# Appendix B1:

# SAR Distribution Plots (Head)

**Test Laboratory: Kyocera-Wireless Corp.**

# SCP-2700 #0449 CDMA-800 Ch777 Left Cheek

Communication System: CDMA-800, Frequency: 848.31 MHz, Duty Cycle: 1:1

Medium: HSL900,Medium parameters used (interpolated): f = 848.31 MHz; $\sigma$ = 0.908 mho/m; $\varepsilon_r$ = 42.1; $\rho$ = 1000 kg/m$^3$

Phantom: SAM 12,Phantom section: Left Section

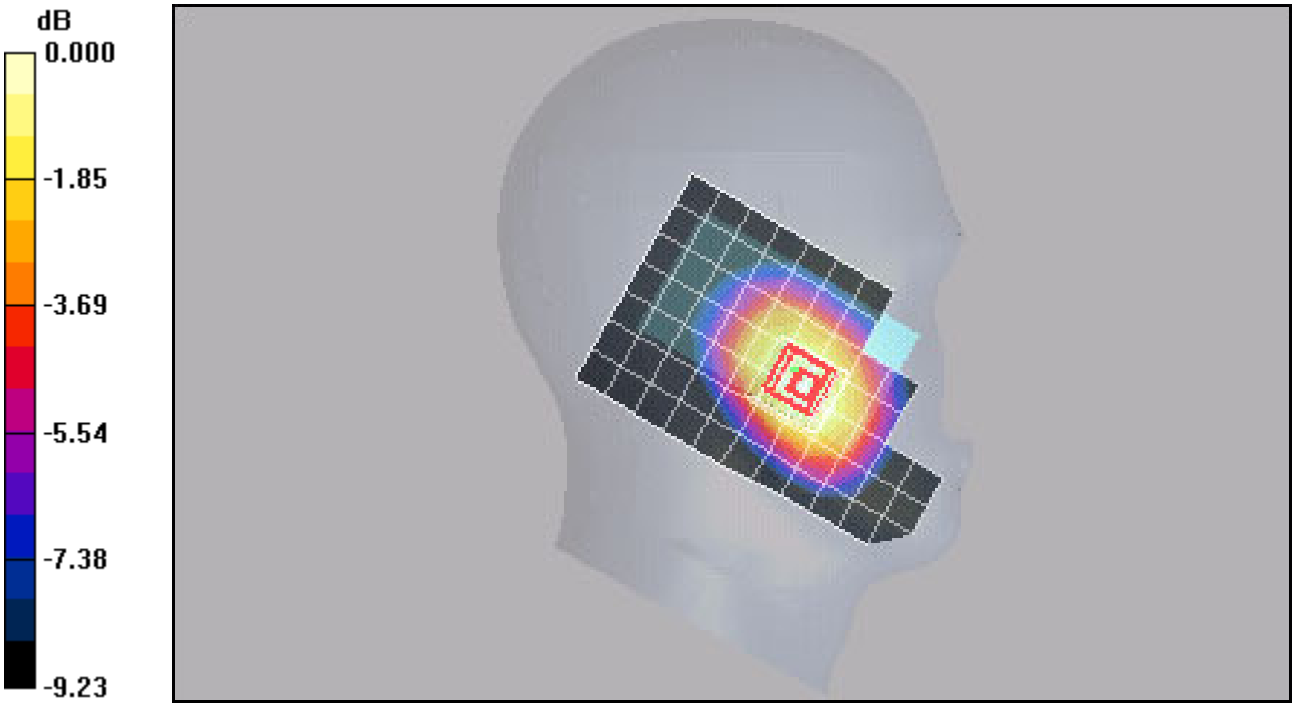
**DASY4 Configuration:**
Probe: ET3DV6 - SN1664, ConvF(6.47, 6.47, 6.47), Calibrated: 6/23/2008
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE4 Sn602,Calibrated: 6/25/2008
Measurement SW: DASY4, V4.7 Build 71
Postprocessing SW: SEMCAD, V1.8 Build 176

**Temperature:**
Room T = 21.8 +/– 1 deg C, Liquid T = 22.0 +/– 1 deg C

## CDMA-800 Ch777 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.3 V/m; Power Drift = -0.040 dB
Peak SAR (extrapolated) = 1.45 W/kg
**SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.904 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.28 mW/g




0 dB = 1.28mW/g

**Test Laboratory: Kyocera-Wireless Corp.**

# SCP-2700 #0449 CDMA-800 Ch383 Left Tilt

Communication System: CDMA-800, Frequency: 836.49 MHz, Duty Cycle: 1:1

Medium: HSL900,Medium parameters used (interpolated): f = 836.49 MHz; $\sigma$ = 0.908 mho/m; $\varepsilon_r$ = 42.1; $\rho$ = 1000 kg/m$^3$

