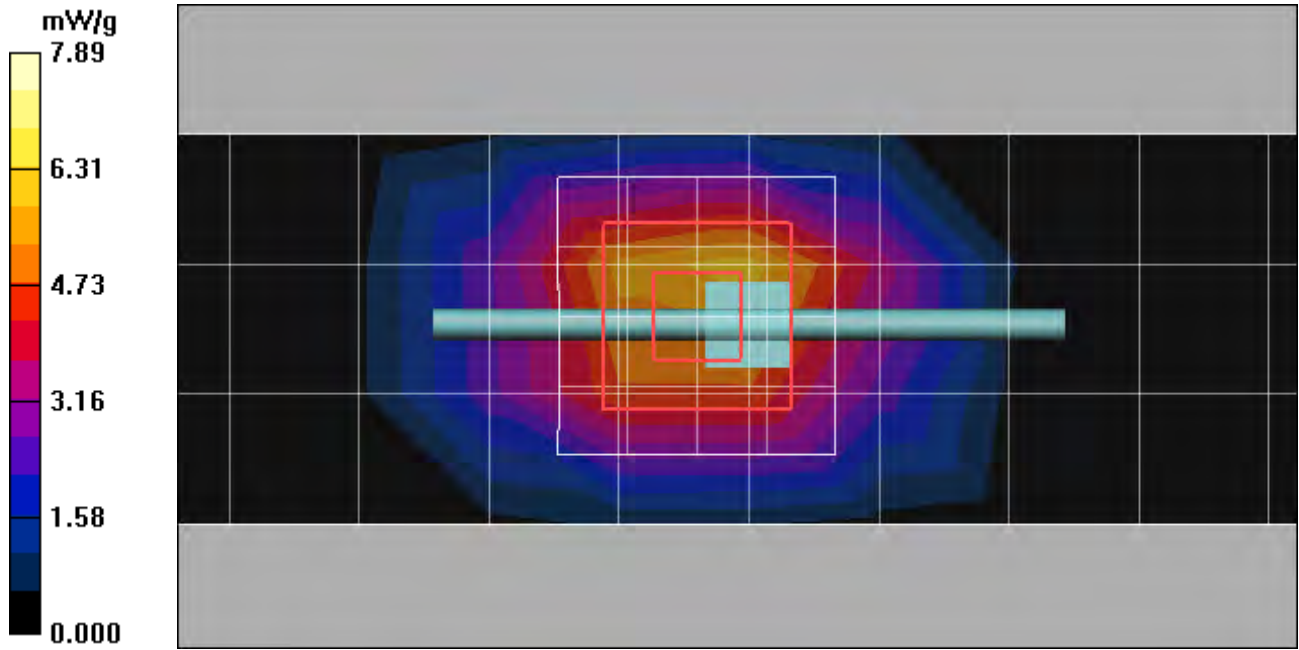
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 75.1 V/m; Power Drift = -0.002 dB; Peak SAR (extrapolated) = 12.6 W/kg

SAR(1 g) = 7 mW/g; SAR(10 g) = 3.7 mW/g; Maximum value of SAR (measured) = 7.89 mW/g

Daily SPC Check/Z-Axis Retraction (1x1x31):

Measurement grid: dx=20mm, dy=20mm, dz=5mm



Date/Time: 9/14/2011 9:16:54 AM

Test Laboratory: Motorola - Sep-14-2011 1800 MHz Head

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN: 250TR; FCC ID: IHDP56ME1

Procedure Notes: 1800 MHz System Performance Check; Dipole Sn# 250TR; Input Power = 200 mW

Sim.Temp@meas = 19.8 C; Sim.Temp@SPC = 20.5 C; Room Temp @ SPC = 21.2 C

Communication System: CW - Dipole; Frequency: 1800 MHz; Duty Cycle: 1:1

Medium: Validation *HEAD Tissue*

Medium parameters used: $f = 1800$ MHz; $\sigma = 1.33$ mho/m; $\epsilon_r = 38.5$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3115; ConvF(5.02, 5.02, 5.02); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R#-6 Glycol SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1131;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Daily SPC Check/Dipole Area Scan (5x15x1):

Measurement grid: dx=10mm, dy=15mm; Maximum value of SAR (measured) = 8.48 mW/g

Daily SPC Check/0-Degree, 5x5x7 Cube (5x5x7)/Cube 0:

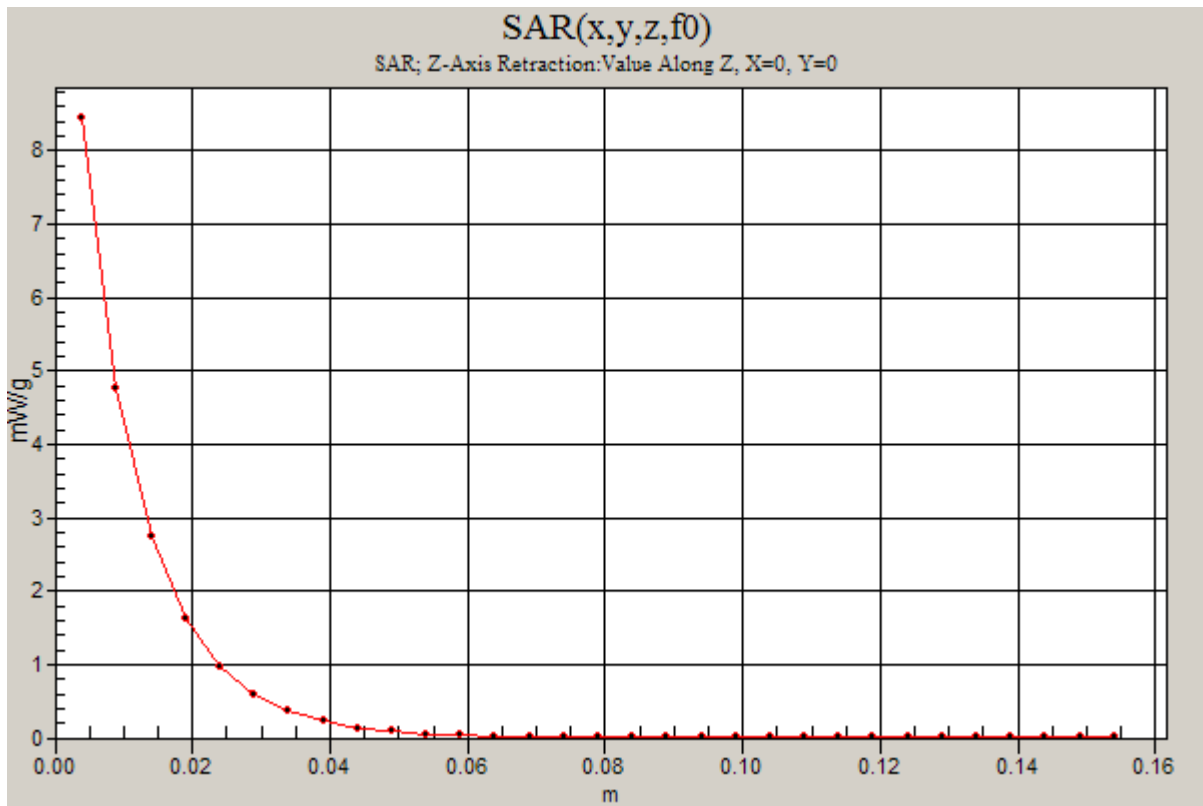
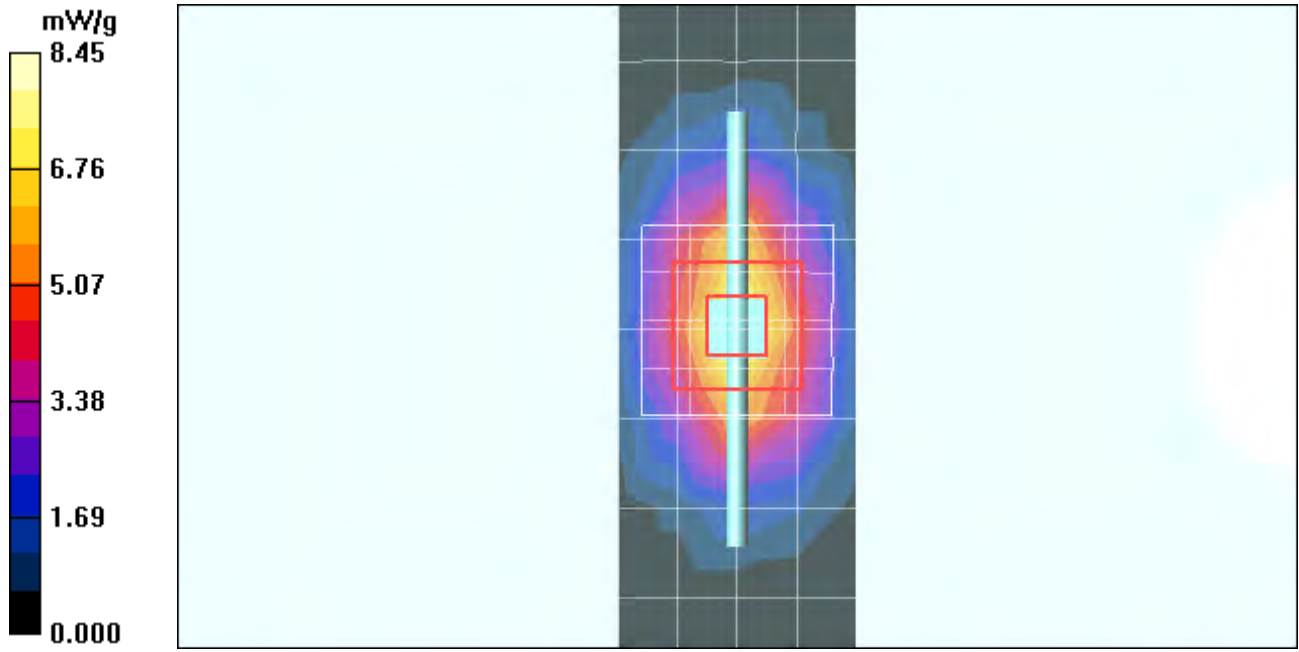
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 81.5 V/m; Power Drift = -0.037 dB; Peak SAR (extrapolated) = 13.4 W/kg

SAR(1 g) = 7.5 mW/g; SAR(10 g) = 3.97 mW/g; Maximum value of SAR (measured) = 8.46 mW/g

Daily SPC Check/Z-Axis Retraction (1x1x31):

Measurement grid: dx=20mm, dy=20mm, dz=5mm; Maximum value of SAR (measured) = 8.45 mW/g



Date/Time: 9/14/2011 3:00:44 PM

Test Laboratory: Motorola - Sep-14-2011 2450 MHz Head

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN: 863; FCC ID: IHDP56ME1

Procedure Notes: 2450 MHz System Performance Check; Dipole Sn# 863; Input Power = 200 mW

Sim.Temp@meas = 20.6°C; Sim.Temp@SPC = 20.3°C; Room Temp @ SPC = 21.3°C

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

Medium: Validation *HEAD Tissue*

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 37.3$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3115; ConvF(4.39, 4.39, 4.39); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R#-6 Glycol SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1131;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Daily SPC Check/Dipole Area Scan (5x15x1):

Measurement grid: dx=10mm, dy=15mm; Maximum value of SAR (measured) = 12.6 mW/g

Daily SPC Check/0-Degree, 5x5x7 Cube (5x5x7)/Cube 0:

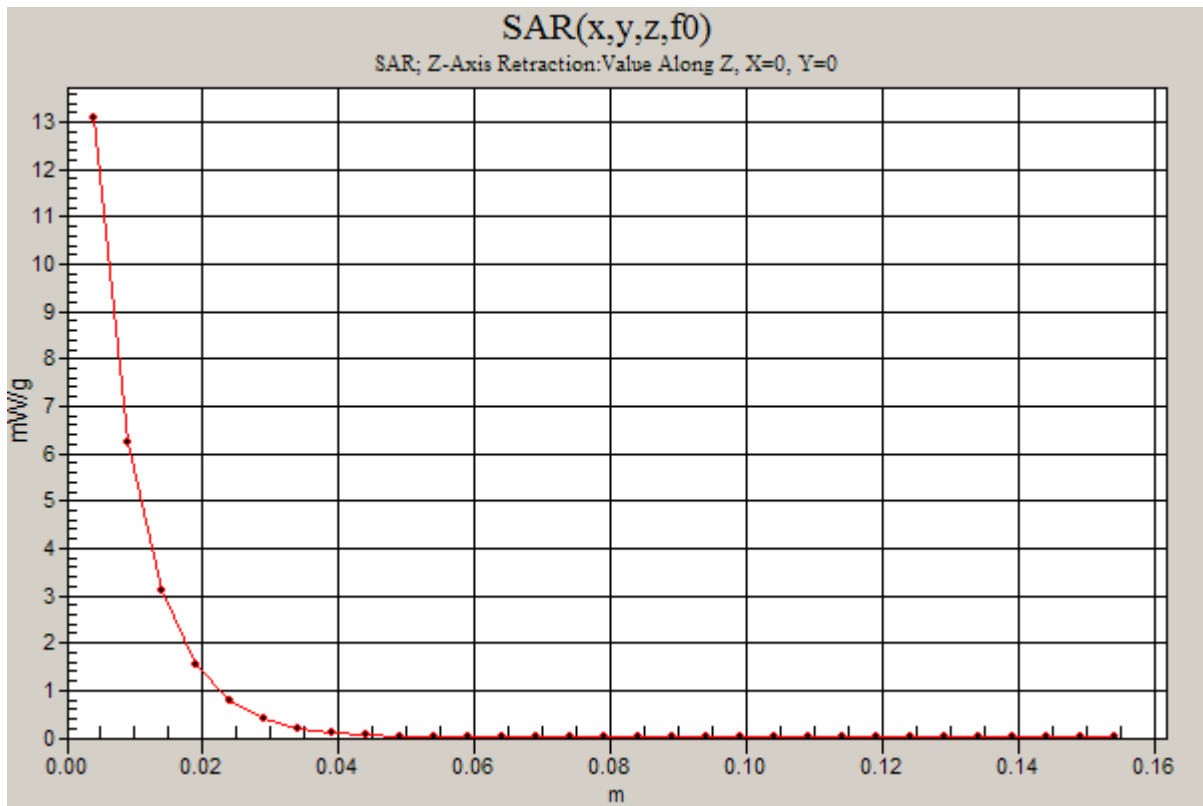
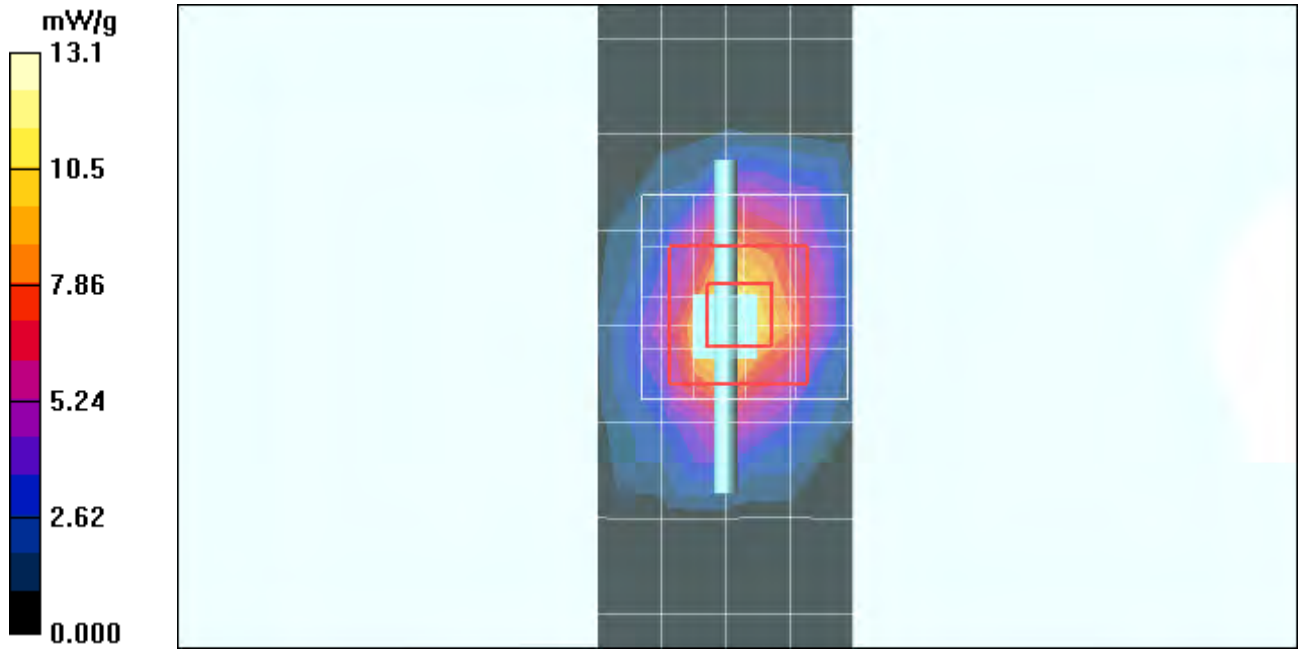
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 83.5 V/m; Power Drift = -0.027 dB; Peak SAR (extrapolated) = 25.0 W/kg

SAR(1 g) = 11.5 mW/g; SAR(10 g) = 5.25 mW/g; Maximum value of SAR (measured) = 12.9 mW/g

Daily SPC Check/Z-Axis Retraction (1x1x31):

Measurement grid: dx=20mm, dy=20mm, dz=5mm; Maximum value of SAR (measured) = 13.1 mW/g



Date/Time: 9/20/2011 9:46:34 AM

Test Laboratory: Motorola - Sep-20-2011 2450 MHz Head

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN: 863; FCC ID: IHDP56ME1

Procedure Notes: 2450 MHz System Performance Check; Dipole Sn# 863; Input Power = 200 mW

Sim.Temp@meas = 20.2°C; Sim.Temp@SPC = 20.3°C; Room Temp @ SPC = 21.1°C

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

Medium: Validation *HEAD Tissue*

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.86$ mho/m; $\epsilon_r = 38.8$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3115; ConvF(4.39, 4.39, 4.39); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R#-6 Glycol SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1131;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Daily SPC Check/Dipole Area Scan (5x15x1):

Measurement grid: dx=10mm, dy=15mm; Maximum value of SAR (measured) = 12.7 mW/g

Daily SPC Check/0-Degree, 5x5x7 Cube (5x5x7)/Cube 0:

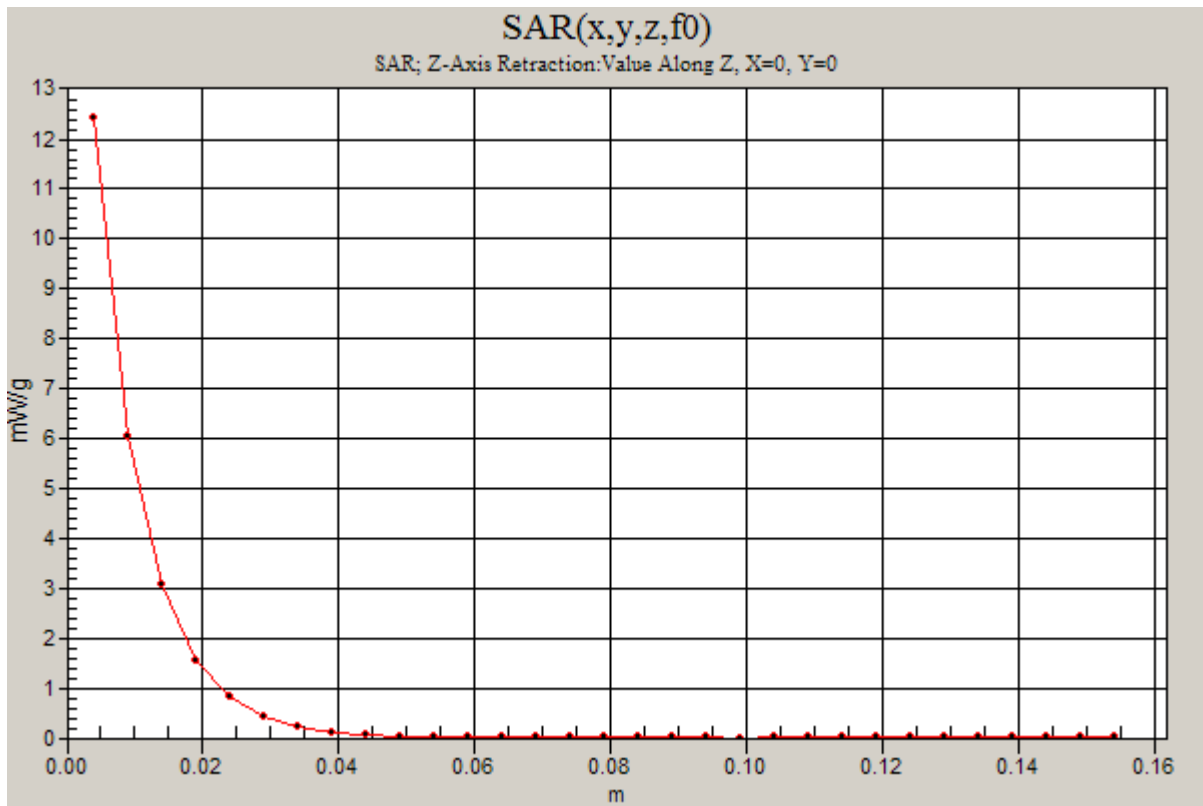
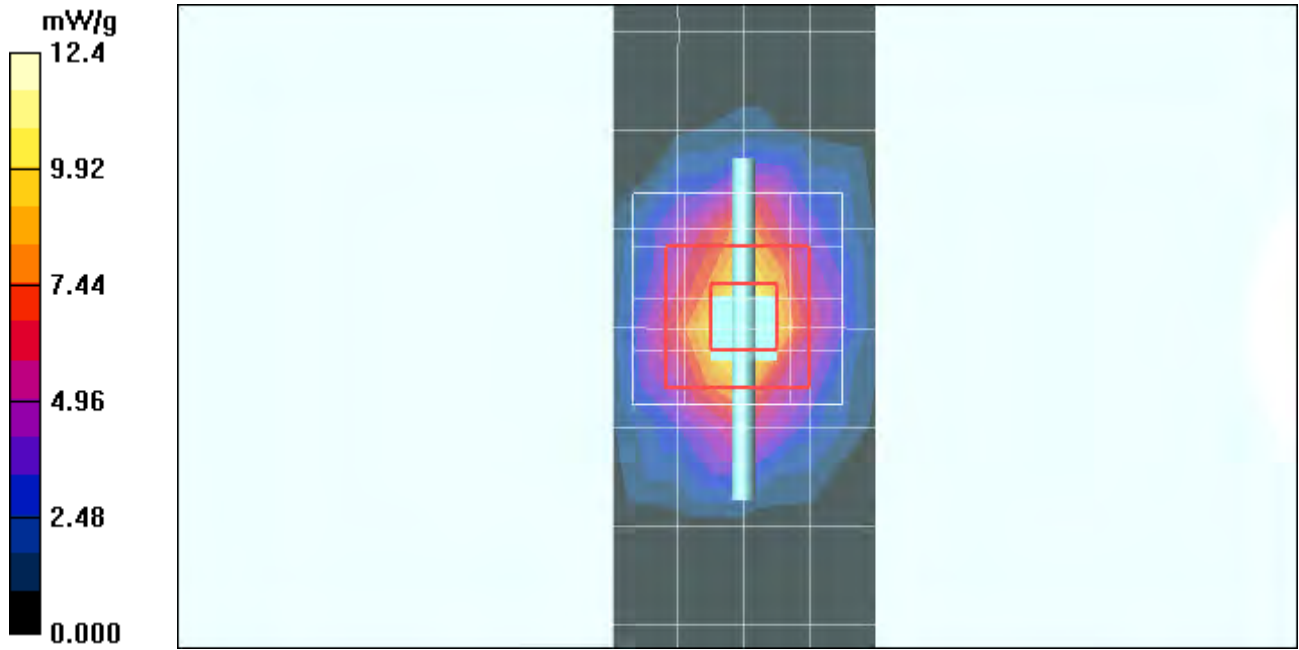
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.0 V/m; Power Drift = -0.191 dB; Peak SAR (extrapolated) = 24.1 W/kg

SAR(1 g) = 11.2 mW/g; SAR(10 g) = 5.19 mW/g; Maximum value of SAR (measured) = 12.5 mW/g

Daily SPC Check/Z-Axis Retraction (1x1x31):

Measurement grid: dx=20mm, dy=20mm, dz=5mm; Maximum value of SAR (measured) = 12.4 mW/g



System Accuracy Verification Measurements for Body SAR Measurements

Date/Time: 8/13/2011 6:57:47 AM

Test Laboratory: Motorola - Aug-13-2011 835 MHz Body

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN: 436TR; FCC ID: IHDP56ME1

Procedure Notes: 835 MHz System Performance Check; Dipole Sn# 436TR; Input Power = 200 mW

Sim.Temp@meas = 19.3 C; Sim.Temp@SPC = 19.3 C; Room Temp @ SPC = 21.2 C

Communication System: CW - Dipole; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: Validation *BODY Tissue*

Medium parameters used: $f = 835$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.1, 6.1, 6.1); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/20/2010
- Phantom: R#2_ Section 2, Amy Twin, Rev3 (3-Feb-10); Type: Amy Twin Flat; Serial: n/a;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Daily SPC Check/Dipole Area Scan (9x4x1):

Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 1.95 mW/g

Daily SPC Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0:

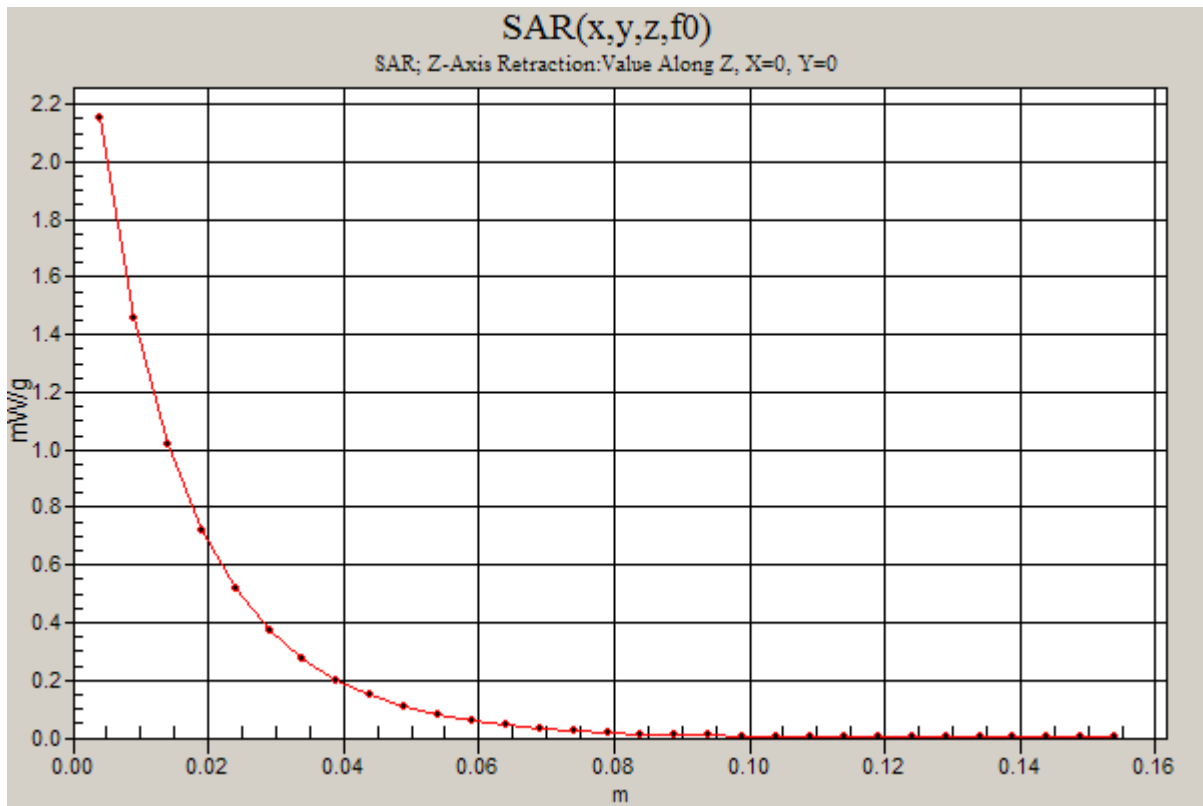
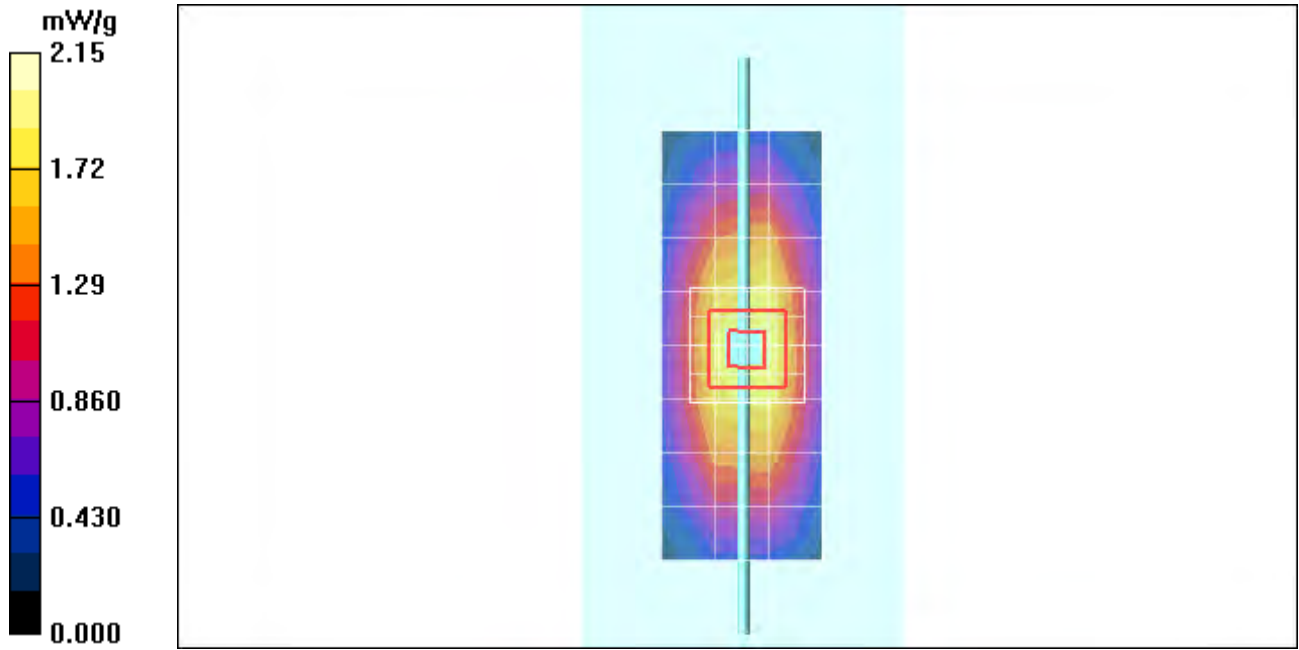
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 47.2 V/m; Power Drift = -0.006 dB; Peak SAR (extrapolated) = 3.01 W/kg

