

Appendix B1:
SAR Distribution Plots (Head)

Test Laboratory: Kyocera-Wireless Corp.

K33BI-04 #6385 CDMA-800 Ch1013 Left Cheek

Communication System: CDMA-800, Frequency: 824.7 MHz, Duty Cycle: 1:1

Medium: HSL900, Medium parameters used (interpolated): $f = 824.7$ MHz; $\sigma = 0.891$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

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 Ch1013 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

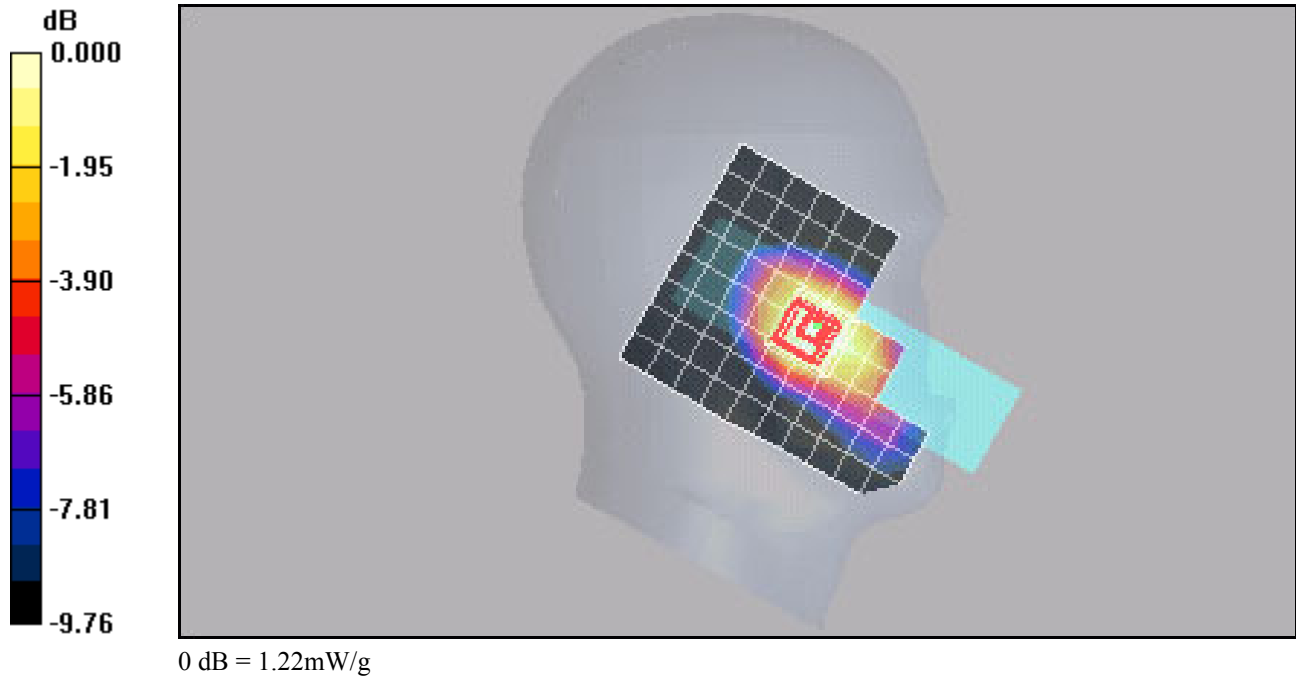
Reference Value = 7.79 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.803 mW/g

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

Maximum value of SAR (measured) = 1.22 mW/g



Test Laboratory: Kyocera-Wireless Corp.

K33BI-04 #6385 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; $\sigma = 0.891$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³
 Phantom: SAM 12, Phantom section: Left Section

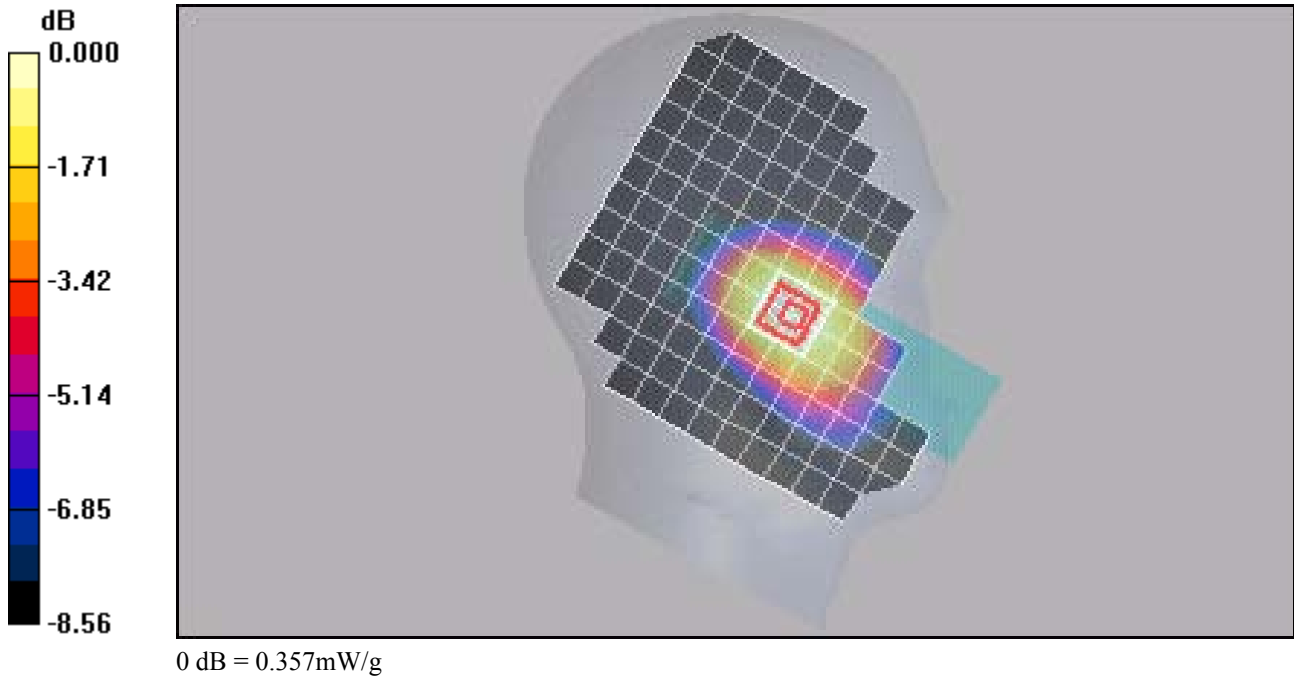
DASY4 Configuration:
 Probe: ET3DV6 - SN1664, ConvF(6.47, 6.47, 6.47), Calibrated: 6/23/2008
 Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
 Electronics: DAE4 Sn602, Calibrated: 6/25/2008
 Measurement SW: DASY4, V4.7 Build 71
 Postprocessing SW: SEMCAD, V1.8 Build 176

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 = 11.6 V/m; Power Drift = -0.190 dB
 Peak SAR (extrapolated) = 0.399 W/kg
SAR(1 g) = 0.339 mW/g; SAR(10 g) = 0.259 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)
 Maximum value of SAR (measured) = 0.357 mW/g



Test Laboratory: Kyocera-Wireless Corp.

