

Appendix B-1:

SAR Distribution Plots (Head)

Date/Time: 04/19/05 08:57:02

Test Laboratory: Kyocera Wireless

KX9C #X41Q AMPS ch799 Left Cheek Phone Open with Extended Battery

Communication System: AMPS, Frequency: 849.97 MHz, Duty Cycle: 1:1

Medium: HSL900, Medium parameters used (interpolated): $f = 849.97$ MHz; $\sigma = 0.905$ mho/m; $\epsilon_r = 42.2$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1712, ConvF(6.25, 6.25, 6.25), Calibrated: 9/29/2004

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

Electronics: DAE3 Sn493, Calibrated: 11/24/2004

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 130

Temperature

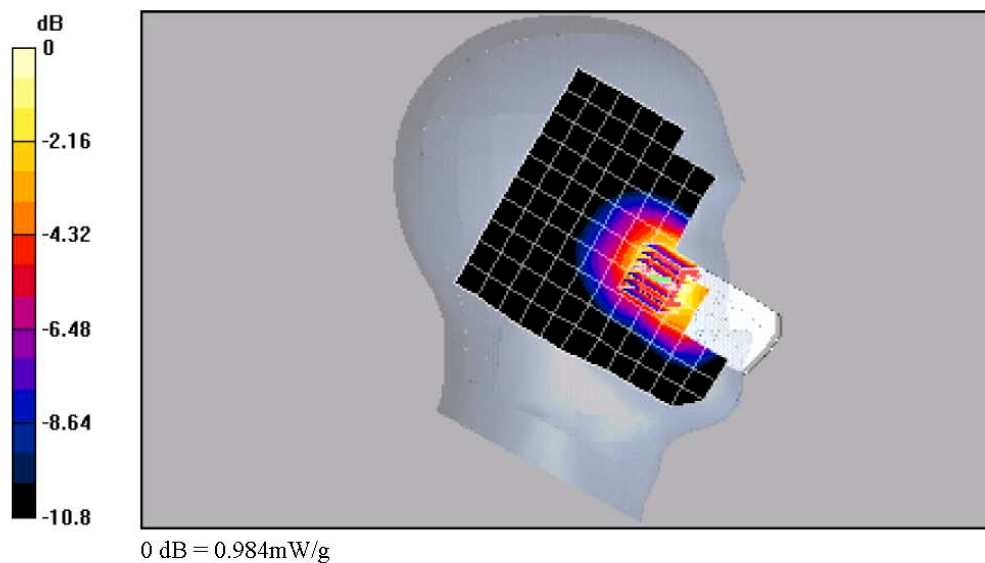
Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

AMPS CH799 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.73 V/m; Power Drift = -0.2 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.927 mW/g; SAR(10 g) = 0.632 mW/g



Date/Time: 04/19/05 08:57:02

Test Laboratory: Kyocera Wireless

KX9C #X41Q AMPS ch383 Left Tilt Phone Open with Extended Battery

Communication System: AMPS, Frequency: 836.41 MHz, Duty Cycle: 1:1

Medium: HSL900, Medium parameters used (interpolated): $f = 836.41$ MHz; $\sigma = 0.905$ mho/m; $\epsilon_r = 42.2$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1712, ConvF(6.25, 6.25, 6.25), Calibrated: 9/29/2004

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

Electronics: DAE3 Sn493, Calibrated: 11/24/2004

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 130

Temperature

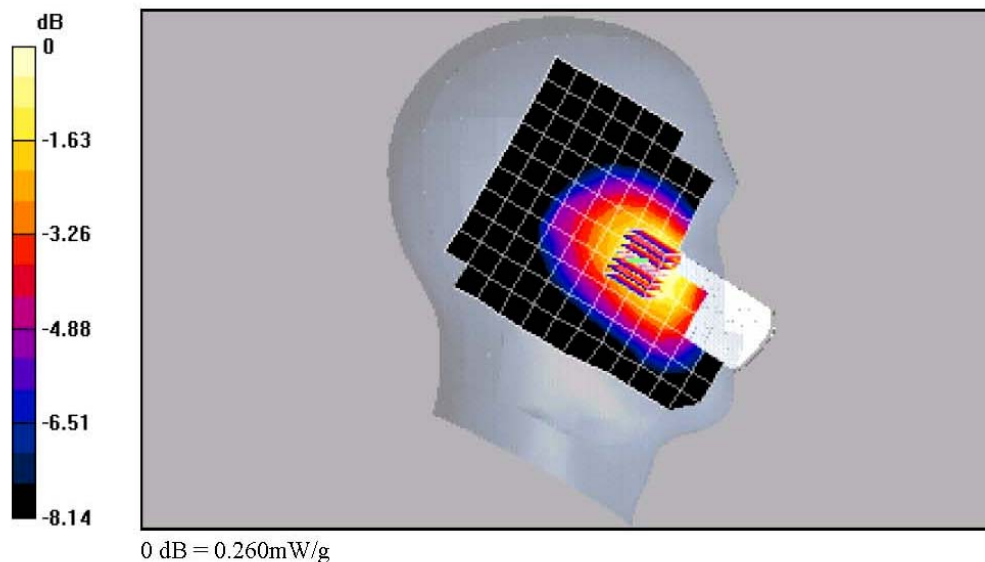
Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