SAR(1 g) = 2.01 mW/g; SAR(10 g) = 1.32 mW/g; Maximum value of SAR (measured) = 2.17 mW/g

Daily SPC Check/Z-Axis Retraction (1x1x31):

Measurement grid: dx=20mm, dy=20mm, dz=5mm; Maximum value of SAR (measured) = 2.15 mW/g



Date/Time: 8/21/2011 6:56:57 AM

Test Laboratory: Motorola - Aug-21-2011 835 Mhz Body

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN: 436TR; FCC ID: IHDP56ME1

Procedure Notes: 835 MHz System Performance Check; Dipole Sn# 436TR; Input Power = 200 mW

Sim.Temp@meas = 18.3°C; Sim.Temp@SPC = 18.3°C; Room Temp @ SPC = 20.7°C

Communication System: CW - Dipole; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: Validation *BODY Tissue*

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.1, 6.1, 6.1); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/20/2010
- Phantom: R#2_ Section 2, Amy Twin, Rev3 (3-Feb-10); Type: Amy Twin Flat; Serial: n/a;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Daily SPC Check/Dipole Area Scan (9x4x1):

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$; Maximum value of SAR (measured) = 1.90 mW/g

Daily SPC Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0:

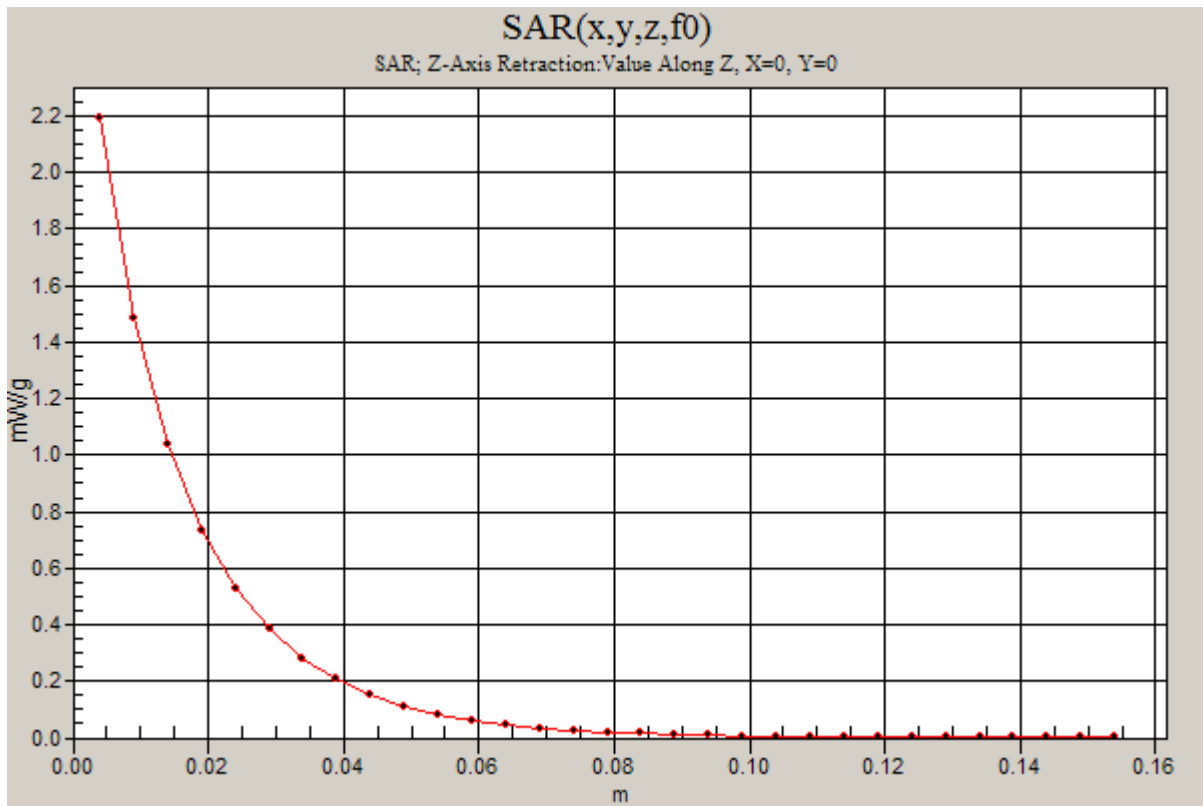
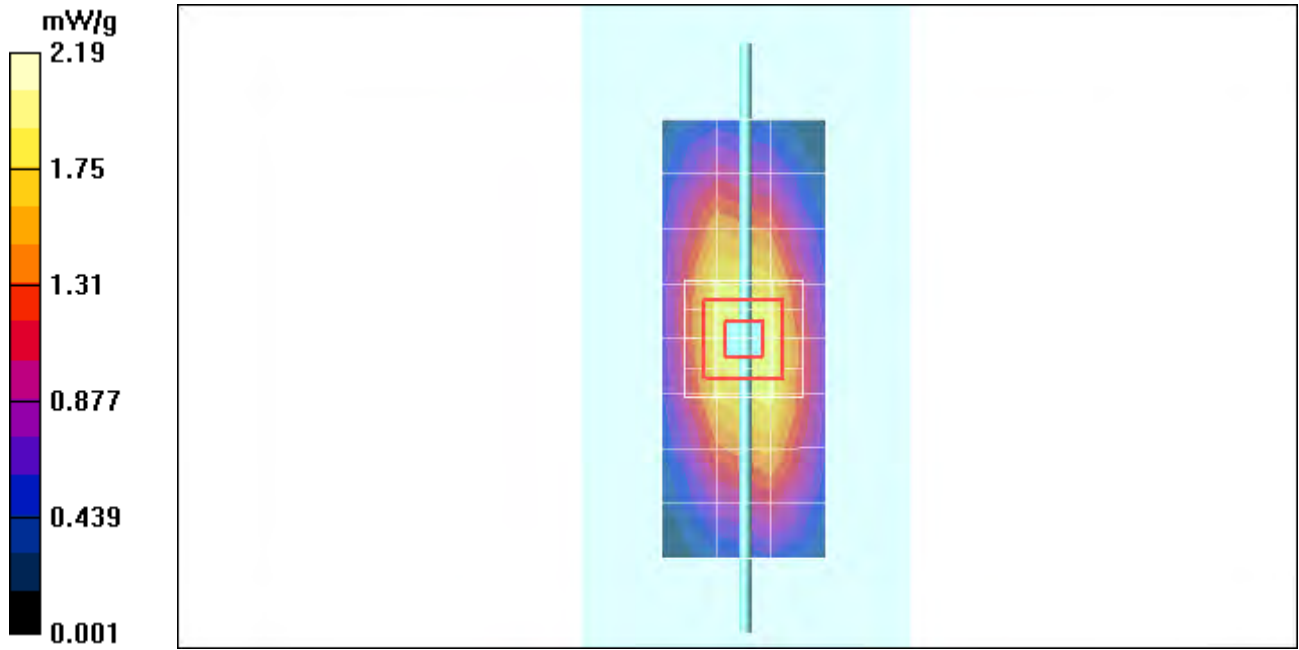
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 47.4 V/m; Power Drift = 0.003 dB; Peak SAR (extrapolated) = 3.02 W/kg

SAR(1 g) = 2.03 mW/g; SAR(10 g) = 1.33 mW/g; Maximum value of SAR (measured) = 2.19 mW/g

Daily SPC Check/Z-Axis Retraction (1x1x31):

Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=5\text{mm}$



Date/Time: 8/28/2011 6:27:43 AM

Test Laboratory: Motorola - Aug-28-2011 835 MHz Body

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN: 436TR; FCC ID: IHDP56ME1

Procedure Notes: 835 MHz System Performance Check; Dipole Sn# 436TR; Input Power = 200 mW

Sim.Temp@meas = 19.2°C; Sim.Temp@SPC = 19.2°C Room Temp @ SPC = 21.0°C

Communication System: CW - Dipole; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: Validation *BODY Tissue*

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.1, 6.1, 6.1); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/20/2010
- Phantom: R#2_ Section 2, Amy Twin, Rev3 (3-Feb-10); Type: Amy Twin Flat; Serial: n/a;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Daily SPC Check/Dipole Area Scan (9x4x1):

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$; Maximum value of SAR (measured) = 1.87 mW/g

Daily SPC Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0:

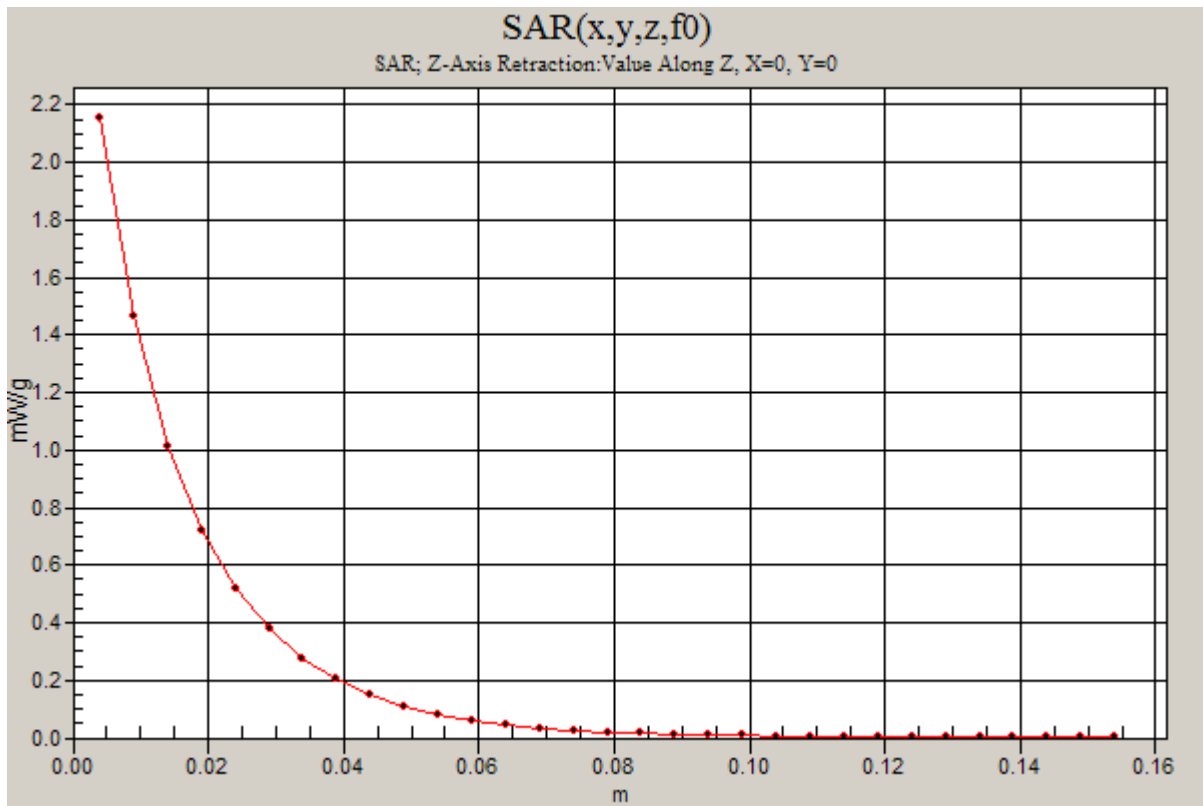
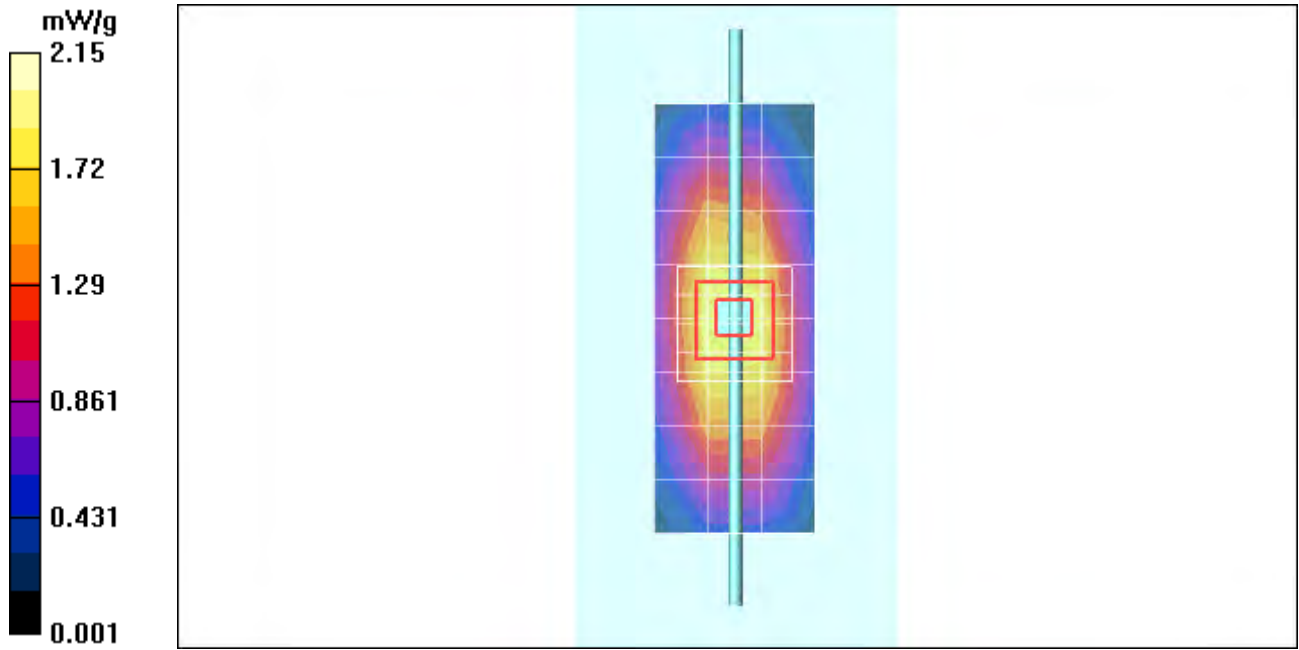
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 47.7 V/m; Power Drift = 0.005 dB; Peak SAR (extrapolated) = 2.99 W/kg

SAR(1 g) = 2.01 mW/g; SAR(10 g) = 1.31 mW/g; Maximum value of SAR (measured) = 2.16 mW/g

Daily SPC Check/Z-Axis Retraction (1x1x31):

Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=5\text{mm}$; Maximum value of SAR (measured) = 2.15 mW/g



Date/Time: 9/8/2011 8:24:15 AM

Test Laboratory: Motorola - Sep-08-2011 835 Mhz Body

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN: 436TR; FCC ID: IHDP56ME1

Procedure Notes: 835 MHz System Performance Check; Dipole Sn# 436TR; Input Power = 200 mW

Sim.Temp@meas = 19.2 C; Sim.Temp@SPC = 19.2 C; Room Temp @ SPC = 21.0 C

Communication System: CW - Dipole; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: Validation *BODY Tissue*

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.1, 6.1, 6.1); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/20/2010
- Phantom: R#2_ Section 2, Amy Twin, Rev3 (3-Feb-10); Type: Amy Twin Flat; Serial: n/a;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Daily SPC Check/Dipole Area Scan (9x4x1):

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$; Maximum value of SAR (measured) = 1.90 mW/g

Daily SPC Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0:

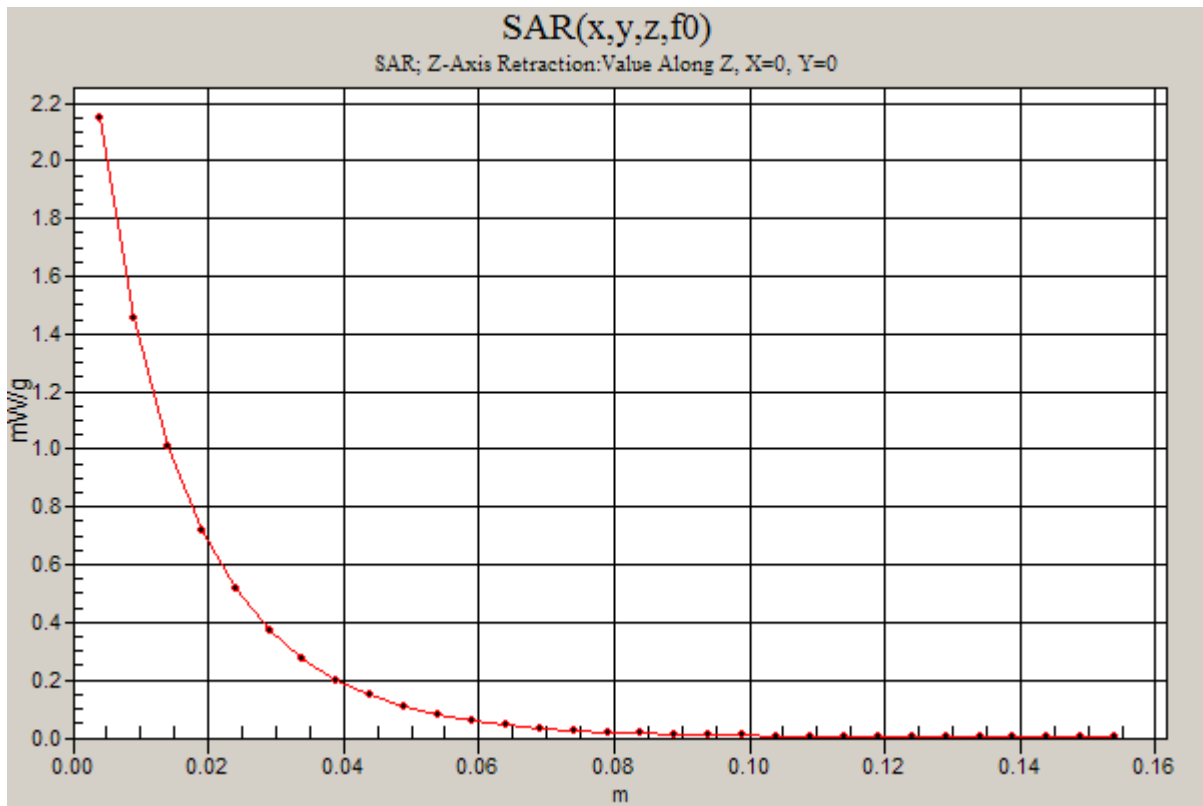
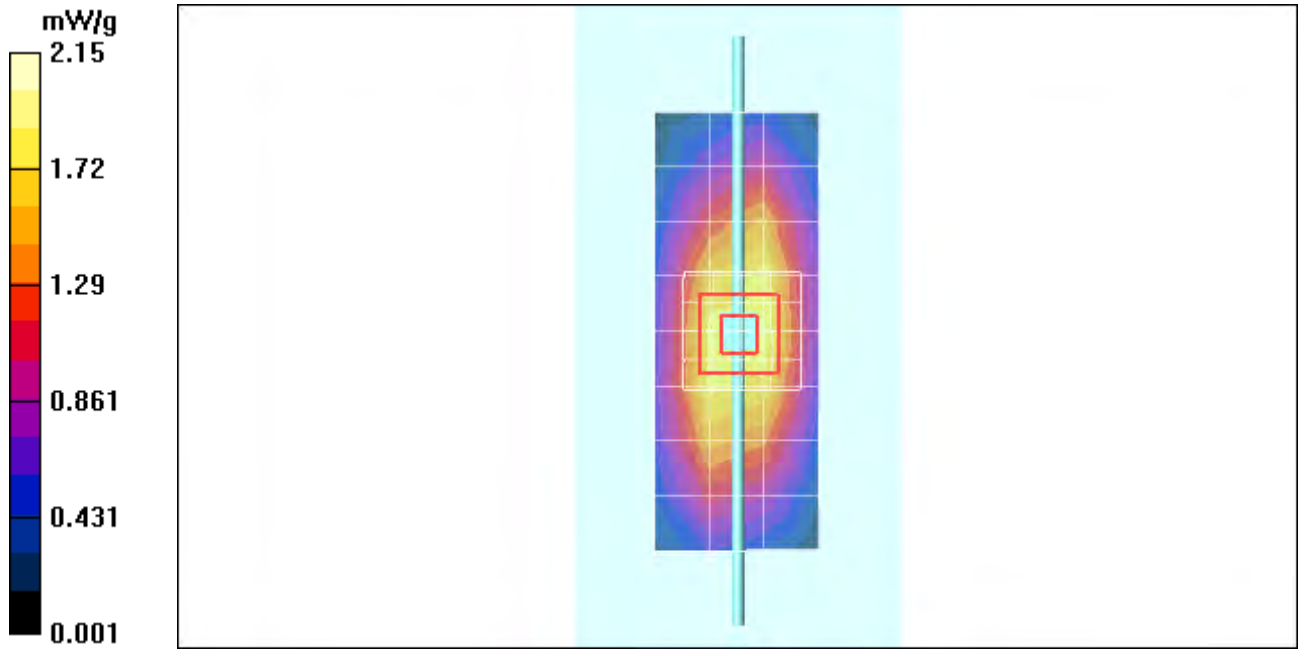
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 47.5 V/m; Power Drift = 0.003 dB; Peak SAR (extrapolated) = 2.97 W/kg

SAR(1 g) = 1.99 mW/g; SAR(10 g) = 1.31 mW/g; Maximum value of SAR (measured) = 2.15 mW/g

Daily SPC Check/Z-Axis Retraction (1x1x31):

Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=5\text{mm}$



Date/Time: 9/10/2011 6:41:09 AM

Test Laboratory: Motorola - Sep-10-2011 835 MHz Body

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN: 436TR; FCC ID: IHDP56ME1

Procedure Notes: 835 MHz System Performance Check; Dipole Sn# 436TR; Input Power = 200 mW

Sim.Temp@meas = 20.0°C; Sim.Temp@SPC = 20.0°C; Room Temp @ SPC = 21.4°C

Communication System: CW - Dipole; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: Low Freq Body

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.1, 6.1, 6.1); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/20/2010
- Phantom: R#2_ Section 2, Amy Twin, Rev3 (3-Feb-10); Type: Amy Twin Flat; Serial: n/a;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Daily SPC Check/Dipole Area Scan (9x4x1):

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$; Maximum value of SAR (measured) = 1.89 mW/g

Daily SPC Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0:

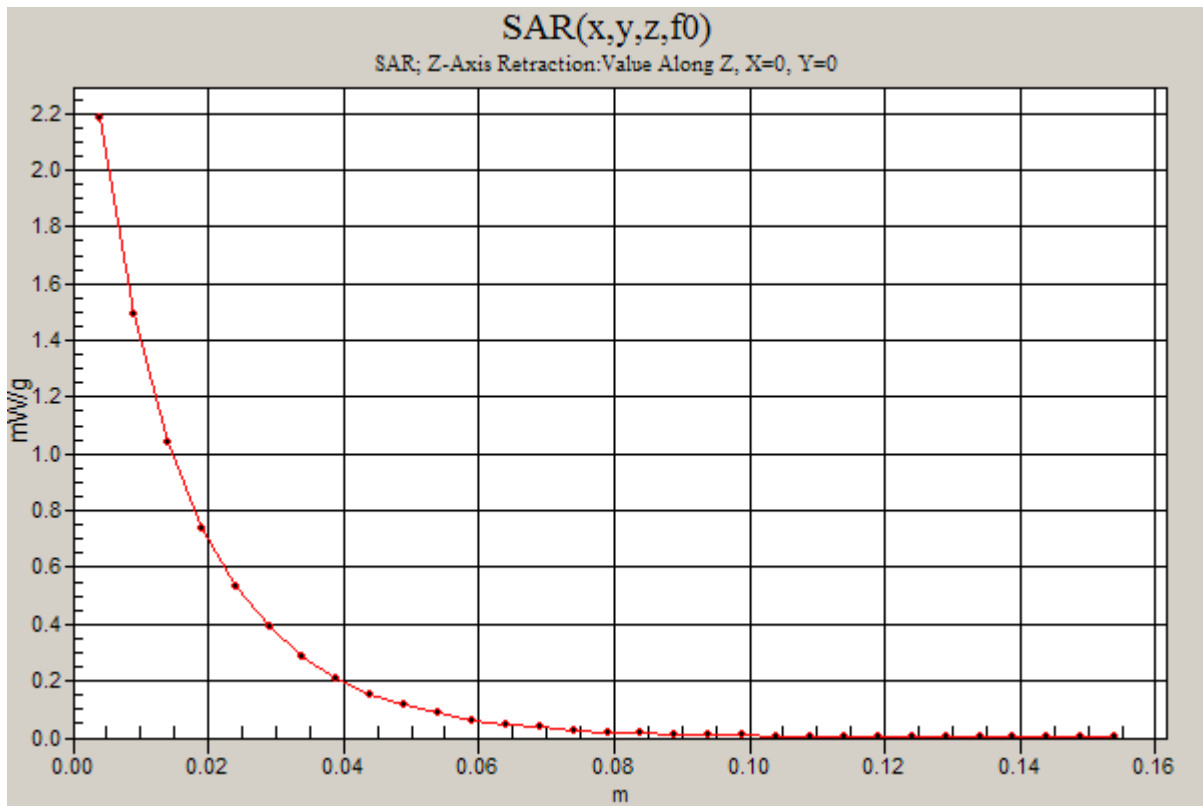
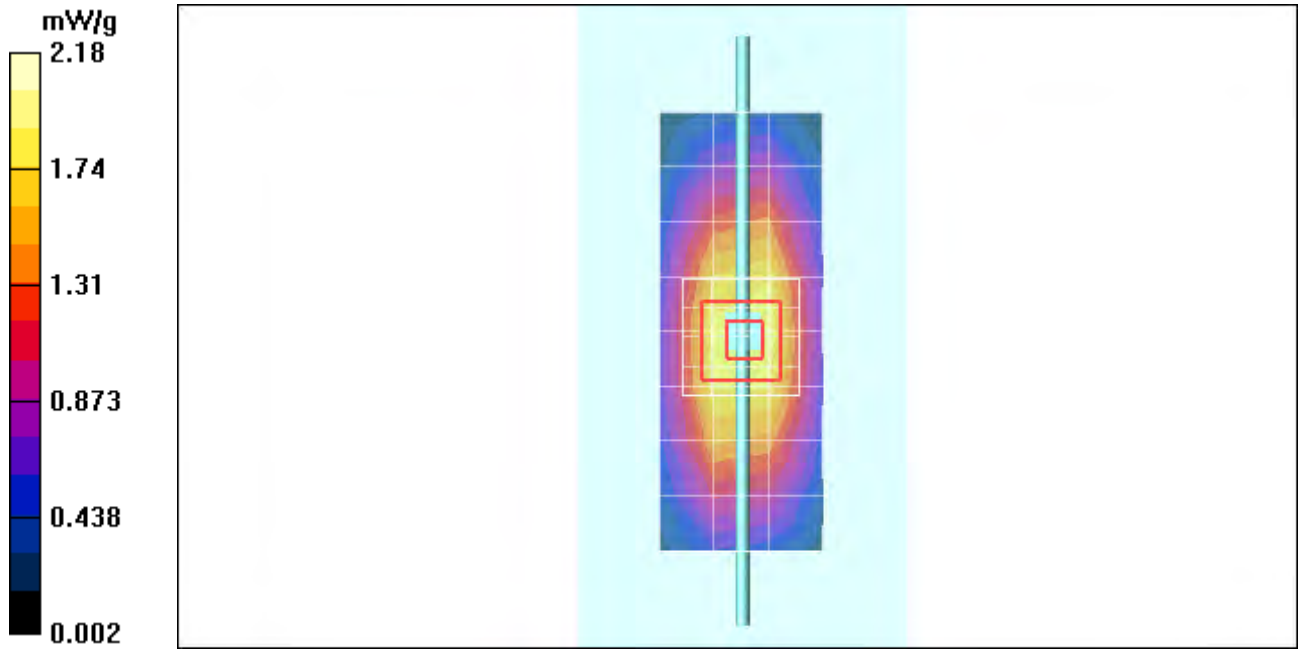
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 47.6 V/m; Power Drift = 0.003 dB; Peak SAR (extrapolated) = 3.00 W/kg

