

**Appendix B-2
K430 Family - PCS Gray Rave**

For

FCC ID: OVFKWC-K4X3

Section 1

CDMA 1900

Date/Time: 06/03/04 12:01:50

Test Laboratory: Kyocera

K433L #B812 PCS ch1175 Left Cheek

Communication System: CDMA 1900, Frequency: 1909 MHz, Duty Cycle: 1:1

Medium: Head 1900 MHz, Medium parameters used (interpolated): $f = 1909$ MHz, $\sigma = 1.41$ mho/m, $\epsilon_r = 39.4$, $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1712, ConvF(5.3, 5.3, 5.3), Calibrated: 9/19/2003

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

Electronics: DAE3 Ss530, Calibrated: 12/22/2003

Measurement SW: DASY4, V4.2 Build 44

Postprocessing SW: SEMCAD, V1.8 Build 112

Temperature

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

PCS ch1175 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

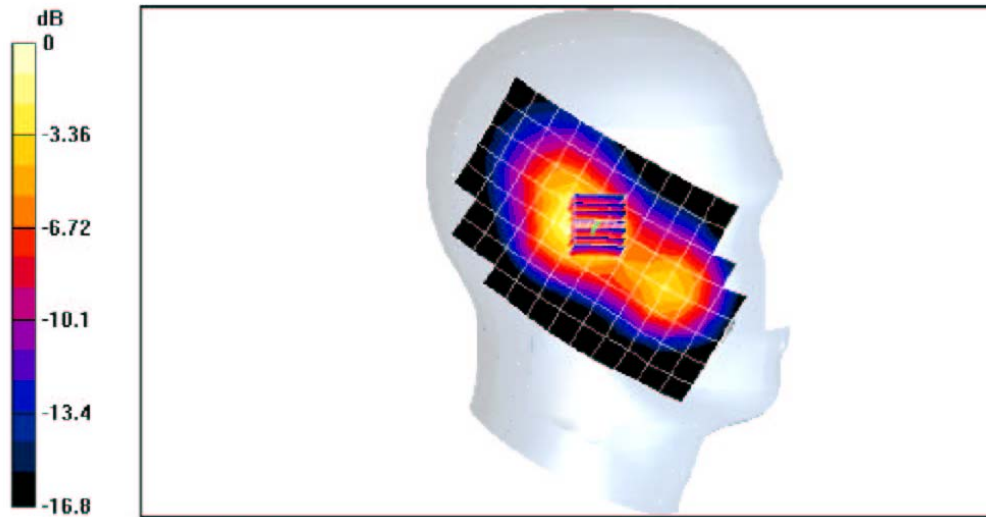
Reference Value = 28.2 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 1.18 mW/g

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.617 mW/g

Info: Interpolated medium parameters used for SAR evaluation!



0 dB = 1.18mW/g

Date/Time: 06/03/04 12:01:56

Test Laboratory: Kyocera

K433L #B812 PCS ch1175 Right Cheek

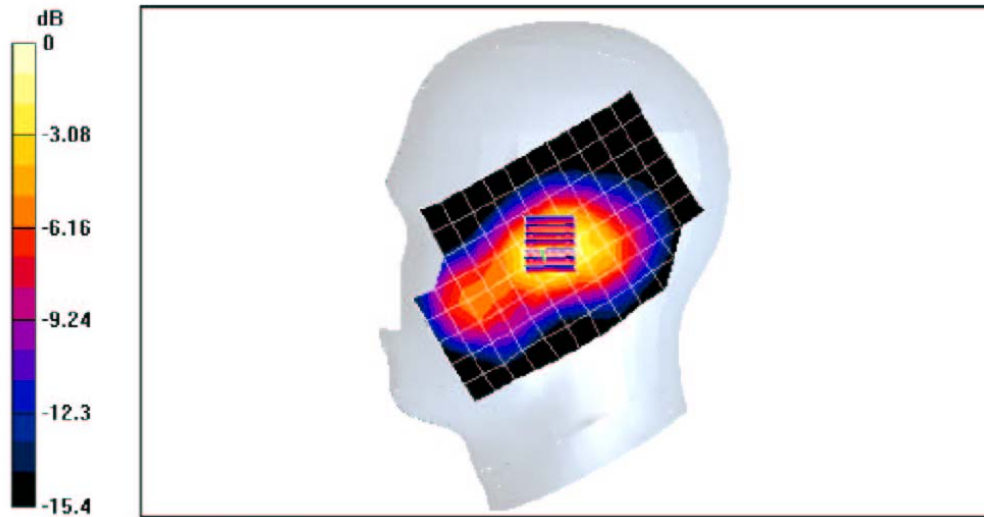
Communication System: CDMA 1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1
 Medium: Head 1900 MHz, Medium parameters used (interpolated): $f = 1908.75$ MHz, $\sigma = 1.41$ mho/m, $\epsilon_r = 39.4$, $\rho = 1000$ kg/m³
 Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:
 Probe: ET3DV6 - SN1712, ConvF(5.3, 5.3, 5.3), Calibrated: 9/19/2003
 Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
 Electronics: DAE3 Ss530, Calibrated: 12/22/2003
 Measurement SW: DASY4, V4.2 Build 44
 Postprocessing SW: SEMCAD, V1.8 Build 112

