Appendix B1:

SAR Distribution Plots (Head)

Test Laboratory: Kyocera-Wireless Corp.

K38-02 #3700 CDMA-800 Ch383 Left Cheek

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

Medium: HSL900,Medium parameters used (interpolated): f = 836.49 MHz; σ = 0.87 mho/m; ε_r = 40.2; ρ = 1000 kg/m^3

Phantom: SAM 12,Phantom section: Left Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(6.98, 6.98, 6.98), Calibrated: 9/19/2007
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn527,Calibrated: 9/14/2007
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

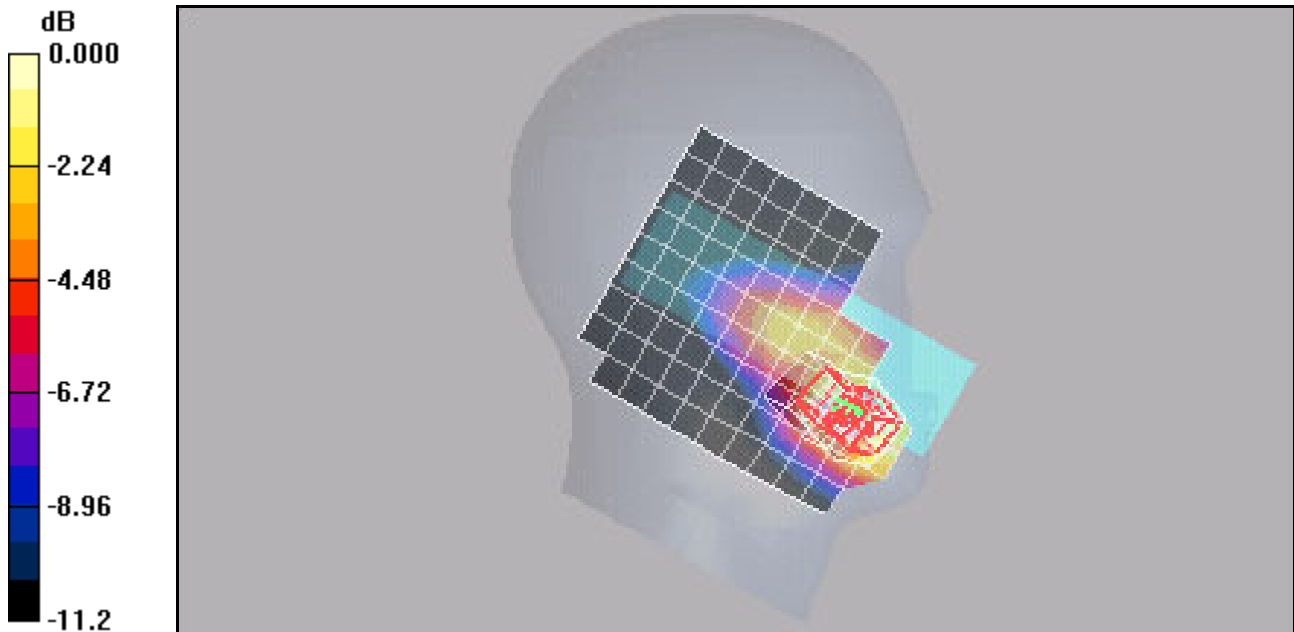## CDMA-800 Ch383 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.60 V/m; Power Drift = -0.137 dB
Peak SAR (extrapolated) = 0.923 W/kg
SAR(1 g) = 0.683 mW/g; SAR(10 g) = 0.476 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.729 mW/g

CDMA-800 Ch383 LC/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.60 V/m; Power Drift = -0.137 dB
Peak SAR (extrapolated) = 1.71 W/kg
SAR(1 g) = 0.588 mW/g; SAR(10 g) = 0.394 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.673 mW/g

0 dB = 0.673mW/g

Test Laboratory: Kyocera-Wireless Corp.

K38-02 #3700 CDMA-800 Ch383 Flat (Mouth and Jaw position)

Communication System: CDMA-800, Frequency: 836.49 MHz, Duty Cycle: 1:1
Medium: HSL900,Medium parameters used (interpolated): f = 836.49 MHz; σ = 0.88 mho/m; ε_r = 39.9; ρ = 1000 kg/m^3
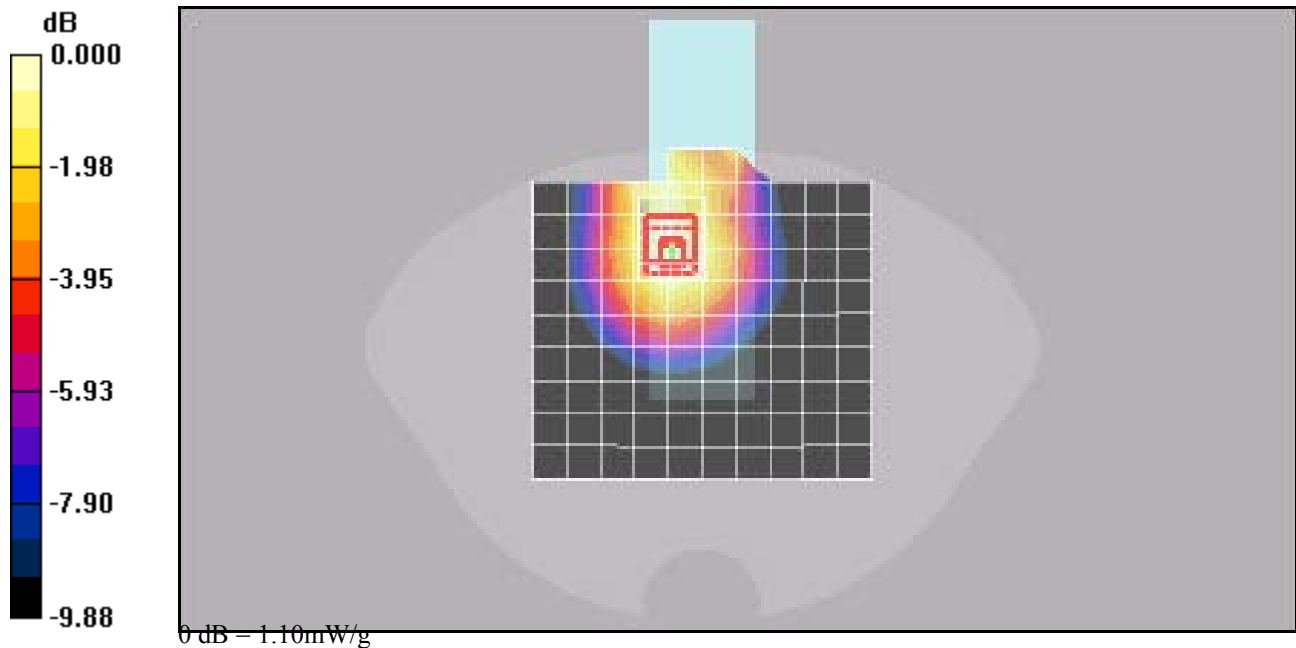Phantom: SAM 12,Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1713, ConvF(6.57, 6.57, 6.57), Calibrated: 4/22/2008
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-800 Ch383 Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.9 V/m; Power Drift = 0.129 dB
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.708 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.10 mW/g

0 dB = 1.10mW/g

Test Laboratory: Kyocera-Wireless Corp.