SAR(1 g) = 2.02 mW/g; SAR(10 g) = 1.32 mW/g; Maximum value of SAR (measured) = 2.18 mW/g

Daily SPC Check/Z-Axis Retraction (1x1x31):

Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=5\text{mm}$



Date/Time: 9/14/2011 6:48:25 AM

Test Laboratory: Motorola - Sep-14-2011 835 MHz Body

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN: 436TR; FCC ID: IHDP56ME1

Procedure Notes: 835 MHz System Performance Check; Dipole Sn# 436TR; Input Power = 200 mW

Sim.Temp@meas = 19.9 C; Sim.Temp@SPC = 19.9 C; Room Temp @ SPC = 21.3 C

Communication System: CW - Dipole; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: Validation *BODY Tissue*

Medium parameters used: $f = 835$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.1, 6.1, 6.1); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn702; Calibrated: 4/14/2011
- Phantom: R#2 Glycol SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1136;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Daily SPC Check/Dipole Area Scan (5x15x1):

Measurement grid: dx=10mm, dy=15mm; Maximum value of SAR (measured) = 2.12 mW/g

Daily SPC Check/0-Degree, 5x5x7 Cube (5x5x7)/Cube 0:

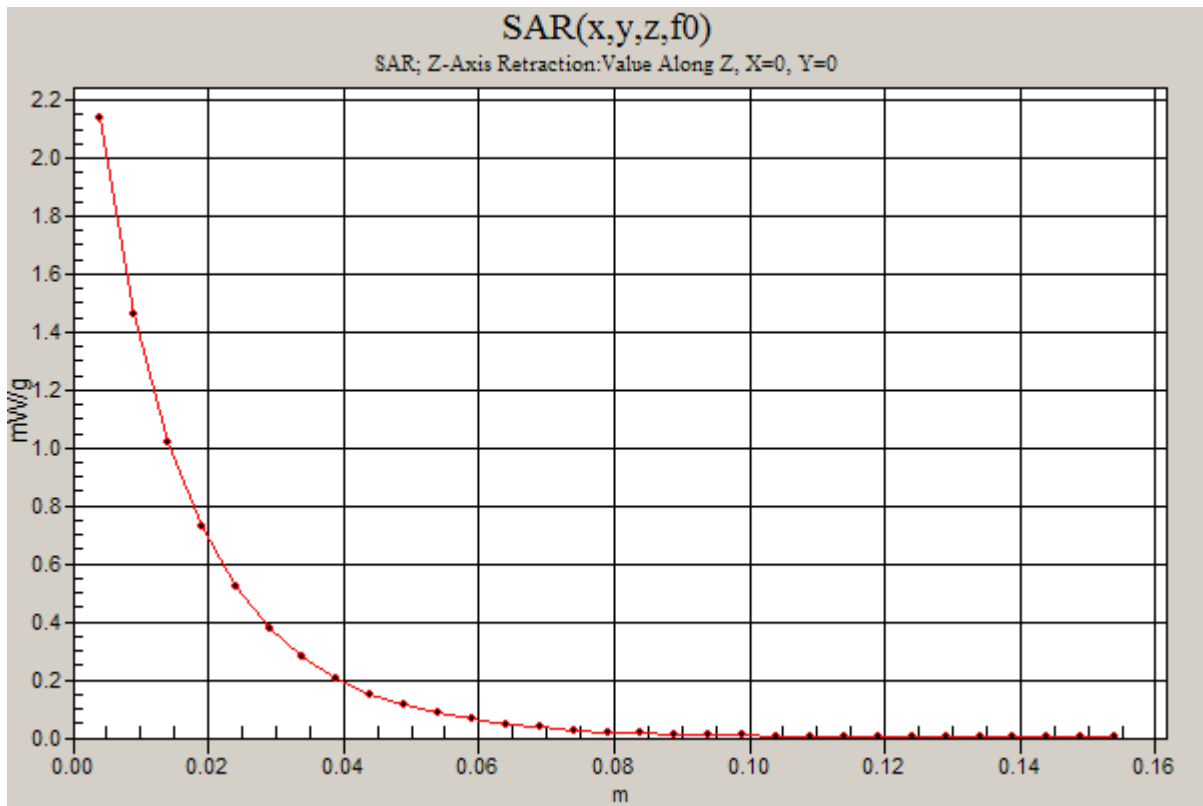
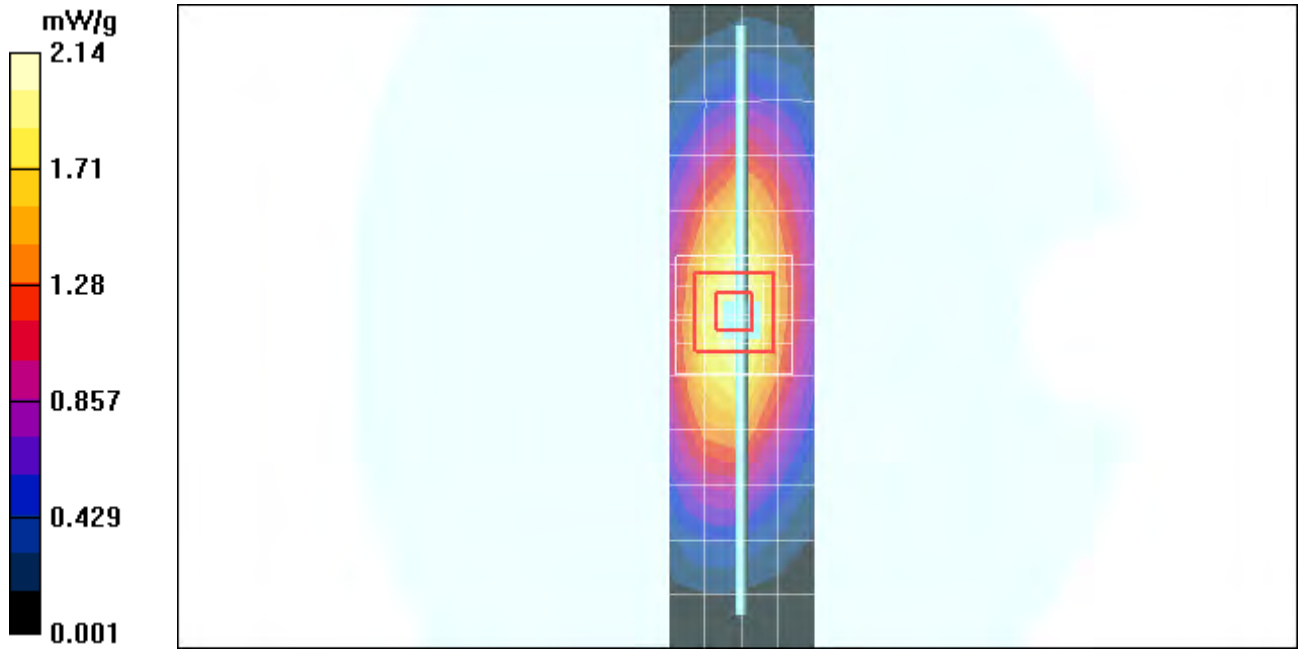
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.8 V/m; Power Drift = -0.009 dB; Peak SAR (extrapolated) = 2.91 W/kg

SAR(1 g) = 1.98 mW/g; SAR(10 g) = 1.31 mW/g; Maximum value of SAR (measured) = 2.14 mW/g

Daily SPC Check/Z-Axis Retraction (1x1x31):

Measurement grid: dx=20mm, dy=20mm, dz=5mm



Date/Time: 9/1/2011 7:37:58 AM

Test Laboratory: Motorola - Sep-01-2011 1800 MHz Body

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN: 259TR; FCC ID: IHDP56ME1

Procedure Notes: 1800 MHz System Performance Check; Dipole Sn# 259TR; Input Power = 200 mW

Sim.Temp@meas = 19.3 C; Sim.Temp@SPC = 19.3 C; Room Temp @ SPC = 21.2 C

Communication System: CW - Dipole; Frequency: 1800 MHz; Duty Cycle: 1:1

Medium: Validation *BODY Tissue*

Medium parameters used: $f = 1800$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(4.9, 4.9, 4.9); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/20/2010
- Phantom: R#2_ Section 1, Amy Twin, Rev3 (3-Feb-10); Type: Amy Twin Flat; Serial: n/a;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Daily SPC Check/Dipole Area Scan (9x4x1):

Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 6.73 mW/g

Daily SPC Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0:

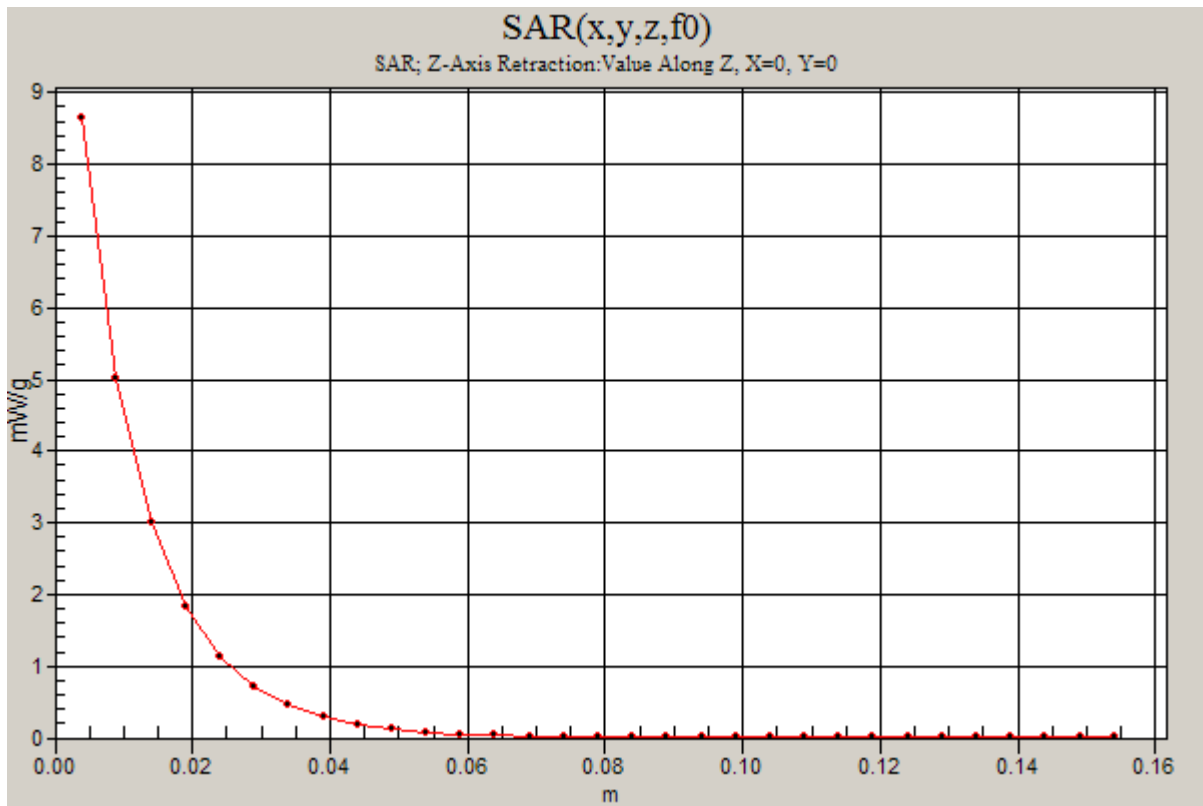
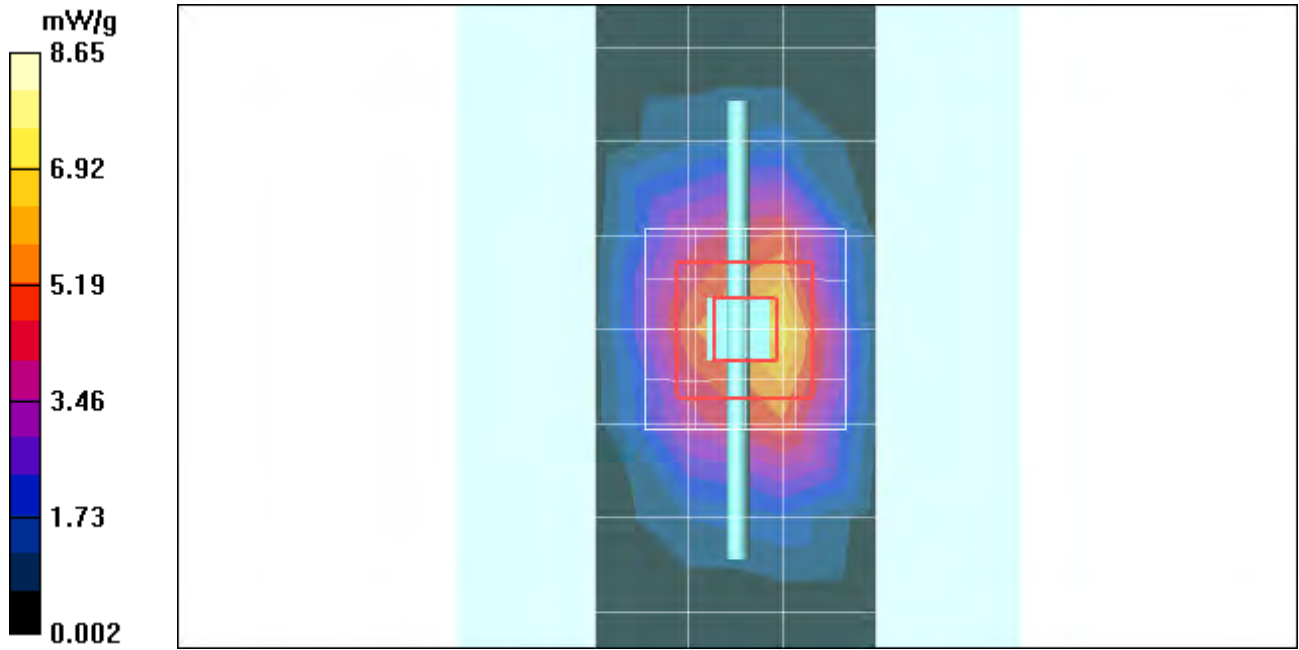
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 77.5 V/m; Power Drift = 0.007 dB; Peak SAR (extrapolated) = 13.6 W/kg

SAR(1 g) = 7.67 mW/g; SAR(10 g) = 4.08 mW/g; Maximum value of SAR (measured) = 8.62 mW/g

Daily SPC Check/Z-Axis Retraction (1x1x31):

Measurement grid: dx=20mm, dy=20mm, dz=5mm; Maximum value of SAR (measured) = 8.65 mW/g



Date/Time: 8/31/2011 9:52:27 AM

Test Laboratory: Motorola - Aug-31-2011 1800 MHz Body

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN: 250TR; FCC ID: IHDP56ME1

Procedure Notes: 1800MHz System Performance Check; Dipole Sn# 250TR; Input Power = 200 mW

Sim.Temp@meas = 19.2 C; Sim.Temp@SPC = 20.0 C; Room Temp @ SPC = 21.1 C

Communication System: CW - Dipole; Frequency: 1800 MHz; Duty Cycle: 1:1

Medium: Validation *BODY Tissue*

Medium parameters used: $f = 1800$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 51.2$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3115; ConvF(4.61, 4.61, 4.61); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R#_6 - Triple Flat Phantom 5.1; Type: Triple Flat Phantom 5.1; Serial: N/A;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Daily SPC Check/Dipole Area Scan (4x15x1):

Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 6.68 mW/g

Daily SPC Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0:

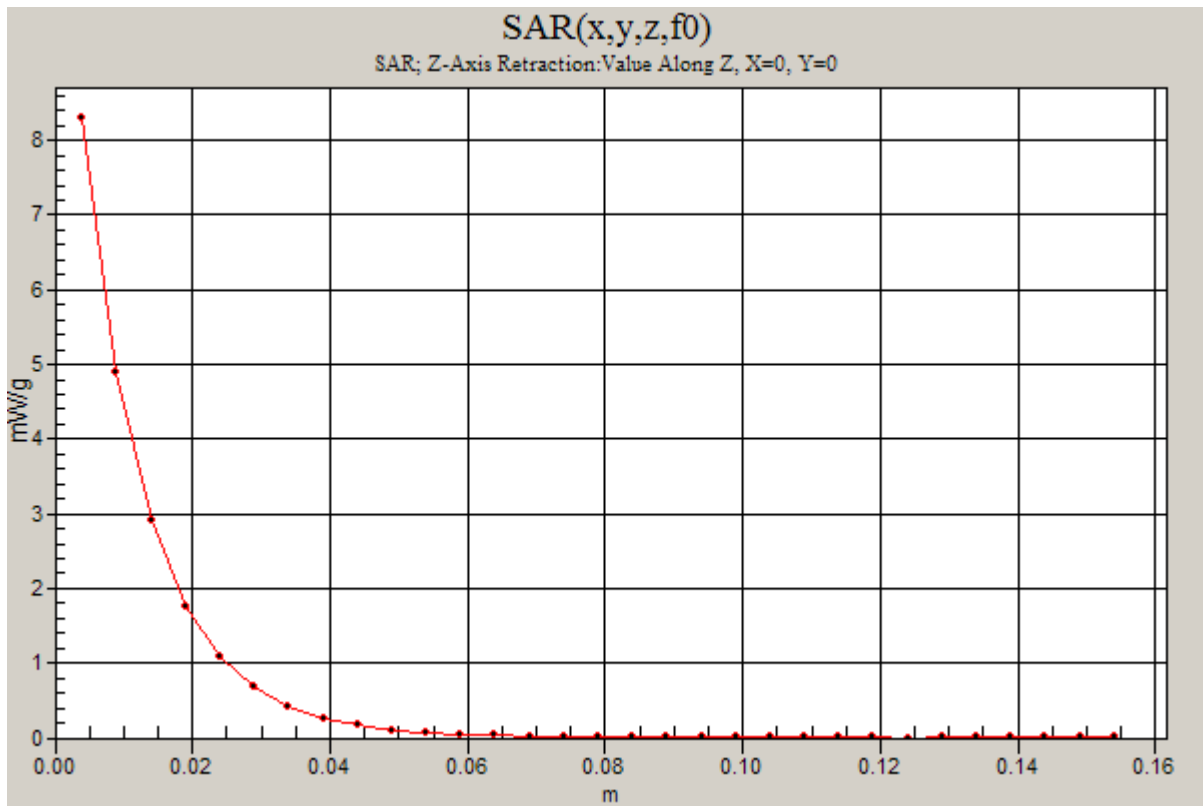
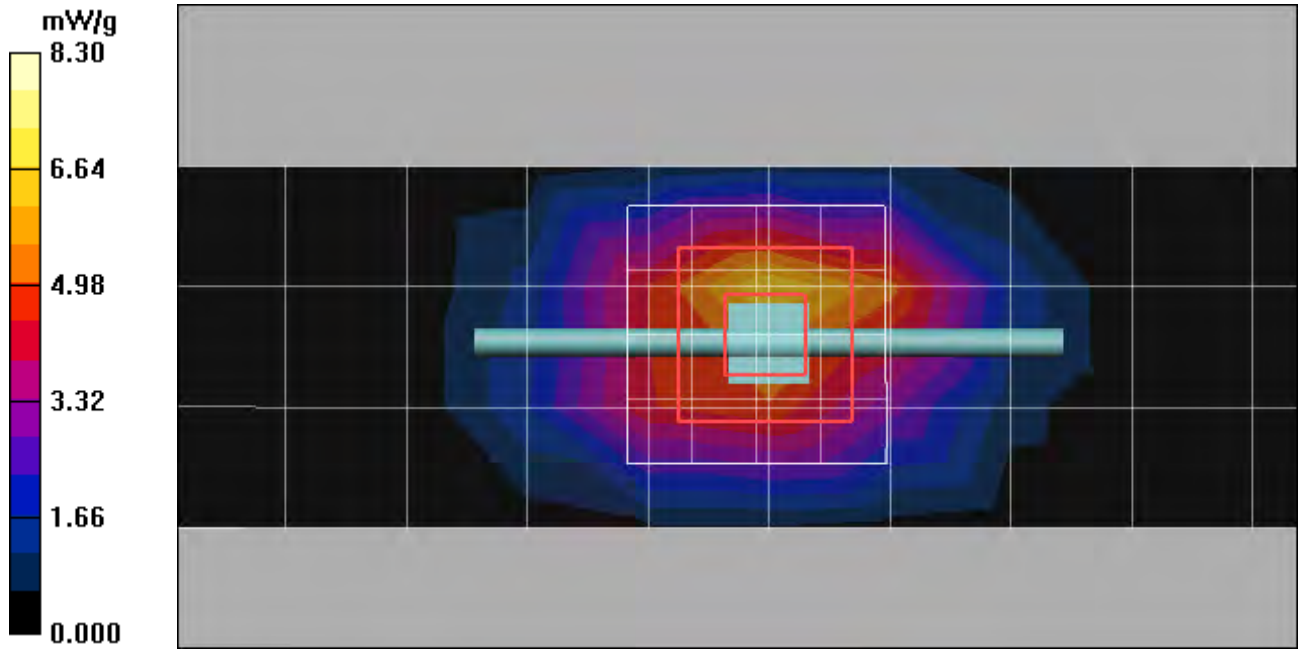
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 76.5 V/m; Power Drift = 0.047 dB; Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 7.35 mW/g; SAR(10 g) = 3.95 mW/g; Maximum value of SAR (measured) = 8.25 mW/g

Daily SPC Check/Z-Axis Retraction (1x1x31):

Measurement grid: dx=20mm, dy=20mm, dz=5mm; Maximum value of SAR (measured) = 8.30 mW/g



Date/Time: 9/9/2011 11:03:24 AM

Test Laboratory: Motorola - Sep-09-2011 1800 MHz Body

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN: 250TR; FCC ID: IHDP56ME1

Procedure Notes: 1800 MHz System Performance Check; Dipole Sn# 250TR; Input Power = 200 mW

Sim.Temp@meas = 20.6 C; Sim.Temp@SPC = 19.6 C; Room Temp @ SPC = 21.2 C

Communication System: CW - Dipole; Frequency: 1800 MHz; Duty Cycle: 1:1

Medium: Validation *BODY Tissue*

Medium parameters used: $f = 1800$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 51.2$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3115; ConvF(4.61, 4.61, 4.61); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R#_6 - Triple Flat Phantom 5.1; Type: Triple Flat Phantom 5.1; Serial: N/A;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Daily SPC Check/Dipole Area Scan (4x15x1):

Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 7.70 mW/g

Daily SPC Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0:

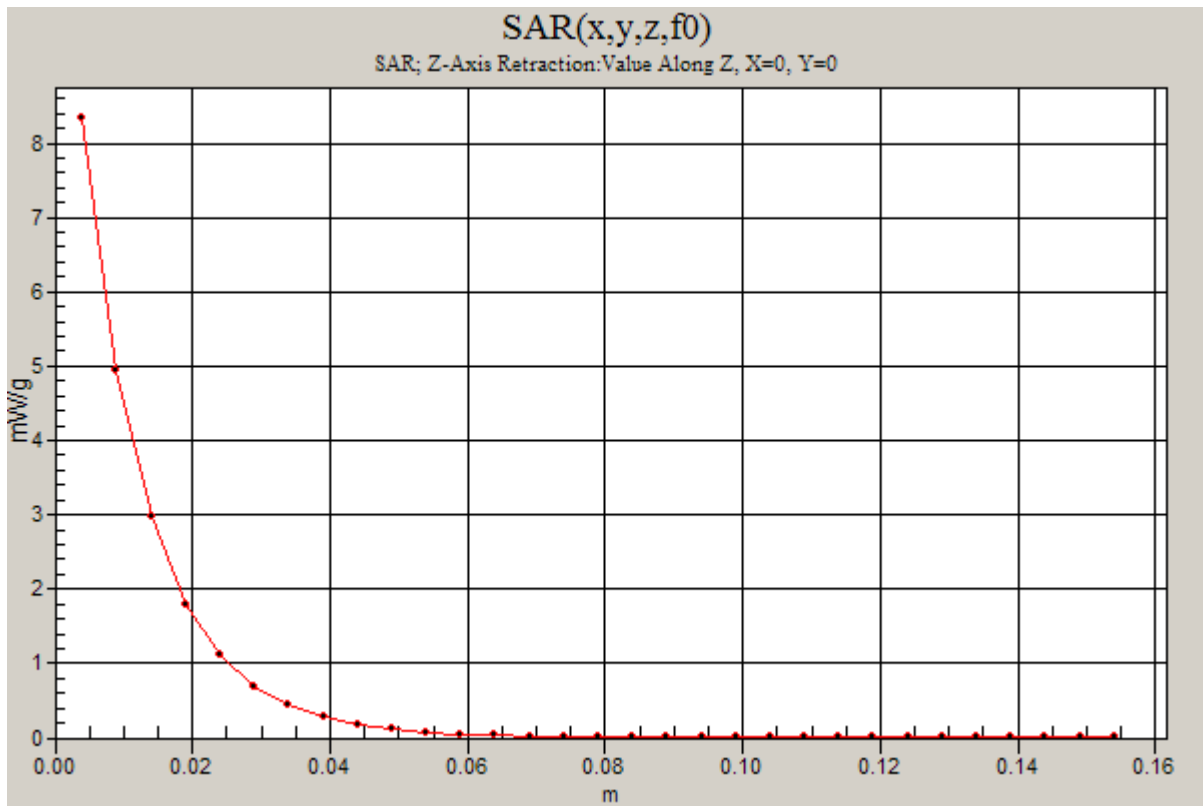
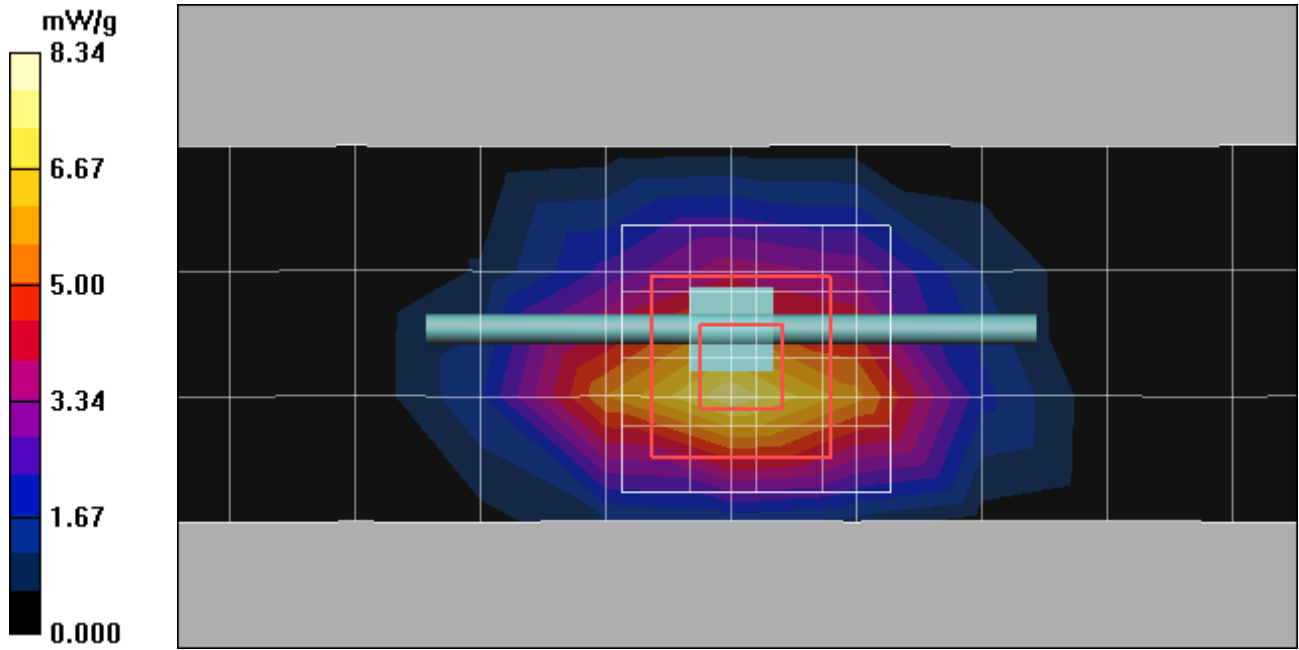
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 72.6 V/m; Power Drift = -0.045 dB; Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 7.39 mW/g; SAR(10 g) = 3.99 mW/g; Maximum value of SAR (measured) = 8.28 mW/g