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

PCS ch1175 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
 Reference Value = 25.3 V/m; Power Drift = -0.1 dB
 Maximum value of SAR (measured) = 1.05 mW/g
 Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.964 mW/g; SAR(10 g) = 0.579 mW/g

Info: Interpolated medium parameters used for SAR evaluation!



0 dB = 1.05mW/g

Date/Time: 06/03/04 12:01:56

Test Laboratory: Kyocera

K433L #B812 PCS ch25 Right Tilt

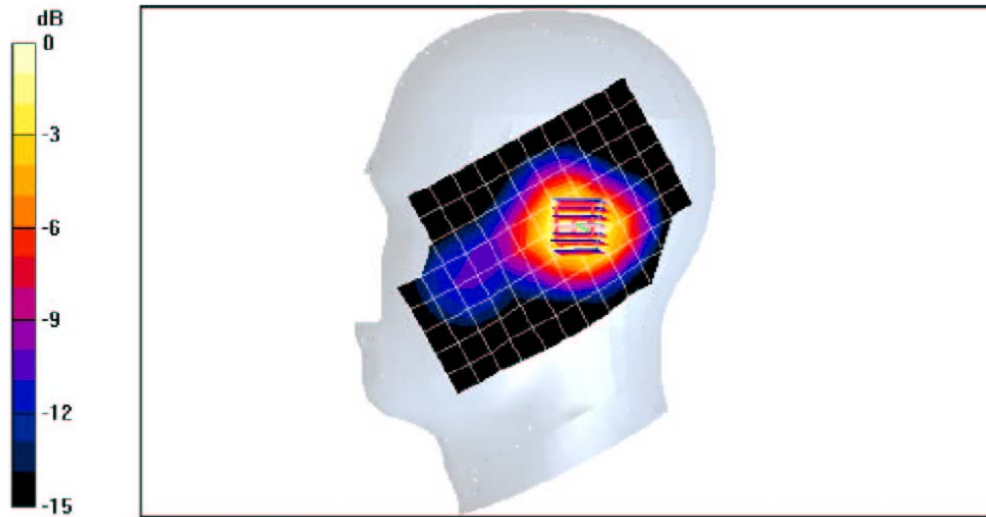
Communication System: CDMA 1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1
 Medium: Head 1900 MHz, Medium parameters used (interpolated): $f = 1851.25 \text{ MHz}$, $\sigma = 1.41 \text{ mho/m}$, $\epsilon_r = 39.4$, $\rho = 1000 \text{ kg/m}^3$
 Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:
 Probe: ET3DV6 - SN1712, ConvF(5.3, 5.3, 5.3), Calibrated: 9/19/2003
 Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
 Electronics: DAE3 Ss530, Calibrated: 12/22/2003
 Measurement SW: DASY4, V4.2 Build 44
 Postprocessing SW: SEMCAD, V1.8 Build 112

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

PCS ch25 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 26.8 V/m; Power Drift = -0.2 dB
 Maximum value of SAR (measured) = 0.992 mW/g
 Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.914 mW/g; SAR(10 g) = 0.562 mW/g

Info: Interpolated medium parameters used for SAR evaluation!