Phantom: SAM 12,Phantom section: Left Section

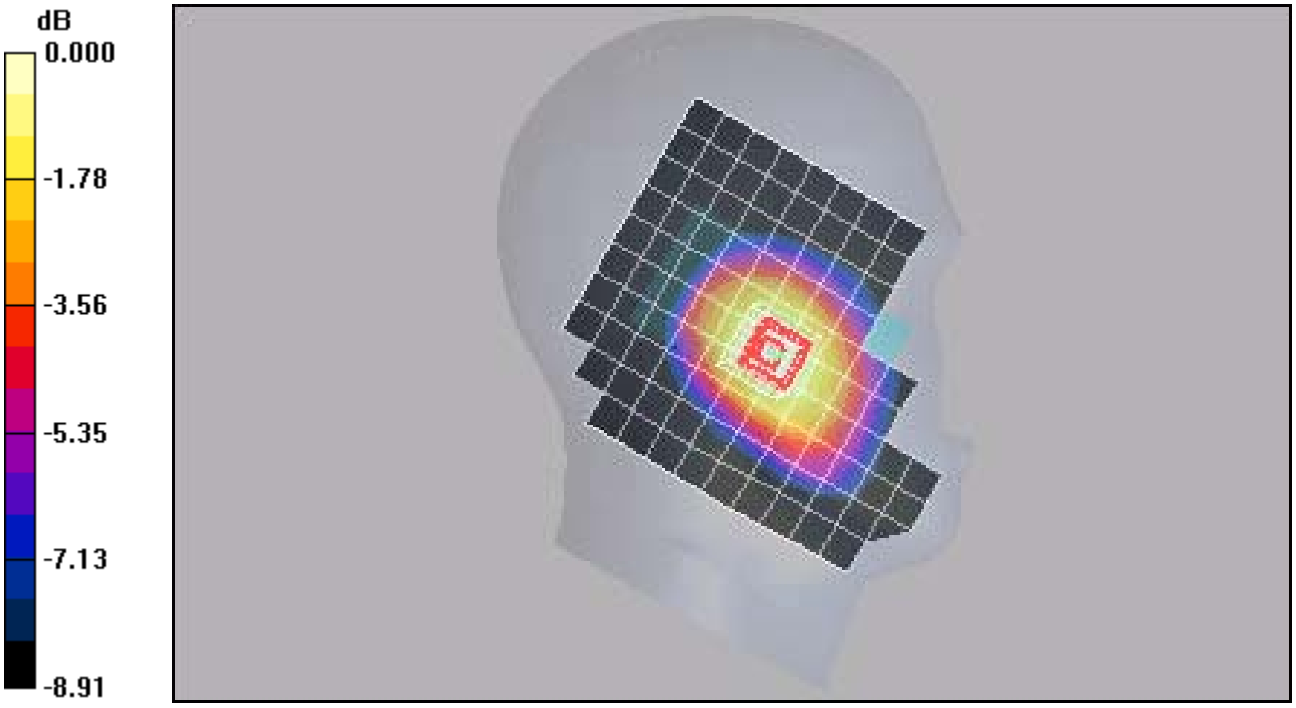
**DASY4 Configuration:**
Probe: ET3DV6 - SN1664, ConvF(6.47, 6.47, 6.47), Calibrated: 6/23/2008
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE4 Sn602,Calibrated: 6/25/2008
Measurement SW: DASY4, V4.7 Build 71
Postprocessing SW: SEMCAD, V1.8 Build 176

**Temperature:**
Room T = 21.8 +/– 1 deg C, Liquid T = 22.0 +/– 1 deg C

## CDMA-800 Ch383 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.7 V/m; Power Drift = -0.178 dB
Peak SAR (extrapolated) = 0.685 W/kg
**SAR(1 g) = 0.594 mW/g; SAR(10 g) = 0.456 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.624 mW/g




0 dB = 0.624mW/g

**Test Laboratory: Kyocera-Wireless Corp.**

# SCP-2700 #0449 CDMA-800 Ch777 Right Cheek

Communication System: CDMA-800, Frequency: 848.31 MHz, Duty Cycle: 1:1

Medium: HSL900,Medium parameters used (interpolated): f = 848.31 MHz; $\sigma$ = 0.908 mho/m; $\varepsilon_r$ = 42.1; $\rho$ = 1000 kg/m$^3$

Phantom: SAM 12,Phantom section: Right Section

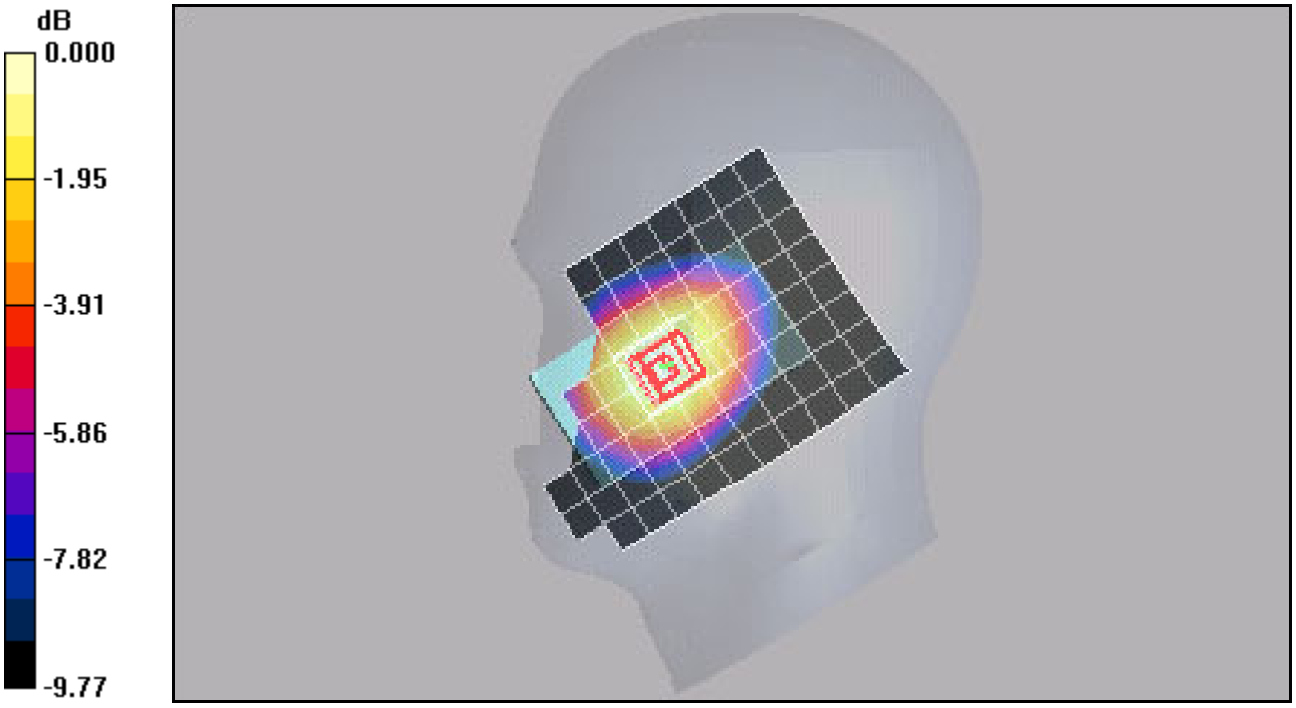
**DASY4 Configuration:**
Probe: ET3DV6 - SN1664, ConvF(6.47, 6.47, 6.47), Calibrated: 6/23/2008
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE4 Sn602,Calibrated: 6/25/2008
Measurement SW: DASY4, V4.7 Build 71
Postprocessing SW: SEMCAD, V1.8 Build 176