K33BI-04 #6385 CDMA-800 Ch1013 Right Cheek

Communication System: CDMA-800, Frequency: 824.7 MHz, Duty Cycle: 1:1

Medium: HSL900, Medium parameters used (interpolated): $f = 824.7$ MHz; $\sigma = 0.891$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

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 Ch1013 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

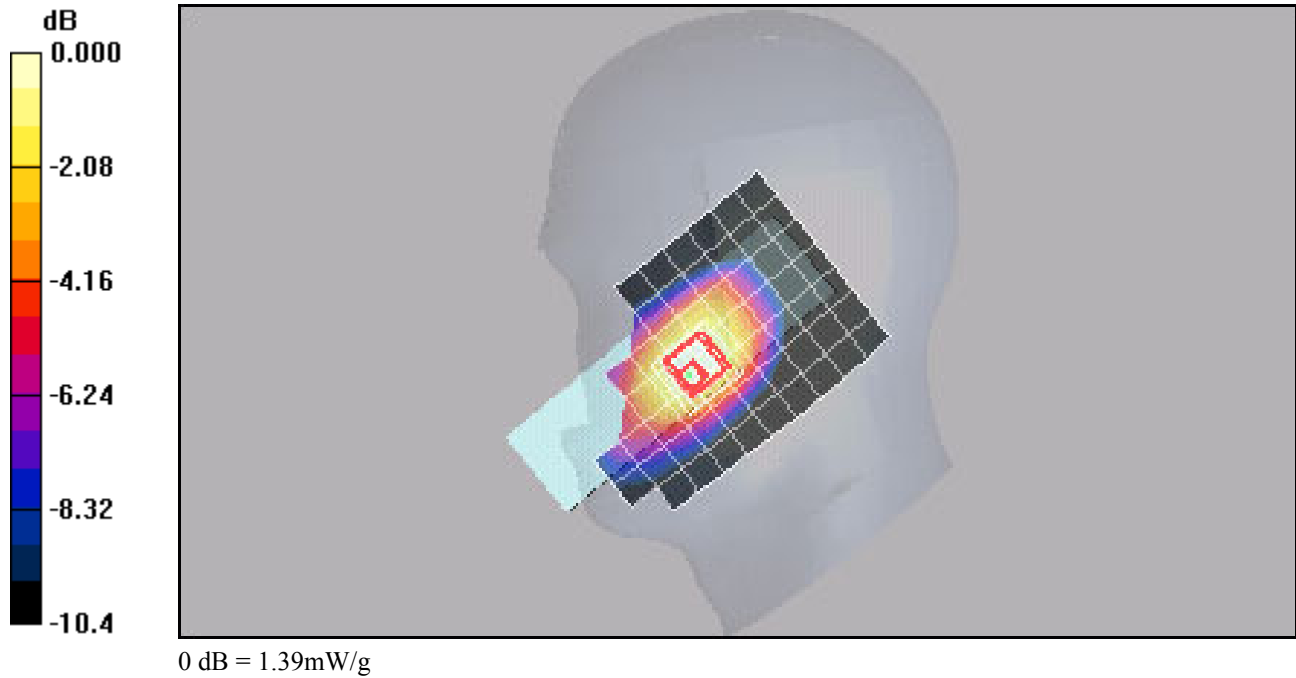
Reference Value = 7.53 V/m; Power Drift = -0.006 dB

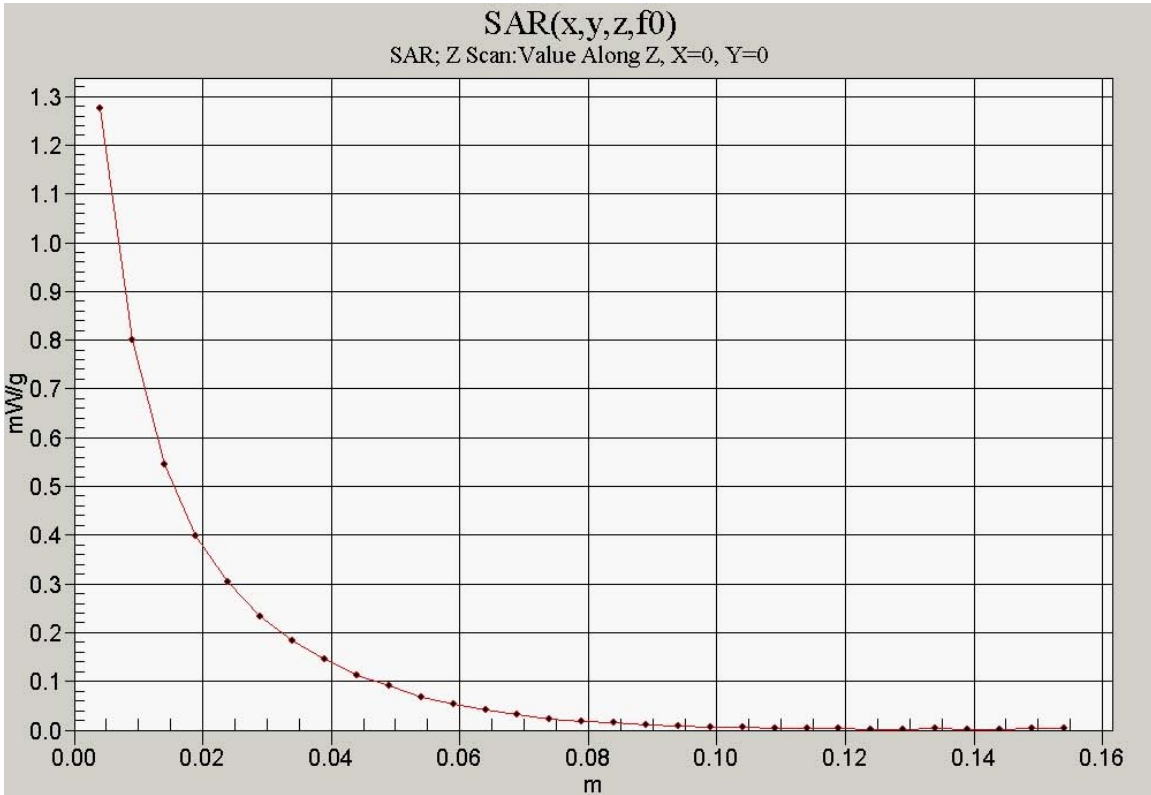
Peak SAR (extrapolated) = 2.20 W/kg

SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.842 mW/g

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

Maximum value of SAR (measured) = 1.39 mW/g





Test Laboratory: Kyocera-Wireless Corp.