AMPS CH383 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.8 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.311 W/kg

SAR(1 g) = 0.248 mW/g; SAR(10 g) = 0.184 mW/g



Date/Time: 04/18/05 15:58:24

Test Laboratory: Kyocera Wireless

KX9C #X41Q AMPS ch799 Right Cheek Phone Open

Communication System: AMPS, Frequency: 849.97 MHz, Duty Cycle: 1:1

Medium: HSL900, Medium parameters used (interpolated): $f = 849.97 \text{ MHz}$; $\sigma = 0.923 \text{ mho/m}$; $\epsilon_r = 43.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1712, ConvF(6.25, 6.25, 6.25), Calibrated: 9/29/2004

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

Electronics: DAE3 Sn493, Calibrated: 11/24/2004

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 130

Temperature

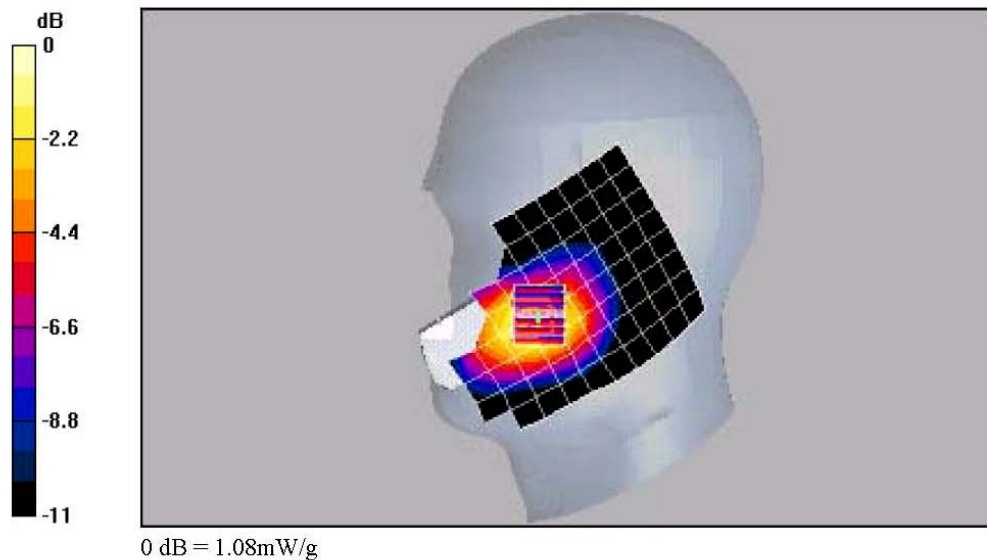
Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

AMPS CH799 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.97 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.683 mW/g



Date/Time: 04/19/05 02:22:36

Test Laboratory: Kyocera Wireless

KX9C #X41Q AMPS ch383 Right Tilt Phone Open with Extended Battery

Communication System: AMPS, Frequency: 836.41 MHz, Duty Cycle: 1:1

Medium: HSL900, Medium parameters used (interpolated): $f = 836.41 \text{ MHz}$; $\sigma = 0.905 \text{ mho/m}$; $\epsilon_r = 42.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1712, ConvF(6.25, 6.25, 6.25), Calibrated: 9/29/2004