Daily SPC Check/Z-Axis Retraction (1x1x31):

Measurement grid: dx=20mm, dy=20mm, dz=5mm; Maximum value of SAR (measured) = 8.34 mW/g



Date/Time: 9/14/2011 5:54:21 PM

Test Laboratory: Motorola - Sep-14-2011 1800 MHz Body

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN: 250TR; FCC ID: IHDP56ME1

Procedure Notes: 1800 MHz System Performance Check; Dipole Sn# 250TR; Input Power = 200 mW

Sim.Temp@meas = 20.0 C; Sim.Temp@SPC = 20.5 C; Room Temp @ SPC = 21.1 C

Communication System: CW - Dipole; Frequency: 1800 MHz; Duty Cycle: 1:1

Medium: Validation *BODY Tissue*

Medium parameters used: $f = 1800$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 51.2$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3115; ConvF(4.61, 4.61, 4.61); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R#_6 - Triple Flat Phantom 5.1; Type: Triple Flat Phantom 5.1; Serial: n/a;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Daily SPC Check/Dipole Area Scan (4x15x1):

Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 6.98 mW/g

Daily SPC Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0:

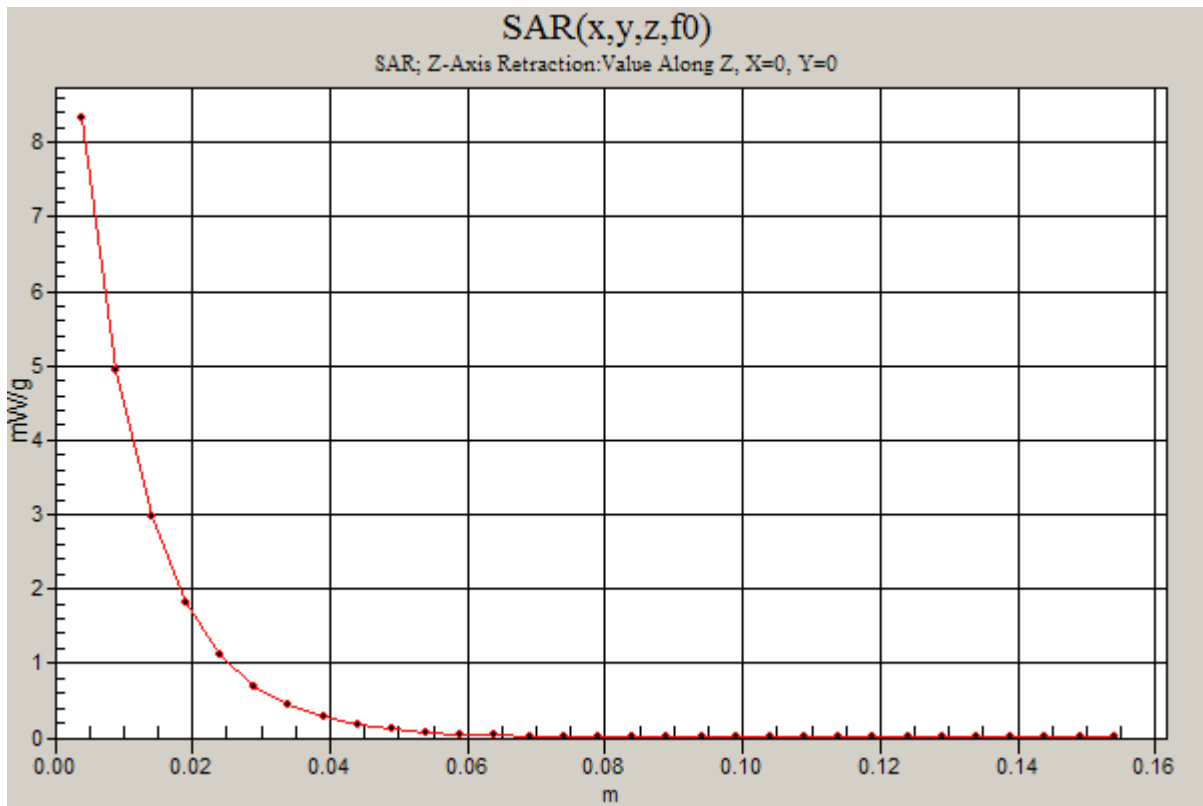
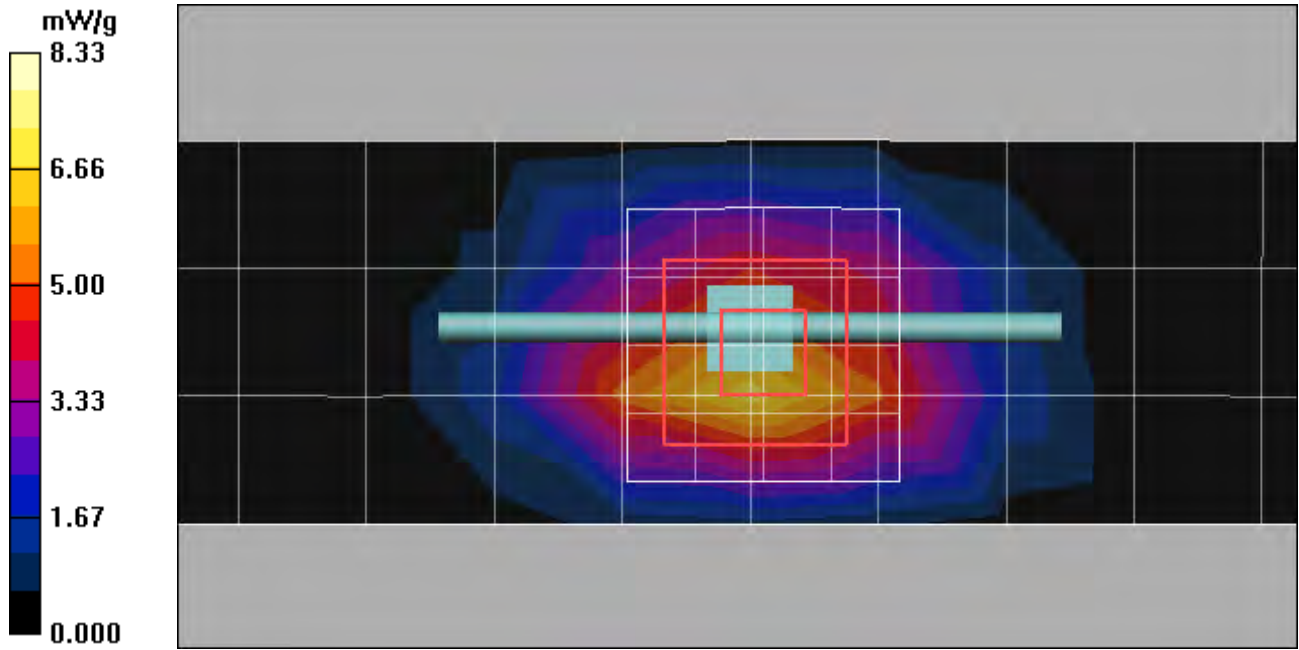
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 75.3 V/m; Power Drift = -0.054 dB; Peak SAR (extrapolated) = 12.6 W/kg

SAR(1 g) = 7.38 mW/g; SAR(10 g) = 3.96 mW/g; Maximum value of SAR (measured) = 8.33 mW/g

Daily SPC Check/Z-Axis Retraction (1x1x31):

Measurement grid: dx=20mm, dy=20mm, dz=5mm



Date/Time: 8/17/2011 8:56:45 AM

Test Laboratory: Motorola - Aug-17-2011 2450 MHz Body

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN: 863; FCC ID: IHDP56ME1

Procedure Notes: 2450MHz System Performance Check; Dipole Sn# 863; Input Power = 200 mW

Sim.Temp@meas = 19.9°C; Sim.Temp@SPC = 20.0°C; Room Temp @ SPC = 20.1°C

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

Medium: Validation *BODY Tissue*

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3115; ConvF(4.12, 4.12, 4.12); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R4 : Sect.1, Amy Twin, Rev.3 (3-Feb-10); Type: Amy Twin Flat; Serial: n/a;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Daily SPC Check/Dipole Area Scan (9x4x1):

Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 8.62 mW/g

Daily SPC Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0:

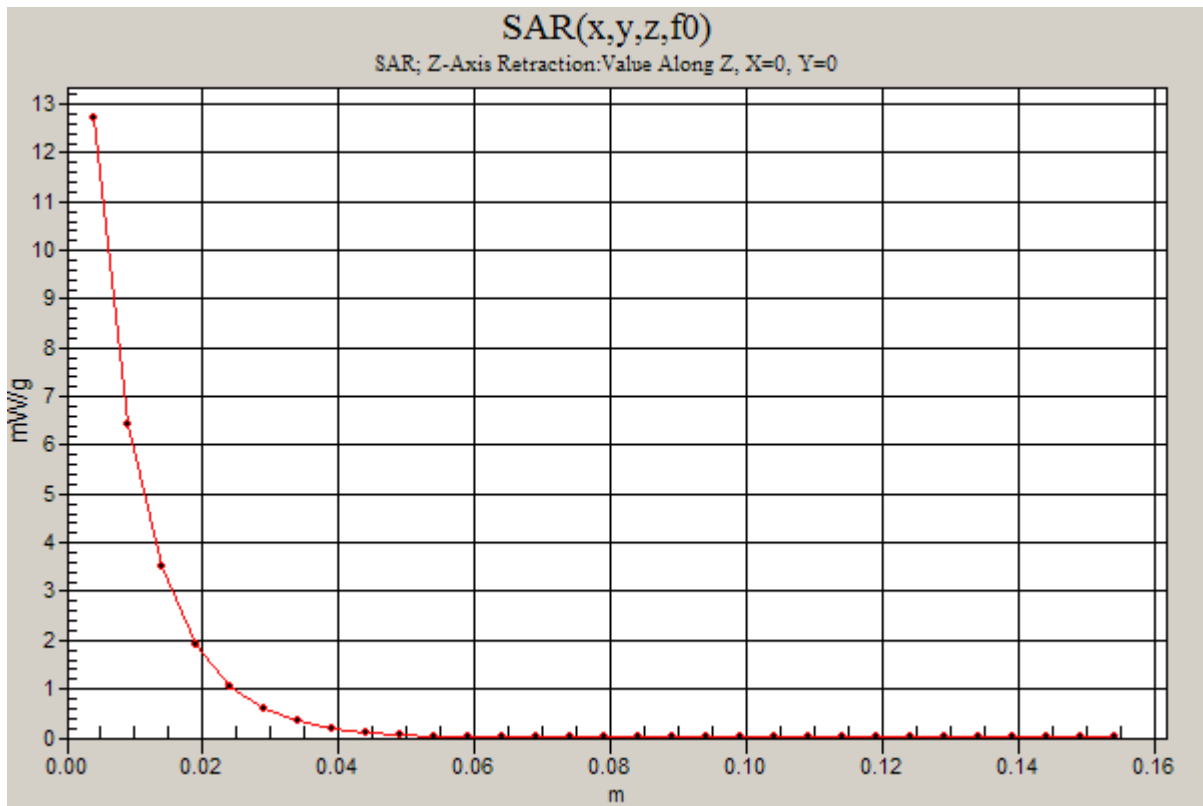
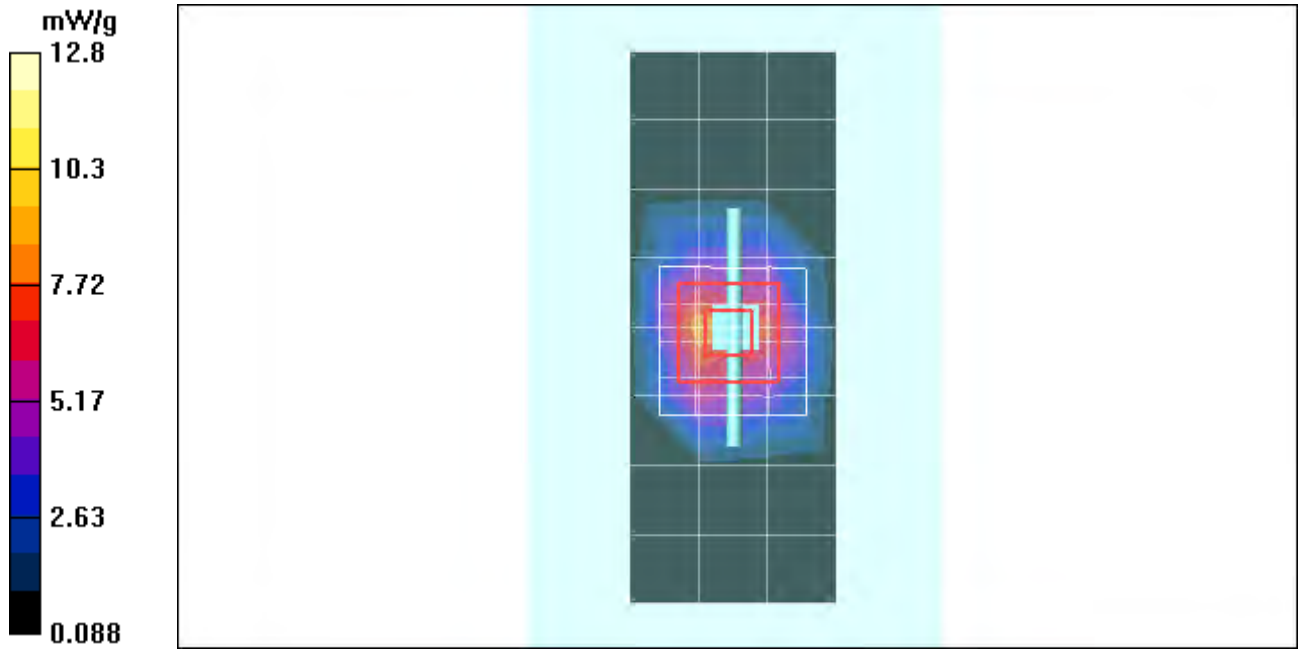
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 81.0 V/m; Power Drift = 0.007 dB; Peak SAR (extrapolated) = 24.4 W/kg

SAR(1 g) = 11.4 mW/g; SAR(10 g) = 5.22 mW/g; Maximum value of SAR (measured) = 12.8 mW/g

Daily SPC Check/Z-Axis Retraction (1x1x31):

Measurement grid: dx=20mm, dy=20mm, dz=5mm; Maximum value of SAR (measured) = 12.7 mW/g



Date/Time: 9/14/2011 8:31:26 AM

Test Laboratory: Motorola - Sep-14-2011 2450 MHz Body

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN: 863; FCC ID: IHDP56ME1

Procedure Notes: 2450 MHz System Performance Check; Dipole Sn# 863; Input Power = 200 mW

Sim.Temp@meas = 20.2 C; Sim.Temp@SPC = 20.2 C; Room Temp @ SPC = 21.0 C

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

Medium: Validation *BODY Tissue*

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.93$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3115; ConvF(4.12, 4.12, 4.12); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R#_6 - Triple Flat Phantom 5.1; Type: Triple Flat Phantom 5.1; Serial: n/a;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Daily SPC Check/Dipole Area Scan (4x15x1):

Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 11.6 mW/g

Daily SPC Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0:

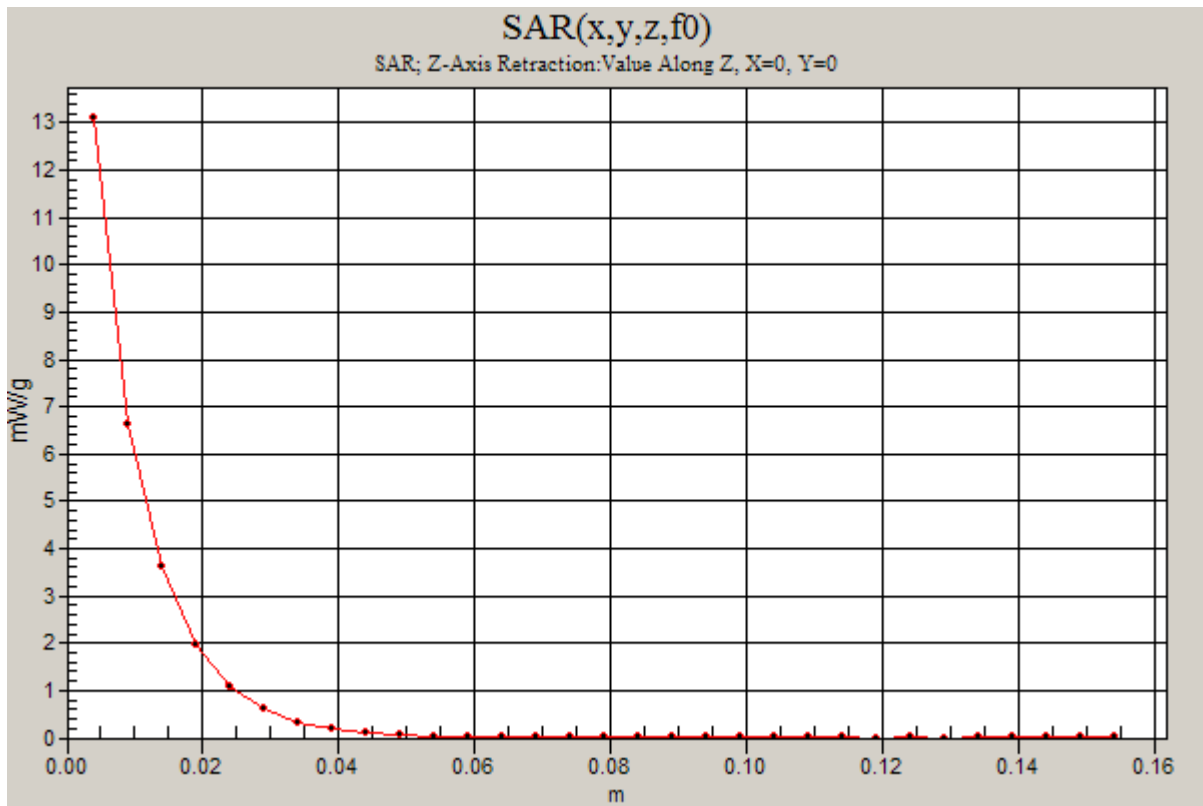
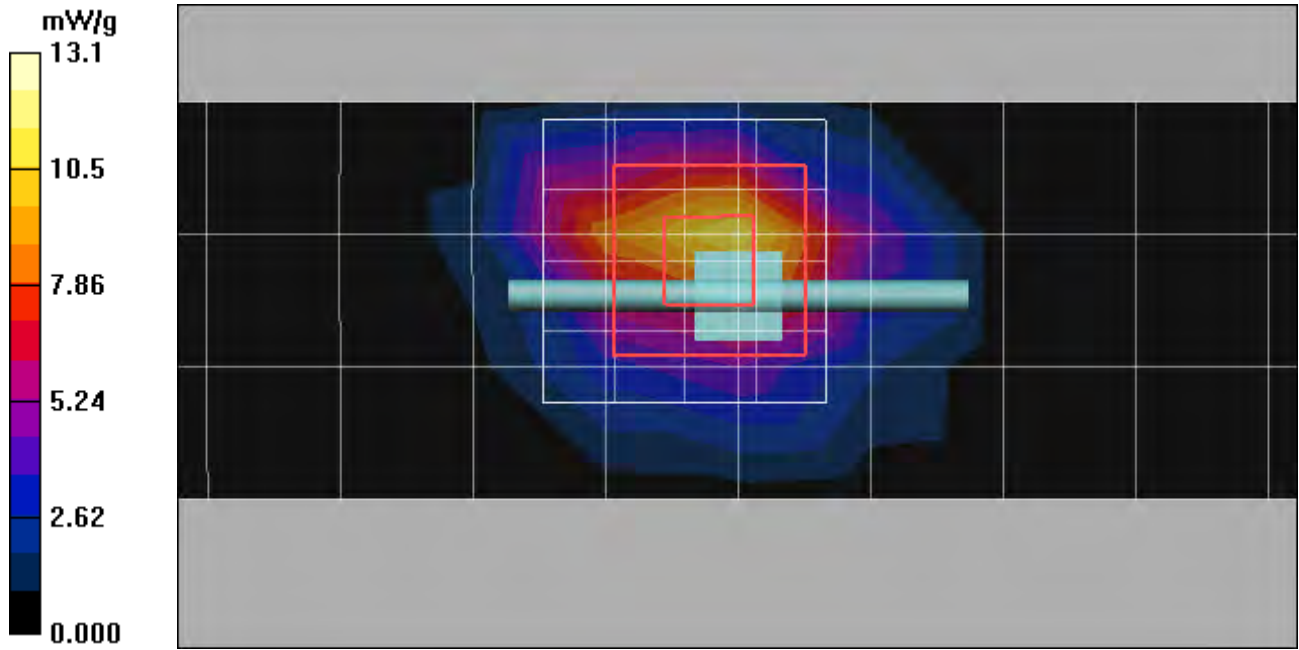
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 76.9 V/m; Power Drift = 0.003 dB; Peak SAR (extrapolated) = 24.6 W/kg

SAR(1 g) = 11.5 mW/g; SAR(10 g) = 5.32 mW/g; Maximum value of SAR (measured) = 12.9 mW/g

Daily SPC Check/Z-Axis Retraction (1x1x31):

Measurement grid: dx=20mm, dy=20mm, dz=5mm; Maximum value of SAR (measured) = 13.1 mW/g



Appendix 2

SAR distribution plots for Head Adjacent Test Results

Date/Time: 8/17/2011 8:58:56 PM

Test Laboratory: Motorola - LTE Band 13 Cheek

Serial: LS4V230052 ; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: N/A; Antenna Position: Internal; Accessory Model #: N/A

Battery Model #: Internal; DEVICE POSITION (cheek or rotated): Cheek

Device Mode: QPSK, 1 RB @ Low Channel Edge

Communication System: LTE Band 13; Frequency: 782 MHz; Channel Number: 23230; Duty Cycle: 1:1

Medium: Low Freq Head

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.87 \text{ mho/m}$; $\epsilon_r = 43.1$; $\rho = 1000 \text{ kg/m}^3$

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.11, 6.11, 6.11); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/20/2010
- Phantom: R#2_ Sugar SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1235;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Head Template/Area Scan - Normal (15mm) (7x17x1):

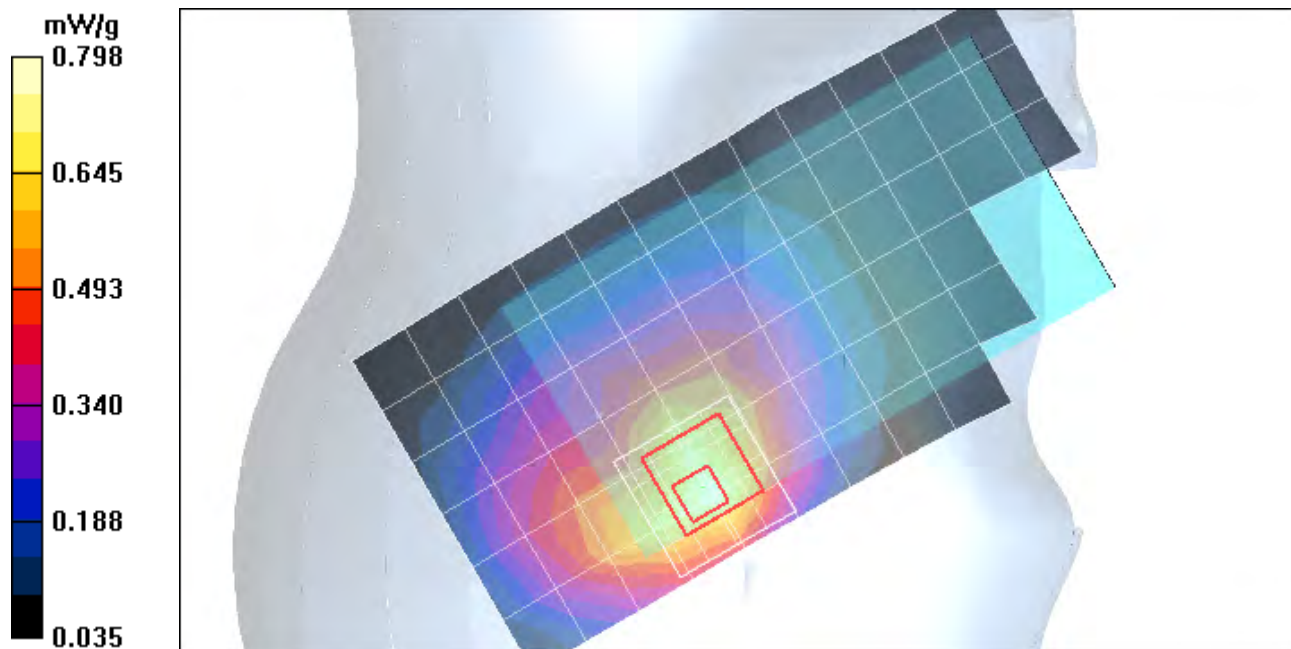
Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$; Maximum value of SAR (measured) = 0.793 mW/g

Right Head Template/5x5x7 Zoom Scan ($\leq 3\text{GHz}$) (5x5x7)/Cube 0:

Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.6 V/m; Power Drift = -0.126 dB; Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.742 mW/g; SAR(10 g) = 0.473 mW/g; Maximum value of SAR (measured) = 0.798 mW/g



Date/Time: 9/10/2011 12:10:23 PM

Test Laboratory: Motorola - LTE Band 13 Cheek

Serial: LS4V230049; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: N/A; Antenna Position: Internal; Accessory Model #: N/A

Battery Model #: Internal; DEVICE POSITION (cheek or rotated): Cheek

Device Mode: QPSK, 1 RB @ Low Channel Edge

Power Limit Reduction Enabled

Communication System: LTE Band 13; Frequency: 782 MHz; Channel Number: 23230; Duty Cycle: 1:1

Medium: Low Freq Head

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 43.1$; $\rho = 1000 \text{ kg/m}^3$

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.11, 6.11, 6.11); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/20/2010
- Phantom: R#2_ Sugar SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1235;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Head Template/Area Scan - Normal (15mm) (7x17x1):

