

Appendix B1:
SAR Distribution Plots (Head)

Test Laboratory: Kyocera-Wireless Corp.

C2PC #2161 AMPS ch383 Left Cheek with Standard Battery-1000mAh

Communication System: AMPS, Frequency: 836.49 MHz, Duty Cycle: 1:1

Medium: HSL900,Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.904$ mho/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³

Phantom: SAM 12,Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1714, ConvF(6.38, 6.38, 6.38), Calibrated: 9/6/2005

Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),

Electronics: DAE4 Sn602,Calibrated: 8/30/2005

Measurement SW: DASY4, V4.6 Build 23

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

AMPS Ch383 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

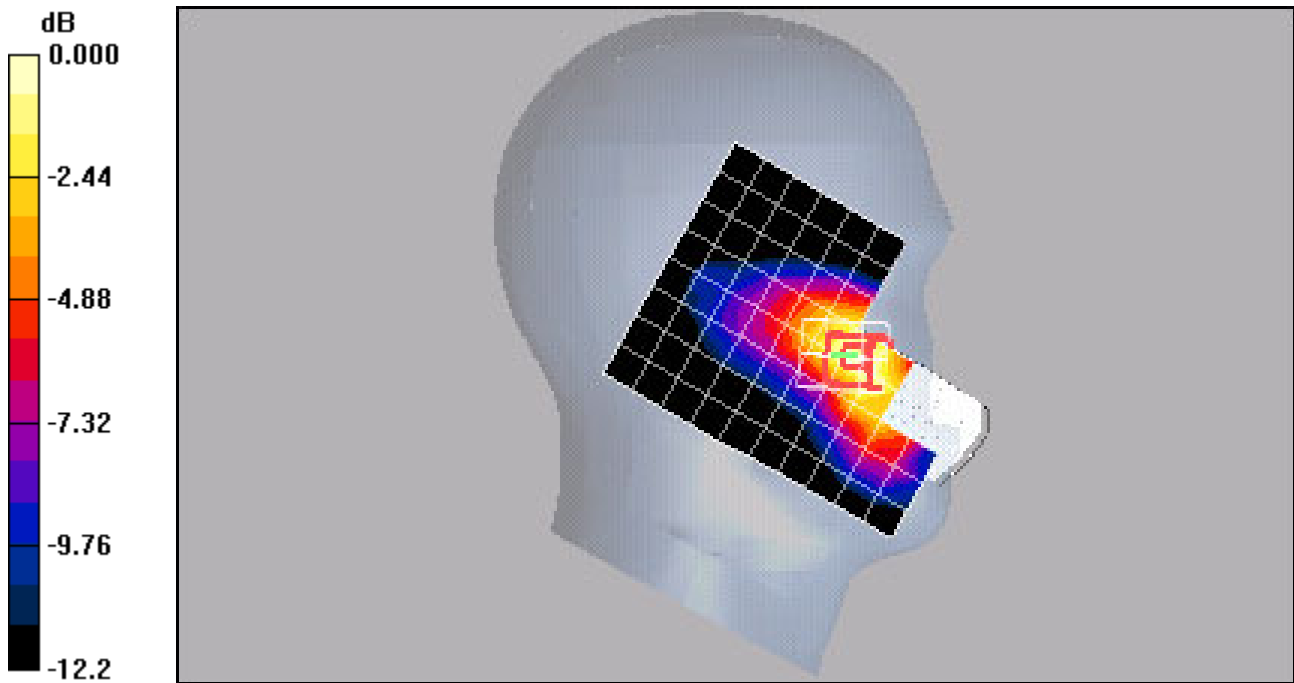
Reference Value = 12.5 V/m; Power Drift = -0.167 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.802 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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



0 dB = 1.31mW/g

Test Laboratory: Kyocera-Wireless Corp.