K33BI-04 #6385 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; $\sigma = 0.891$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

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

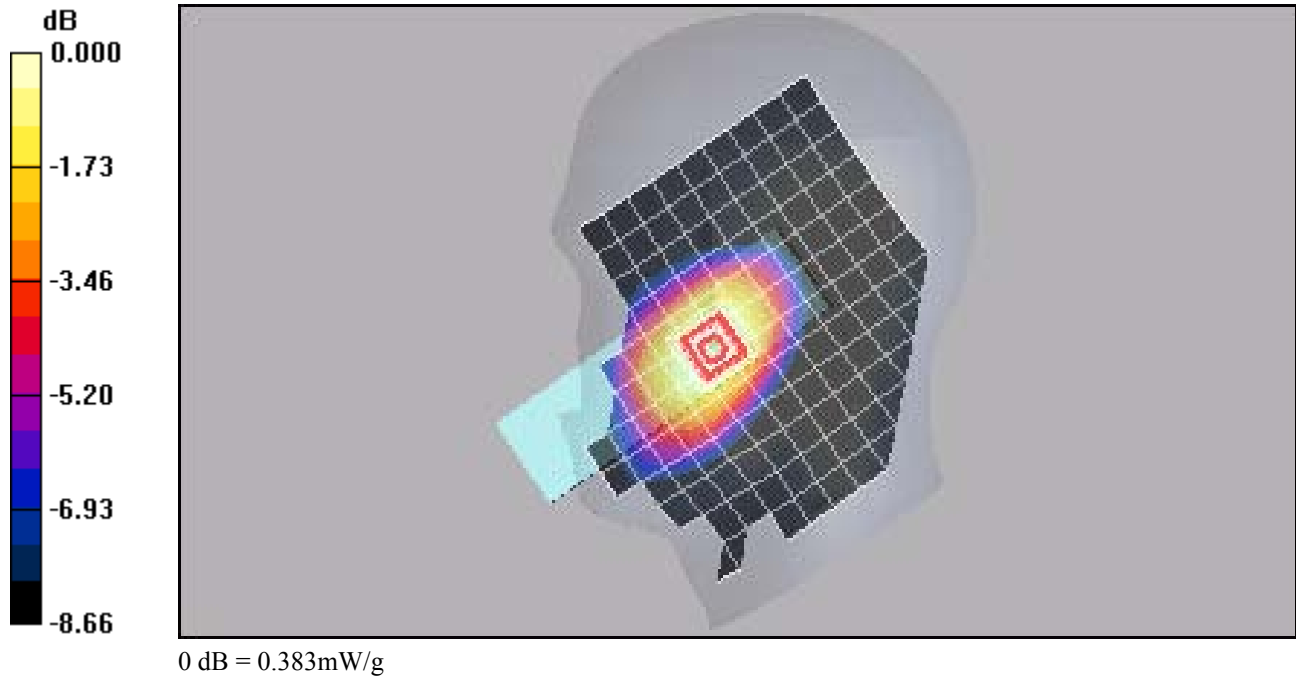
CDMA-800 Ch383 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.3 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 0.431 W/kg

SAR(1 g) = 0.364 mW/g; SAR(10 g) = 0.276 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.383 mW/g



Test Laboratory: Kyocera-Wireless Corp.

K33BI-04 #6385 CDMA-1700 Ch450 Left Cheek

Communication System: AWS 1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1
 Medium: HSL1700,Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³
 Phantom: SAM 12,Phantom section: Left 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

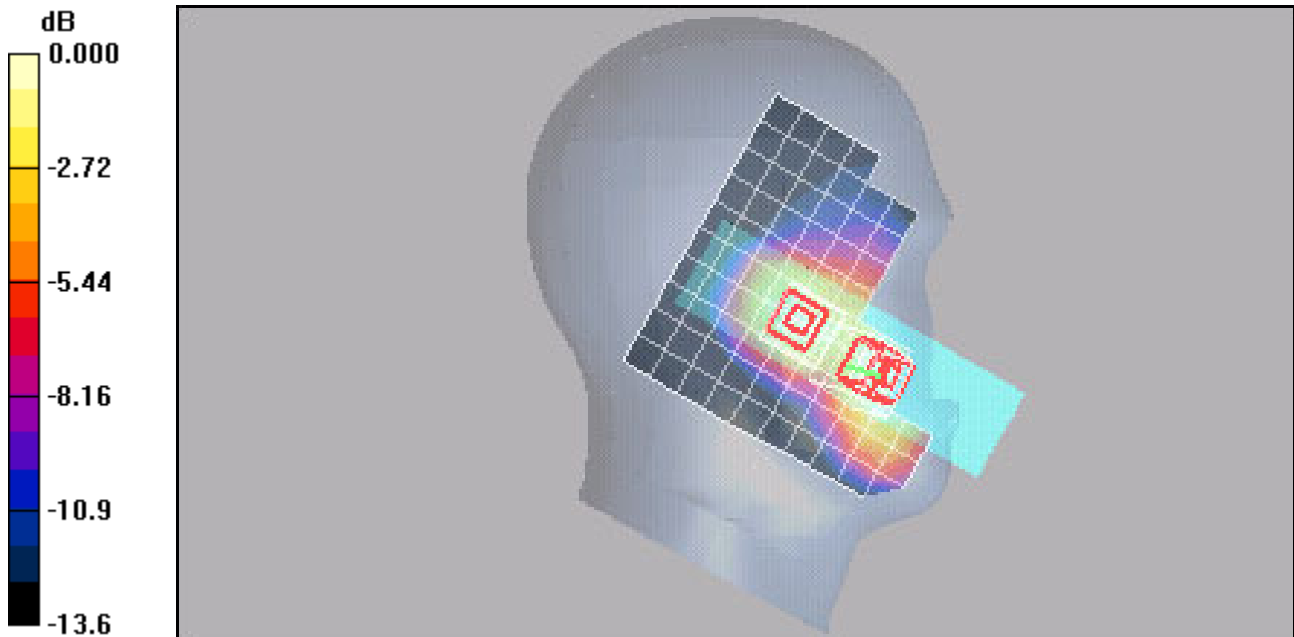
Temperature:
 Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

CDMA-1700 Ch450 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.26 V/m; Power Drift = 0.097 dB
 Peak SAR (extrapolated) = 0.522 W/kg
SAR(1 g) = 0.385 mW/g; SAR(10 g) = 0.256 mW/g
 Maximum value of SAR (measured) = 0.413 mW/g

CDMA-1700 Ch450 LC/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.26 V/m; Power Drift = 0.097 dB
 Peak SAR (extrapolated) = 0.452 W/kg
SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.188 mW/g
 Maximum value of SAR (measured) = 0.332 mW/g



Test Laboratory: Kyocera-Wireless Corp.