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

Electronics: DAE3 Sn493, Calibrated: 11/24/2004

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 130

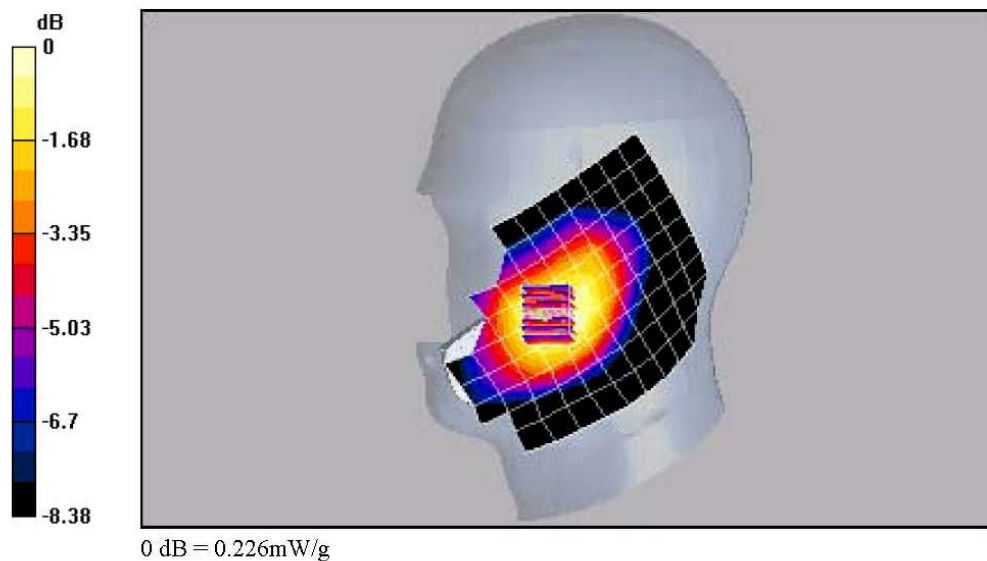
Temperature

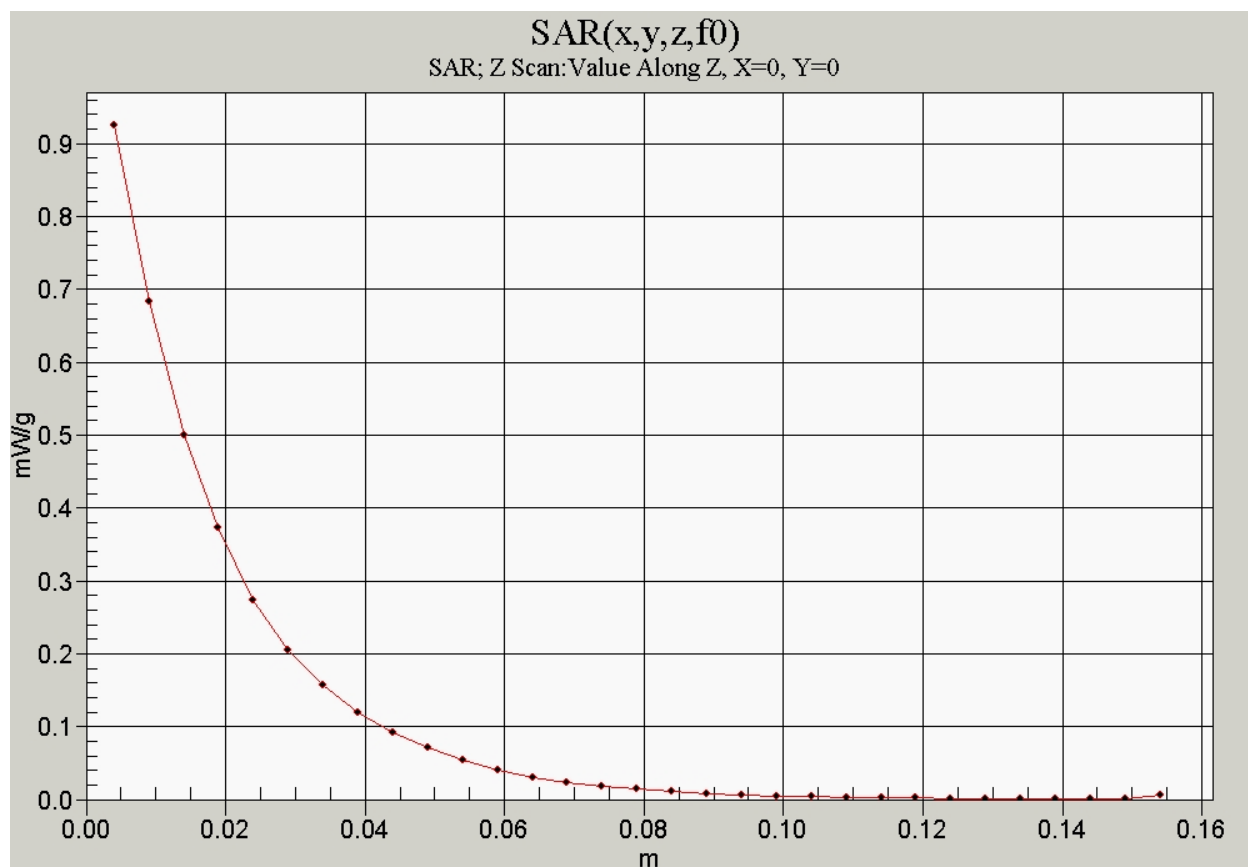
Room T = $21.8 \pm 1 \text{ deg C}$, Liquid T = $22.0 \pm 1 \text{ deg C}$