C2PC #2161 AMPS ch383 Left Tilt with Extended Battery-1800mAh

Communication System: AMPS, Frequency: 836.49 MHz, Duty Cycle: 1:1

Medium: HSL900,Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.914$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Phantom: SAM 12,Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1714, ConvF(6.38, 6.38, 6.38), Calibrated: 9/6/2005

Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),

Electronics: DAE4 Sn602,Calibrated: 8/30/2005

Measurement SW: DASY4, V4.6 Build 23

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

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

Reference Value = 12.5 V/m; Power Drift = -0.076 dB

Peak SAR (extrapolated) = 0.263 W/kg

SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.154 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.217 mW/g

AMPS Ch383 LT/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

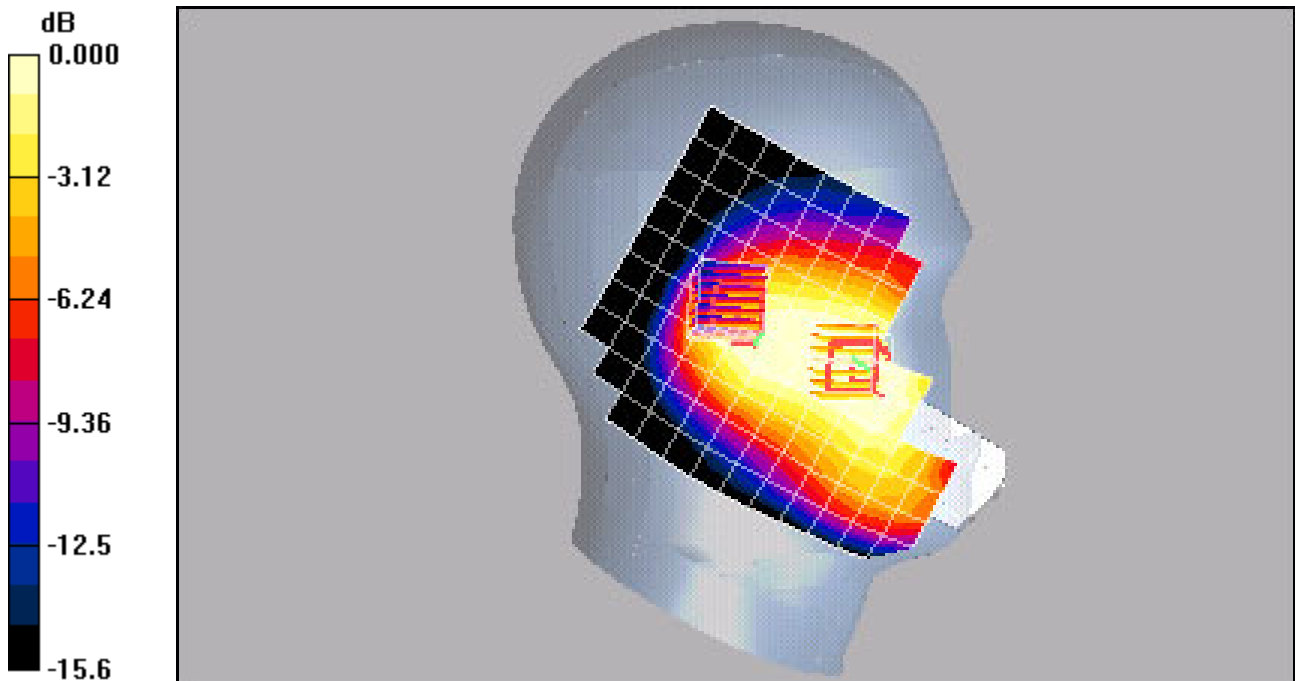
Reference Value = 12.5 V/m; Power Drift = -0.076 dB

Peak SAR (extrapolated) = 0.303 W/kg

SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.094 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.170 mW/g



0 dB = 0.170mW/g

Test Laboratory: Kyocera-Wireless Corp.

C2PC #2161 AMPS ch383 Right Cheek with Standard Battery-1000mAh

Communication System: AMPS, Frequency: 836.49 MHz, Duty Cycle: 1:1

Medium: HSL900,Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 41.1$; $\rho = 1000$ kg/m³

Phantom: SAM 12,Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1714, ConvF(6.38, 6.38, 6.38), Calibrated: 9/6/2005

Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),

Electronics: DAE4 Sn602,Calibrated: 8/30/2005

Measurement SW: DASY4, V4.6 Build 23

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

AMPS Ch383 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

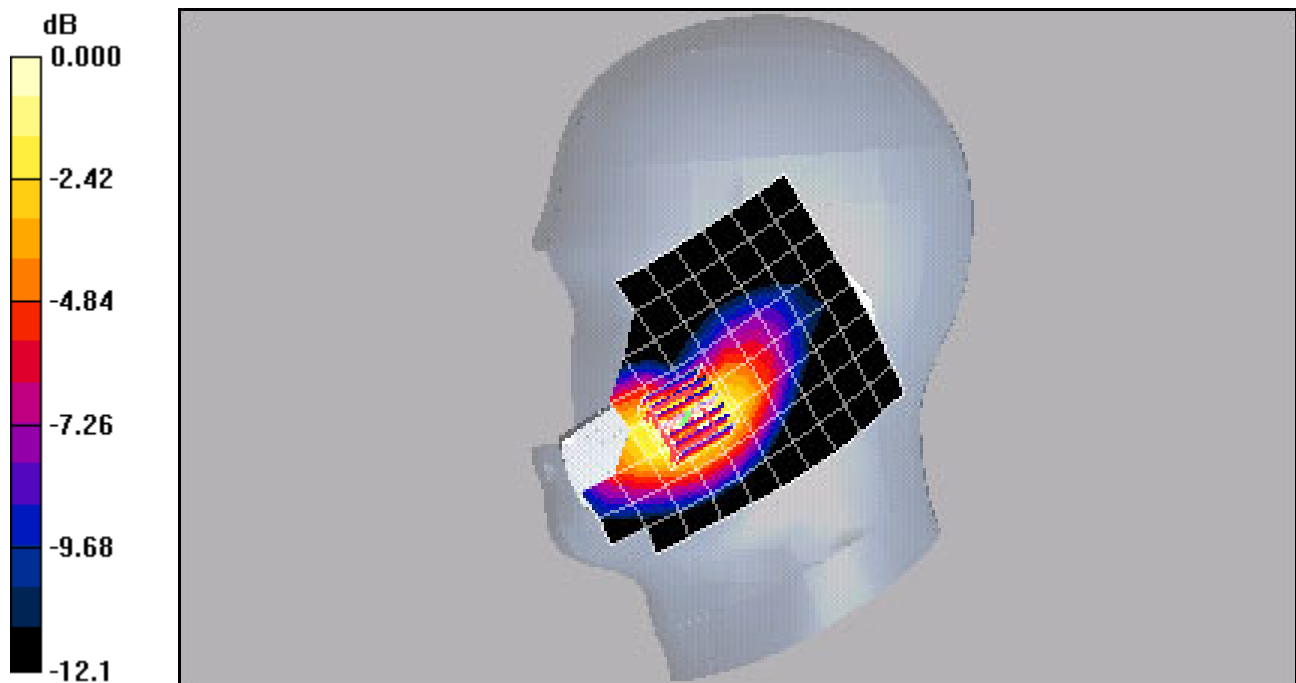
Reference Value = 11.6 V/m; Power Drift = -0.123 dB