K33BI-04 #6385 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; $\sigma = 1.38$ mho/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left 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

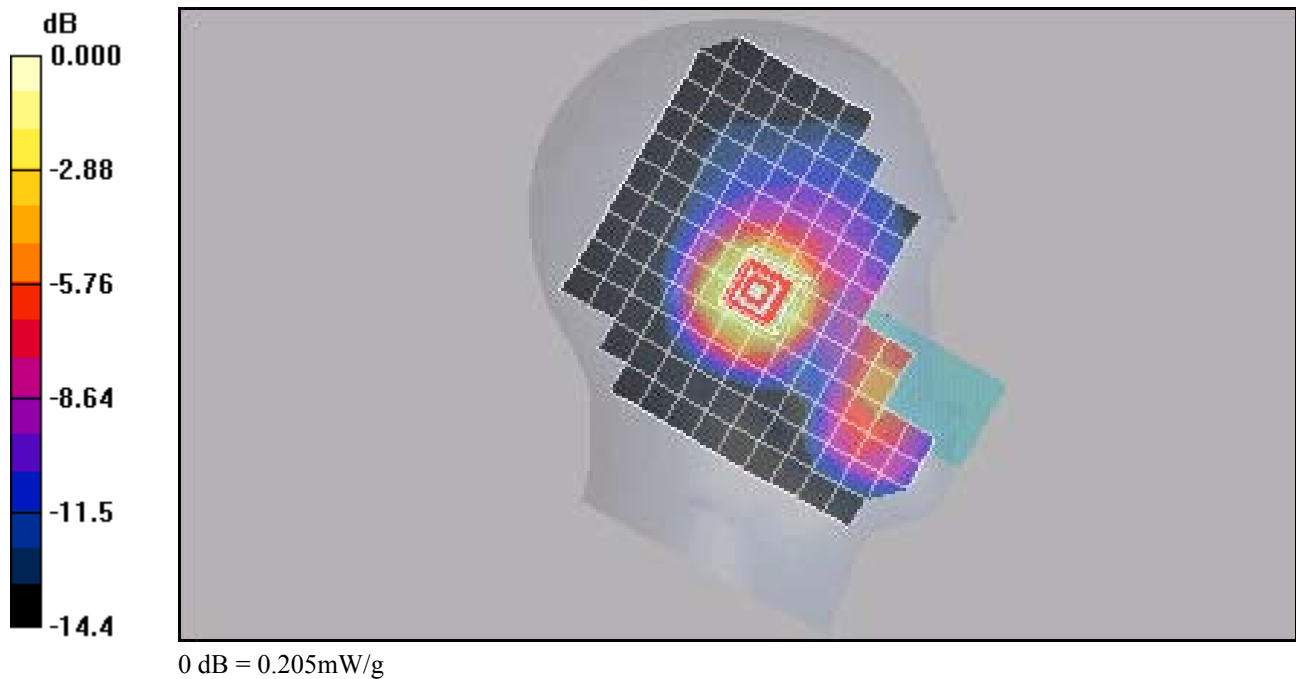
CDMA-1700 Ch450 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.17 V/m; Power Drift = 0.117 dB

Peak SAR (extrapolated) = 0.275 W/kg

SAR(1 g) = 0.191 mW/g; SAR(10 g) = 0.123 mW/g

Maximum value of SAR (measured) = 0.205 mW/g



Test Laboratory: Kyocera-Wireless Corp.

K33BI-04 #6385 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; $\sigma = 1.38$ mho/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³
 Phantom: SAM 12, Phantom section: Right 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

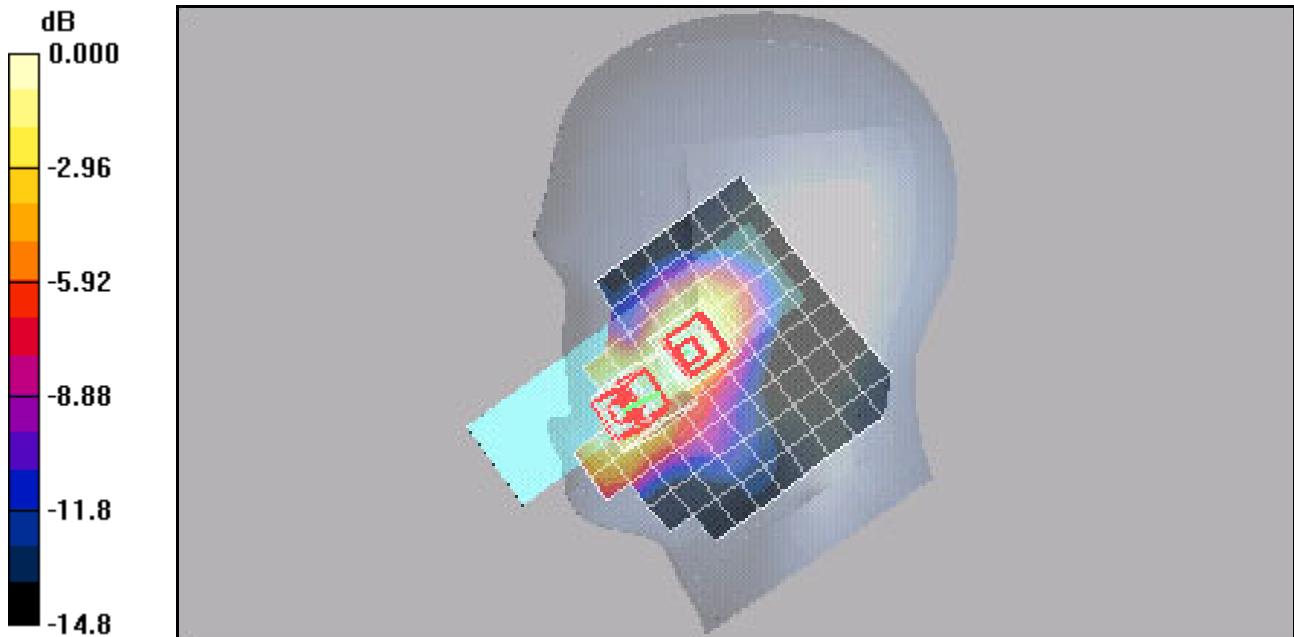
Temperature:
 Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