**Temperature:**
Room T = 21.8 +/– 1 deg C, Liquid T = 22.0 +/– 1 deg C

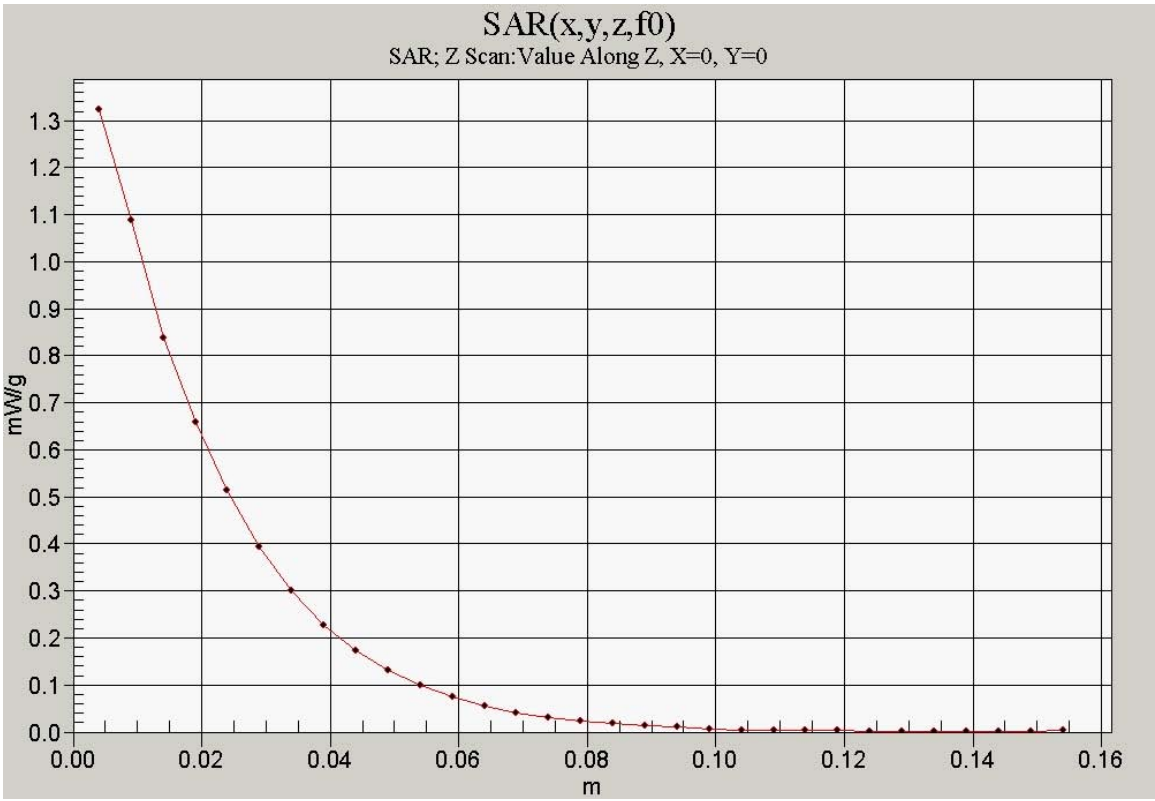
## CDMA-800 Ch777 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.4 V/m; Power Drift = 0.081 dB
Peak SAR (extrapolated) = 1.47 W/kg
**SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.940 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.32 mW/g




0 dB = 1.32mW/g


SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
m

**Test Laboratory: Kyocera-Wireless Corp.**

# SCP-2700 #0449 CDMA-800 Ch383 Right Tilt

Communication System: CDMA-800, Frequency: 836.49 MHz, Duty Cycle: 1:1

Medium: HSL900,Medium parameters used (interpolated): f = 836.49 MHz; $\sigma$ = 0.908 mho/m; $\varepsilon_r$ = 42.1; $\rho$ = 1000 kg/m$^3$