AMPS CH383 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.11 V/m ; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 0.287 W/kg

SAR(1 g) = 0.212 mW/g ; SAR(10 g) = 0.153 mW/g




Date/Time: 04/16/05 04:29:33

Test Laboratory: Kyocera Wireless

KX9A #X39D CDMA-800 ch383 Left Cheek Phone Open

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

Medium: HSL900, Medium parameters used (interpolated): $f = 836.49 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 43$; $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1712, ConvF(6.25, 6.25, 6.25), Calibrated: 9/29/2004

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

Electronics: DAE3 Sn493, Calibrated: 11/24/2004

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 130

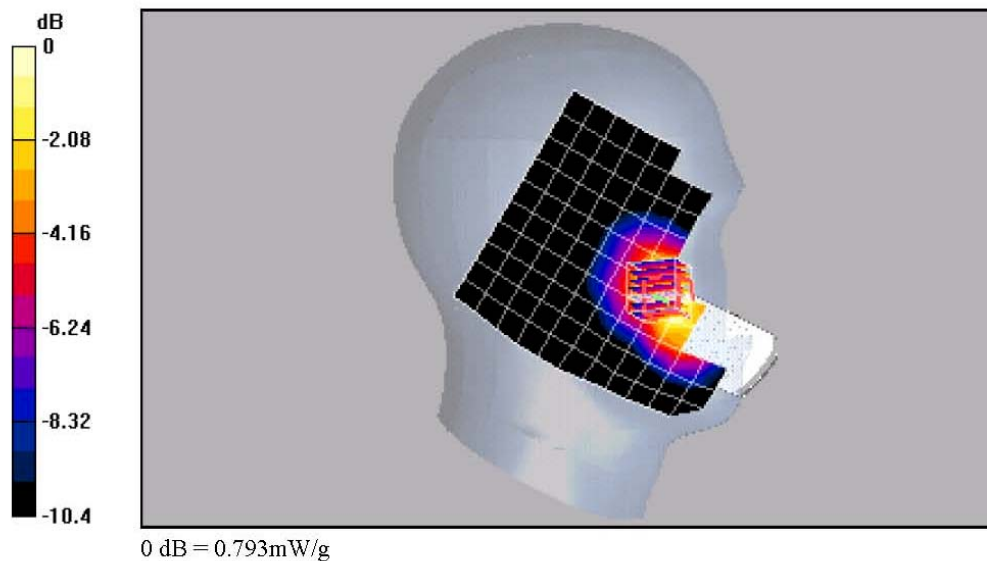
Temperature

Room T = $21.8 \pm 1 \text{ deg C}$, Liquid T = $22.0 \pm 1 \text{ deg C}$

CDMA-800 CH 383 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 6 V/m ; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.757 mW/g ; SAR(10 g) = 0.517 mW/g


Date/Time: 04/16/05 08:30:31

Test Laboratory: Kyocera Wireless

KX9C #X41Q CDMA-800 ch383 Left Tilt Phone Open with Extended Battery

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

Medium: HSL900, Medium parameters used (interpolated): $f = 836.49 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 43$; $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1712, ConvF(6.25, 6.25, 6.25), Calibrated: 9/29/2004

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

Electronics: DAE3 Sn493, Calibrated: 11/24/2004

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 130

Temperature

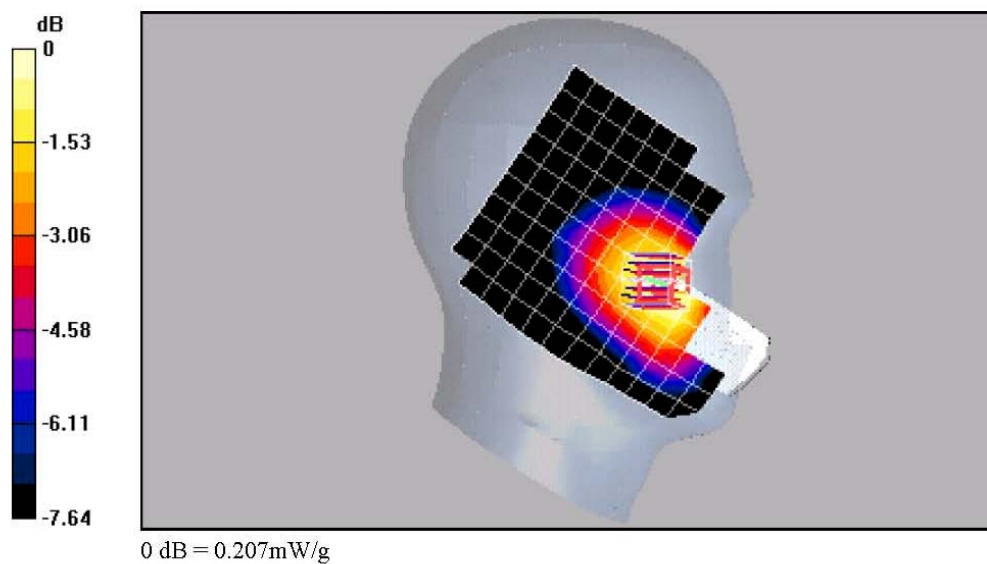
Room T = $21.8 \pm 1 \text{ deg C}$, Liquid T = $22.0 \pm 1 \text{ deg C}$