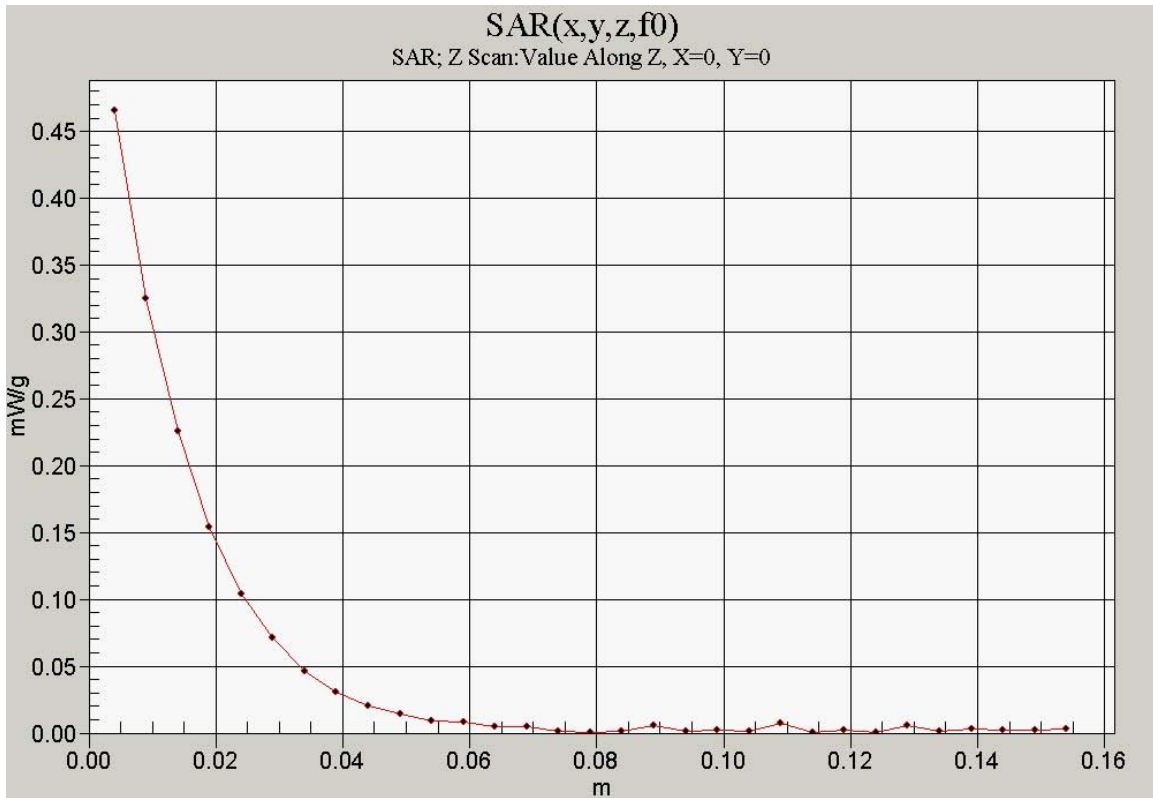
CDMA-1700 Ch450 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.25 V/m; Power Drift = 0.152 dB
 Peak SAR (extrapolated) = 0.668 W/kg
SAR(1 g) = 0.470 mW/g; SAR(10 g) = 0.303 mW/g
 Maximum value of SAR (measured) = 0.506 mW/g

CDMA-1700 Ch450 RC/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.25 V/m; Power Drift = 0.152 dB
 Peak SAR (extrapolated) = 0.578 W/kg
SAR(1 g) = 0.378 mW/g; SAR(10 g) = 0.229 mW/g
 Maximum value of SAR (measured) = 0.420 mW/g





Test Laboratory: Kyocera-Wireless Corp.

K33BI-04 #6385 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; $\sigma = 1.38$ mho/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right 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

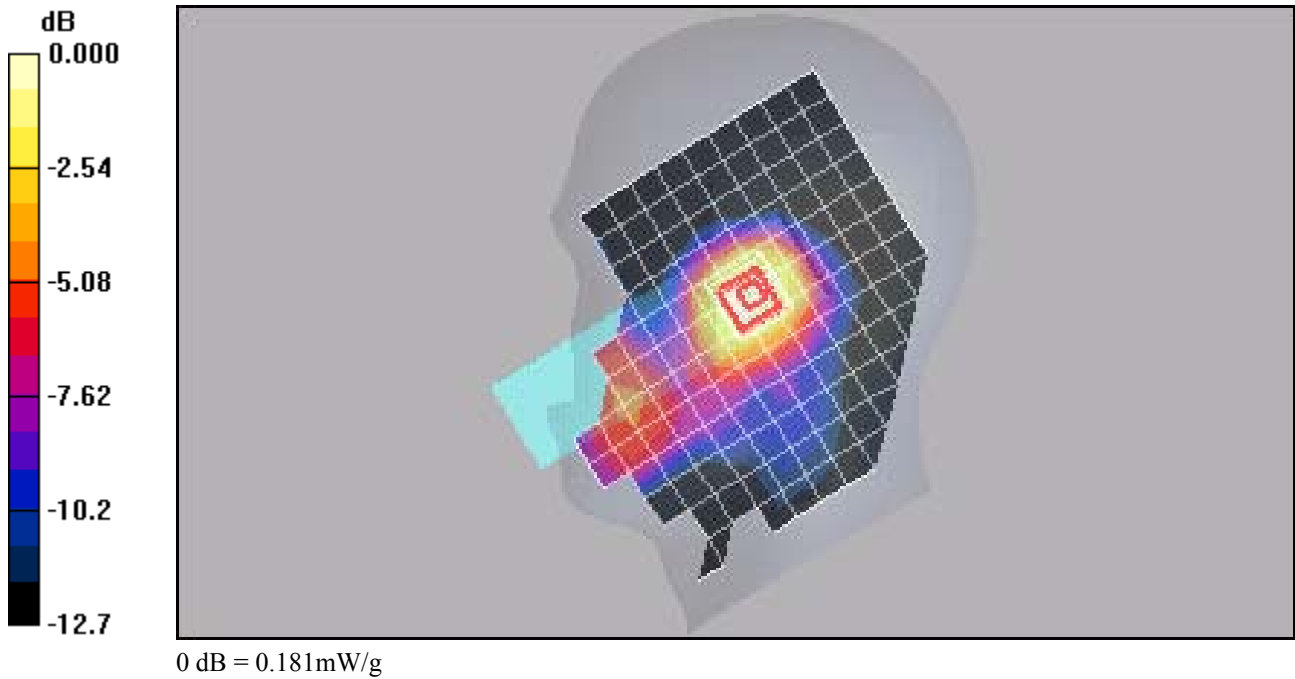
CDMA-1700 Ch450 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.02 V/m; Power Drift = -0.111 dB

Peak SAR (extrapolated) = 0.243 W/kg

SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.108 mW/g

Maximum value of SAR (measured) = 0.181 mW/g



Test Laboratory: Kyocera-Wireless Corp.