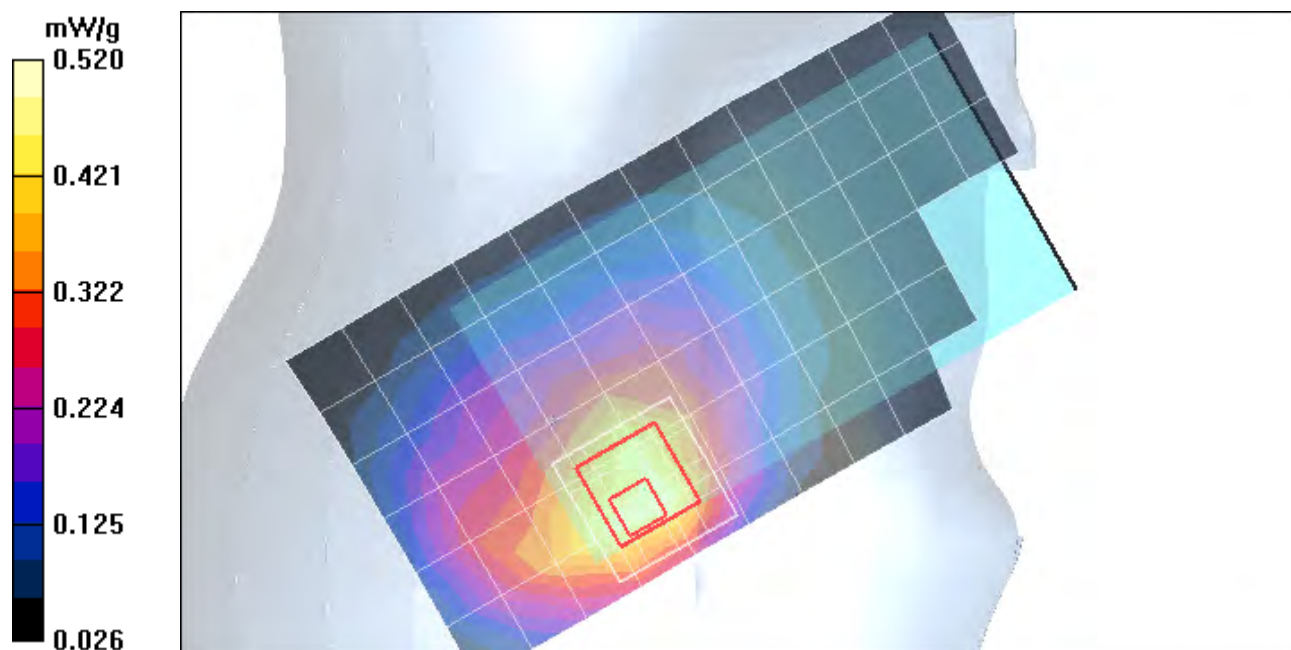
Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$; Maximum value of SAR (measured) = 0.493 mW/g

Right Head Template/5x5x7 Zoom Scan ($\leq 3\text{GHz}$) (5x5x7)/Cube 0:

Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.8 V/m; Power Drift = -0.022 dB; Peak SAR (extrapolated) = 0.792 W/kg

SAR(1 g) = 0.493 mW/g; SAR(10 g) = 0.311 mW/g; Maximum value of SAR (measured) = 0.520 mW/g



Date/Time: 8/17/2011 11:34:40 AM

Test Laboratory: Motorola - CDMA 800 Cheek

Serial: LS4V230044 ; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: All up Bits; Antenna Position: Internal; Accessory Model #: N/A

Battery Model #: Internal; DEVICE POSITION (cheek or rotated): Cheek

Communication System: CDMA 835; Frequency: 836.52 MHz; Channel Number: 384; Duty Cycle: 1:1

Medium: Low Freq Head

Medium parameters used: $f = 835$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 42.3$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.11, 6.11, 6.11); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/20/2010
- Phantom: R#2_ Sugar SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1235;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Head Template/Area Scan - Normal (15mm) (7x17x1):

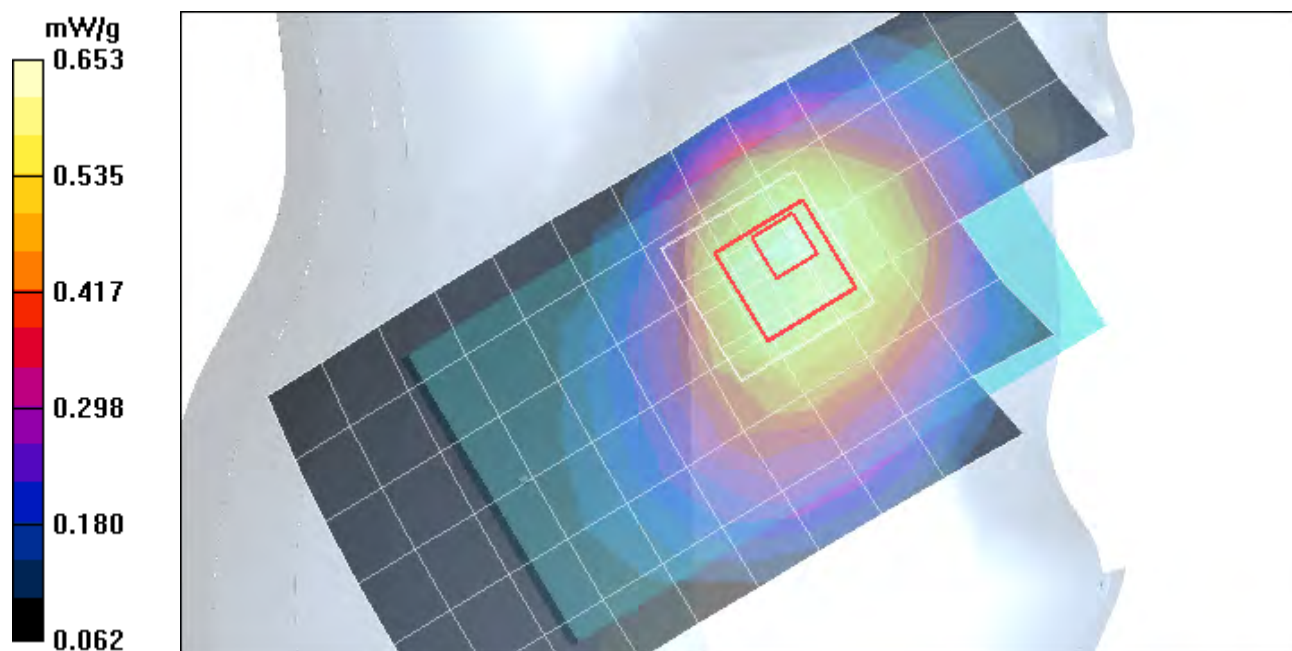
Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 0.638 mW/g

Right Head Template/5x5x7 Zoom Scan (<=3GHz) (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.0 V/m; Power Drift = 0.029 dB; Peak SAR (extrapolated) = 0.816 W/kg

SAR(1 g) = 0.626 mW/g; SAR(10 g) = 0.471 mW/g; Maximum value of SAR (measured) = 0.653 mW/g



Date/Time: 8/31/2011 2:25:20 AM

Test Laboratory: Motorola - CDMA 1900 Cheek

Serial: LS4V230044; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: All Up Bits; Antenna Position: Internal; Accessory Model #: N/A;

Battery Model #: Internal; DEVICE POSITION (cheek or rotated): Cheek

Communication System: CDMA 1900; Frequency: 1908.75 MHz; Channel Number: 1175; Duty Cycle: 1:1

Medium: Regular Glycol Head 1750/1880

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 38.2$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3115; ConvF(5.02, 5.02, 5.02); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R#-6 Glycol SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1131;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Head Template/Area Scan - Normal Extended (15mm) (7x17x1):

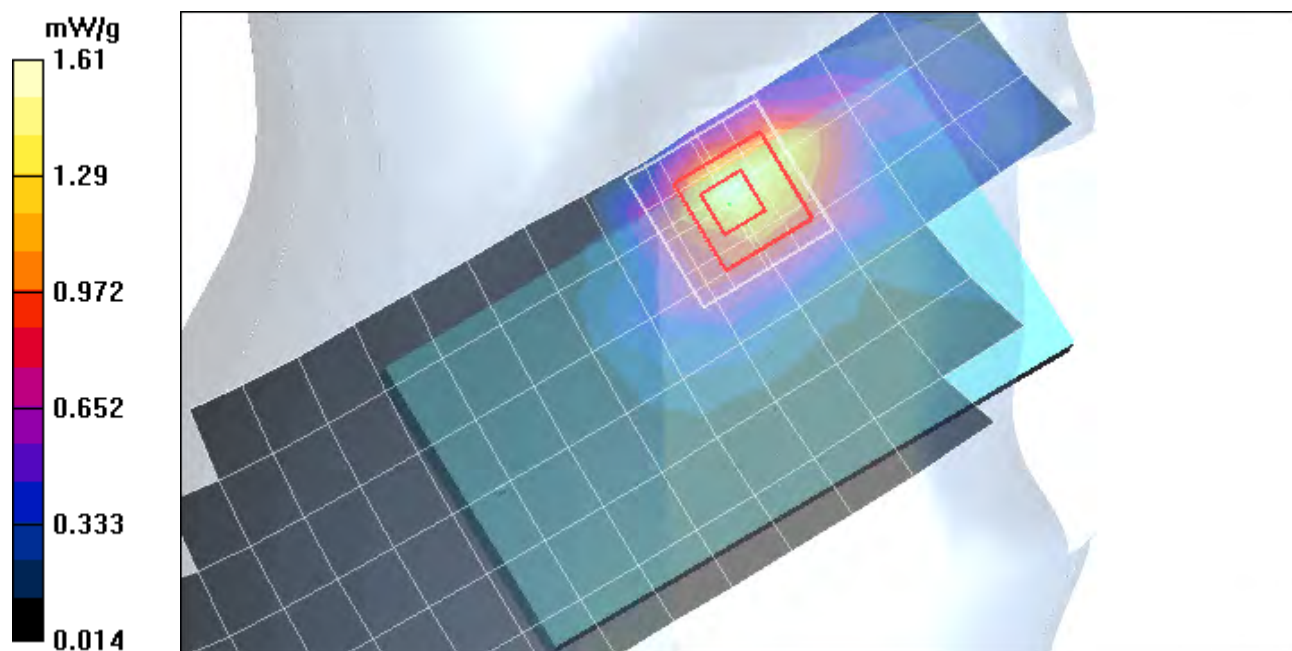
Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 1.58 mW/g

Right Head Template/5x5x7 Zoom Scan (<=3GHz) (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.4 V/m; Power Drift = -0.004 dB; Peak SAR (extrapolated) = 2.31 W/kg

SAR(1 g) = 1.45 mW/g; SAR(10 g) = 0.845 mW/g; Maximum value of SAR (measured) = 1.61 mW/g



Date/Time: 9/14/2011 10:34:52 AM

Test Laboratory: Motorola - CDMA 1900 Cheek

Serial: LS4V230044; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: All up Bits; Antenna Position: Internal; Accessory Model #: N/A

Battery Model #: Internal; DEVICE POSITION: Cheek

Power Limit Reduction Enabled

Communication System: CDMA 1900; Frequency: 1908.75 MHz; Channel Number: 1175; Duty Cycle: 1:1

Medium: Regular Glycol Head 1750/1880

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 38.1$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3115; ConvF(5.02, 5.02, 5.02); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R#-6 Glycol SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1131;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Head Template/Area Scan - Normal (15mm) (7x17x1):

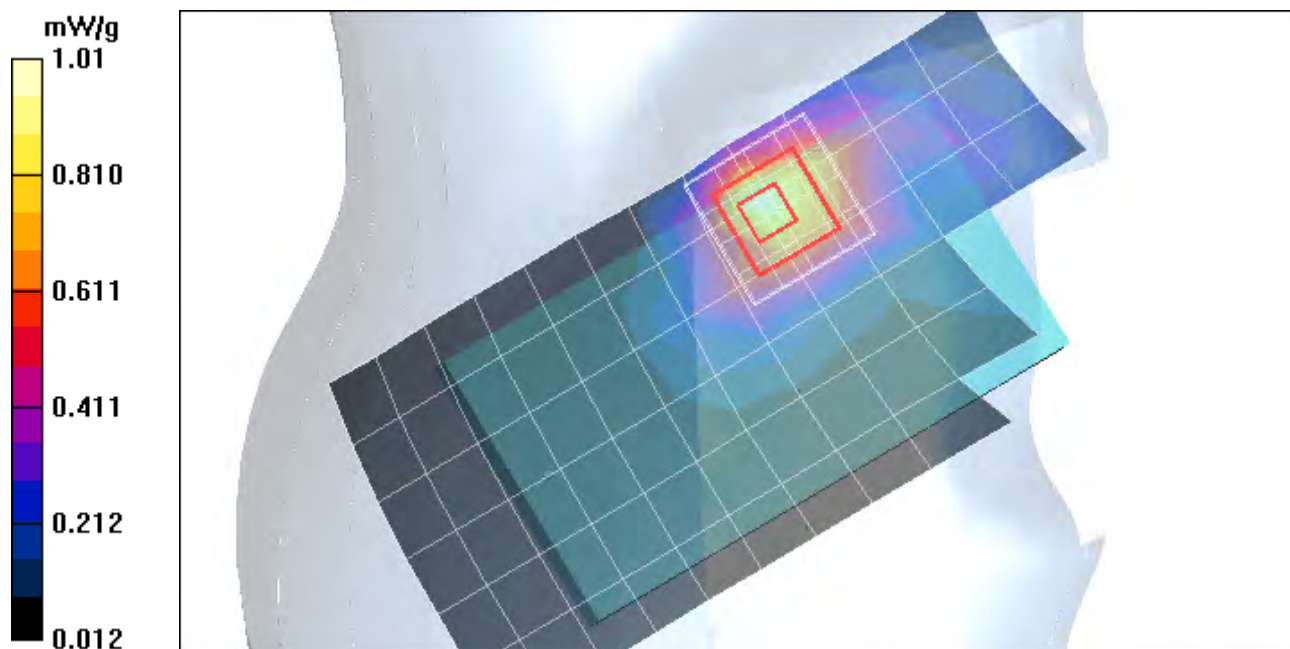
Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 0.998 mW/g

Right Head Template/5x5x7 Zoom Scan (<=3GHz) (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.9 V/m; Power Drift = -0.230 dB; Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.929 mW/g; SAR(10 g) = 0.537 mW/g; Maximum value of SAR (measured) = 1.01 mW/g



Date/Time: 9/20/2011 10:11:54 AM

Test Laboratory: Motorola - Wi-Fi 2450 Cheek

Serial: LS4V230096; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: N/A; Antenna Position: Internal; Accessory Model #: N/A

Battery Model #: Internal; DEVICE POSITION : Cheek

Device Mode: 802.11b mode, 1 Mbps data rate

Communication System: Wi-Fi 2450; Frequency: 2462 MHz; Channel Number: 11; Duty Cycle: 1:1

Medium: 2450 Glycol Head

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.86$ mho/m; $\epsilon_r = 38.8$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3115; ConvF(4.39, 4.39, 4.39); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R#-6 Glycol SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1131;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Head Template/Area Scan - Normal (15mm) (7x17x1):

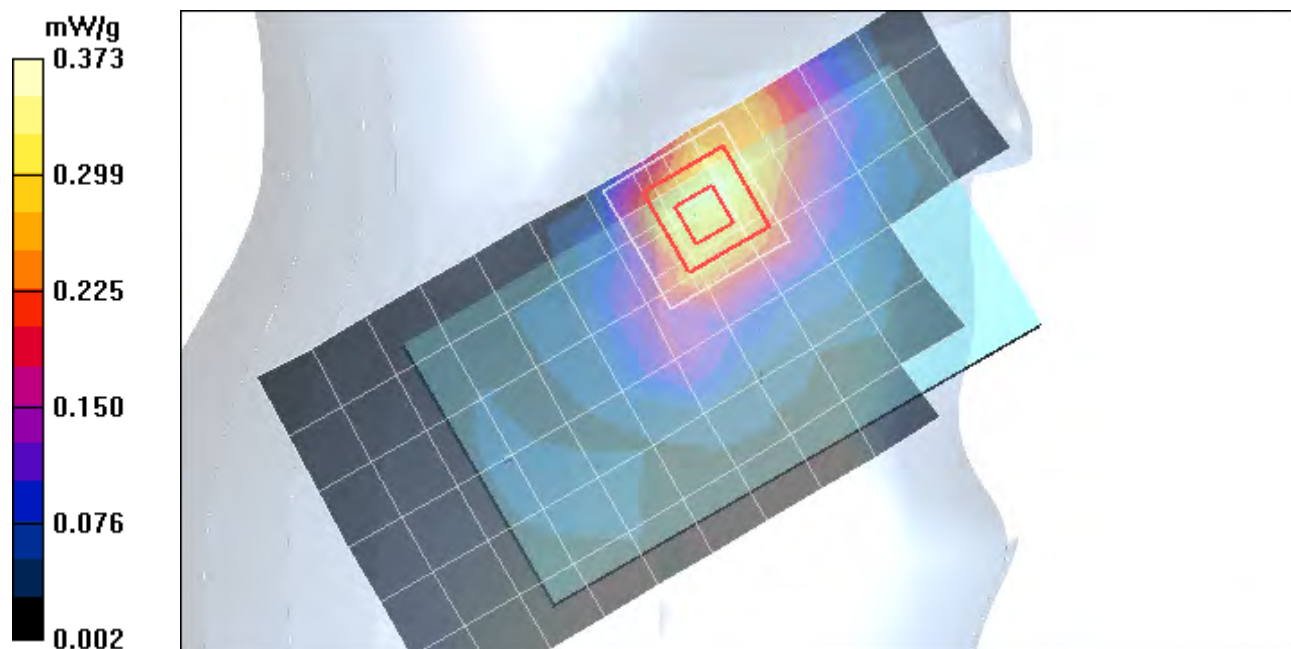
Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 0.349 mW/g

Right Head Template/5x5x7 Zoom Scan (<=3GHz) (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.5 V/m; Power Drift = 0.043 dB; Peak SAR (extrapolated) = 0.634 W/kg

SAR(1 g) = 0.344 mW/g; SAR(10 g) = 0.190 mW/g; Maximum value of SAR (measured) = 0.373 mW/g



Date/Time: 8/17/2011 11:50:16 PM

Test Laboratory: Motorola - LTE Band 13 Tilt

Serial: LS4V230052 ; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: N/A; Antenna Position: Internal; Accessory Model #: N/A

Battery Model #: Internal; DEVICE POSITION (cheek or rotated): Tilt

Device Mode: QPSK, 1 RB @ Low Channel Edge

Communication System: LTE Band 13; Frequency: 782 MHz; Channel Number: 23230; Duty Cycle: 1:1

Medium: Low Freq Head

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.87 \text{ mho/m}$; $\epsilon_r = 43.1$; $\rho = 1000 \text{ kg/m}^3$

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.11, 6.11, 6.11); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/20/2010
- Phantom: R#2_ Sugar SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1235;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Head Template/Area Scan - Normal (15mm) (7x17x1):

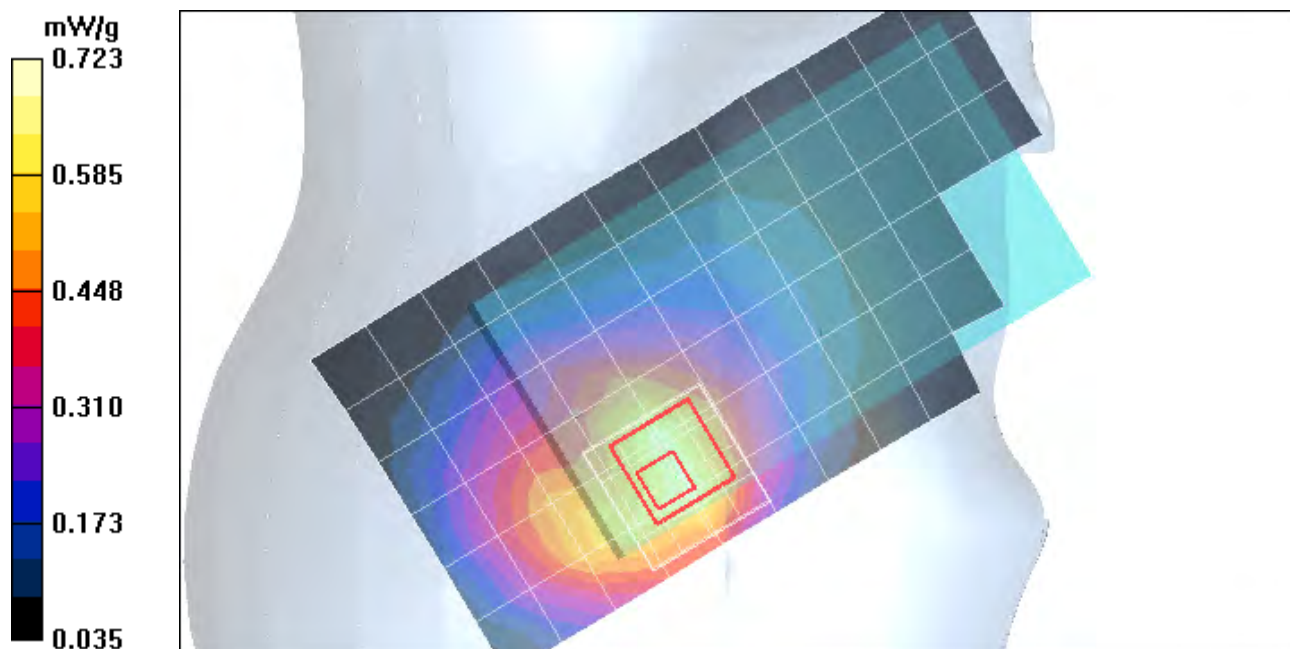
Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$; Maximum value of SAR (measured) = 0.693 mW/g

Right Head Template/5x5x7 Zoom Scan ($\leq 3\text{GHz}$) (5x5x7)/Cube 0:

Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 27.3 V/m; Power Drift = -0.160 dB; Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.677 mW/g; SAR(10 g) = 0.436 mW/g; Maximum value of SAR (measured) = 0.723 mW/g



Date/Time: 9/10/2011 4:40:56 PM

Test Laboratory: Motorola - LTE Band 13 Tilt

Serial: LS4V230049; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: N/A; Antenna Position: Internal; Accessory Model #: N/A

Battery Model #: Internal; DEVICE POSITION (cheek or rotated): Tilt

Device Mode: QPSK, 1 RB @ Low Channel Edge

Power Limit Reduction Enabled

Communication System: LTE Band 13; Frequency: 782 MHz; Channel Number: 23230; Duty Cycle: 1:1

Medium: Low Freq Head

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 43.1$; $\rho = 1000 \text{ kg/m}^3$

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.11, 6.11, 6.11); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/20/2010
- Phantom: R#2_ Sugar SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1235;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Head Template/Area Scan - Normal (15mm) (7x17x1):

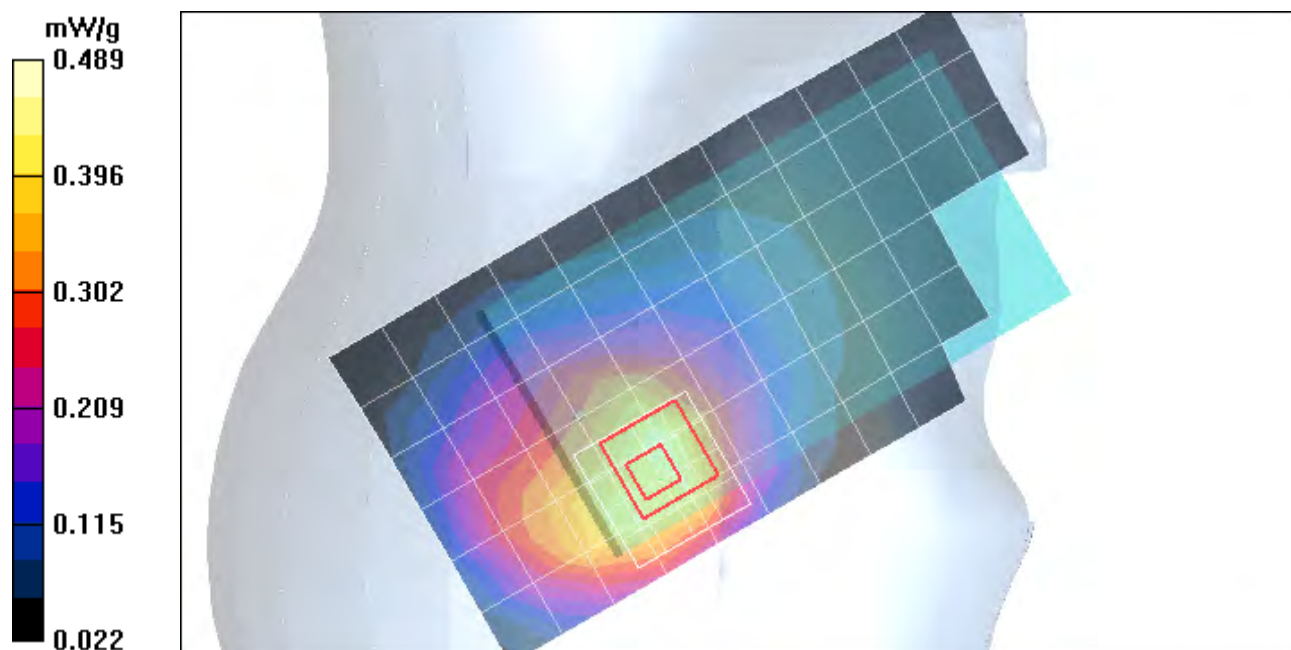
Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$; Maximum value of SAR (measured) = 0.455 mW/g

Right Head Template/5x5x7 Zoom Scan ($\leq 3\text{GHz}$) (5x5x7)/Cube 0:

Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 23.1 V/m; Power Drift = -0.204 dB; Peak SAR (extrapolated) = 0.702 W/kg

SAR(1 g) = 0.456 mW/g; SAR(10 g) = 0.294 mW/g; Maximum value of SAR (measured) = 0.489 mW/g



Date/Time: 8/17/2011 10:00:34 AM

Test Laboratory: Motorola - CDMA 800 Tilt

Serial: LS4V230044 ; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: All up Bits; Antenna Position: Internal; Accessory Model #: N/A

Battery Model #: Internal; DEVICE POSITION (cheek or rotated): Tilted

Communication System: CDMA 835; Frequency: 836.52 MHz; Channel Number: 384; Duty Cycle: 1:1

Medium: Low Freq Head

Medium parameters used: $f = 835$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 42.3$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.11, 6.11, 6.11); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/20/2010
- Phantom: R#2_ Sugar SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1235;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Left Head Template/Area Scan - Normal (15mm) (7x17x1):

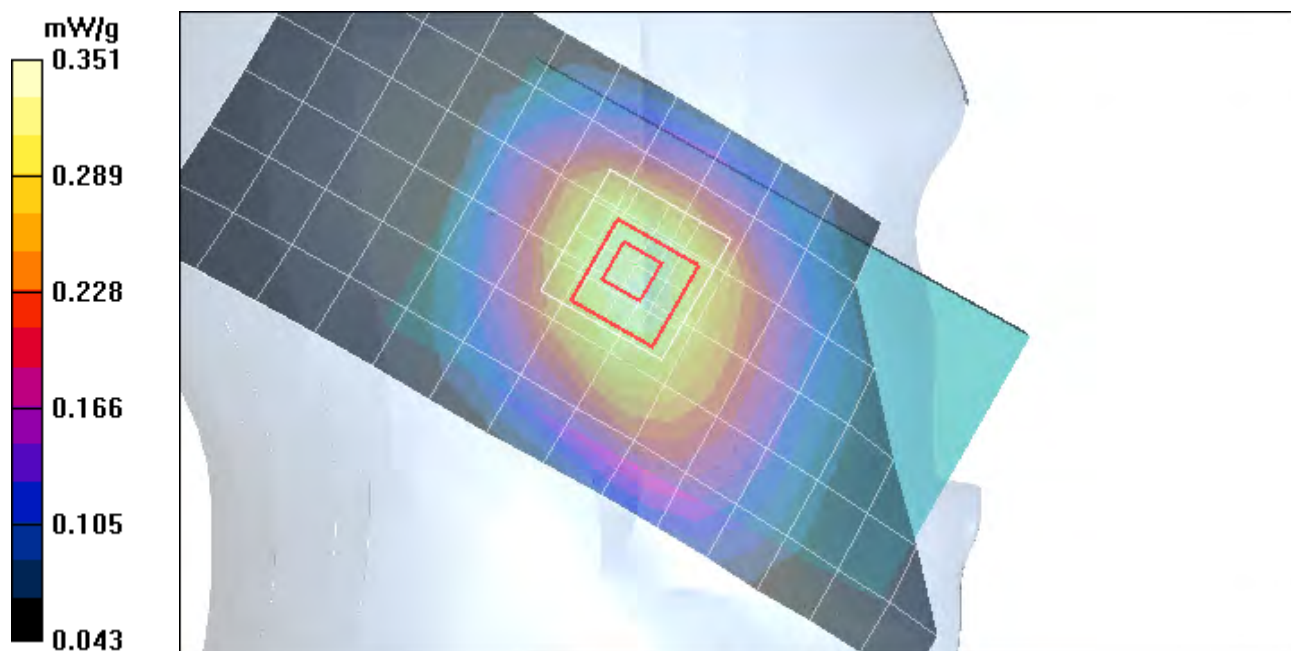
Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 0.341 mW/g