CDMA-800 CH 383 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.46 V/m; Power Drift = -0.2 dB

Peak SAR (extrapolated) = 0.246 W/kg

SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.148 mW/g



Date/Time: 04/18/05 12:37:19

Test Laboratory: Kyocera Wireless

KX9C #X41Q CDMA-800 ch777 Right Cheek with Extended Battery

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

Medium: HSL900, Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.923$ mho/m; $\epsilon_r = 43.1$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1712, ConvF(6.25, 6.25, 6.25), Calibrated: 9/29/2004

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

Electronics: DAE3 Sn493, Calibrated: 11/24/2004

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 130

Temperature

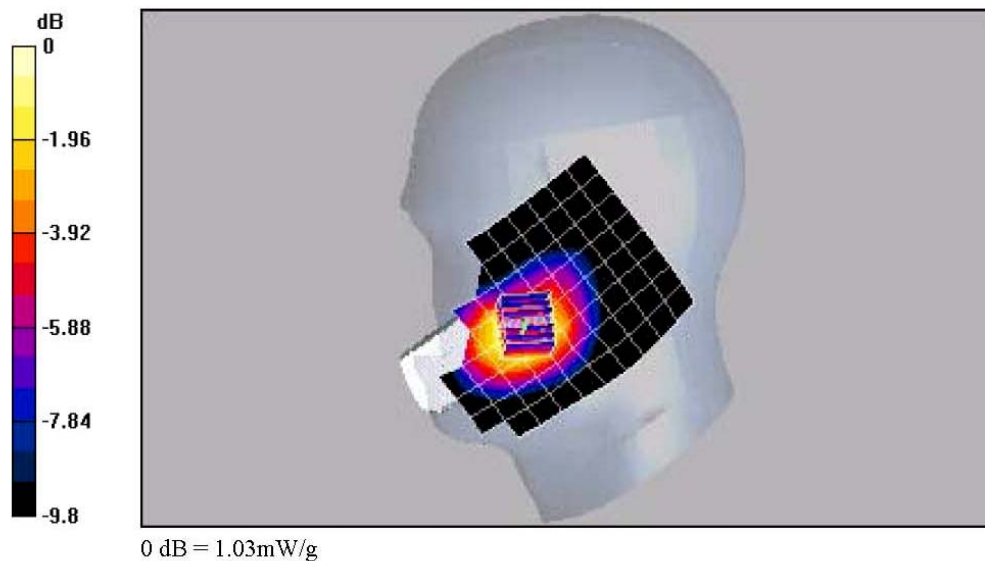
Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

CDMA-800 CH777 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.04 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.954 mW/g; SAR(10 g) = 0.642 mW/g



Date/Time: 04/18/05 12:37:19

Test Laboratory: Kyocera Wireless

KX9C #X41Q CDMA-800 ch383 Right Tilt Phone Open with Extended Battery

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

Medium: HSL900, Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.923$ mho/m; $\epsilon_r = 43.1$; $\rho = 1000$ kg/m³
Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1712, ConvF(6.25, 6.25, 6.25), Calibrated: 9/29/2004

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

Electronics: DAE3 Sn493, Calibrated: 11/24/2004

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 130

Temperature

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

CDMA-800 CH383 RT/Area Scan (13x10x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation!