K33BI-04 #6385 CDMA-1700 Flat (HEAD)

Communication System: AWS 1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1

Medium: HSL1700, Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ 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

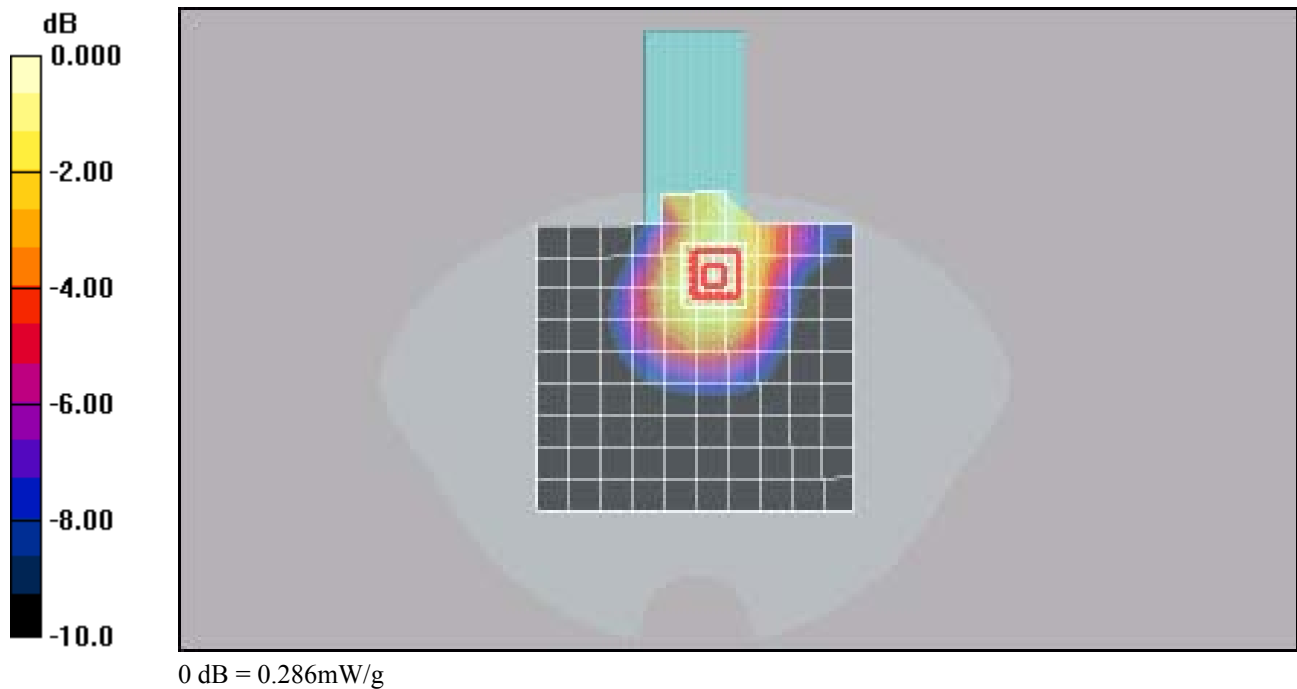
CDMA-1700 Ch450 Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.7 V/m; Power Drift = -0.172 dB

Peak SAR (extrapolated) = 0.416 W/kg

SAR(1 g) = 0.265 mW/g; SAR(10 g) = 0.168 mW/g

Maximum value of SAR (measured) = 0.286 mW/g



Test Laboratory: Kyocera-Wireless Corp.

K33BI-04 #6385 CDMA-1900 Ch600 Left Cheek

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

Medium: HSL1900, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

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

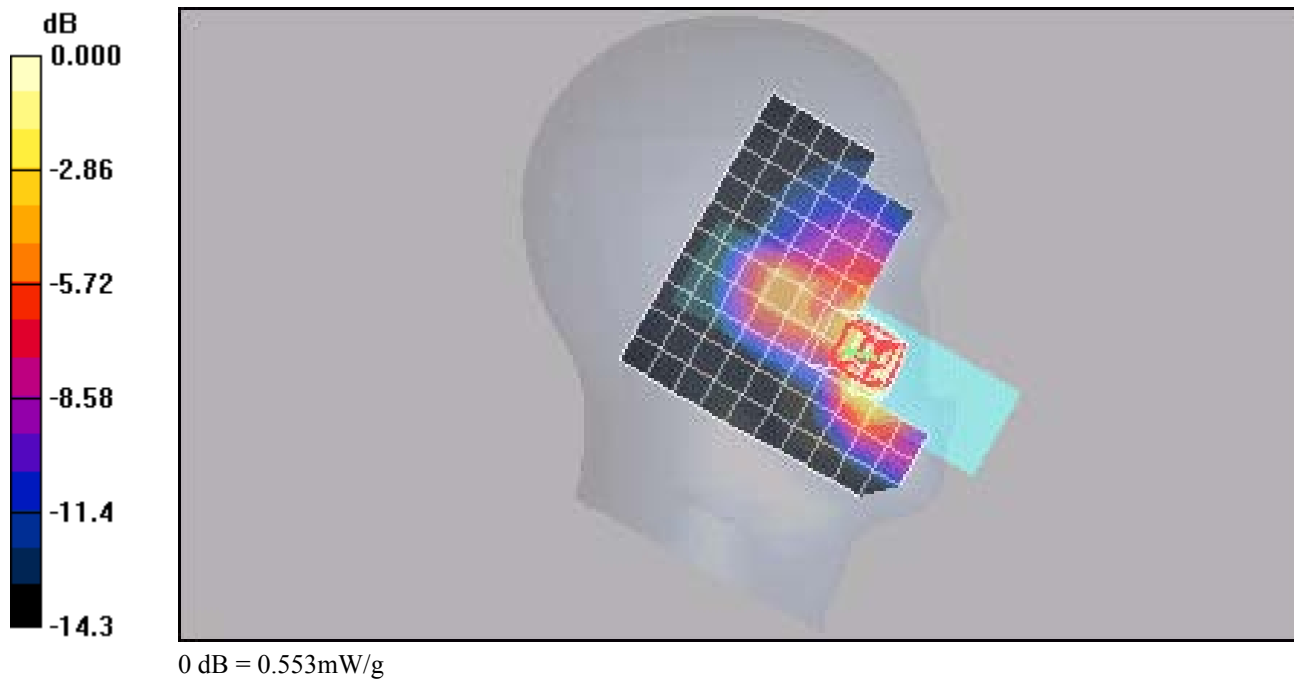
CDMA-1900 Ch600 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.77 V/m; Power Drift = -0.129 dB

Peak SAR (extrapolated) = 0.721 W/kg

SAR(1 g) = 0.512 mW/g; SAR(10 g) = 0.336 mW/g

Maximum value of SAR (measured) = 0.553 mW/g



Test Laboratory: Kyocera-Wireless Corp.