K38-02 #3700 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; σ = 0.87 mho/m; ε_r = 40.2; ρ = 1000 kg/m^3

Phantom: SAM 12,Phantom section: Left Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(6.98, 6.98, 6.98), Calibrated: 9/19/2007
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn527,Calibrated: 9/14/2007
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
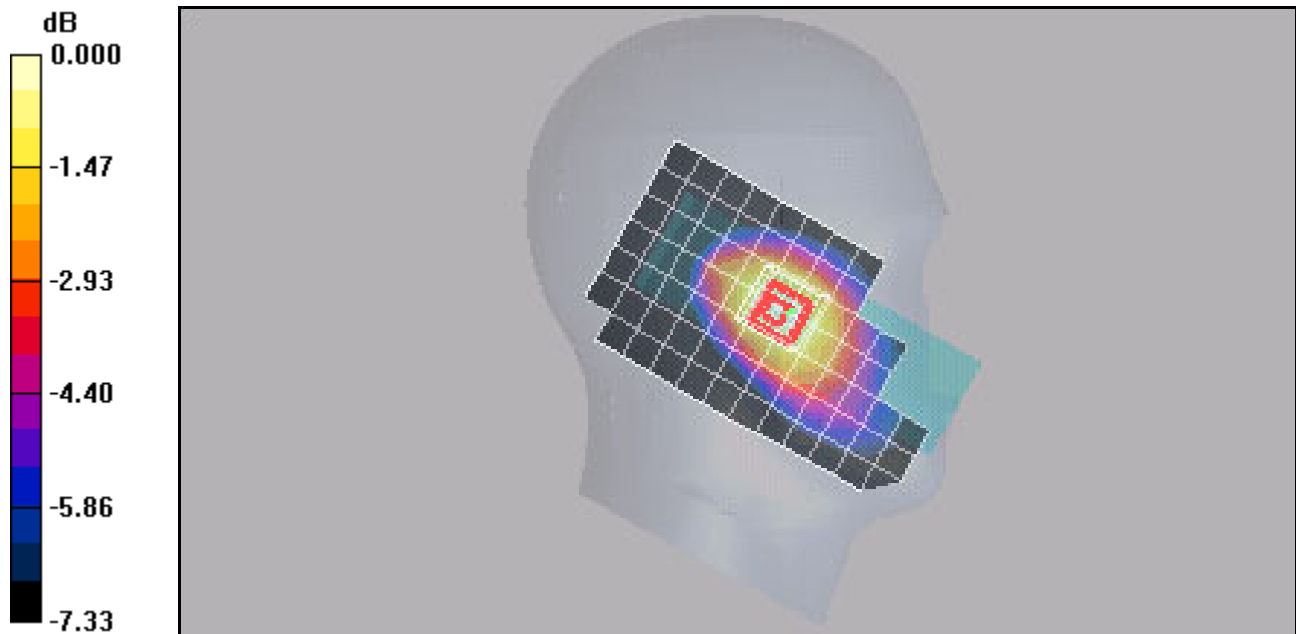
Reference Value = 13.4 V/m; Power Drift = -0.058 dB
Peak SAR (extrapolated) = 0.327 W/kg
SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.200 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.279 mW/g

0 dB = 0.279mW/g

Test Laboratory: Kyocera-Wireless Corp.

K38-02 #3700 CDMA-800 Ch383 Right Cheek

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

Medium: HSL900,Medium parameters used (interpolated): f = 836.49 MHz; σ = 0.872 mho/m; ε_r = 40.5; ρ = 1000 kg/m^3

Phantom: SAM 12,Phantom section: Right Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(6.98, 6.98, 6.98), Calibrated: 9/19/2007
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn527,Calibrated: 9/14/2007
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 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.19 V/m; Power Drift = -0.168 dB
Peak SAR (extrapolated) = 0.870 W/kg
SAR(1 g) = 0.650 mW/g; SAR(10 g) = 0.453 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.690 mW/g

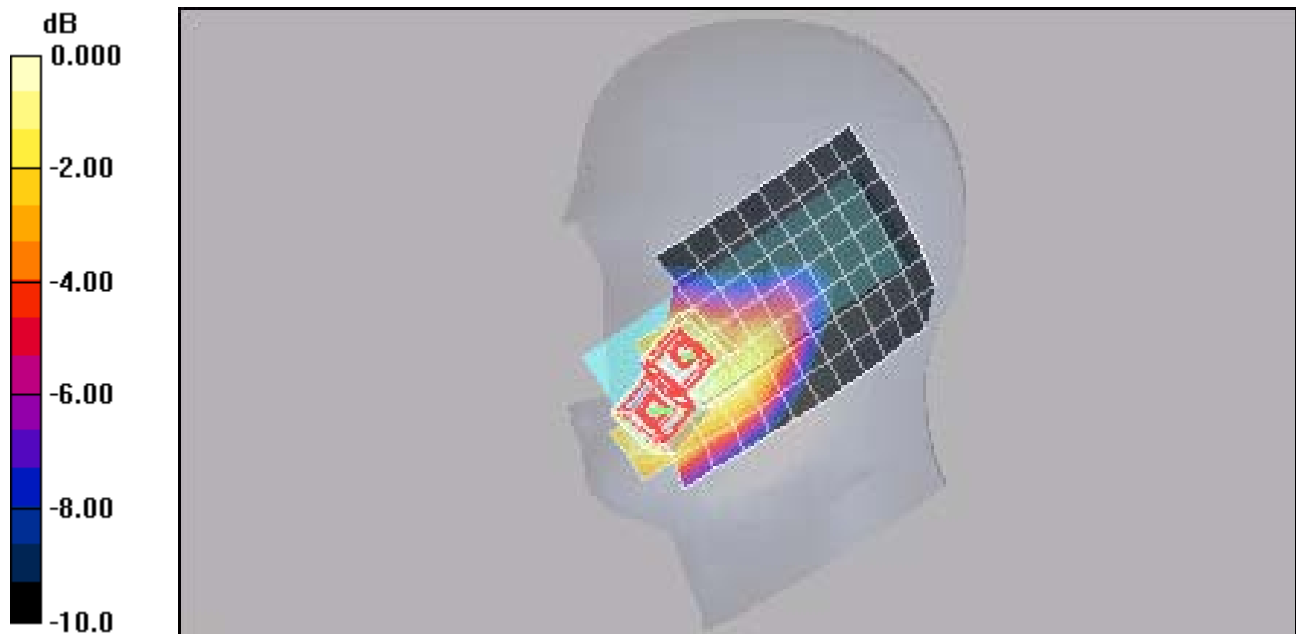## CDMA-800 Ch383 RC/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.19 V/m; Power Drift = -0.168 dB
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.540 mW/g; SAR(10 g) = 0.384 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.572 mW/g

0 dB = 0.572mW/g

Test Laboratory: Kyocera-Wireless Corp.