Maximum value of SAR (measured) = 0.210 mW/g

CDMA-800 CH383 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

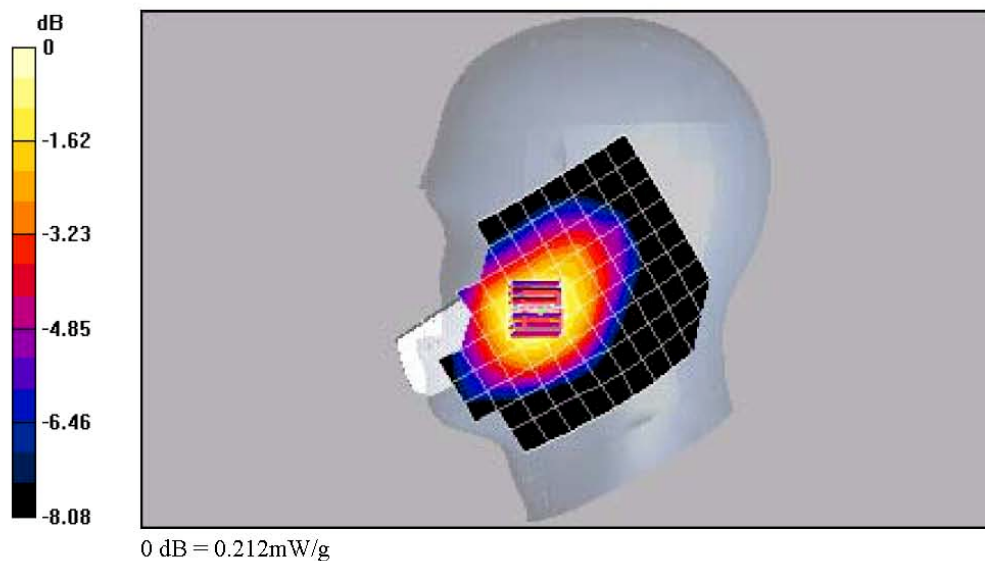
Reference Value = 8.42 V/m, Power Drift = -0.1 dB

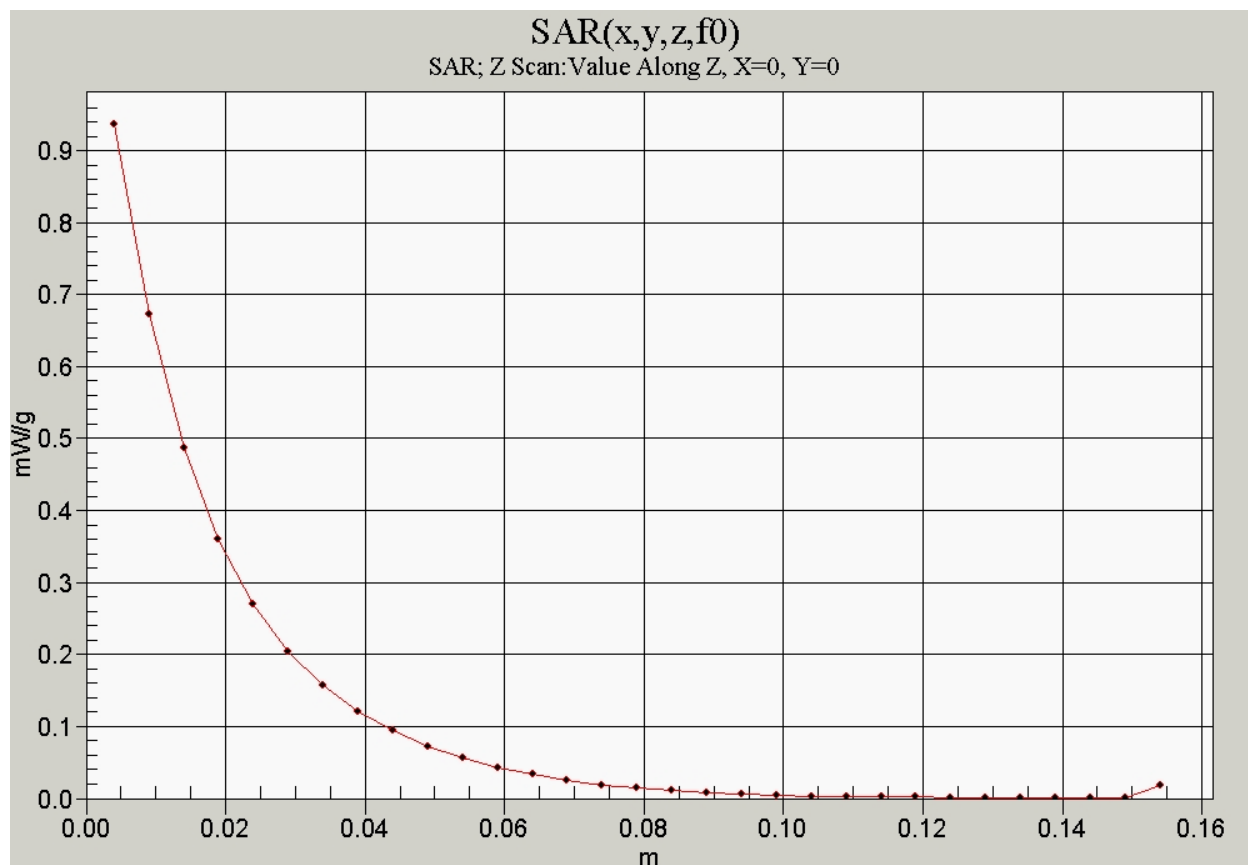
Peak SAR (extrapolated) = 0.259 W/kg

SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.151 mW/g

Info: Interpolated medium parameters used for SAR evaluation!