K33BI-04 #6385 CDMA-1900 Ch600 Left Tilt

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

Medium: HSL1900, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

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

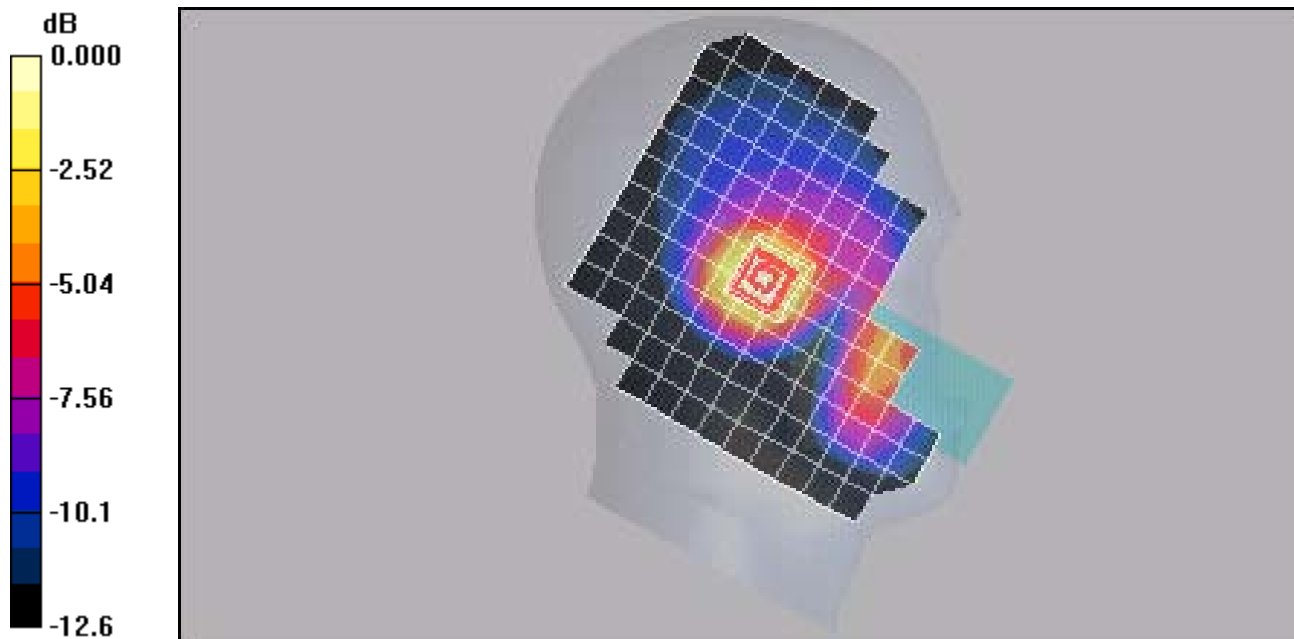
CDMA-1900 Ch600 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.1 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 0.307 W/kg

SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.130 mW/g

Maximum value of SAR (measured) = 0.224 mW/g



0 dB = 0.224mW/g

Test Laboratory: Kyocera-Wireless Corp.

K33BI-04 #6385 CDMA-1900 Ch600 Right Cheek

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: HSL1800, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³
Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

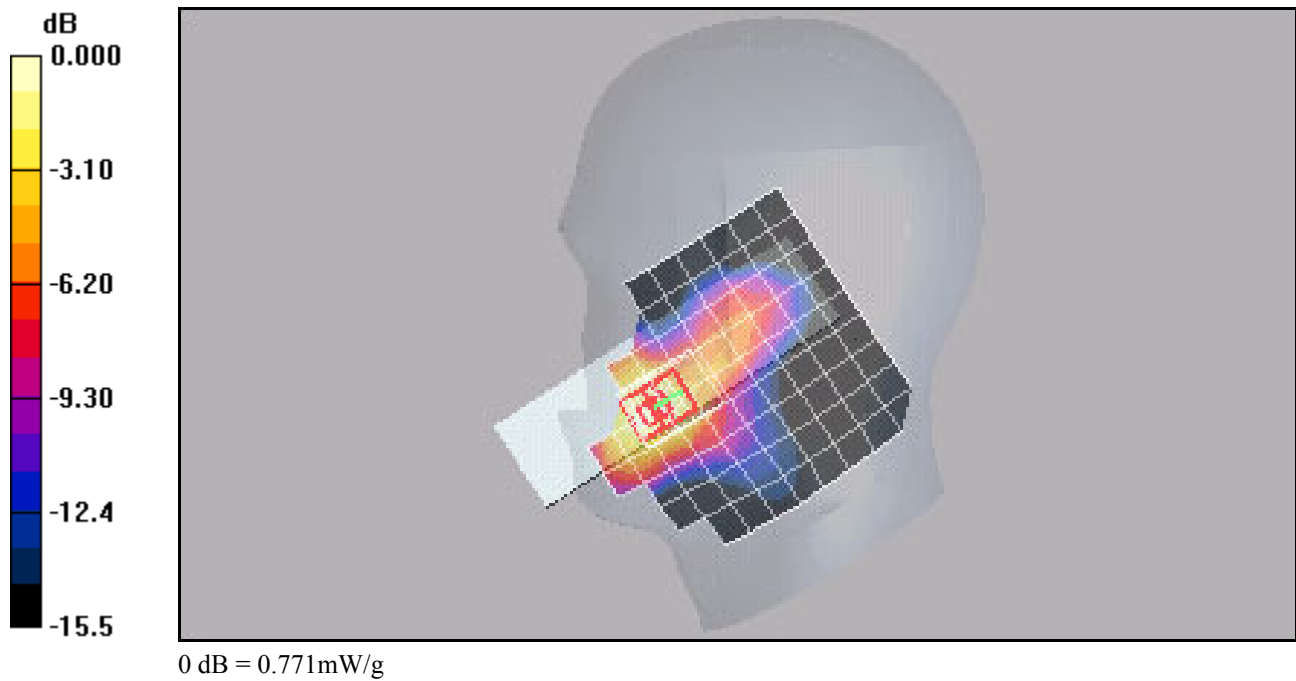
Probe: ET3DV6 - SN1664, ConvF(5.08, 5.08, 5.08), Calibrated: 6/23/2008
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE4 Sn602, Calibrated: 6/25/2008
Measurement SW: DASY4, V4.7 Build 71
Postprocessing SW: SEMCAD, V1.8 Build 176