K38-02 #3700 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; σ = 0.872 mho/m; ε_r = 40.5; ρ = 1000 kg/m^3

Phantom: SAM 12,Phantom section: Right Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(6.98, 6.98, 6.98), Calibrated: 9/19/2007
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn527,Calibrated: 9/14/2007
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
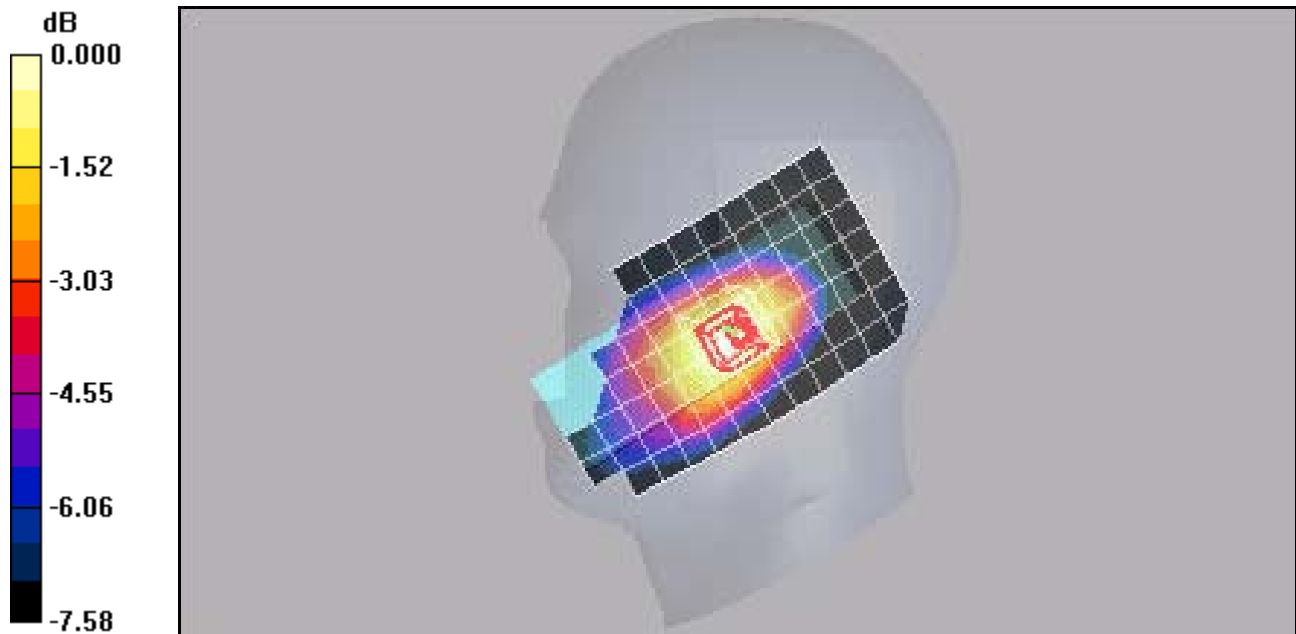Reference Value = 12.6 V/m; Power Drift = 0.109 dB
Peak SAR (extrapolated) = 0.325 W/kg
SAR(1 g) = 0.257 mW/g; SAR(10 g) = 0.194 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.272 mW/g

0 dB = 0.272mW/g

Test Laboratory: Kyocera-Wireless Corp.

K38-02 #3700 CDMA-1700 Ch875 Left Cheek

Communication System: AWS 1700, Frequency: 1753.75 MHz, Duty Cycle: 1:1

Medium: HSL1700,Medium parameters used (interpolated): f = 1753.75 MHz; σ = 1.38 mho/m; ε_r = 40.2; ρ = 1000 kg/m^3

Phantom: SAM 12,Phantom section: Left Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(5.57, 5.57, 5.57), Calibrated: 9/19/2007
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn527,Calibrated: 9/14/2007
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-1700 Ch875 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
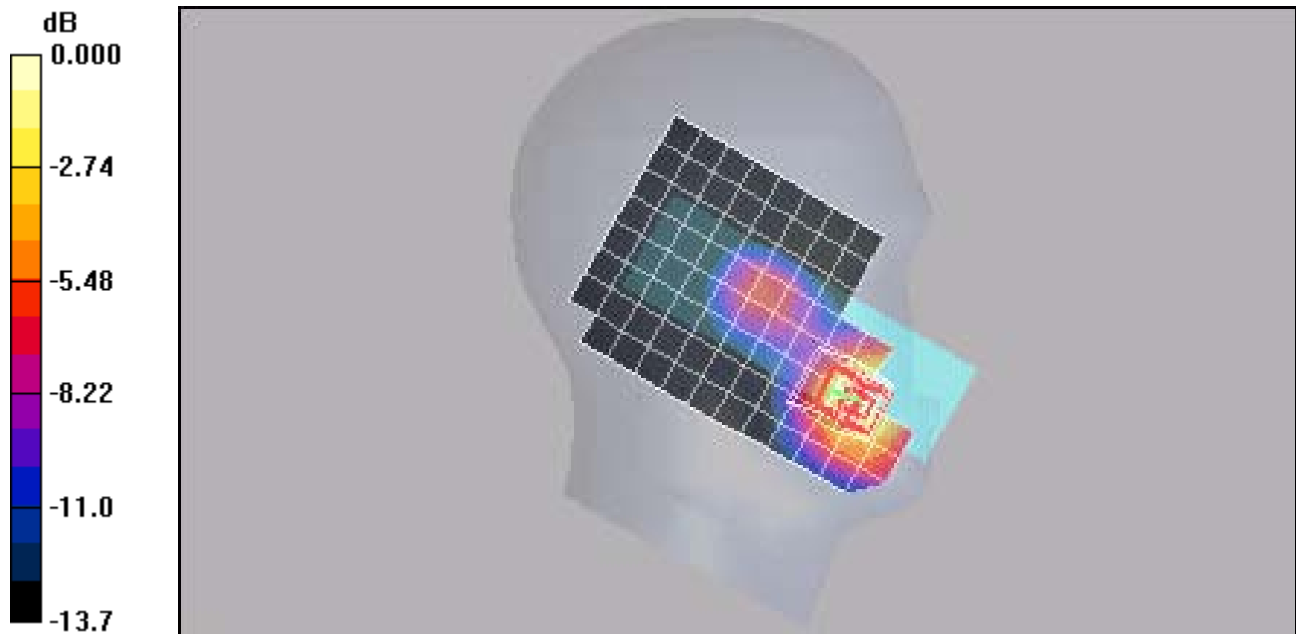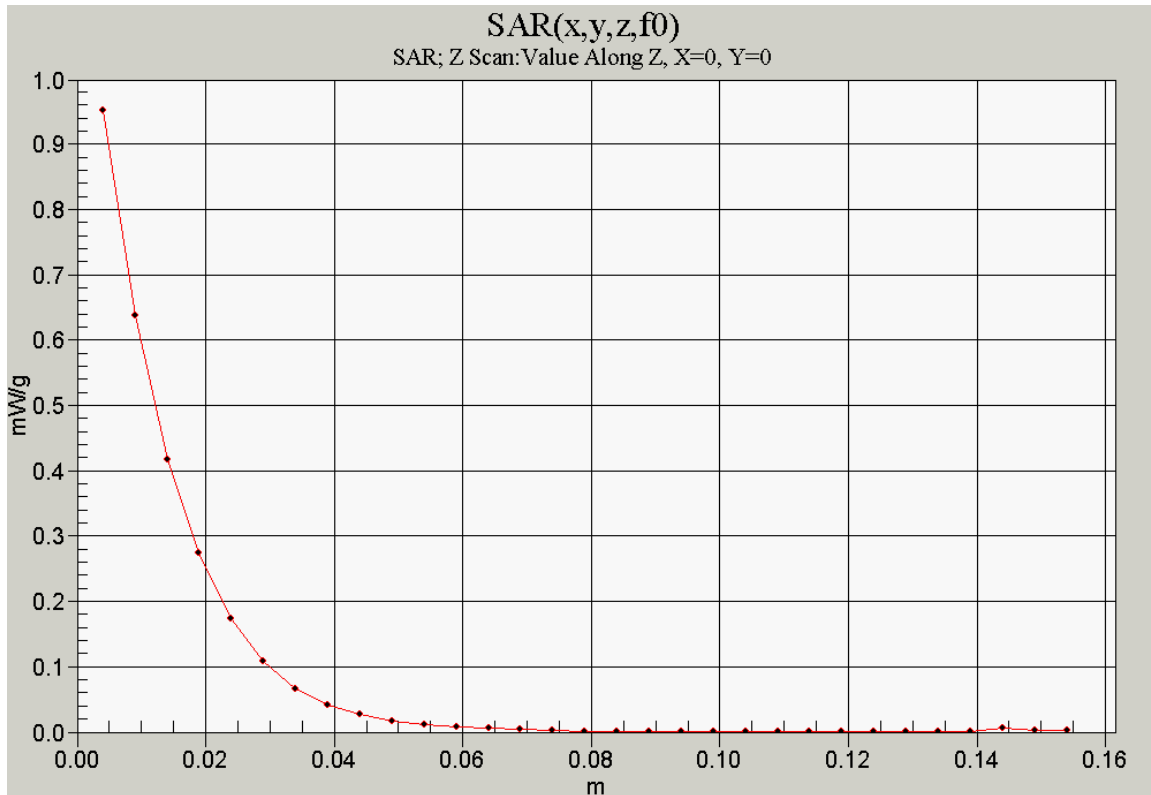Reference Value = 3.69 V/m; Power Drift = -0.118 dB
Peak SAR (extrapolated) = 1.32 W/kg
SAR(1 g) = 0.884 mW/g; SAR(10 g) = 0.532 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.971 mW/g