Phantom: SAM 12,Phantom section: Right Section

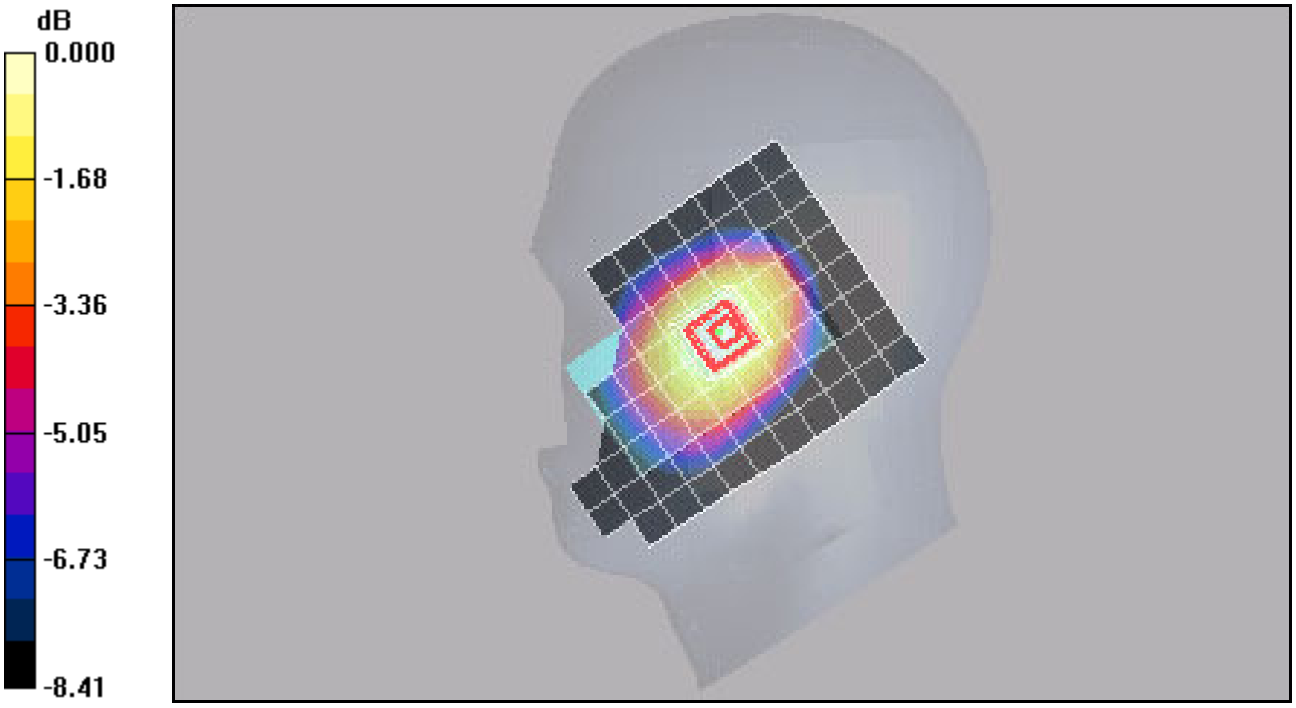
**DASY4 Configuration:**
Probe: ET3DV6 - SN1664, ConvF(6.47, 6.47, 6.47), Calibrated: 6/23/2008
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE4 Sn602,Calibrated: 6/25/2008
Measurement SW: DASY4, V4.7 Build 71
Postprocessing SW: SEMCAD, V1.8 Build 176

**Temperature:**
Room T = 21.8 +/– 1 deg C, Liquid T = 22.0 +/– 1 deg C

## CDMA-800 Ch383 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.0 V/m; Power Drift = 0.142 dB
Peak SAR (extrapolated) = 0.729 W/kg
**SAR(1 g) = 0.627 mW/g; SAR(10 g) = 0.485 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.661 mW/g




0 dB = 0.661mW/g

**Test Laboratory: Kyocera-Wireless Corp.**

# SCP-2700 #0449 CDMA-1900 Ch1175 Left Cheek

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1

Medium: HSL1900,Medium parameters used (interpolated): f = 1908.75 MHz; $\sigma$ = 1.45 mho/m; $\varepsilon_r$ = 39.4; $\rho$ = 1000 kg/m$^3$

Phantom: SAM 12,Phantom section: Left Section

**DASY4 Configuration:**
Probe: ET3DV6 - SN1664, ConvF(5.08, 5.08, 5.08), Calibrated: 6/23/2008
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE4 Sn602,Calibrated: 6/25/2008
Measurement SW: DASY4, V4.7 Build 71
Postprocessing SW: SEMCAD, V1.8 Build 176

**Temperature:**
Room T = 21.8 +/– 1 deg C, Liquid T = 22.0 +/– 1 deg C

## CDMA-1900 Ch1175 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

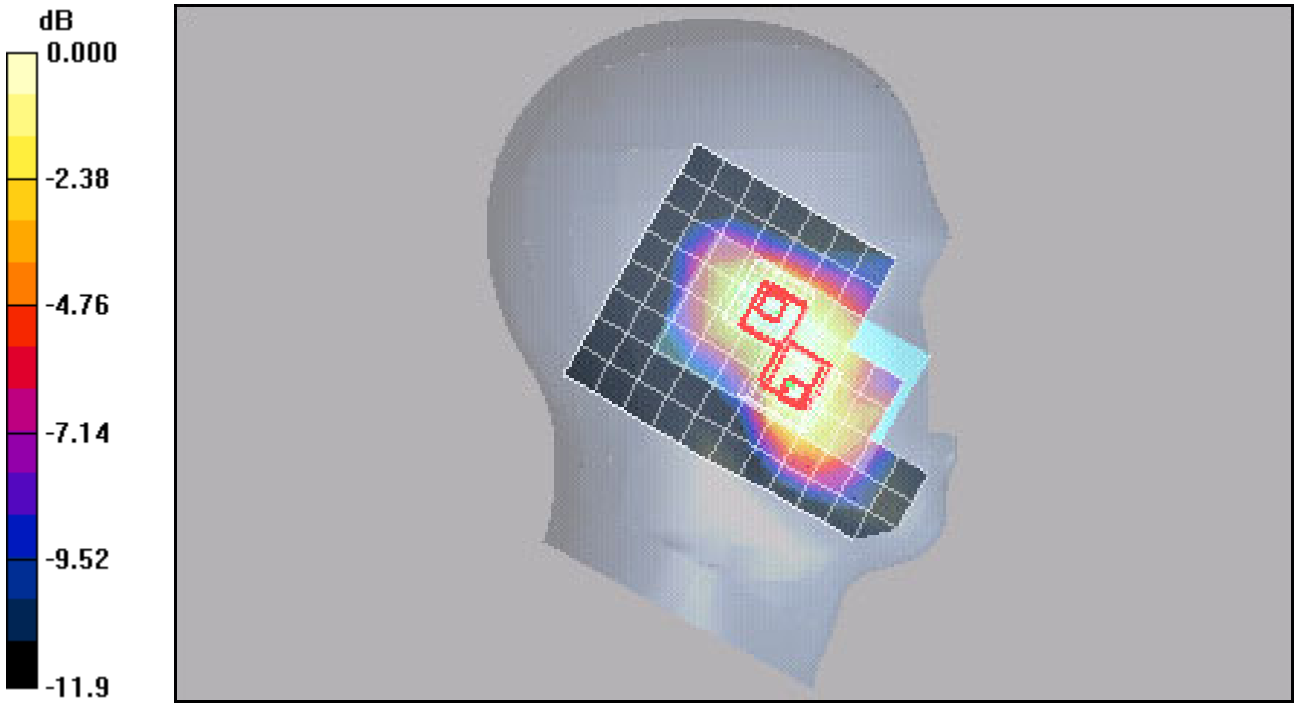
Reference Value = 12.7 V/m; Power Drift = -0.119 dB
Peak SAR (extrapolated) = 1.54 W/kg
**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.652 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