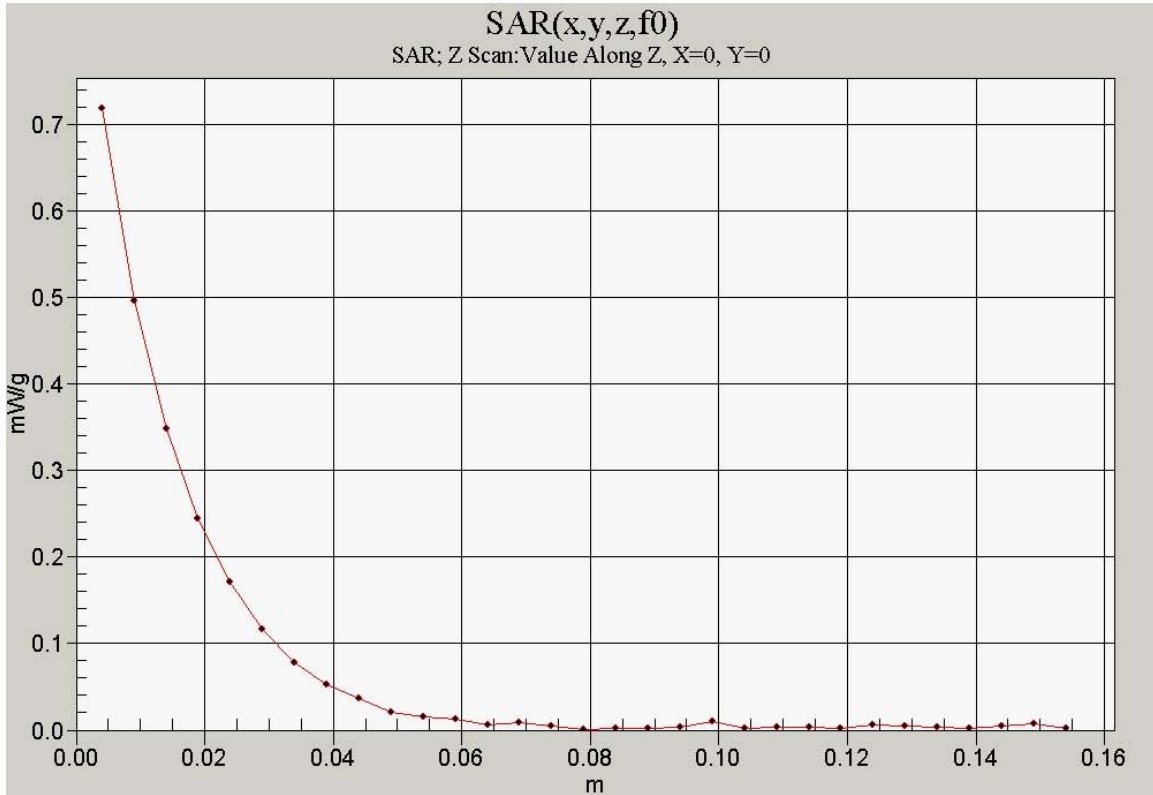
Temperature:

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

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

Reference Value = 5.77 V/m; Power Drift = -0.050 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.711 mW/g; SAR(10 g) = 0.449 mW/g
Maximum value of SAR (measured) = 0.771 mW/g





Test Laboratory: Kyocera-Wireless Corp.

K33BI-04 #6385 CDMA-1900 Ch600 Right Tilt

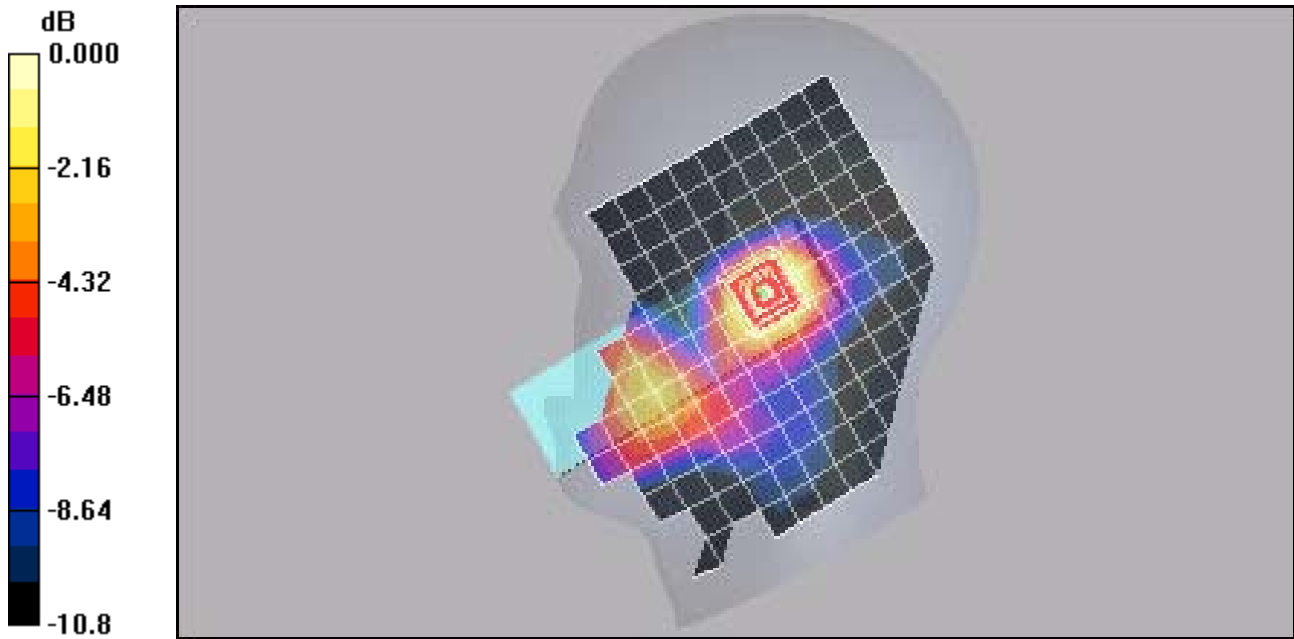
Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: HSL1800,Medium parameters used: $f = 1880$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³
Phantom: SAM 12,Phantom section: Right Section

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 = 9.80 V/m; Power Drift = -0.012 dB
Peak SAR (extrapolated) = 0.241 W/kg
SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.103 mW/g
Maximum value of SAR (measured) = 0.178 mW/g



0 dB = 0.178mW/g

Test Laboratory: Kyocera-Wireless Corp.

K33BI-04 #6385 CDMA-1900 Flat (HEAD)

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

Medium: HSL1900, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat 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 Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.0 V/m; Power Drift = -0.186 dB

Peak SAR (extrapolated) = 0.671 W/kg

SAR(1 g) = 0.399 mW/g; SAR(10 g) = 0.249 mW/g

Maximum value of SAR (measured) = 0.435 mW/g