0 dB = 0.971mW/g

SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0

Test Laboratory: Kyocera-Wireless Corp.

K38-02 #3700, CDMA-1700 Ch450 Flat (Mouth and Jaw position)
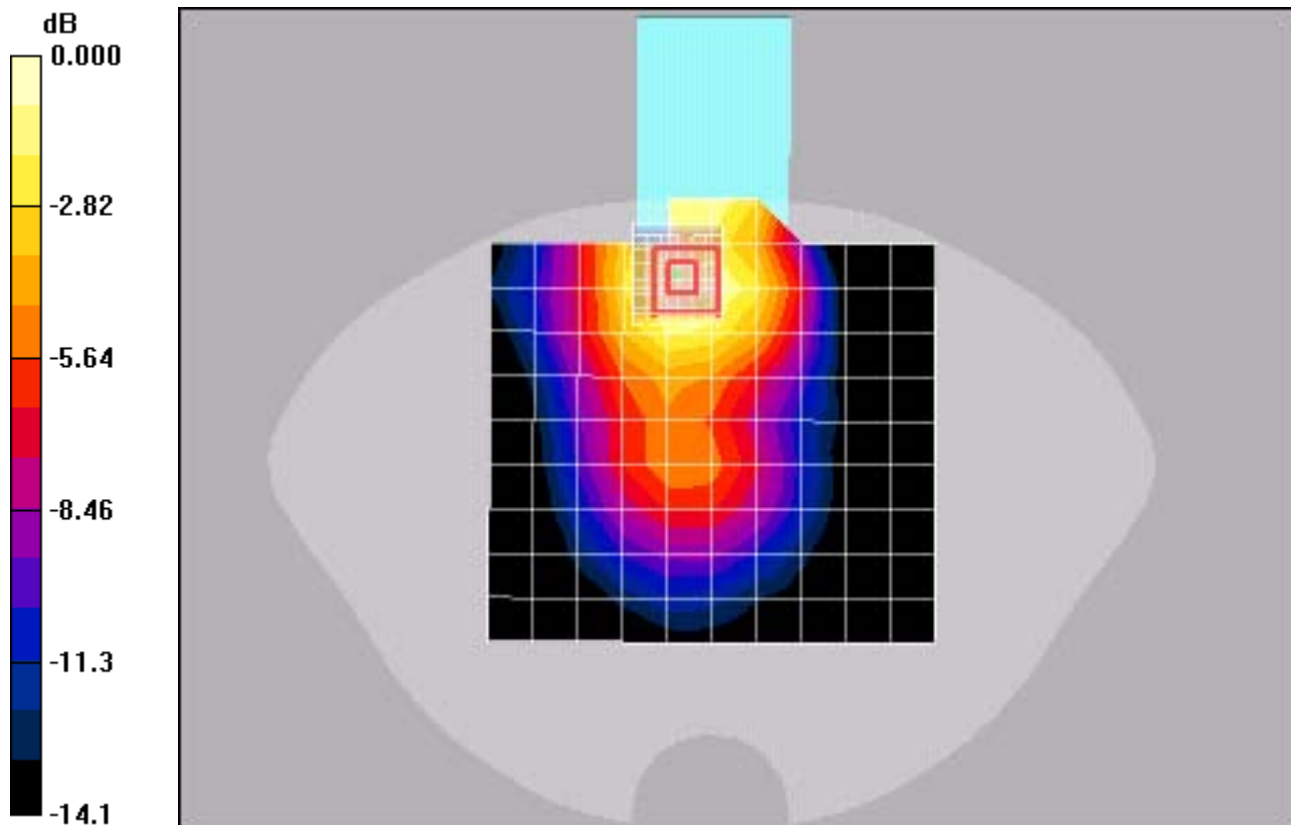
Communication System: AWS 1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1

Medium: HSL1700,Medium parameters used: f = 1732.5 MHz; σ = 1.4 mho/m; ε_r = 41.4; ρ = 1000 kg/m³

Phantom: SAM 12,Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1664, ConvF(5.49, 5.49, 5.49), 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-1700 FLAT Ch450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.13 V/m; Power Drift = 0.133 dB
Peak SAR (extrapolated) = 0.695 W/kg
SAR(1 g) = 0.430 mW/g; SAR(10 g) = 0.269 mW/g
Maximum value of SAR (measured) = 0.468 mW/g

0 dB = 0.468mW/g

Test Laboratory: Kyocera-Wireless Corp.
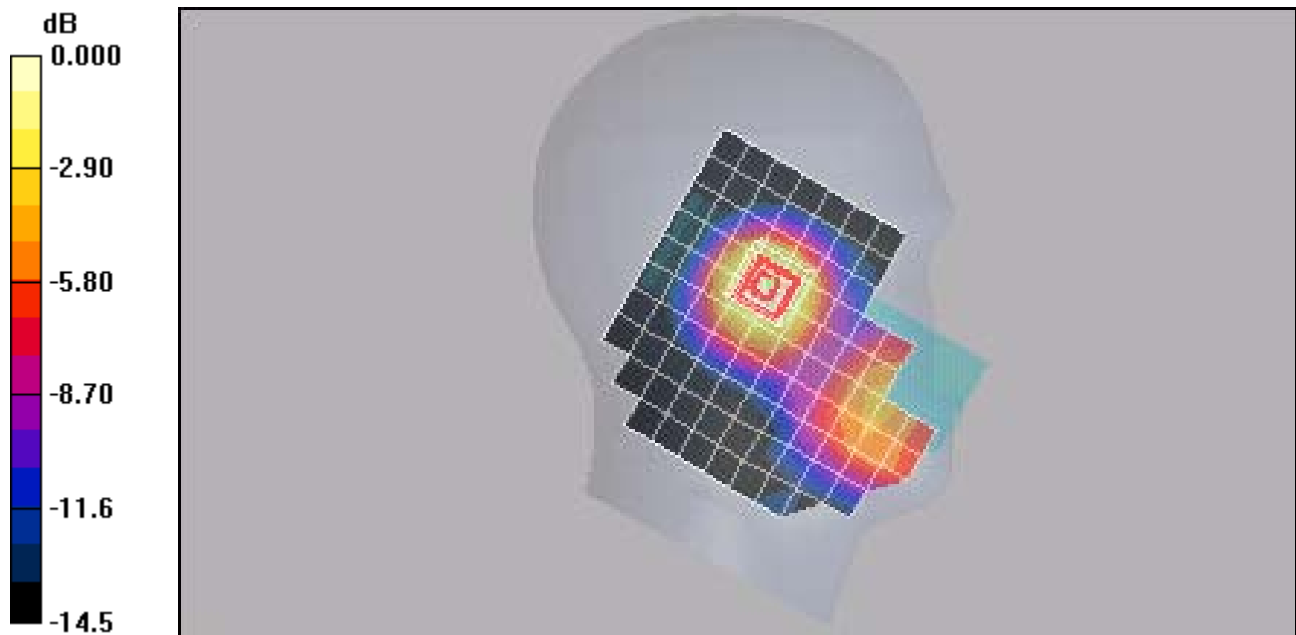
K38-02 #3700 CDMA-1700 Ch450 Left Tilt