## CDMA-1900 Ch1175 LC/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.7 V/m; Power Drift = -0.119 dB
Peak SAR (extrapolated) = 1.39 W/kg
**SAR(1 g) = 0.923 mW/g; SAR(10 g) = 0.572 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.996 mW/g




0 dB = 0.996mW/g

**Test Laboratory: Kyocera-Wireless Corp.**

# SCP-2700 #0449 CDMA-1900 Ch600 Left Tilt

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1

Medium: HSL1900,Medium parameters used: f = 1880 MHz; $\sigma$ = 1.45 mho/m; $\varepsilon_r$ = 39.4; $\rho$ = 1000 kg/m$^3$

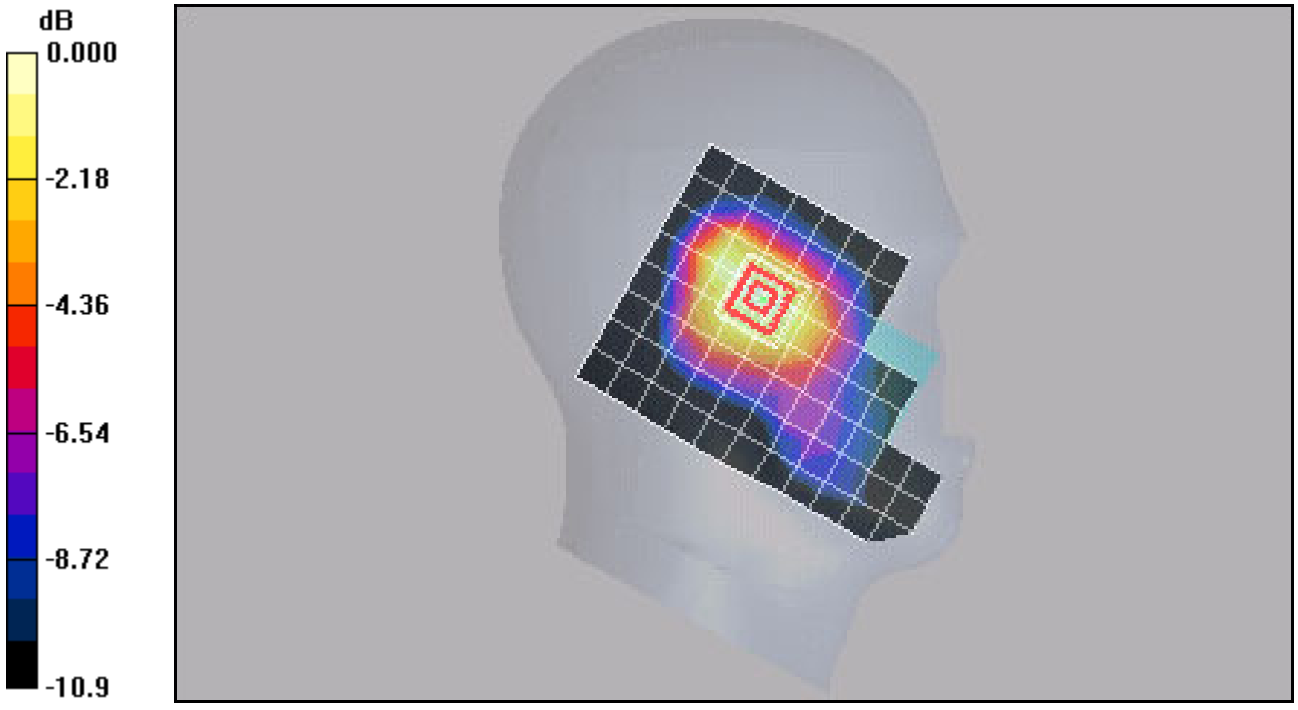
Phantom: SAM 12,Phantom section: Left Section

**DASY4 Configuration:**
Probe: ET3DV6 - SN1664, ConvF(5.08, 5.08, 5.08), Calibrated: 6/23/2008
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE4 Sn602,Calibrated: 6/25/2008
Measurement SW: DASY4, V4.7 Build 71
Postprocessing SW: SEMCAD, V1.8 Build 176

**Temperature:**
Room T = 21.8 +/– 1 deg C, Liquid T = 22.0 +/– 1 deg C

## CDMA-1900 Ch600 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.3 V/m; Power Drift = -0.007 dB
Peak SAR (extrapolated) = 0.652 W/kg
**SAR(1 g) = 0.428 mW/g; SAR(10 g) = 0.273 mW/g**
Maximum value of SAR (measured) = 0.464 mW/g




0 dB = 0.464mW/g

**Test Laboratory: Kyocera-Wireless Corp.**

# SCP-2700 #0449 CDMA-1900 Ch1175 Right Cheek

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1

Medium: HSL1900,Medium parameters used (interpolated): f = 1908.75 MHz; $\sigma$ = 1.45 mho/m; $\varepsilon_r$ = 39.4; $\rho$ = 1000 kg/m$^3$