Left Head Template/5x5x7 Zoom Scan (<=3GHz) (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.1 V/m; Power Drift = 0.140 dB; Peak SAR (extrapolated) = 0.416 W/kg

SAR(1 g) = 0.334 mW/g; SAR(10 g) = 0.256 mW/g; Maximum value of SAR (measured) = 0.351 mW/g



Date/Time: 8/30/2011 11:30:11 PM

Test Laboratory: Motorola - CDMA 1900 Tilt

Serial: LS4V230044; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: All Up Bits; Antenna Position: Internal; Accessory Model #: N/A

Battery Model #: Internal; DEVICE POSITION (cheek or rotated): Rotated

Communication System: CDMA 1900; Frequency: 1880 MHz; Channel Number: 600; Duty Cycle: 1:1

Medium: Regular Glycol Head 1750/1880

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 38.2$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3115; ConvF(5.02, 5.02, 5.02); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R#-6 Glycol SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1131;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Left Head Template/Area Scan - Normal Extended (15mm) (7x17x1):

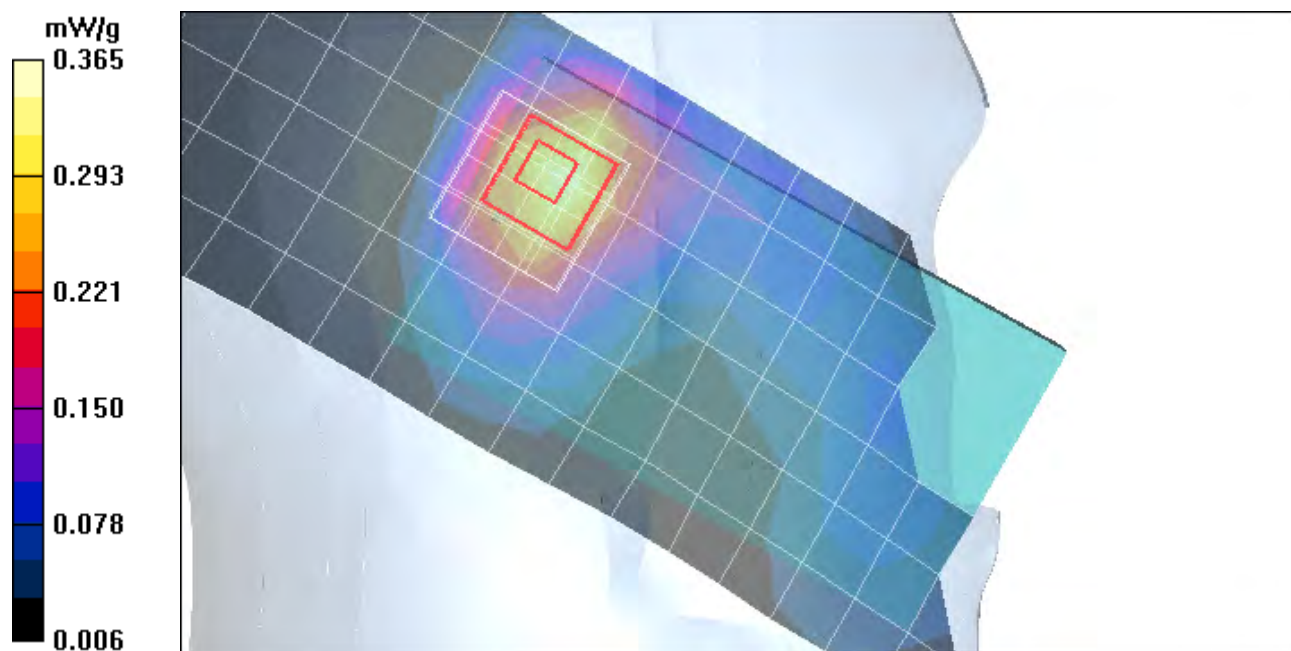
Measurement grid: $dx=15$ mm, $dy=15$ mm; Maximum value of SAR (measured) = 0.346 mW/g

Left Head Template/5x5x7 Zoom Scan (≤ 3 GHz) (5x5x7)/Cube 0:

Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.8 V/m; Power Drift = -0.013 dB; Peak SAR (extrapolated) = 0.531 W/kg

SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.203 mW/g; Maximum value of SAR (measured) = 0.365 mW/g



Date/Time: 9/20/2011 7:39:34 PM

Test Laboratory: Motorola - Wi-Fi 2450 Tilt

Serial: LS4V230096; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: N/A; Antenna Position: Internal; Accessory Model #: N/A

Battery Model #: Internal; DEVICE POSITION: Tilt

Device Mode: 802.11b mode, 1 Mbps data rate

Communication System: Wi-Fi 2450; Frequency: 2462 MHz; Channel Number: 11; Duty Cycle: 1:1

Medium: 2450 Glycol Head

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.86$ mho/m; $\epsilon_r = 38.8$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3115; ConvF(4.39, 4.39, 4.39); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R#-6 Glycol SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1131;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Left Head Template/Area Scan - Normal (15mm) (7x17x1):

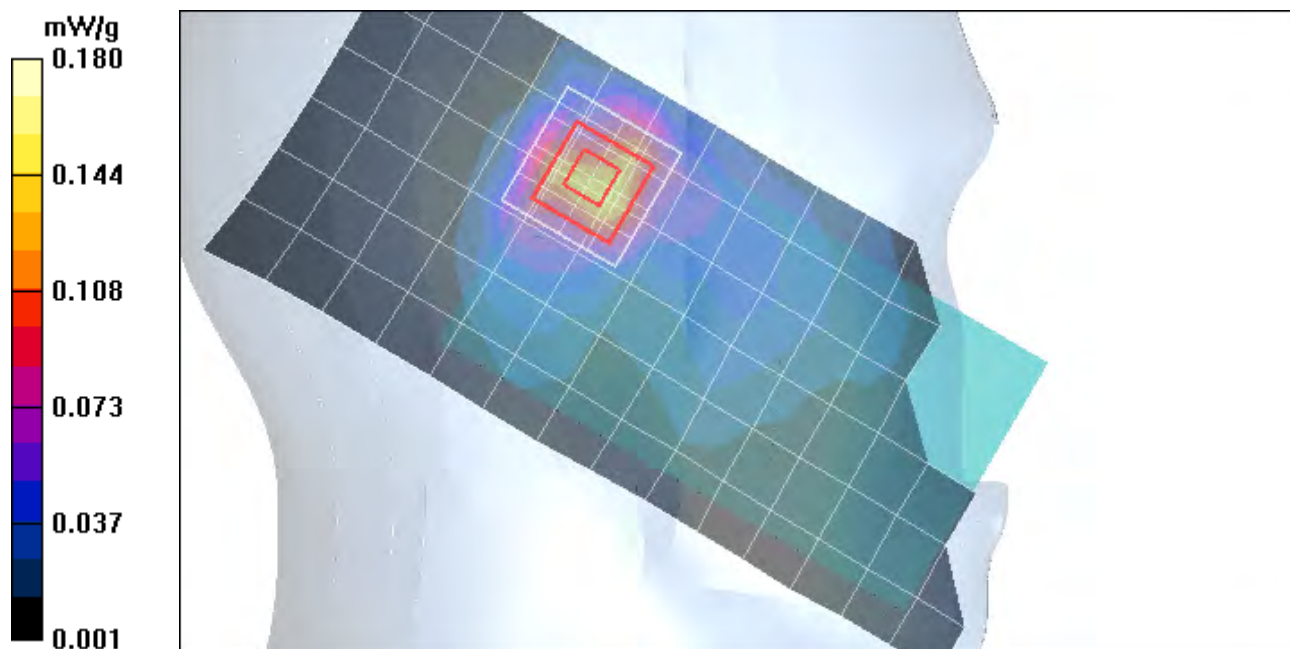
Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 0.138 mW/g

Left Head Template/5x5x7 Zoom Scan (<=3GHz) (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.19 V/m; Power Drift = -0.050 dB; Peak SAR (extrapolated) = 0.325 W/kg

SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.080 mW/g; Maximum value of SAR (measured) = 0.180 mW/g



Appendix 3

SAR distribution plots for Body Worn Test Results

Date/Time: 8/21/2011 11:54:18 AM

Test Laboratory: Motorola - LTE Band 13 Body-Worn

Serial: LS4V230052; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: N/A; Antenna Position: Internal; Battery Model #: Internal

Device Position: Body Worn, Back of Phone 25 mm from Phantom

Device Mode: 16QAM, 1 RB @ Low Channel Edge

Communication System: LTE Band 13; Frequency: 782 MHz; Channel Number: 23230; Duty Cycle: 1:1

Medium: Low Freq Body

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.1, 6.1, 6.1); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/20/2010
- Phantom: R#2_ Section 2, Amy Twin, Rev3 (3-Feb-10); Type: Amy Twin Flat; Serial: n/a;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Amy Twin Phone Template/Area Scan - Normal Body (15mm) (13x7x1):

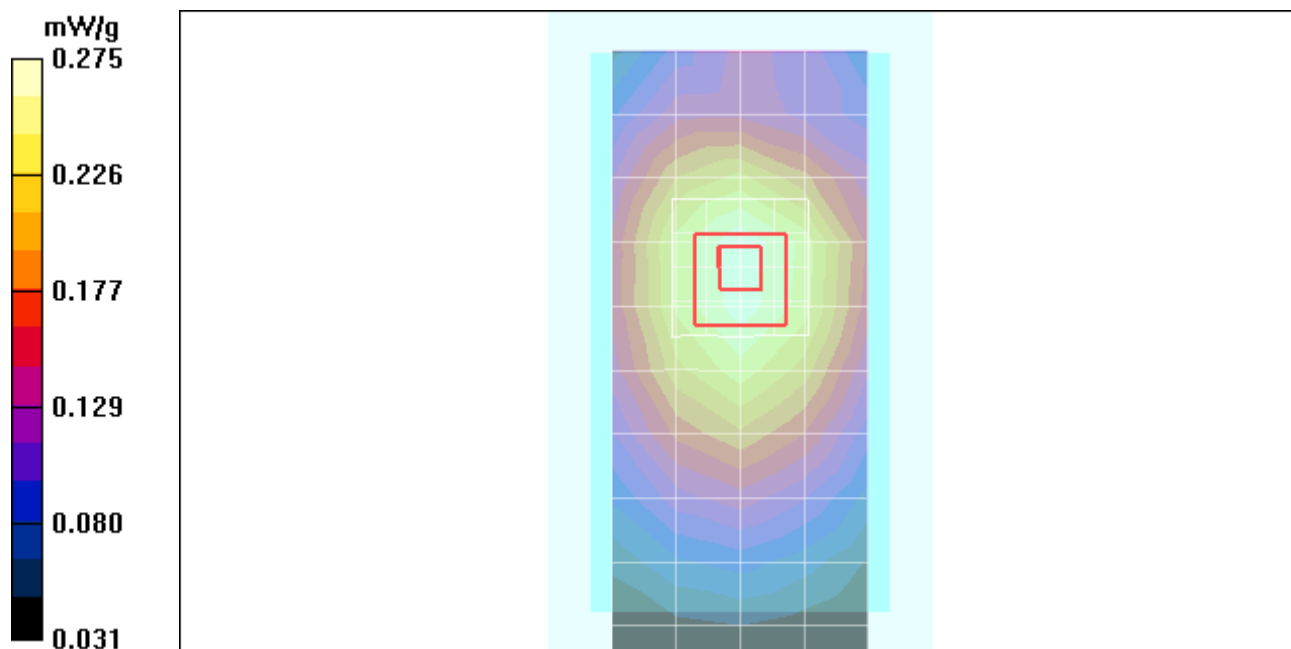
Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$; Maximum value of SAR (measured) = 0.273 mW/g

Amy Twin Phone Template/5x5x7 Zoom Scan ($\leq 3\text{GHz}$) (5x5x7)/Cube 0:

Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.5 V/m; Power Drift = -0.124 dB; Peak SAR (extrapolated) = 0.332 W/kg

SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.199 mW/g; Maximum value of SAR (measured) = 0.275 mW/g



Date/Time: 9/8/2011 10:53:58 PM

Test Laboratory: Motorola - LTE Band 13 Body-Worn

Serial: LS4V230049; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: N/A; Antenna Position: Internal; Battery Model #: Internal

Device Position: Body Worn, Back of Phone 25 mm from Phantom

Device Mode: QPSK, 1 RB @ Low Channel Edge

Power Limit Reduction Enabled

Communication System: LTE Band 13; Frequency: 782 MHz; Channel Number: 23230; Duty Cycle: 1:1

Medium: Low Freq Body

Medium parameters used: $f = 782$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.1, 6.1, 6.1); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/20/2010
- Phantom: R#2_ Section 2, Amy Twin, Rev3 (3-Feb-10); Type: Amy Twin Flat; Serial: n/a;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Amy Twin Phone Template/Area Scan - Normal Extended Body (15mm) (16x7x1):

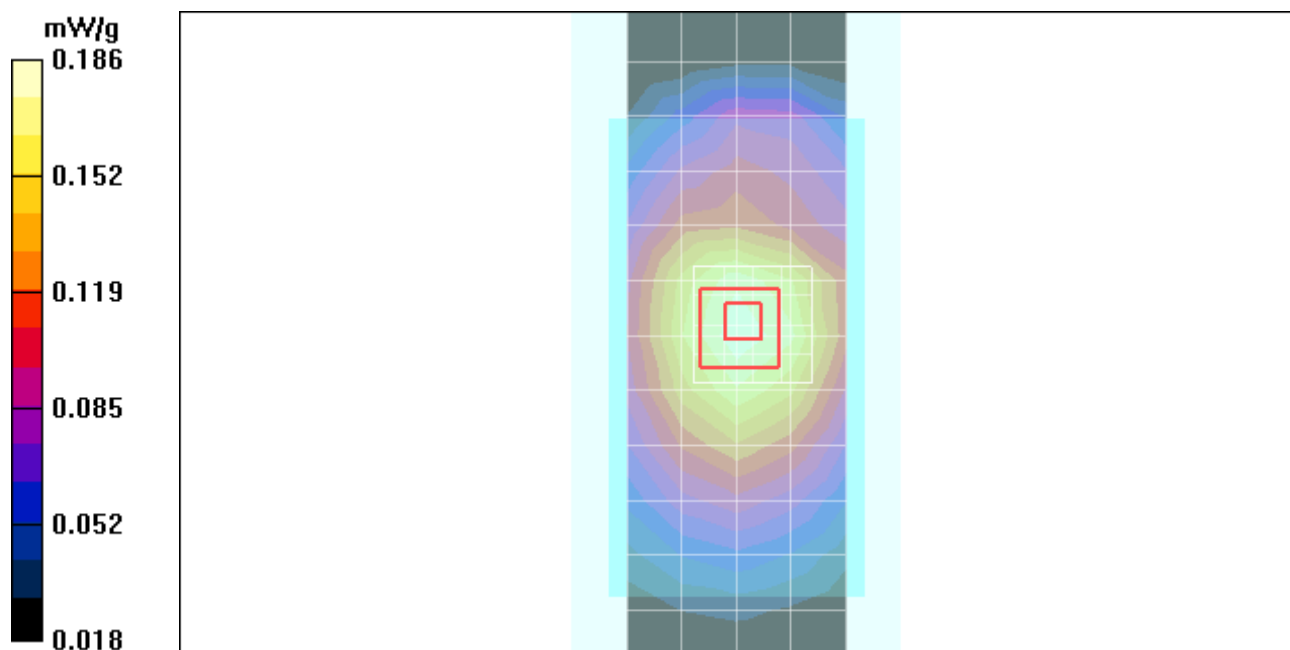
Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 0.184 mW/g

Amy Twin Phone Template/5x5x7 Zoom Scan (<=3GHz) (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.4 V/m; Power Drift = -0.004 dB; Peak SAR (extrapolated) = 0.224 W/kg

SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.133 mW/g; Maximum value of SAR (measured) = 0.186 mW/g



Date/Time: 8/13/2011 11:35:19 AM

Test Laboratory: Motorola - CDMA 800 Body-Worn

Serial: LS4V230044; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: ALL Up Bits; Antenna Position: Internal; Battery Model #: Internal

Device Position: Body Worn, Front of Phone 25 mm from Phantom

Communication System: CDMA 835; Frequency: 836.52 MHz; Channel Number: 384; Duty Cycle: 1:1

Medium: Low Freq Body

Medium parameters used: $f = 835$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.1, 6.1, 6.1); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/20/2010
- Phantom: R#2_ Section 2, Amy Twin, Rev3 (3-Feb-10); Type: Amy Twin Flat; Serial: n/a;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Amy Twin Phone Template/Area Scan - Normal Extended Body (15mm) (16x7x1):

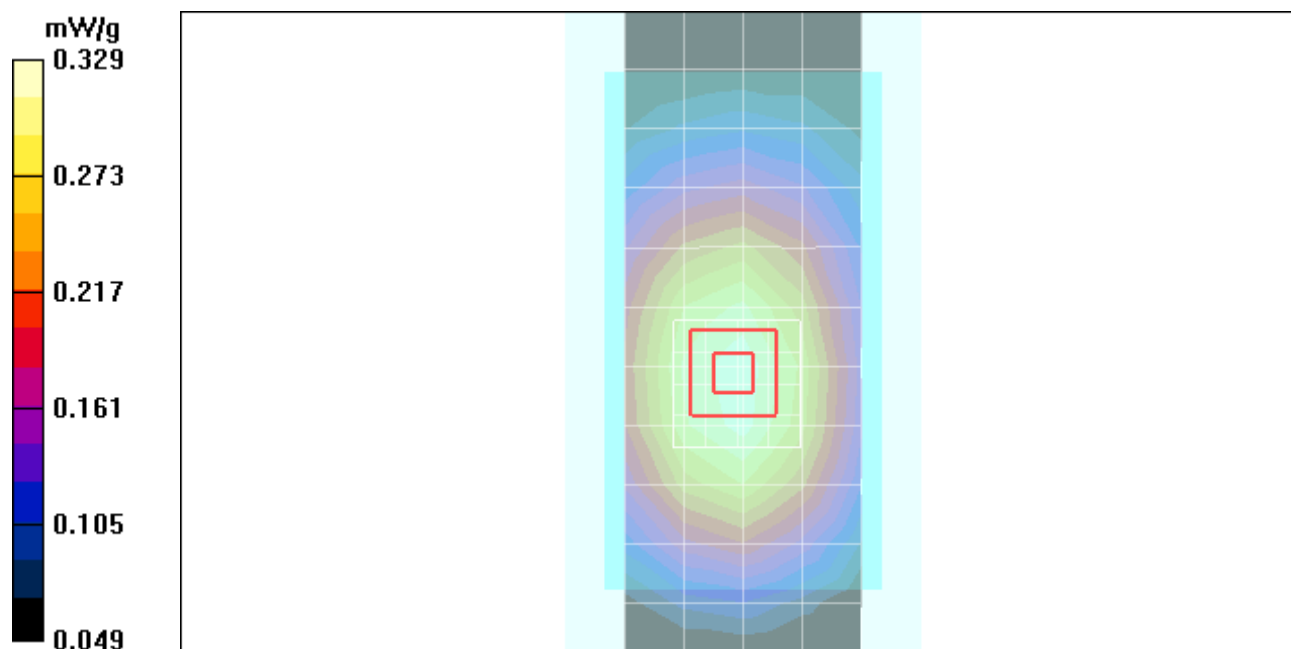
Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 0.326 mW/g

Amy Twin Phone Template/5x5x7 Zoom Scan (<=3GHz) (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.2 V/m; Power Drift = -0.021 dB; Peak SAR (extrapolated) = 0.405 W/kg

SAR(1 g) = 0.315 mW/g; SAR(10 g) = 0.237 mW/g; Maximum value of SAR (measured) = 0.329 mW/g



Date/Time: 8/31/2011 2:22:33 PM

Test Laboratory: Motorola - CDMA 1900 Body-Worn

Serial: LS4V230044; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: All up Bits; Antenna Position: Internal; Battery Model #: Internal

Device Position: Body Worn, Back of Phone 25 mm from Phantom

Communication System: CDMA 1900; Frequency: 1880 MHz; Channel Number: 600; Duty Cycle: 1:1

Medium: Regular Glycol Body 1750/1880

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3115; ConvF(4.61, 4.61, 4.61); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R#_6 - Triple Flat Phantom 5.1; Type: Triple Flat Phantom 5.1; Serial: N/A;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Triple Flat Phone Template/Area Scan - Normal Phone (15mm) (8x12x1):

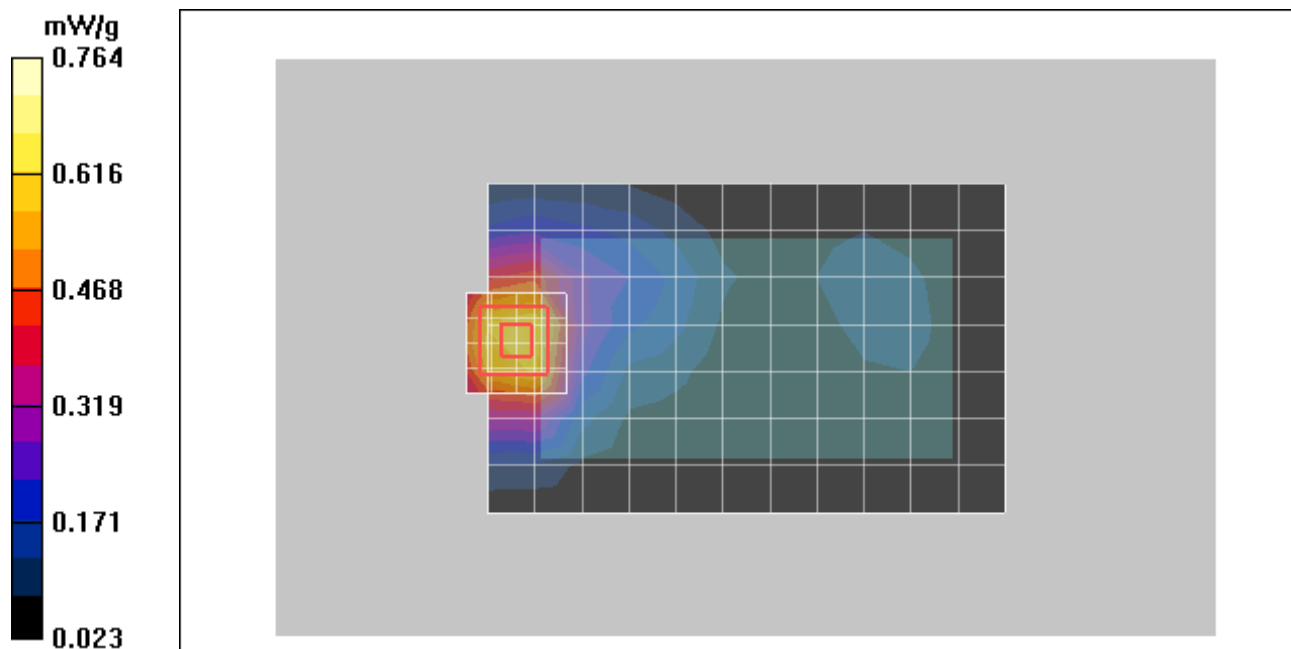
Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 0.673 mW/g

Triple Flat Phone Template/5x5x7 Zoom Scan (<=3GHz) (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.7 V/m; Power Drift = -0.042 dB; Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.701 mW/g; SAR(10 g) = 0.431 mW/g; Maximum value of SAR (measured) = 0.764 mW/g



Date/Time: 8/17/2011 11:44:01 AM

Test Laboratory: Motorola - Wi-Fi 2450 Body-Worn

Serial: LS4V230096; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: N/A; Antenna Position: Internal; Battery Model #: Internal

Device Position: Body Worn, Back of Phone 25 mm from Phantom

Device Mode: 802.11b mode, 1 Mbps data rate

Communication System: Wi-Fi 2450; Frequency: 2462 MHz; Channel Number: 11; Duty Cycle: 1:1

Medium: 2450 Glycol Body

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3115; ConvF(4.12, 4.12, 4.12); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R4 : Sect.1, Amy Twin, Rev.3 (3-Feb-10); Type: Amy Twin Flat; Serial: n/a;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Amy Twin Phone Template/Area Scan - Normal Body (15mm) (13x7x1):

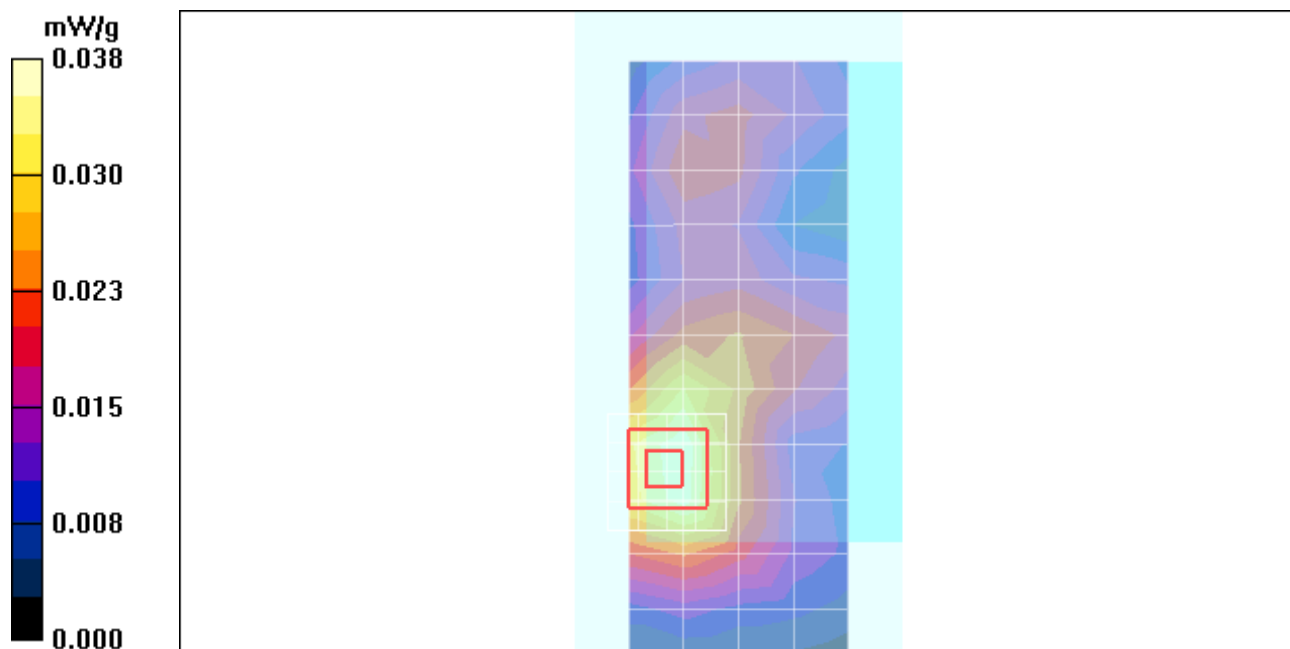
Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 0.038 mW/g

Amy Twin Phone Template/5x5x7 Zoom Scan (<=3GHz) (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.17 V/m; Power Drift = -0.005 dB; Peak SAR (extrapolated) = 0.066 W/kg

SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.022 mW/g; Maximum value of SAR (measured) = 0.041 mW/g