Communication System: AWS 1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1
Medium: HSL1700,Medium parameters used: f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.2; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Left Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(5.57, 5.57, 5.57), Calibrated: 9/19/2007
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn527,Calibrated: 9/14/2007
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-1700 Ch450 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.50 V/m; Power Drift = -0.173 dB
Peak SAR (extrapolated) = 0.356 W/kg
SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.168 mW/g
Maximum value of SAR (measured) = 0.283 mW/g

0 dB = 0.283mW/g

Test Laboratory: Kyocera-Wireless Corp.

K38-02 #3700 CDMA-1700 Ch450 Right Cheek

Communication System: AWS 1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1
Medium: HSL1700,Medium parameters used: f = 1732.5 MHz; σ = 1.38 mho/m; $ε_r$ = 40.2; ρ = 1000 kg/m³
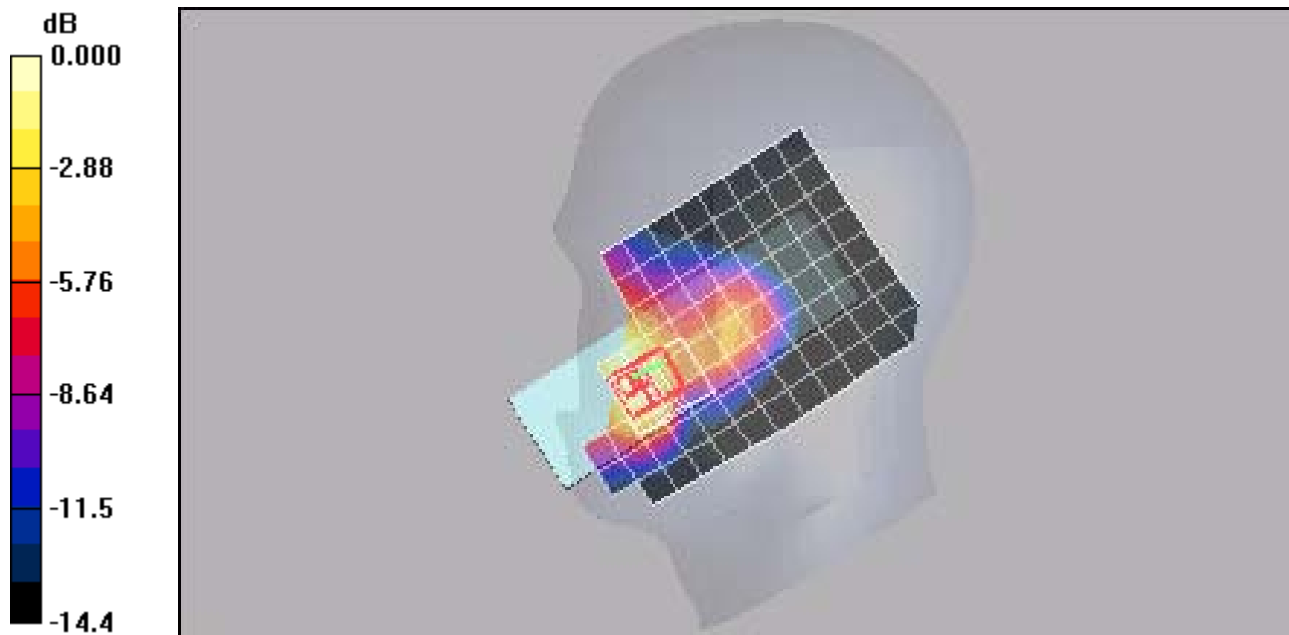Phantom: SAM 12,Phantom section: Right Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(5.57, 5.57, 5.57), Calibrated: 9/19/2007
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn527,Calibrated: 9/14/2007
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-1700 Ch450 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.47 V/m; Power Drift = -0.146 dB
Peak SAR (extrapolated) = 0.834 W/kg
SAR(1 g) = 0.438 mW/g; SAR(10 g) = 0.285 mW/g

Maximum value of SAR (measured) = 0.468 mW/g

0 dB = 0.468mW/g

Test Laboratory: Kyocera-Wireless Corp.

K38-02 #3700 CDMA-1700 Ch450 Right Tilt

Communication System: AWS 1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1
Medium: HSL1700,Medium parameters used: f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.2; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Right Section
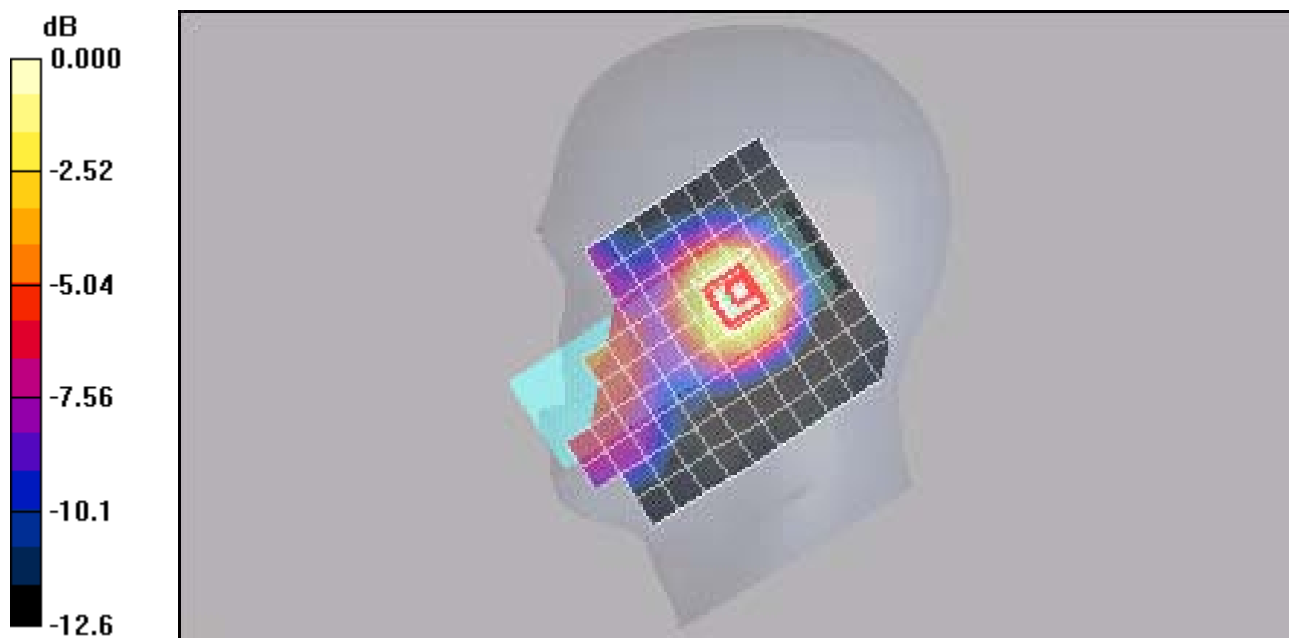
DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(5.57, 5.57, 5.57), Calibrated: 9/19/2007
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn527,Calibrated: 9/14/2007
Measurement SW: DASY4, V4.7 Build 71
Postprocessing SW: SEMCAD, V1.8 Build 176