Phantom: SAM 12,Phantom section: Right Section

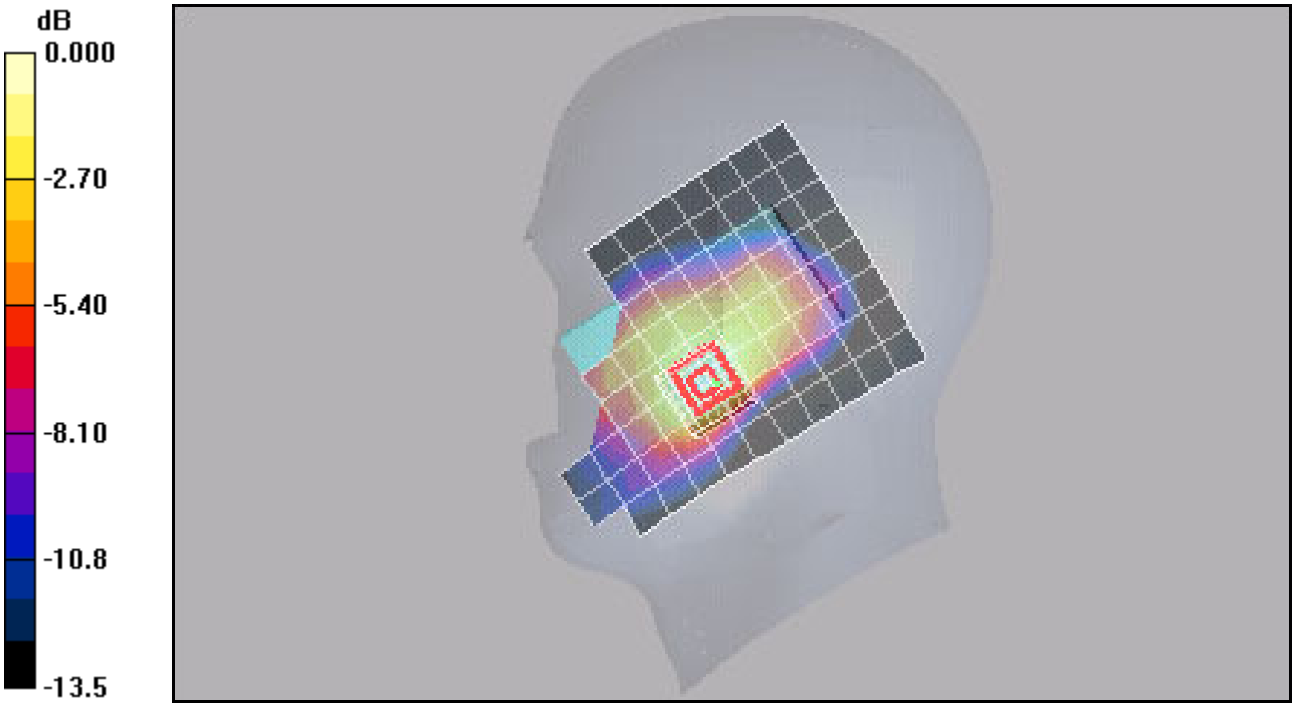
**DASY4 Configuration:**
Probe: ET3DV6 - SN1664, ConvF(5.08, 5.08, 5.08), Calibrated: 6/23/2008
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE4 Sn602,Calibrated: 6/25/2008
Measurement SW: DASY4, V4.7 Build 71
Postprocessing SW: SEMCAD, V1.8 Build 176

**Temperature:**
Room T = 21.8 +/– 1 deg C, Liquid T = 22.0 +/– 1 deg C

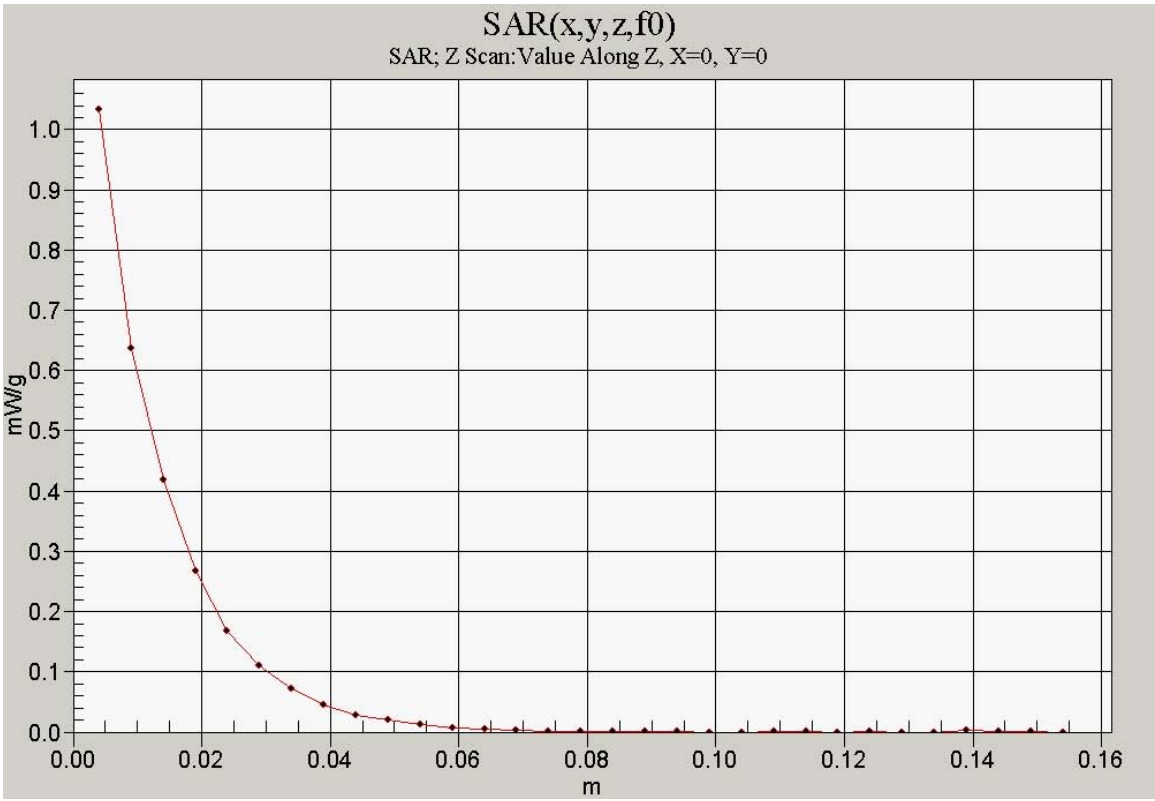
## CDMA-1900 Ch1175 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.6 V/m; Power Drift = -0.083 dB
Peak SAR (extrapolated) = 1.72 W/kg
**SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.729 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.26 mW/g