Maximum value of SAR (measured) = 0.212 mW/g





Date/Time: 04/14/05 18:00:40

Test Laboratory: Kyocera Wireless

KX9A #X39D CDMA-1900 ch600 Left Cheek Phone Open

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

Medium: HSL1900, Medium parameters used: $f = 1880$ MHz, $\sigma = 1.36$ mho/m; $\epsilon_r = 40.1$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1712, ConvF(5.21, 5.21, 5.21), Calibrated: 9/29/2004

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

Electronics: DAE3 Sn493, Calibrated: 11/24/2004

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 130

Temperature:

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

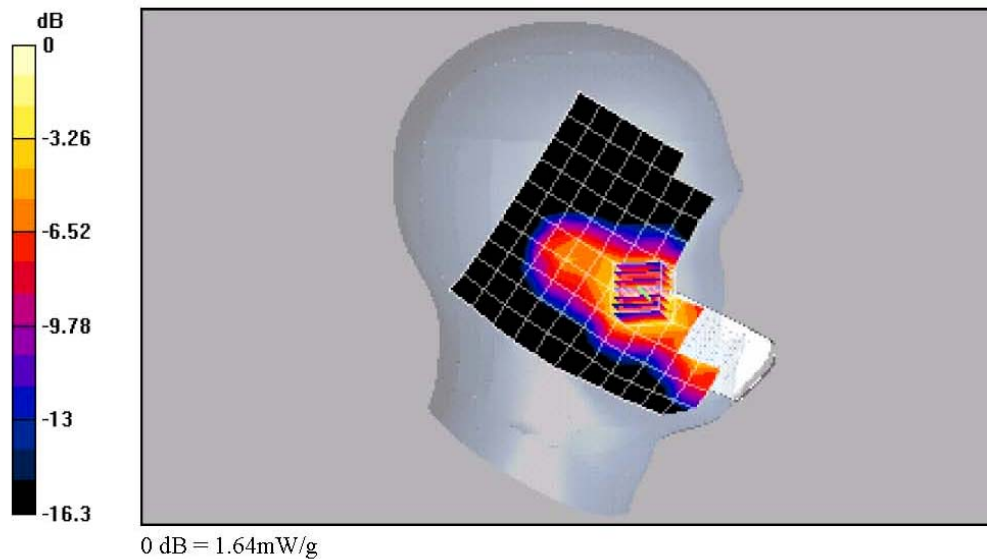
PCS CH 600 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.1 V/m; Power Dri ft = -0.0 dB

Peak SAR (extrapolated) = 2.32 W/kg

SAR(1 g) = 1.51 mW/g; SAR(10 g) = 0.886 mW/g

Maximum value of SAR (measured) = 1.64 mW/g



Date/Time: 04/14/05 18:00:40

Test Laboratory: Kyocera Wireless

KX9A #X39D CDMA-1900 ch600 Left Tilt Phone Open

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

Medium: HSL1900, Medium parameters used: $f = 1880$ MHz, $\sigma = 1.36$ mho/m; $\epsilon_r = 40.1$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1712, ConvF(5.21, 5.21, 5.21), Calibrated: 9/29/2004