Appendix 4

SAR distribution plots for Lapdock Accessory Test Results

Date/Time: 9/14/2011 8:06:22 PM

Test Laboratory: Motorola - LTE Band 13 with Lapdock

Serial: LS4V230052; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: N/A; Antenna Position: Internal; Battery Model #: Internal

Device Position: Body-Adjacent with Lapdock, Bottom Surface 0 mm from Phantom

Device Mode: 16QAM, 1 RB @ Low Channel Edge

Communication System: LTE Band 13; Frequency: 782 MHz; Channel Number: 23230; Duty Cycle: 1:1

Medium: BIG BODY

Medium parameters used: $f = 782$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.1, 6.1, 6.1); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn702; Calibrated: 4/14/2011
- Phantom: R#2 Glycol SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1136;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SAM Phone Against Flat Section/Tablet Long Edge Area Scan - Body (15mm) (21x9x1):

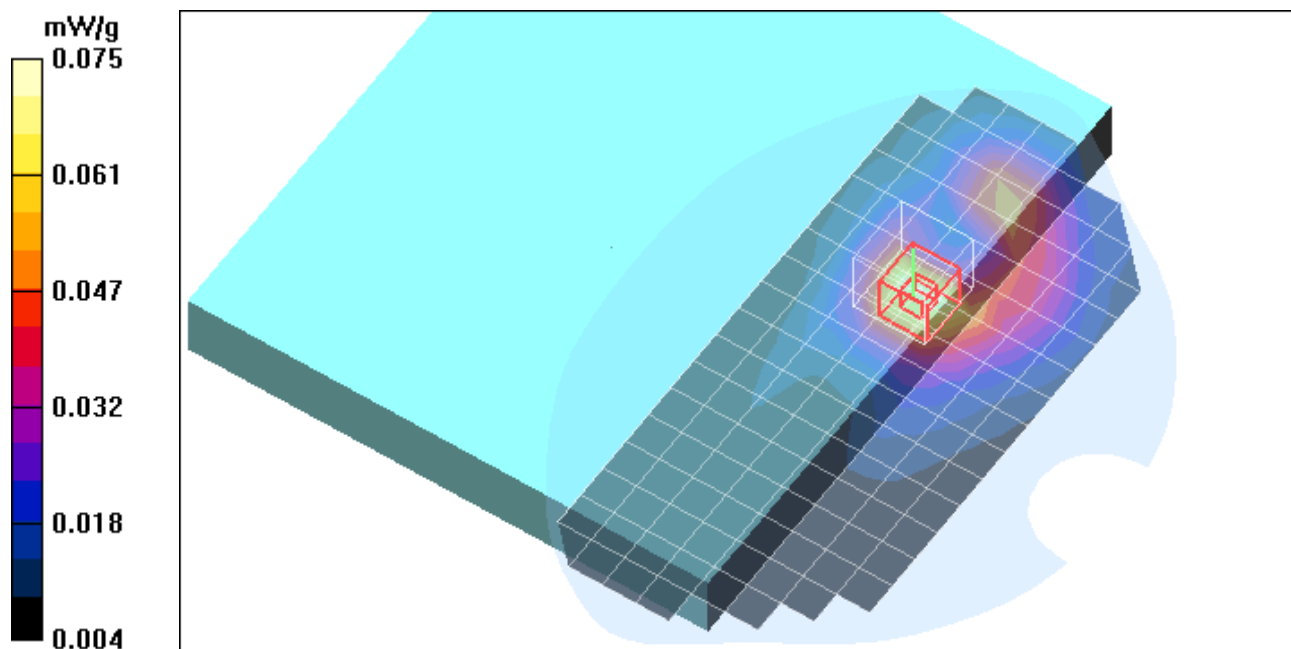
Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 0.071 mW/g

SAM Phone Against Flat Section/5x5x7 Zoom Scan (<=3GHz) (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.94 V/m; Power Drift = -0.386 dB; Peak SAR (extrapolated) = 0.106 W/kg

SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.045 mW/g; Maximum value of SAR (measured) = 0.075 mW/g



Date/Time: 9/14/2011 7:35:44 PM

Test Laboratory: Motorola - CDMA 800 with Lapdock

Serial: LS4V230044; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: All up Bits; Antenna Position: Internal; Battery Model #: Internal

Device Position: Body-Adjacent with Lapdock, Bottom Surface 0 mm from Phantom

Communication System: CDMA 835; Frequency: 836.52 MHz; Channel Number: 384; Duty Cycle: 1:1

Medium: BIG BODY

Medium parameters used: $f = 835$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.1, 6.1, 6.1); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn702; Calibrated: 4/14/2011
- Phantom: R#2 Glycol SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1136;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SAM Phone Against Flat Section/Tablet Long Edge Area Scan - Body (15mm) (21x9x1):

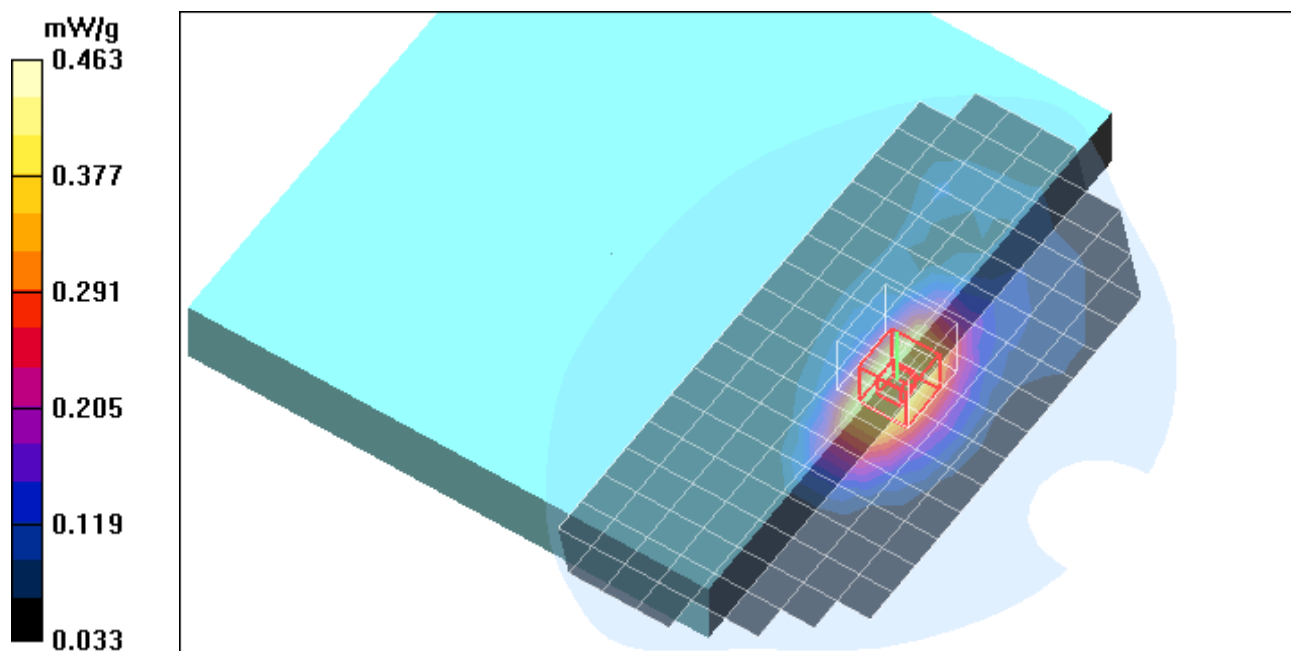
Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 0.408 mW/g

SAM Phone Against Flat Section/5x5x7 Zoom Scan (<=3GHz) (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.4 V/m; Power Drift = -0.061 dB; Peak SAR (extrapolated) = 0.599 W/kg

SAR(1 g) = 0.433 mW/g; SAR(10 g) = 0.296 mW/g; Maximum value of SAR (measured) = 0.463 mW/g



Date/Time: 9/14/2011 9:31:06 PM

Test Laboratory: Motorola - CDMA 1900 with Lapdock

Serial: LS4V230044; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: All up Bits; Antenna Position: Internal; Battery Model #: Internal

Device Position: Body-Adjacent with Lapdock, Bottom Surface 0 mm from Phantom

Communication System: CDMA 1900; Frequency: 1880 MHz; Channel Number: 600; Duty Cycle: 1:1

Medium: Regular Glycol Body 1750/1880

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3115; ConvF(4.61, 4.61, 4.61); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R#-6 Glycol SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1131;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SAM Phone Against Flat Section/Tablet Long Edge Area Scan - Body (15mm) (21x9x1):

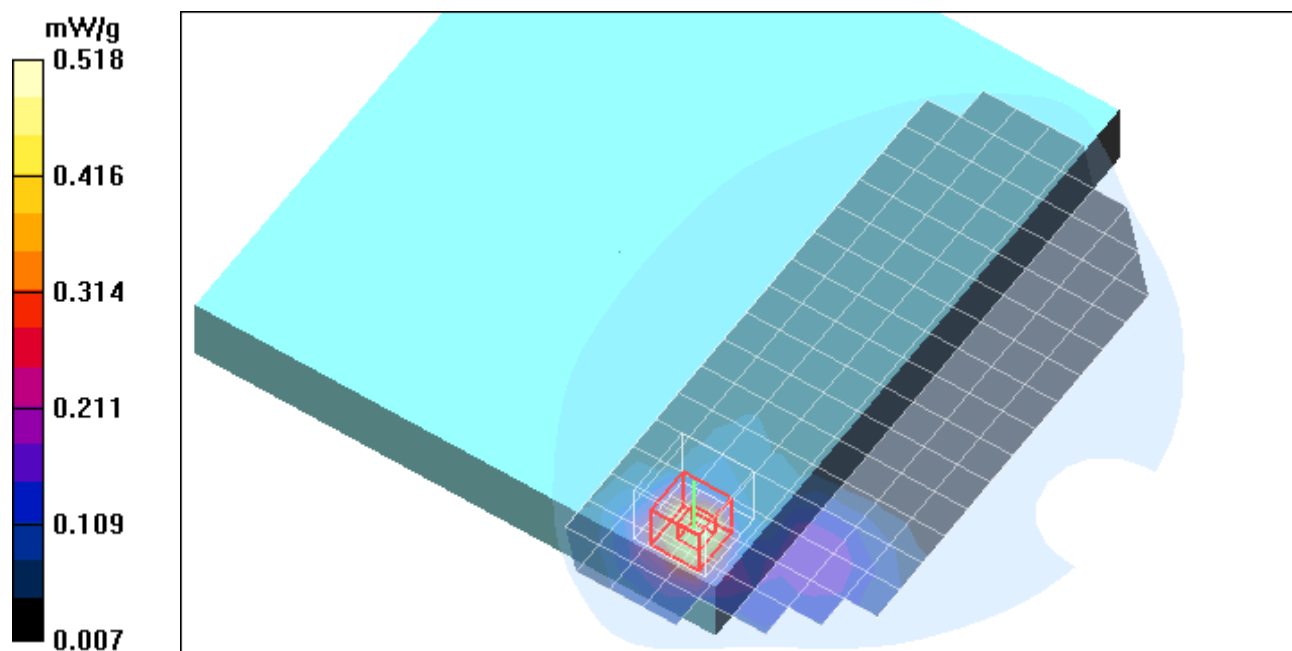
Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 0.464 mW/g

SAM Phone Against Flat Section/5x5x7 Zoom Scan (<=3GHz) (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = 0.082 dB; Peak SAR (extrapolated) = 0.741 W/kg

SAR(1 g) = 0.474 mW/g; SAR(10 g) = 0.271 mW/g; Maximum value of SAR (measured) = 0.518 mW/g



Date/Time: 9/14/2011 6:56:32 PM

Test Laboratory: Motorola - Wi-Fi 2450 with Lapdock

Serial: LS4V230096; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: N/A; Antenna Position: Internal; Battery Model #: Internal

Device Position: Body-Adjacent with Lapdock, Bottom Surface 0 mm from Phantom

Device Mode: 802.11b mode, 1 Mbps data rate

Communication System: Wi-Fi 2450; Frequency: 2462 MHz; Channel Number: 11; Duty Cycle: 1:1

Medium: 2450 Glycol Body

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.93$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3115; ConvF(4.12, 4.12, 4.12); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R#-6 Glycol SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1131;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SAM Phone Against Flat Section/Tablet Long Edge Area Scan - Body (15mm) (21x9x1):

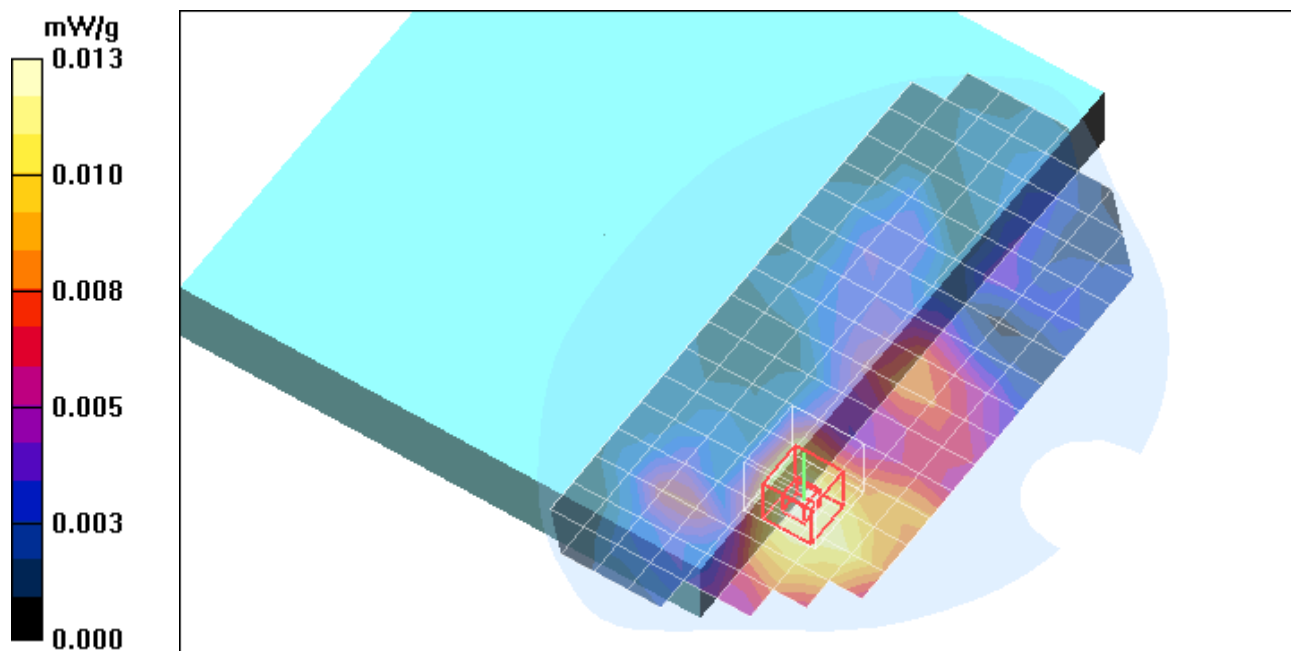
Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 0.013 mW/g

SAM Phone Against Flat Section/5x5x7 Zoom Scan (<=3GHz) (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.51 V/m; Power Drift = -0.133 dB; Peak SAR (extrapolated) = 0.025 W/kg

SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00715 mW/g



Appendix 5

SAR distribution plots for Mobile Hotspot Test Results

Date/Time: 8/28/2011 2:40:40 PM

Test Laboratory: Motorola - LTE Band 13 Mobile Hotspot

Serial: LS4V230052; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: N/A; Antenna Position: Internal; Battery Model #: Internal

Device Position: Mobile Hotspot (Body-Adjacent) position, Back of Phone 10 mm from Phantom

Device Mode: 16QAM, 1 RB @ Low Channel Edge

Communication System: LTE Band 13; Frequency: 782 MHz; Channel Number: 23230; Duty Cycle: 1:1

Medium: Low Freq Body

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.1, 6.1, 6.1); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/20/2010
- Phantom: R#2_ Section 2, Amy Twin, Rev3 (3-Feb-10); Type: Amy Twin Flat; Serial: n/a;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Amy Twin Phone Template/Area Scan - Normal Extended Body (15mm) (16x7x1):

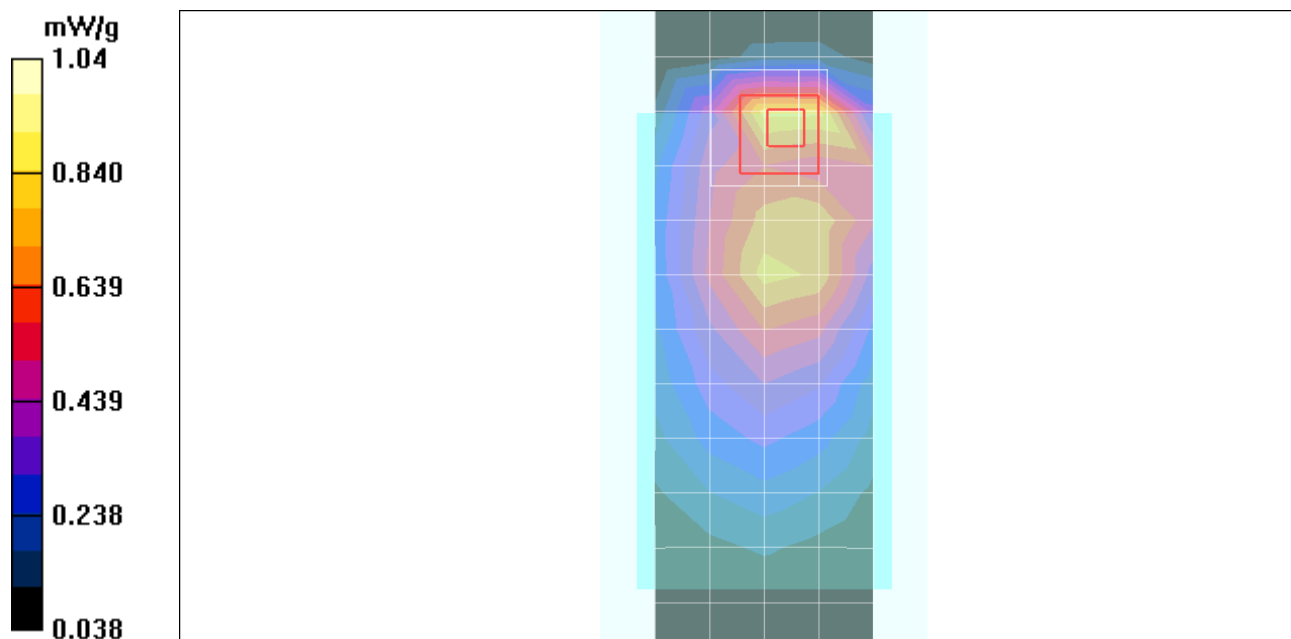
Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$; Maximum value of SAR (measured) = 0.804 mW/g

Amy Twin Phone Template/5x5x7 Zoom Scan ($\leq 3\text{GHz}$) (5x5x7)/Cube 0:

Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.9 V/m; Power Drift = 0.283 dB; Peak SAR (extrapolated) = 1.65 W/kg;

SAR(1 g) = 0.906 mW/g; SAR(10 g) = 0.497 mW/g; Maximum value of SAR (measured) = 1.04 mW/g



Date/Time: 9/10/2011 10:37:58 AM

Test Laboratory: Motorola - LTE Band 13 Mobile Hotspot

Serial: LS4V230079; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: N/A; Antenna Position: Internal; Battery Model #: Internal

Device Position: Mobile Hotspot (Body-Adjacent) position, Back of Phone 10 mm from Phantom

Device Mode: 16QAM, 1 RB @ Low Channel Edge

Power Limit Reduction Enabled

Communication System: LTE Band 13; Frequency: 782 MHz; Channel Number: 23230; Duty Cycle: 1:1

Medium: Low Freq Body

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.1, 6.1, 6.1); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/20/2010
- Phantom: R#2_ Section 2, Amy Twin, Rev3 (3-Feb-10); Type: Amy Twin Flat; Serial: n/a;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Amy Twin Phone Template/Area Scan - Normal Extended Body (15mm) (16x7x1):

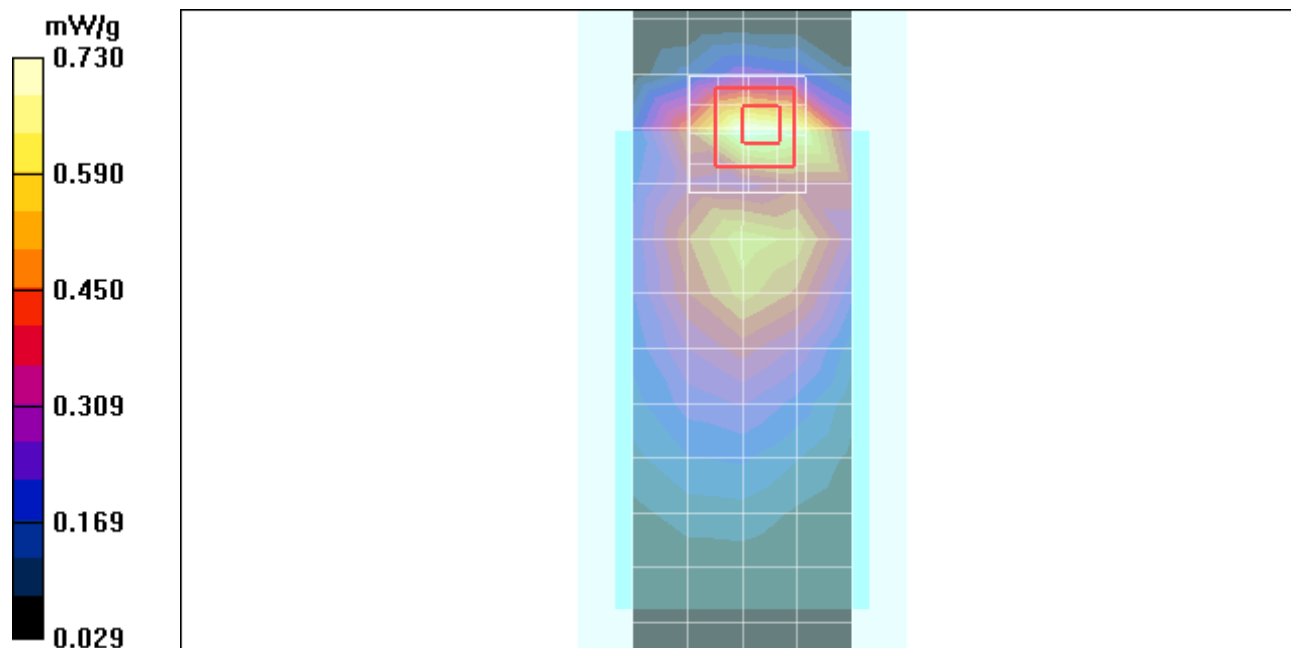
Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$; Maximum value of SAR (measured) = 0.741 mW/g

Amy Twin Phone Template/5x5x7 Zoom Scan ($\leq 3\text{GHz}$) (5x5x7)/Cube 0:

Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 28.0 V/m; Power Drift = -0.071 dB; Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.673 mW/g; SAR(10 g) = 0.367 mW/g; Maximum value of SAR (measured) = 0.730 mW/g



Date/Time: 8/13/2011 7:30:41 AM

Test Laboratory: Motorola - CDMA 800 Mobile Hotspot

Serial: LS4V230044; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: All Up Bits; Antenna Position: Internal; Battery Model #: Internal

Device Position: Mobile Hotspot (Body-Adjacent) position, Front of Phone 10 mm from Phantom

Communication System: CDMA 835; Frequency: 824.7 MHz; Channel Number: 1013; Duty Cycle: 1:1

Medium: Low Freq Body

Medium parameters used: $f = 835$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.1, 6.1, 6.1); Calibrated: 3/11/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 9/20/2010
- Phantom: R#2_ Section 2, Amy Twin, Rev3 (3-Feb-10); Type: Amy Twin Flat; Serial: n/a;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Amy Twin Phone Template/Area Scan - Normal Extended Body (15mm) (16x7x1):

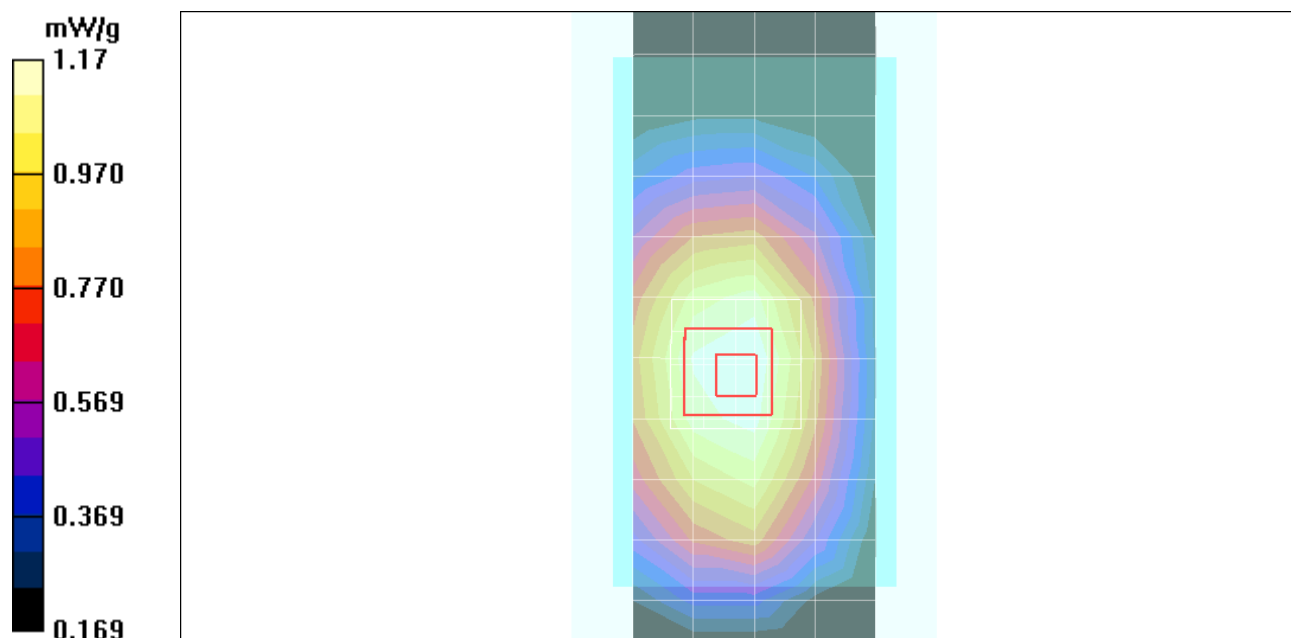
Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 1.18 mW/g

Amy Twin Phone Template/5x5x7 Zoom Scan (<=3GHz) (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.6 V/m; Power Drift = -0.169 dB; Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.859 mW/g; Maximum value of SAR (measured) = 1.17 mW/g



Date/Time: 9/10/2011 12:41:12 AM

Test Laboratory: Motorola - CDMA 1900 Mobile Hotspot

Serial: LS4V230044; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: All Up Bits; Antenna Position: Internal; Battery Model #: Internal

Device Position: Mobile Hotspot (Body-Adjacent) position, Bottom Edge of Phone 10 mm from Phantom

Communication System: CDMA 1900; Frequency: 1908.75 MHz; Channel Number: 1175; Duty Cycle: 1:1

Medium: Regular Glycol Body 1750/1880

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3115; ConvF(4.61, 4.61, 4.61); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R#_6 - Triple Flat Phantom 5.1; Type: Triple Flat Phantom 5.1; Serial: N/A;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Triple Flat Phone Template/Area Scan - Full Body (15mm) (19x11x1):