0 dB = 1.26mW/g


SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
m

**Test Laboratory: Kyocera-Wireless Corp.**

# SCP-2700 #0449 CDMA-1900 Ch600 Right Tilt

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1

Medium: HSL1900,Medium parameters used: f = 1880 MHz; $\sigma$ = 1.45 mho/m; $\varepsilon_r$ = 39.4; $\rho$ = 1000 kg/m$^3$

Phantom: SAM 12,Phantom section: Right Section

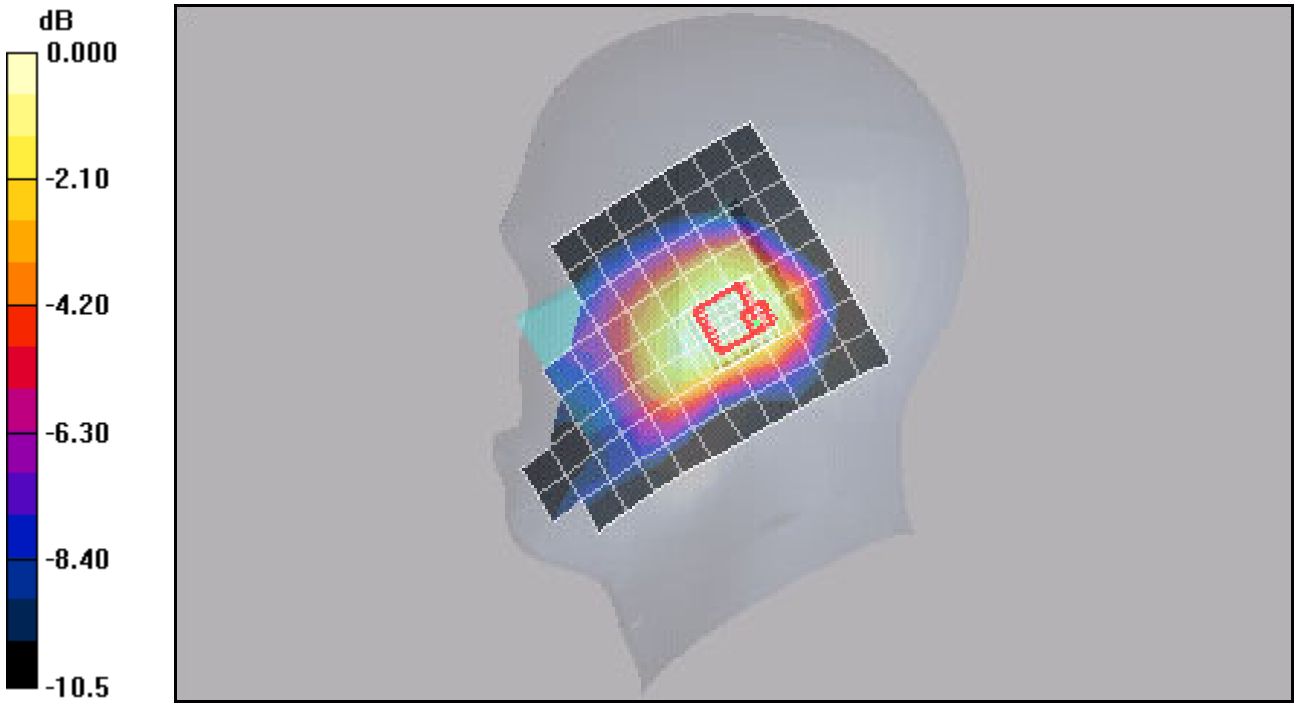
**DASY4 Configuration:**
Probe: ET3DV6 - SN1664, ConvF(5.08, 5.08, 5.08), Calibrated: 6/23/2008
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE4 Sn602,Calibrated: 6/25/2008
Measurement SW: DASY4, V4.7 Build 71
Postprocessing SW: SEMCAD, V1.8 Build 176

**Temperature:**
Room T = 21.8 +/– 1 deg C, Liquid T = 22.0 +/– 1 deg C

## CDMA-1900 Ch600 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.5 V/m; Power Drift = 0.080 dB
Peak SAR (extrapolated) = 0.490 W/kg
**SAR(1 g) = 0.326 mW/g; SAR(10 g) = 0.218 mW/g**

Maximum value of SAR (measured) = 0.353 mW/g




0 dB = 0.353mW/g

**Test Laboratory: Kyocera-Wireless Corp.**

# SCP-2700 #0449 CDMA-2450 Ch 0 Right Cheek

Communication System: Bluetooth 2450Mhz, Frequency: 2402 MHz, Duty Cycle: 1:1

Medium: HSL2450,Medium parameters used (interpolated): f = 2402 MHz; $\sigma$ = 1.84 mho/m; $\varepsilon_r$ = 39.4; $\rho$ = 1000 kg/m$^3$