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

Electronics: DAE3 Sn493, Calibrated: 11/24/2004

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 130

Temperature

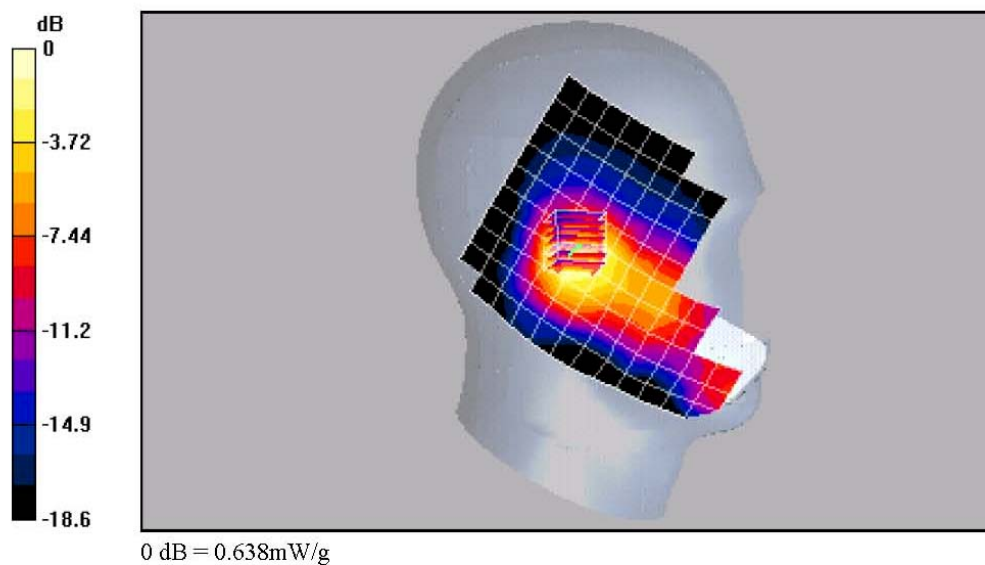
Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

PCS CH 600 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.9 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.834 W/kg

SAR(1 g) = 0.593 mW/g; SAR(10 g) = 0.367 mW/g



Date/Time: 04/14/05 15:17:01

Test Laboratory: Kyocera Wireless

KX9A #X39D CDMA-1900 ch600 Right Cheek Phone Open

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

Medium: HSL1900, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 39.3$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1712, ConvF(5.21, 5.21, 5.21), Calibrated: 9/29/2004

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

Electronics: DAE3 Sn493, Calibrated: 11/24/2004

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 130

Temperature

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

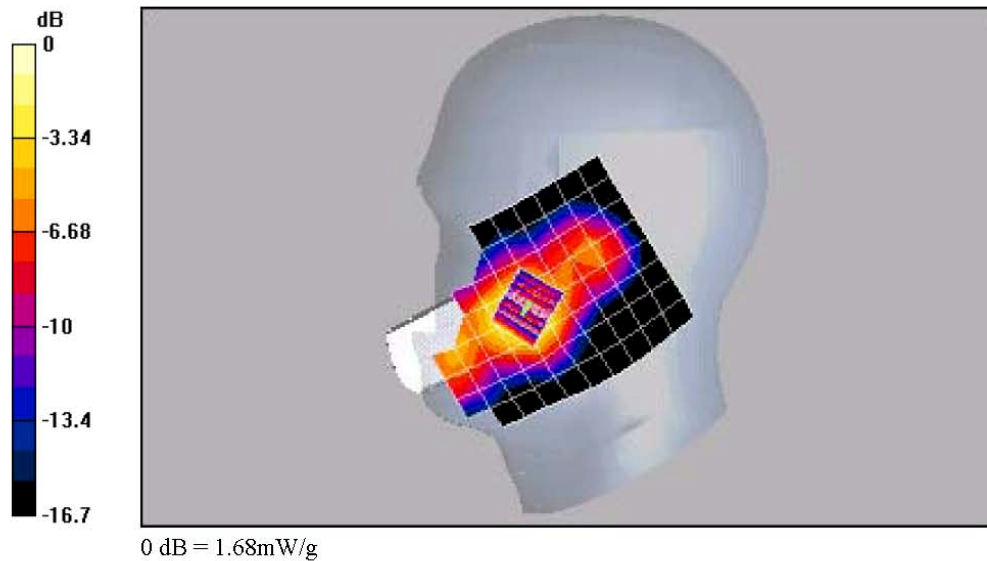
PCS CH 600 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.6 V/m, Power Drift = 0.003 dB

Peak SAR (extrapolated) = 2.38 W/kg

SAR(1 g) = 1.49 mW/g; SAR(10 g) = 0.869 mW/g

Maximum value of SAR (measured) = 1.68 mW/g



Date/Time: 04/15/05 21:10:55

Test Laboratory: Kyocera Wireless

KX9A #X39D CDMA-1900 ch600 Right Tilt Phone Open

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

Medium: HSL1900, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.36$ mho/m; $\epsilon_r = 40.1$; $\rho = 1000$ kg/m³
Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1712, ConvF(5.21, 5.21, 5.21), Calibrated: 9/29/2004

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

Electronics: DAE3 Sn493, Calibrated: 11/24/2004

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 130

Temperature

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

PCS CH 600 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.1 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 0.655 W/kg

SAR(1 g) = 0.474 mW/g; SAR(10 g) = 0.304 mW/g

Maximum value of SAR (measured) = 0.513 mW/g