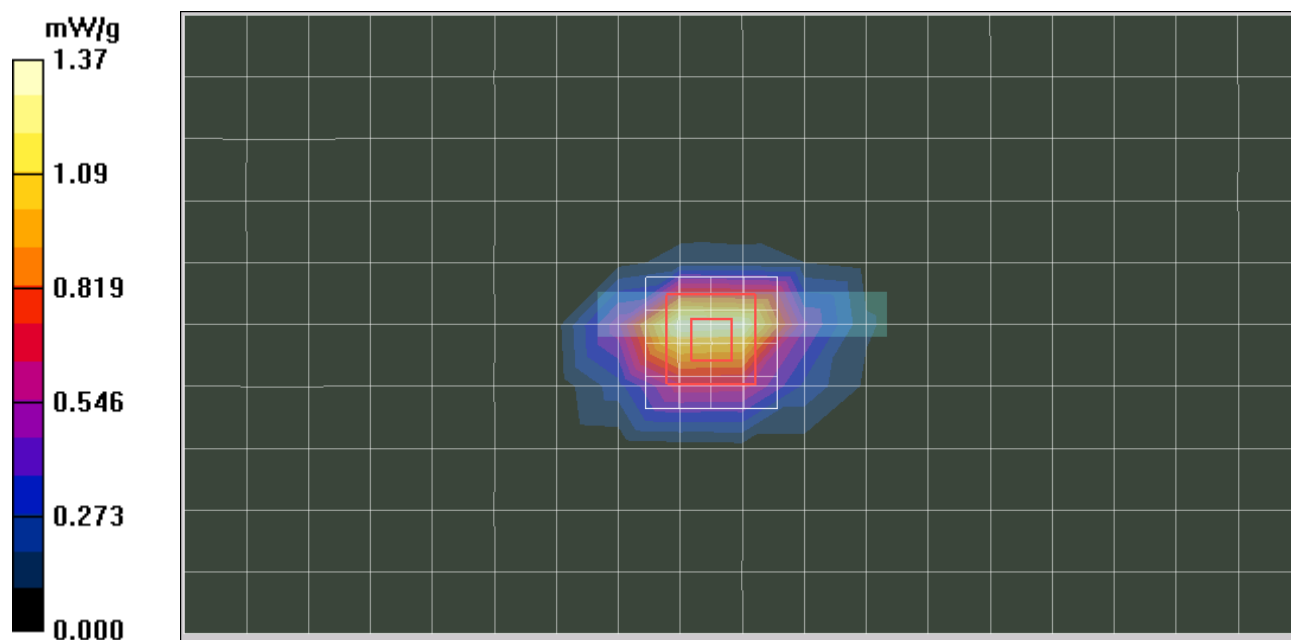
Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 1.37 mW/g

Triple Flat Phone Template/5x5x7 Zoom Scan (<=3GHz) (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.7 V/m; Power Drift = -0.080 dB; Peak SAR (extrapolated) = 2.56 W/kg

SAR(1 g) = 1.48 mW/g; SAR(10 g) = 0.741 mW/g; Maximum value of SAR (measured) = 1.69 mW/g



Date/Time: 8/17/2011 6:48:20 PM

Test Laboratory: Motorola - Wi-Fi 2450 Mobile Hotspot

Serial: LS4V230096; FCC ID: IHDP56ME1

Procedure Notes: Pwr Step: N/A; Antenna Position: Internal; Battery Model #: Internal

Device Position: Mobile Hotspot (Body-Adjacent) position, Right Edge of Phone 10 mm from Phantom

Device Mode: 802.11b mode, 1 Mbps data rate

Communication System: Wi-Fi 2450; Frequency: 2412 MHz; Channel Number: 1; Duty Cycle: 1:1

Medium: 2450 Glycol Body

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³

DASY4 Configuration:

- Probe: ES3DV3 - SN3115; ConvF(4.12, 4.12, 4.12); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R4 : Sect.1, Amy Twin, Rev.3 (3-Feb-10); Type: Amy Twin Flat; Serial: n/a;
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Amy Twin Phone Template/Area Scan - Normal Extended Body (15mm) (16x7x1):

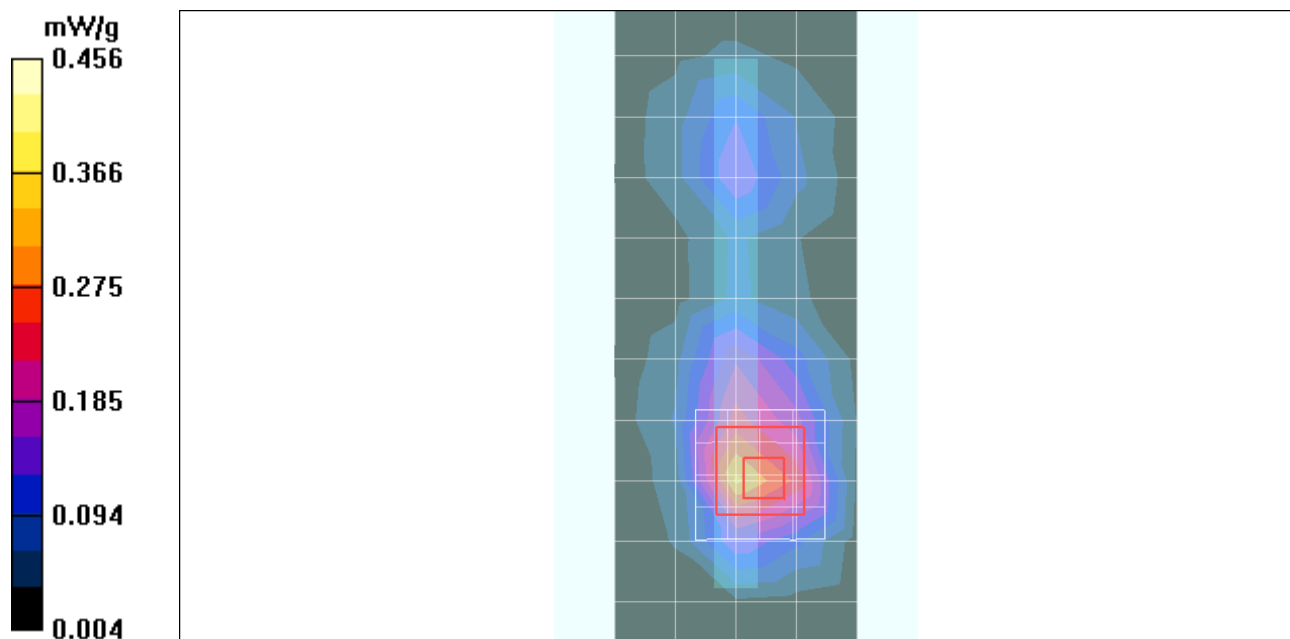
Measurement grid: dx=15mm, dy=15mm; Maximum value of SAR (measured) = 0.315 mW/g

Amy Twin Phone Template/5x5x7 Zoom Scan (<=3GHz) (5x5x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = 0.216 dB; Peak SAR (extrapolated) = 0.782 W/kg

SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.178 mW/g; Maximum value of SAR (measured) = 0.456 mW/g



Appendix 6

SAR distribution plots for Simultaneous Transmission

**Test Laboratory: Motorola - CDMA 1900 + LTE Band 13 + Wi-Fi 2450
Multiband Combined Average SAR - Right Cheek Expanded Volumetric Measurement**

Multi-Band Configurations:

DASY Configuration for Configuration/Right Head Template:

Date/Time: 9/14/2011 12:58:51 PM

Serial: LS4V230044; FCC ID: IHDP56ME1

Communication System: CDMA 1900; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium: Regular Glycol Head 1750/1880

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 38.1$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

- Probe: ES3DV3 - SN3115; ConvF(5.02, 5.02, 5.02); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R#-6 Glycol SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1131
- Measurement SW: DASY4, Version 4.7 (80)

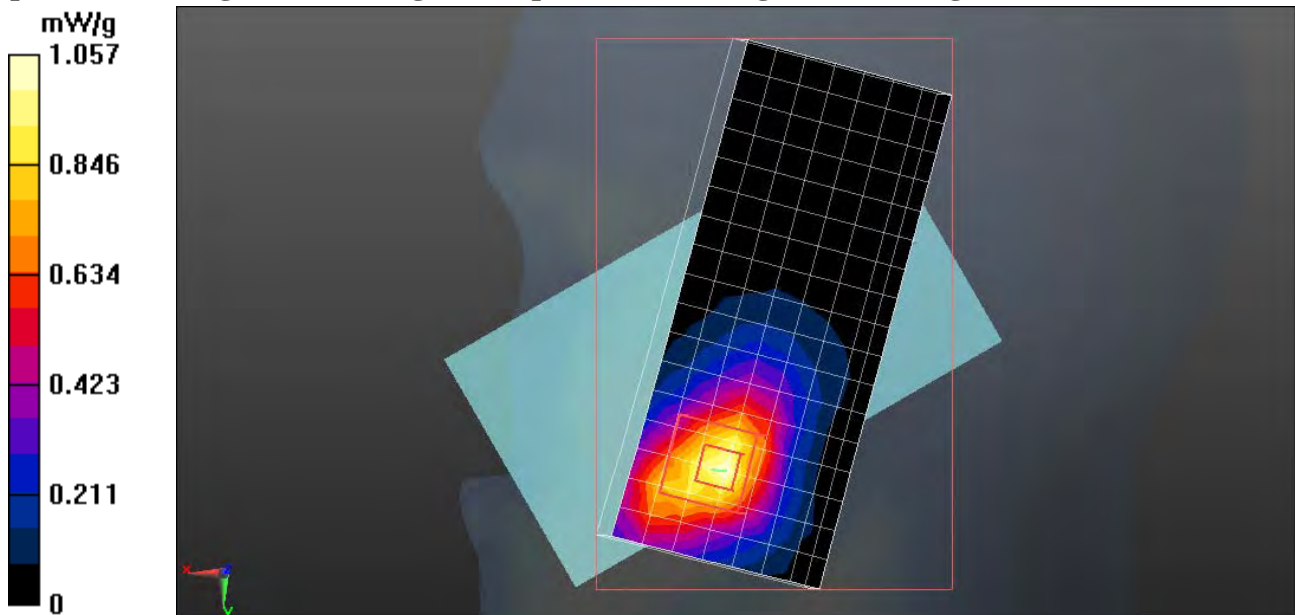
Right Head Template/MEGAZOOM Zoom Scan (<=3GHz) (18x8x7)/Cube 0:

Measurement grid: dx=8mm, dy=8mm, dz=5mm, Volume Outer Dimensions: x=136mm, y=56mm, z=30mm

Reference Value = 18.123 V/m; Power Drift = -0.20 dB; Peak SAR (extrapolated) = 1.503 W/kg

SAR(1 g) = 0.951 mW/g; SAR(10 g) = 0.550 mW/g; Maximum value of SAR (measured) = 1.057 mW/g

Extrapolated SAR(1 g) = 0.99 mW/g; Extrapolated SAR(10 g) = 0.58 mW/g



2D Plot showing z-axis @ 0 mm layer of measurement volume

DASY Configuration for Configuration/Right Head Template:

Date/Time: 9/14/2011 2:22:50 PM

Serial: LS4V230049; FCC ID: IHDP56ME1

Communication System: LTE Band 13; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: Low Freq Head

Medium parameters used: $f = 782$ MHz; $\sigma = 0.86$ mho/m; $\epsilon_r = 42.1$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

- Probe: ES3DV3 - SN3115; ConvF(5.87, 5.87, 5.87); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R#-6 SUGAR SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1131
- Measurement SW: DASY4, Version 4.7 (80)

Right Head Template/MEGAZOOM Zoom Scan (<=3GHz) (18x8x7)/Cube 0:

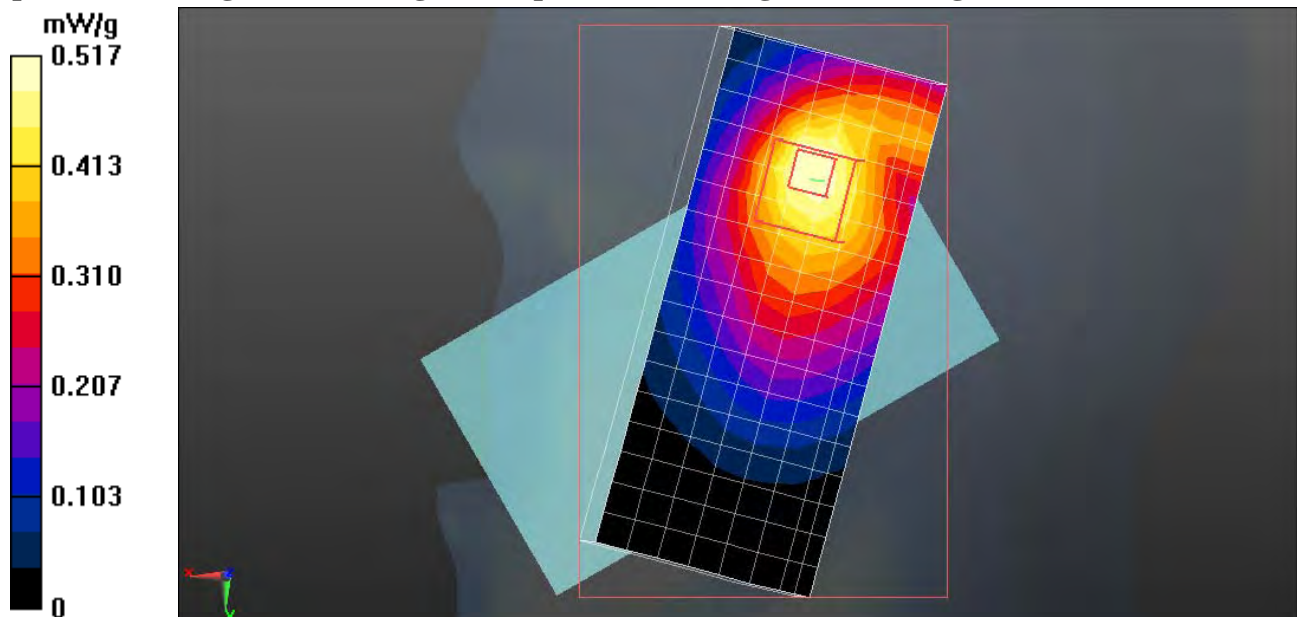
Measurement grid: dx=8mm, dy=8mm, dz=5mm; Volume Outer Dimensions: x=136mm, y=56mm, z=30mm

Reference Value = 23.128 V/m; Power Drift = -0.54 dB; Peak SAR (extrapolated) = 0.768 W/kg

SAR(1 g) = 0.489 mW/g; SAR(10 g) = 0.311 mW/g; Maximum value of SAR (measured) = 0.517 mW/g

Corrected SAR(1 g) = 0.503 mW/g; Corrected SAR(10 g) = 0.316 mW/g

Extrapolated SAR(1 g) = 0.57 mW/g; Extrapolated SAR(10 g) = 0.36 mW/g



2D Plot showing z-axis @ 0 mm layer of measurement volume

DASY Configuration for Configuration/Right Head Template:

Date/Time: 9/14/2011 3:40:25 PM

Serial: LS4V230096; FCC ID: IHDP56ME1

Communication System: Wi-Fi 2450; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: 2450 Glycol Head

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 37.3$; $\rho = 1000$ kg/m³

Measurement Standard: DASY4 (High Precision Assessment)

- Probe: ES3DV3 - SN3115; ConvF(4.39, 4.39, 4.39); Calibrated: 1/12/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn434; Calibrated: 1/13/2011
- Phantom: R#-6 Glycol SAM (extended range), Rev.1 (25-Mar-05); Type: SAM v4.0; Serial: TP-1131
- Measurement SW: DASY4, Version 4.7 (80)

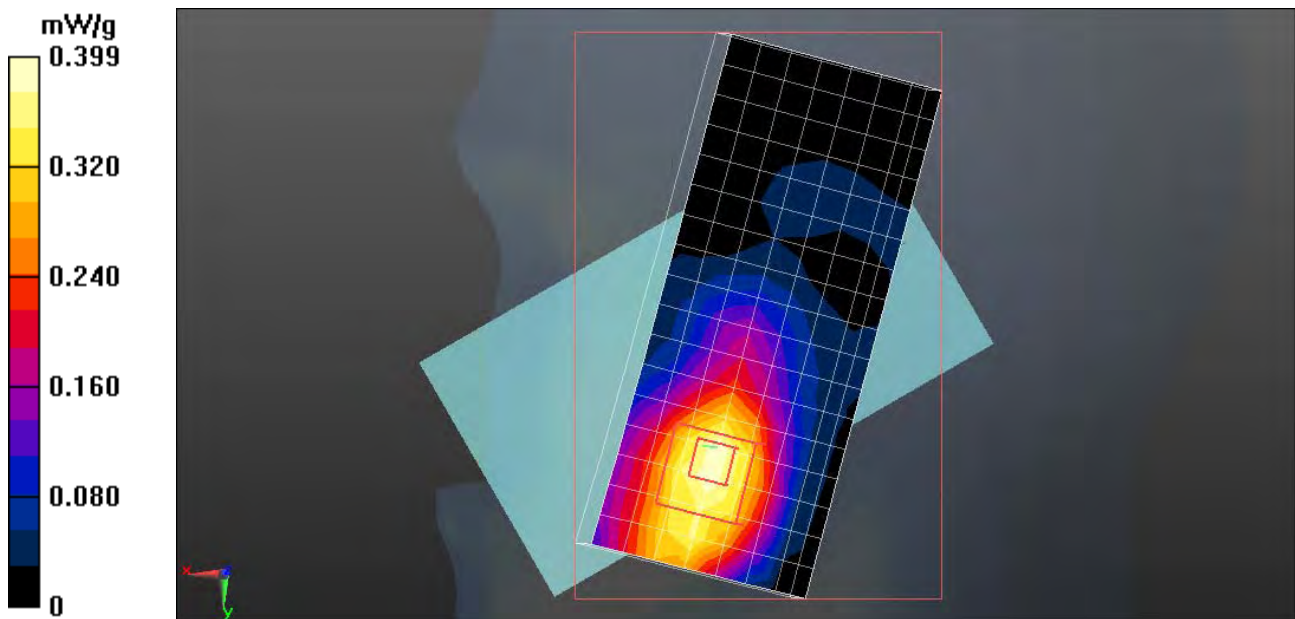
Right Head Template/MEGAZOOM Zoom Scan (≤ 3 GHz) (18x8x7)/Cube 0:

Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm; Volume Outer Dimensions: $x=136$ mm, $y=56$ mm, $z=30$ mm

Reference Value = 11.419 V/m; Power Drift = -0.16 dB; Peak SAR (extrapolated) = 0.680 W/kg

SAR(1 g) = 0.376 mW/g; SAR(10 g) = 0.208 mW/g; Maximum value of SAR (measured) = 0.399 mW/g

Extrapolated SAR(1 g) = 0.39 mW/g; Extrapolated SAR(10 g) = 0.22 mW/g



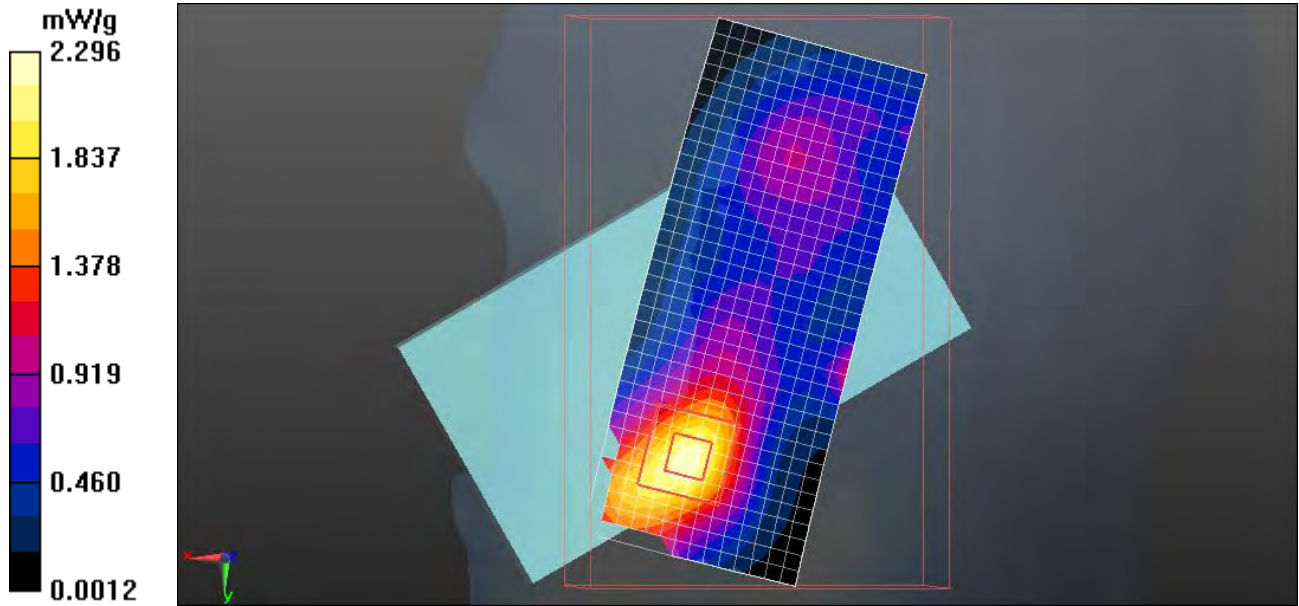
2D Plot showing z-axis @ 0 mm layer of measurement volume

Multi Band Result:

Serial: LS4V230096; FCC ID: IHDP56ME1

Extrapolated SAR(1 g) = 1.42 mW/g; Extrapolated SAR(10 g) = 0.820 mW/g

Maximum value of SAR (interpolated) = 2.298 mW/g



2D Plot showing z-axis @ 0 mm layer of measurement volume

Appendix 7

Measurement Uncertainty Budget

Uncertainty Budget for Device Under Test, for 735 MHz to 2 GHz

<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e = f(d,k)</i>	<i>f</i>	<i>g</i>	<i>h = c x f / e</i>	<i>i = c x g / e</i>	<i>k</i>
Uncertainty Component	Description IEEE1528(2003) / IEC62209-1(2005)	Tol. (± %)	Prob Dist	Div.	<i>c_i</i> (1 g)	<i>c_i</i> (10 g)	1 g <i>u_i</i> (±%)	10 g <i>u_i</i> (±%)	<i>v_i</i>
Measurement System									
Probe Calibration [ES3DV3]	E.2.1 / 7.2.1	5.5	N	1.00	1	1	5.5	5.5	∞
Axial Isotropy	E.2.2 / 7.2.1.2	4.7	R	1.73	0.707	0.707	1.9	1.9	∞
Hemispherical Isotropy	E.2.2 / 7.2.1.2	9.6	R	1.73	0.707	0.707	3.9	3.9	∞
Boundary Effect	E.2.3 / 7.2.1.5	1.0	R	1.73	1	1	0.6	0.6	∞
Linearity	E.2.4 / 7.2.1.3	4.7	R	1.73	1	1	2.7	2.7	∞
System Detection Limits	E.2.5 / 7.2.1.4	1.0	R	1.73	1	1	0.6	0.6	∞
Readout Electronics	E.2.6 / 7.2.1.6	0.3	N	1.00	1	1	0.3	0.3	∞
Response Time	E.2.7 / 7.2.1.7	1.1	R	1.73	1	1	0.6	0.6	∞
Integration Time	E.2.8 / 7.2.1.8	1.1	R	1.73	1	1	0.6	0.6	∞
RF Ambient Conditions - Noise	E.6.1 / 7.2.3.6	3.0	R	1.73	1	1	1.7	1.7	∞
RF Ambient Conditions - Reflections	E.6.1 / 7.2.3.6	3.0	R	1.73	1	1	1.7	1.7	∞
Probe Positioner Mech. Tolerance	E.6.2 / 7.2.2.1	0.4	R	1.73	1	1	0.2	0.2	∞
Probe Positioning w.r.t Phantom	E.6.3 / 7.2.2.3	1.4	R	1.73	1	1	0.8	0.8	∞
Max. SAR Evaluation (ext., int., avg.)	E.5 / 7.2.4	3.4	R	1.73	1	1	2.0	2.0	∞
Test sample Related									
Test Sample Positioning	E.4.2 / 7.2.2.4	3.4	N	1.00	1	1	3.4	3.4	79
Device Holder Uncertainty	E.4.1 / 7.2.2.4.2	4.5	N	1.00	1	1	4.5	4.5	11
SAR drift	6.6.2 / 7.2.3.5	0.0	R	1.73	1	1	0.0	0.0	∞
Phantom and Tissue Parameters									
Phantom Uncertainty	E.3.1 / 7.2.2.2	4.0	R	1.73	1	1	2.3	2.3	∞
Liquid Conductivity (target)	E.3.2 / 7.2.3.3	5.0	R	1.73	0.64	0.43	1.8	1.2	∞
Liquid Conductivity (measurement)	E.3.3 / 7.2.3.3	2.5	N	1.00	0.64	0.43	1.6	1.1	6
Liquid Permittivity (target)	E.3.2 / 7.2.3.4	5.0	R	1.73	0.6	0.49	1.7	1.4	∞
Liquid Permittivity (measurement)	E.3.2 / 7.2.3.4	2.3	N	1.00	0.6	0.49	1.4	1.1	6
Combined Standard Uncertainty			RSS				11	11	338
Expanded Uncertainty (95% CONFIDENCE LEVEL)			<i>k</i> =2				22	21	

Uncertainty Budget for Device Under Test, for 2 GHz to 3 GHz

<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i> = <i>f</i> (<i>d</i> , <i>k</i>)	<i>f</i>	<i>g</i>	<i>h</i> = <i>c x f</i> / <i>e</i>	<i>i</i> = <i>c x g</i> / <i>e</i>	<i>k</i>
Uncertainty Component	Description IEEE1528(2003) / IEC62209-1(2005)	Tol. (± %)	Prob Dist	Div.	<i>c_i</i> (1 g)	<i>c_i</i> (10 g)	1 g <i>u_i</i> (±%)	10 g <i>u_i</i> (±%)	<i>v_i</i>
Measurement System									
Probe Calibration [ES3DV3]	E.2.1 / 7.2.1	5.5	N	1.00	1	1	5.5	5.5	∞
Axial Isotropy	E.2.2 / 7.2.1.2	4.7	R	1.73	0.707	0.707	1.9	1.9	∞
Hemispherical Isotropy	E.2.2 / 7.2.1.2	9.6	R	1.73	0.707	0.707	3.9	3.9	∞
Boundary Effect	E.2.3 / 7.2.1.5	1.0	R	1.73	1	1	0.6	0.6	∞
Linearity	E.2.4 / 7.2.1.3	4.7	R	1.73	1	1	2.7	2.7	∞
System Detection Limits	E.2.5 / 7.2.1.4	1.0	R	1.73	1	1	0.6	0.6	∞
Readout Electronics	E.2.6 / 7.2.1.6	0.3	N	1.00	1	1	0.3	0.3	∞
Response Time	E.2.7 / 7.2.1.7	1.1	R	1.73	1	1	0.6	0.6	∞
Integration Time	E.2.8 / 7.2.1.8	1.1	R	1.73	1	1	0.6	0.6	∞
RF Ambient Conditions - Noise	E.6.1 / 7.2.3.6	3.0	R	1.73	1	1	1.7	1.7	∞
RF Ambient Conditions - Reflections	E.6.1 / 7.2.3.6	3.0	R	1.73	1	1	1.7	1.7	∞
Probe Positioner Mech. Tolerance	E.6.2 / 7.2.2.1	0.4	R	1.73	1	1	0.2	0.2	∞
Probe Positioning w.r.t Phantom	E.6.3 / 7.2.2.3	1.4	R	1.73	1	1	0.8	0.8	∞
Max. SAR Evaluation (ext., int., avg.)	E.5 / 7.2.4	3.4	R	1.73	1	1	2.0	2.0	∞
Test sample Related									
Test Sample Positioning	E.4.2 / 7.2.2.4	3.4	N	1.00	1	1	3.4	3.4	79
Device Holder Uncertainty	E.4.1 / 7.2.2.4.2	4.5	N	1.00	1	1	4.5	4.5	11
SAR drift	6.6.2 / 7.2.3.5	0.0	R	1.73	1	1	0.0	0.0	∞
Phantom and Tissue Parameters									
Phantom Uncertainty	E.3.1 / 7.2.2.2	4.0	R	1.73	1	1	2.3	2.3	∞
Liquid Conductivity (target)	E.3.2 / 7.2.3.3	5.0	R	1.73	0.64	0.43	1.8	1.2	∞
Liquid Conductivity (measurement)	E.3.3 / 7.2.3.3	2.5	N	1.00	0.64	0.43	1.6	1.1	6
Liquid Permittivity (target)	E.3.2 / 7.2.3.4	10.0	R	1.73	0.6	0.49	3.5	2.8	∞
Liquid Permittivity (measurement)	E.3.2 / 7.2.3.4	2.3	N	1.00	0.6	0.49	1.4	1.1	6
Combined Standard Uncertainty			RSS				11	11	392
Expanded Uncertainty (95% CONFIDENCE LEVEL)			<i>k</i> =2				22	22	