Phantom: SAM 12,Phantom section: Right Section

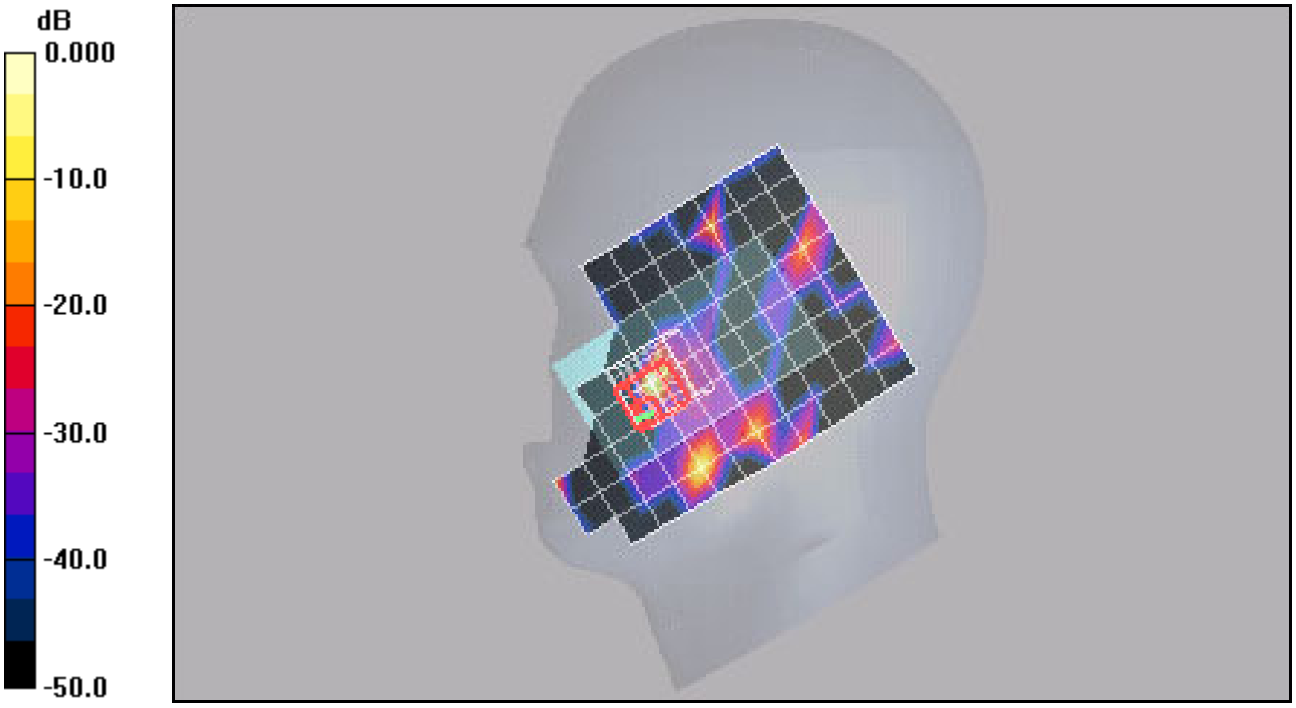
**DASY4 Configuration:**
Probe: ES3DV3 - SN3078, ConvF(4.46, 4.46, 4.46), Calibrated: 6/23/2008
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn602,Calibrated: 6/25/2008
Measurement SW: DASY4, V4.7 Build 71
Postprocessing SW: SEMCAD, V1.8 Build 176

**Temperature:**
Room T = 21.8 +/– 1 deg C, Liquid T = 22.0 +/– 1 deg C

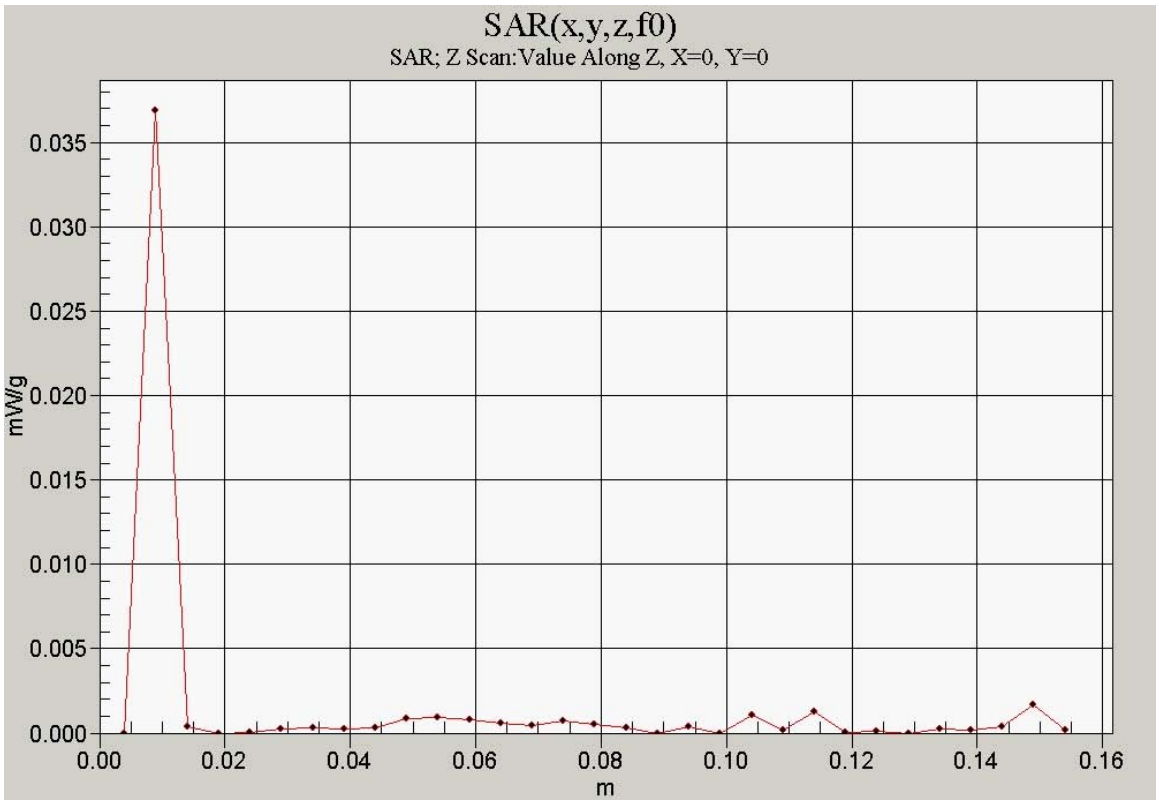
## CDMA-2450 CH 0 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.448 V/m; Power Drift = -0.153 dB
Peak SAR (extrapolated) = 0.824 W/kg
**SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.00423 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.397 mW/g




0 dB = 0.397mW/g


SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
m