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

CDMA-1700 Ch450 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.84 V/m; Power Drift = -0.115 dB
Peak SAR (extrapolated) = 0.280 W/kg
SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.134 mW/g
Maximum value of SAR (measured) = 0.220 mW/g

0 dB = 0.220mW/g

Test Laboratory: Kyocera-Wireless Corp.
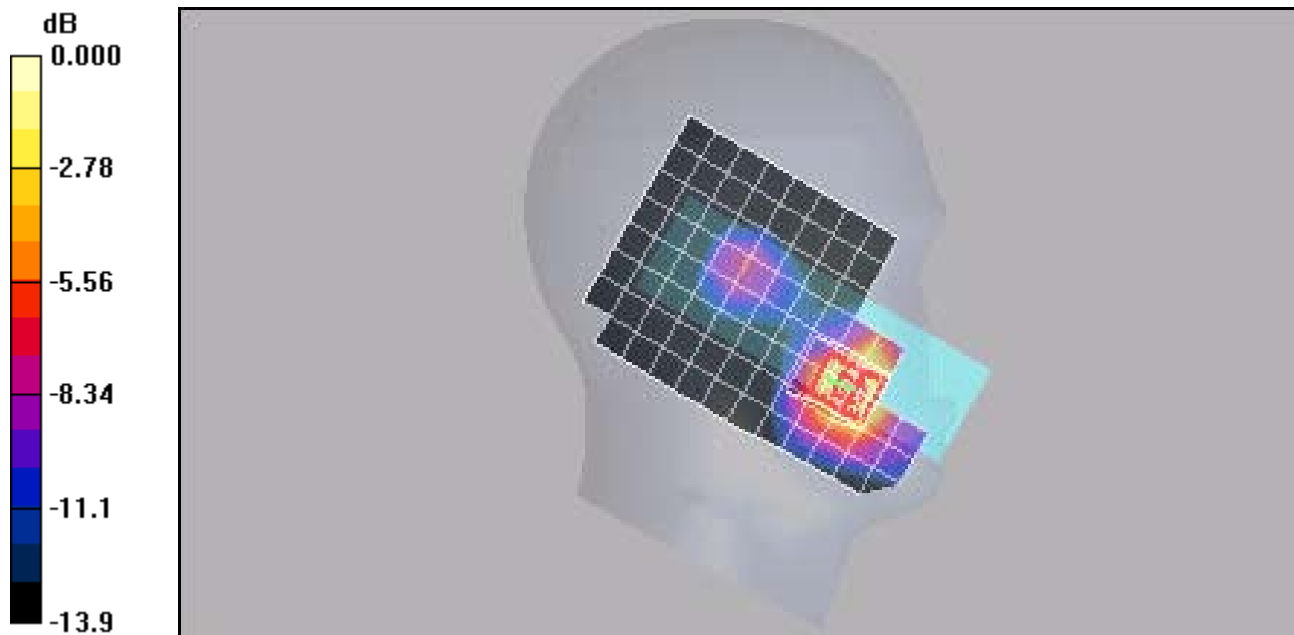
K38-02 #3700 CDMA-1900 Ch600 Left Cheek

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: HSL1800,Medium parameters used: f = 1880 MHz; σ = 1.4 mho/m; ε_r = 41.2; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Left Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(5.31, 5.31, 5.31), Calibrated: 9/19/2007
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn527,Calibrated: 9/14/2007
Measurement SW: DASY4, V4.7 Build 71
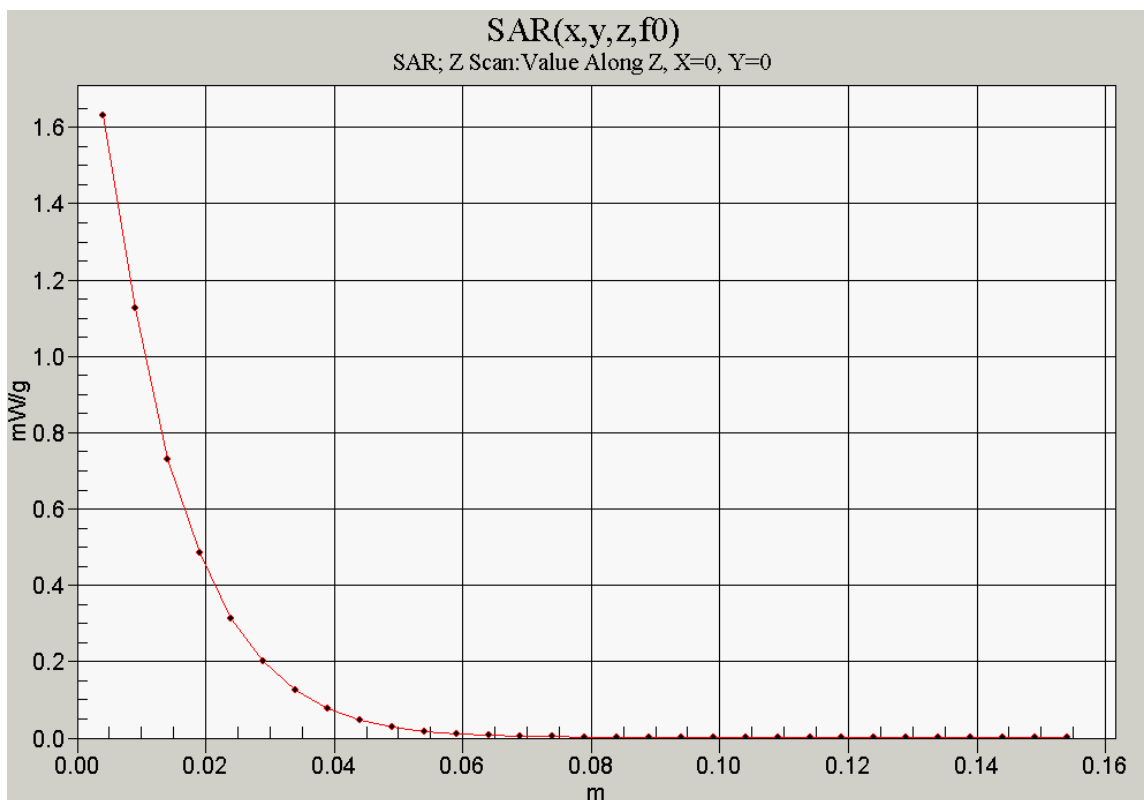Postprocessing SW: SEMCAD, V1.8 Build 176