Peak SAR (extrapolated) = 2.08 W/kg

SAR(1 g) = 1.43 mW/g; SAR(10 g) = 0.936 mW/g

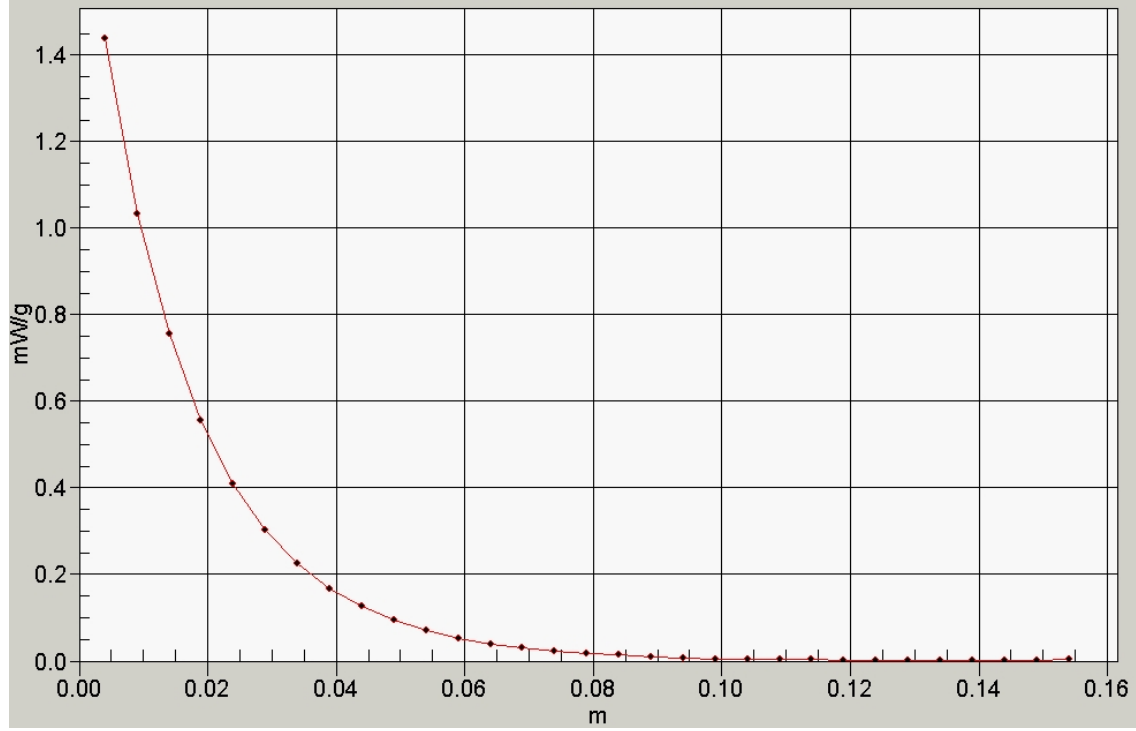
[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.57 mW/g



0 dB = 1.57mW/g

SAR(x,y,z,f0)
SAR; Z Scan 2: Value Along Z, X=0, Y=0



Test Laboratory: Kyocera-Wireless Corp.

C2PC #2161 AMPS ch383 Right Tilt with Extended Battery-1800mAh

Communication System: AMPS, Frequency: 836.49 MHz, Duty Cycle: 1:1

Medium: HSL900,Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.914$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Phantom: SAM 12,Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1714, ConvF(6.38, 6.38, 6.38), Calibrated: 9/6/2005

Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),

Electronics: DAE4 Sn602,Calibrated: 8/30/2005

Measurement SW: DASY4, V4.6 Build 23

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

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

Reference Value = 13.4 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 0.323 W/kg

SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.185 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.259 mW/g

AMPS Ch383 RT/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

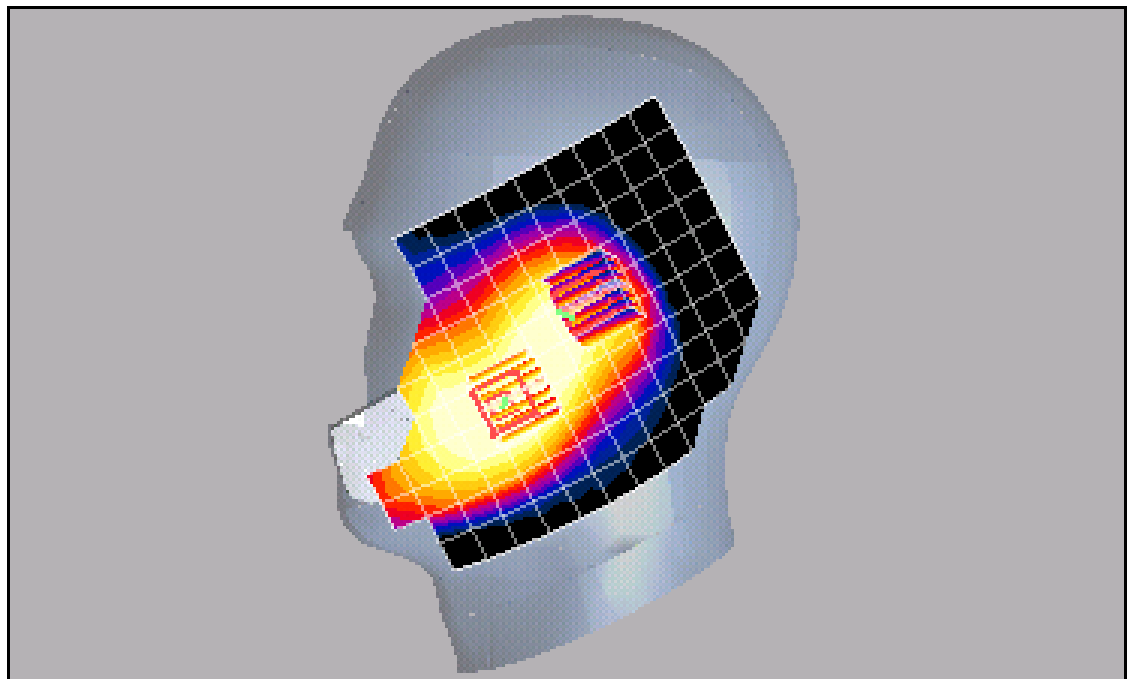
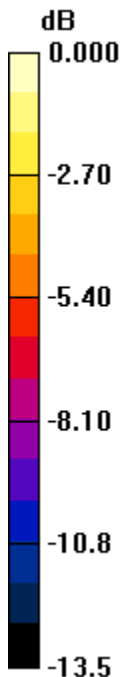
Reference Value = 13.4 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 0.275 W/kg

SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.120 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.206 mW/g



0 dB = 0.206mW/g

Test Laboratory: Kyocera-Wireless Corp.

C2PC #2161 CDMA-800 ch383 Left Cheek with Standard Battery-1000mAh and Bluetooth On

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

Medium: HSL900,Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.904$ mho/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³

Phantom: SAM 12,Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1714, ConvF(6.38, 6.38, 6.38), Calibrated: 9/6/2005

Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),

Electronics: DAE4 Sn602,Calibrated: 8/30/2005

Measurement SW: DASY4, V4.6 Build 23

Postprocessing SW: SEMCAD, V1.8 Build 160

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

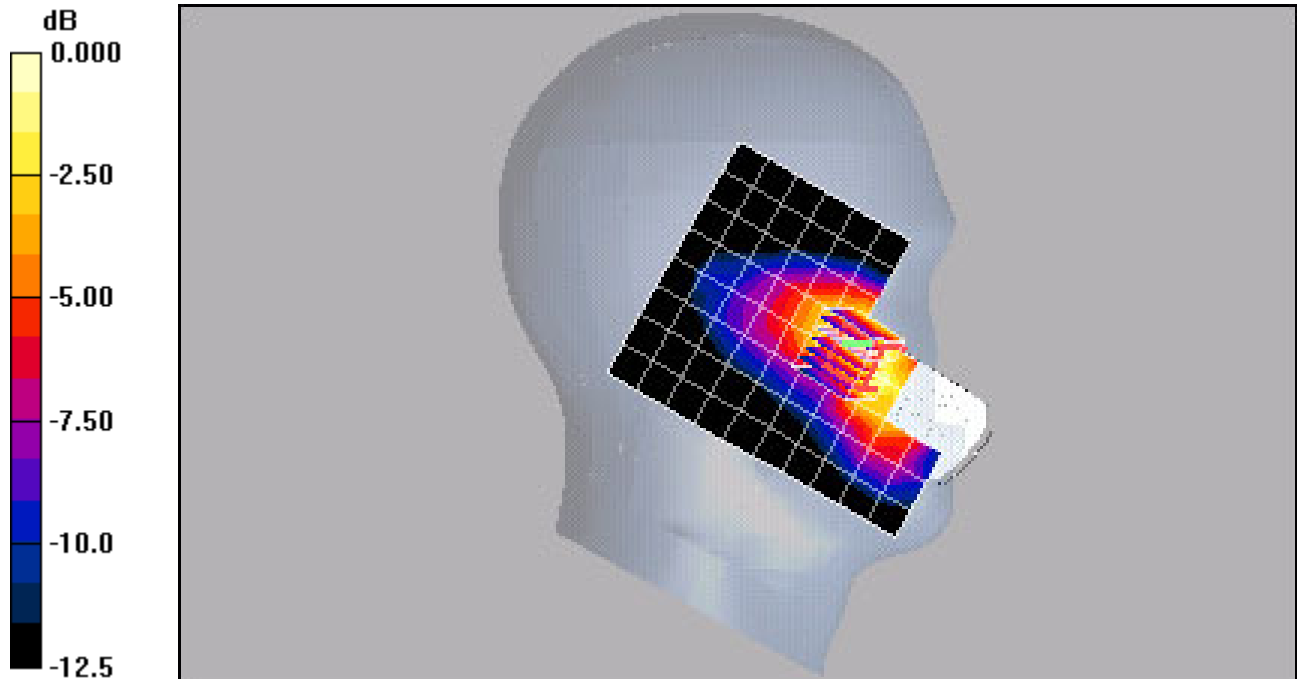
Reference Value = 12.0 V/m; Power Drift = -0.200 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.795 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.