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

CDMA-1900 Ch600 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.3 V/m; Power Drift = -0.061 dB
Peak SAR (extrapolated) = 2.14 W/kg
SAR(1 g) = 1.46 mW/g; SAR(10 g) = 0.855 mW/g
Maximum value of SAR (measured) = 1.62 mW/g

0 dB = 1.62mW/g

SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0

Test Laboratory: Kyocera-Wireless Corp.
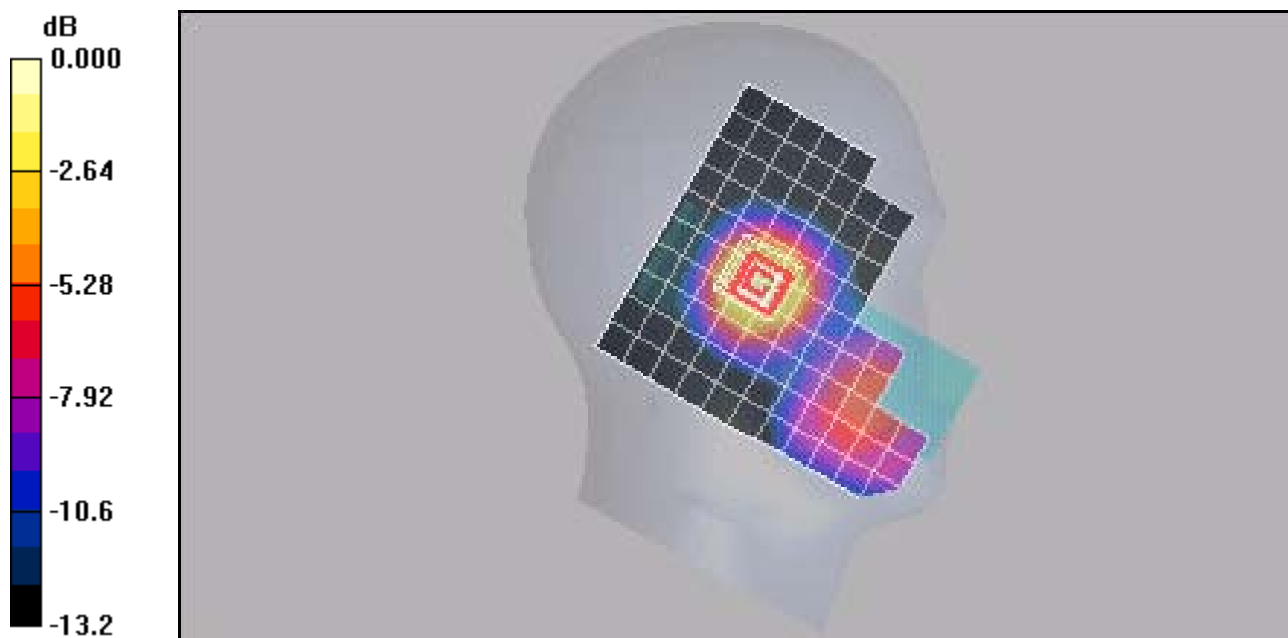
K38-02 #3700 CDMA-1900 Ch600 Left Tilt

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: HSL1800,Medium parameters used: f = 1880 MHz; σ = 1.4 mho/m; ε_r = 41.2; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Left Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(5.31, 5.31, 5.31), Calibrated: 9/19/2007
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn527,Calibrated: 9/14/2007
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 = 8.85 V/m; Power Drift = 0.128 dB
Peak SAR (extrapolated) = 0.485 W/kg
SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.222 mW/g
Maximum value of SAR (measured) = 0.384 mW/g

0 dB = 0.384mW/g

Test Laboratory: Kyocera-Wireless Corp.

K38-02 #3700 CDMA-1900 Ch600 Right Cheek

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: HSL1800,Medium parameters used: f = 1880 MHz; σ = 1.4 mho/m; ε_r = 41.2; ρ = 1000 kg/m^3
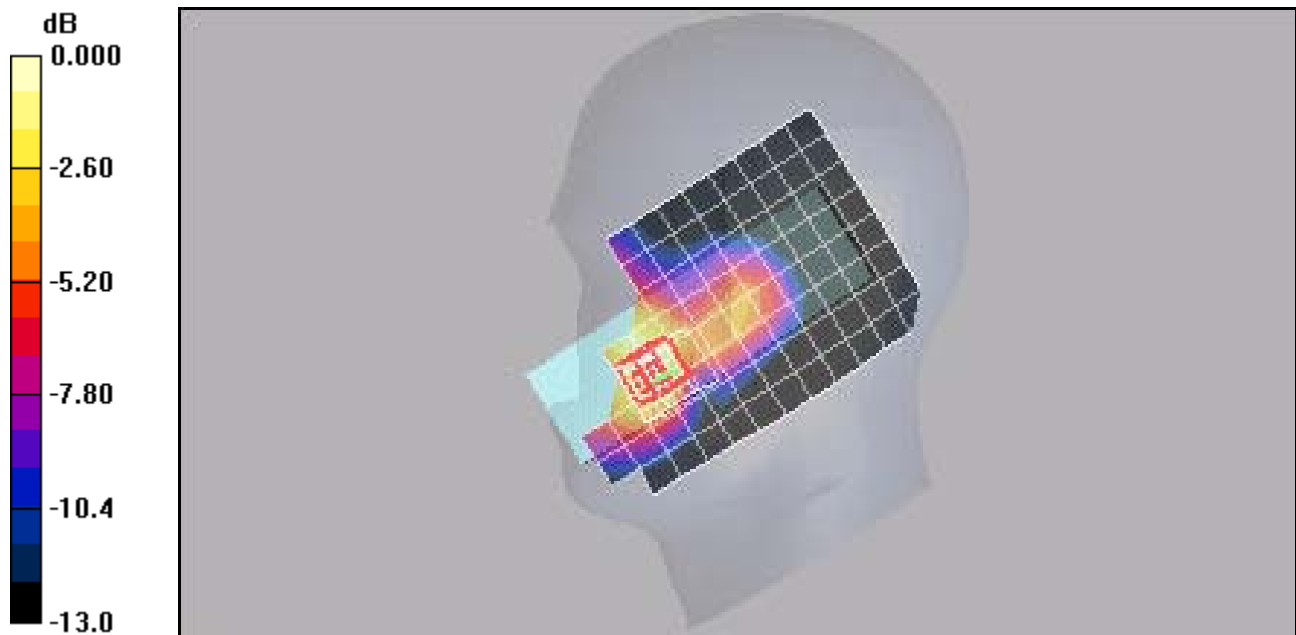Phantom: SAM 12,Phantom section: Right Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(5.31, 5.31, 5.31), Calibrated: 9/19/2007
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn527,Calibrated: 9/14/2007
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 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.01 V/m; Power Drift = 0.019 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.533 mW/g; SAR(10 g) = 0.346 mW/g