C2PC #2161 CDMA-800 ch383 Left Tilt with Extended Battery-1800mAh

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

Medium: HSL900,Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.914$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Phantom: SAM 12,Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1714, ConvF(6.38, 6.38, 6.38), Calibrated: 9/6/2005

Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),

Electronics: DAE4 Sn602,Calibrated: 8/30/2005

Measurement SW: DASY4, V4.6 Build 23

Postprocessing SW: SEMCAD, V1.8 Build 160

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 = 12.3 V/m; Power Drift = 0.020 dB

Peak SAR (extrapolated) = 0.266 W/kg

SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.156 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.221 mW/g

CDMA-800 Ch383 LT/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

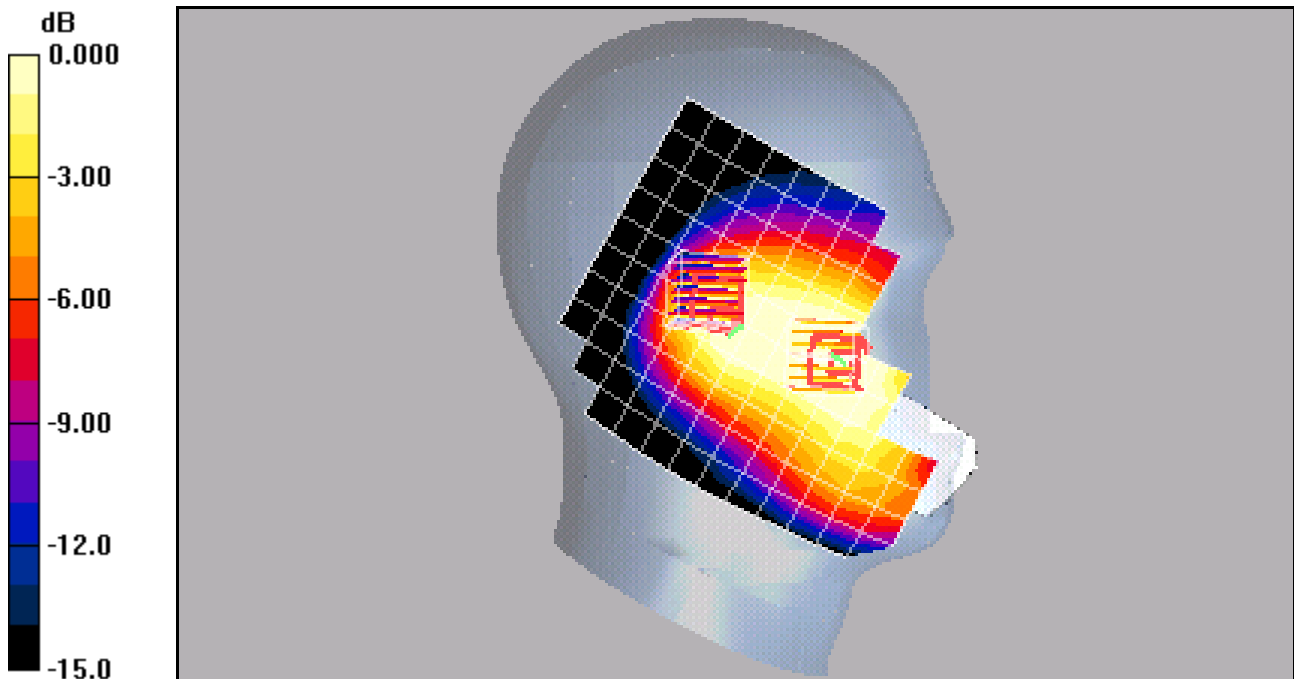
Reference Value = 12.3 V/m; Power Drift = 0.020 dB

Peak SAR (extrapolated) = 0.359 W/kg

SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.097 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.173 mW/g



0 dB = 0.173mW/g