Maximum value of SAR (measured) = 0.584 mW/g

0 dB = 0.584mW/g

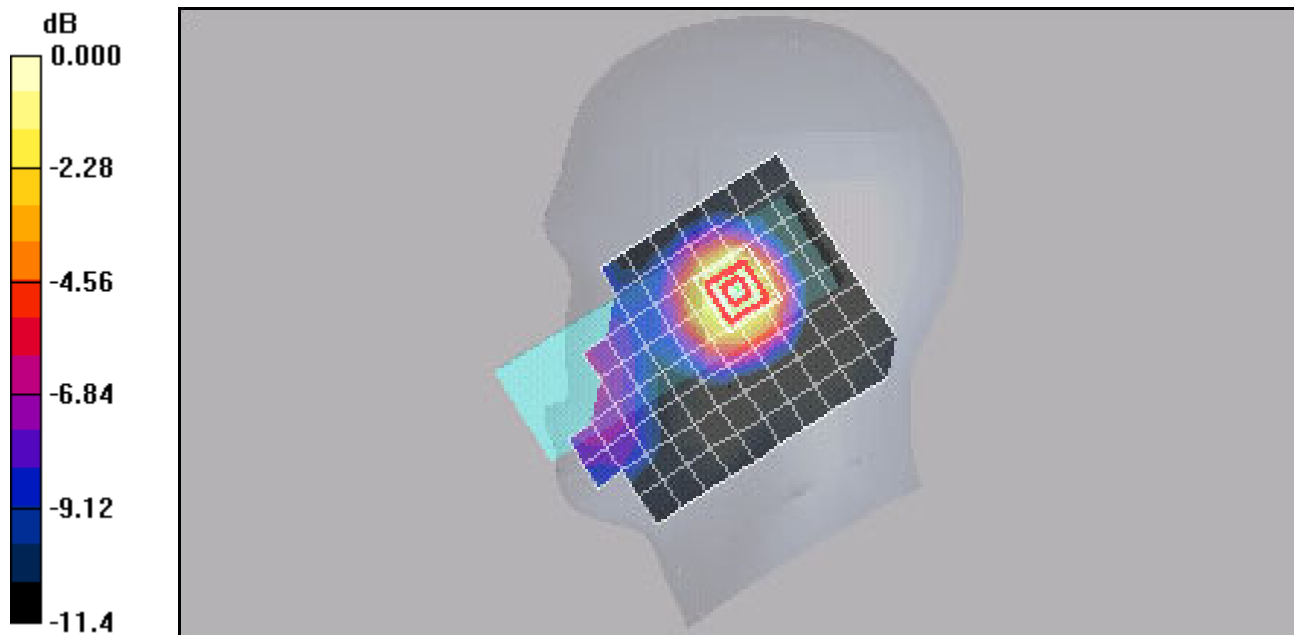**Test Laboratory: Kyocera-Wireless Corp.**

K38-02 #3700 CDMA-1900 Ch600 Right Tilt

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: HSL1800,Medium parameters used: f = 1880 MHz; σ = 1.4 mho/m; ε_r = 41.2; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Right Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(5.31, 5.31, 5.31), Calibrated: 9/19/2007
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn527,Calibrated: 9/14/2007
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 = 10.1 V/m; Power Drift = -0.104 dB
Peak SAR (extrapolated) = 0.424 W/kg
SAR(1 g) = 0.313 mW/g; SAR(10 g) = 0.202 mW/g
Maximum value of SAR (measured) = 0.342 mW/g

0 dB = 0.342mW/g
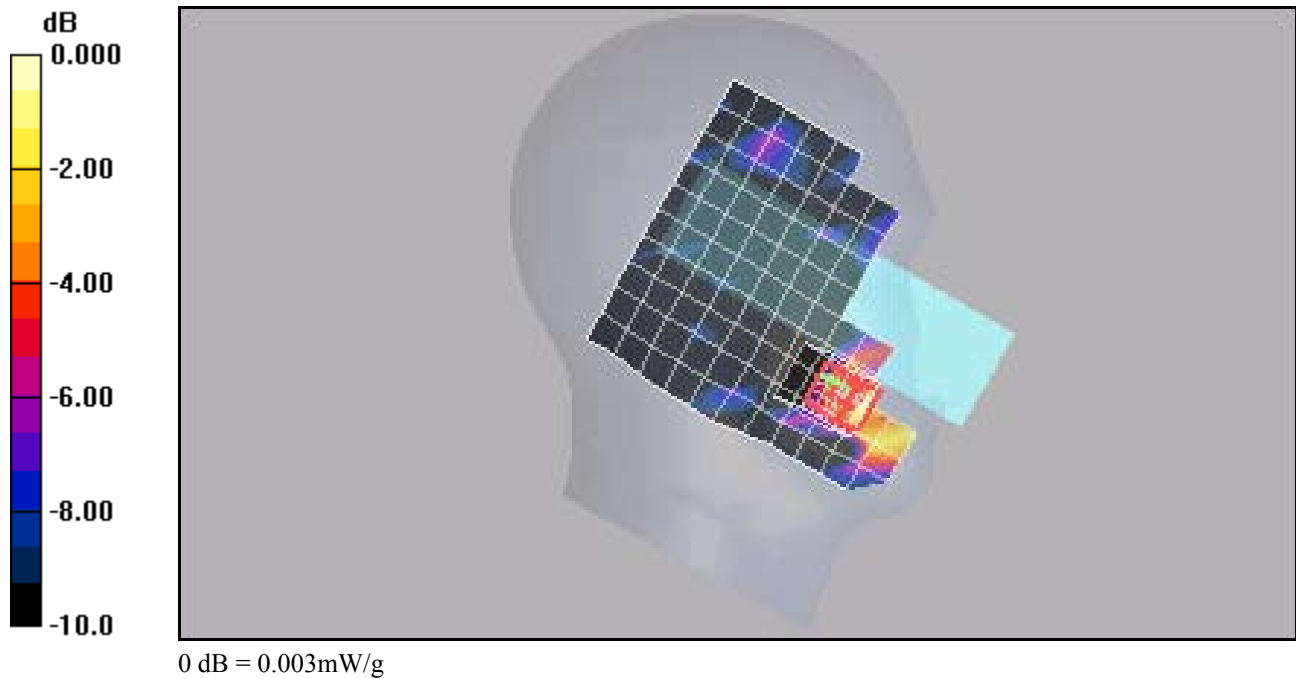
Test Laboratory: Kyocera-Wireless Corp.

K38-02 #3700 Ch78 CDMA-2450 Left Cheek

Communication System: Bluetooth 2450Mhz, Frequency: 2480 MHz, Duty Cycle: 1:1

Medium: HSL2450,Medium parameters used: f = 2480 MHz; σ = 1.84 mho/m; ε_r = 40.2; ρ = 1000 kg/m^3

Phantom: SAM 12,Phantom section: Left 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 Sn675,Calibrated: 4/21/2008
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 78 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.816 V/m; Power Drift = 0.106 dB
Peak SAR (extrapolated) = 0.018 W/kg
SAR(1 g) = 0.00357 mW/g; SAR(10 g) = 0.000968 mW/g

0 dB = 0.003mW/g

Test Laboratory: Kyocera-Wireless Corp.

K38-02 #3700 CDMA-2450 Ch78 Flat (Mouth and Jaw position)

Communication System: Bluetooth 2450Mhz, Frequency: 2480 MHz, Duty Cycle: 1:1
Medium: HSL2450,Medium parameters used: f = 2480 MHz; σ = 1.84 mho/m; ε_r = 40.2; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat 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 Sn675,Calibrated: 4/21/2008
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 78 Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.37 V/m; Power Drift = 0.658 dB
Peak SAR (extrapolated) = 0.022 W/kg
SAR(1 g) = 0.00578 mW/g; SAR(10 g) = 0.002 mW/g

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

CDMA-2450 CH 78 Flat/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.37 V/m; Power Drift = 0.658 dB
Peak SAR (extrapolated) = 0.014 W/kg
SAR(1 g) = 0.00637 mW/g; SAR(10 g) = 0.00331 mW/g

0 dB = 0.008mW/g