Date/Time: 06/15/04 07:08:08

Test Laboratory: Kyocera

K433L #B812 PCS ch600 Flat with 22.5mm Air Space and Backpack Clip

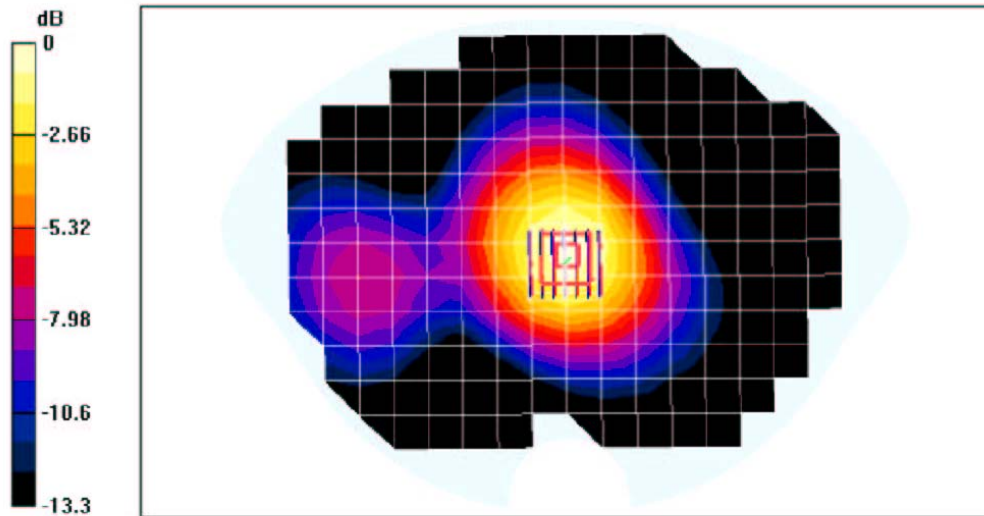
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: M1800, Medium parameters used: $f = 1880$ MHz, $\sigma = 1.57$ mho/m, $\epsilon_r = 52$, $\rho = 1000$ kg/m³
Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1712, ConvF(5, 5, 5), Calibrated: Probe not calibrated
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn530, Calibrated: 12/22/2003
Measurement SW: DASY4, V4.2 Build 44
Postprocessing SW: SEMCAD, V1.8 Build 112

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

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

Reference Value = 15.2 V/m; Power Drift = -0.1 dB
Maximum value of SAR (measured) = 0.321 mW/g
Peak SAR (extrapolated) = 0.479 W/kg
SAR(1 g) = 0.302 mW/g; SAR(10 g) = 0.193 mW/g



0 dB = 0.321mW/g

Date/Time: 06/15/04 02:58:53

Test Laboratory: Kyocera

K433L #B812 PCS ch600 Flat with 22.5mm Air Space

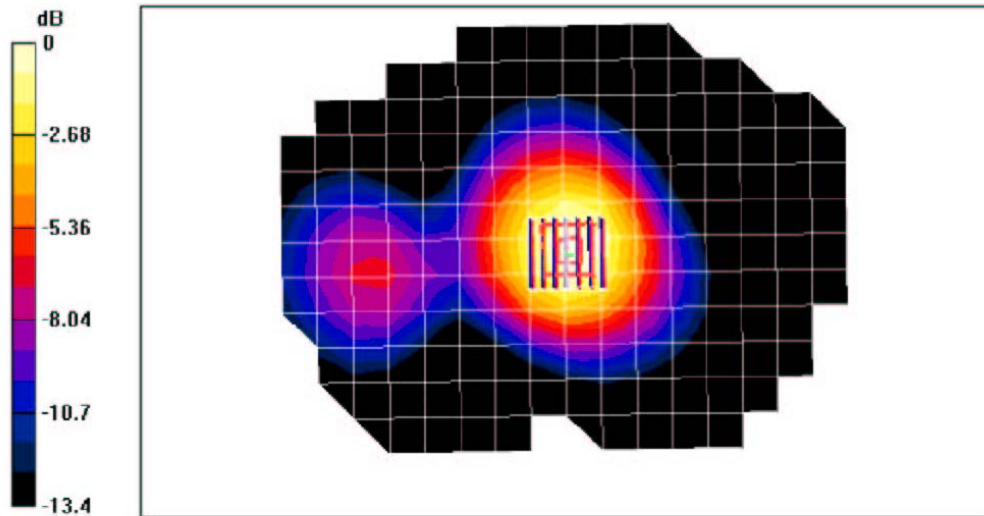
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
 Medium: M1800, Medium parameters used: $f = 1880$ MHz, $\sigma = 1.57$ mho/m, $\epsilon_r = 52$, $\rho = 1000$ kg/m³
 Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
 Probe: ET3DV6 - SN1712, ConvF(5, 5, 5), Calibrated: Probe not calibrated
 Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
 Electronics: DAE3 Sa530, Calibrated: 12/22/2003
 Measurement SW: DASY4, V4.2 Build 44
 Postprocessing SW: SEMCAD, V1.8 Build 112

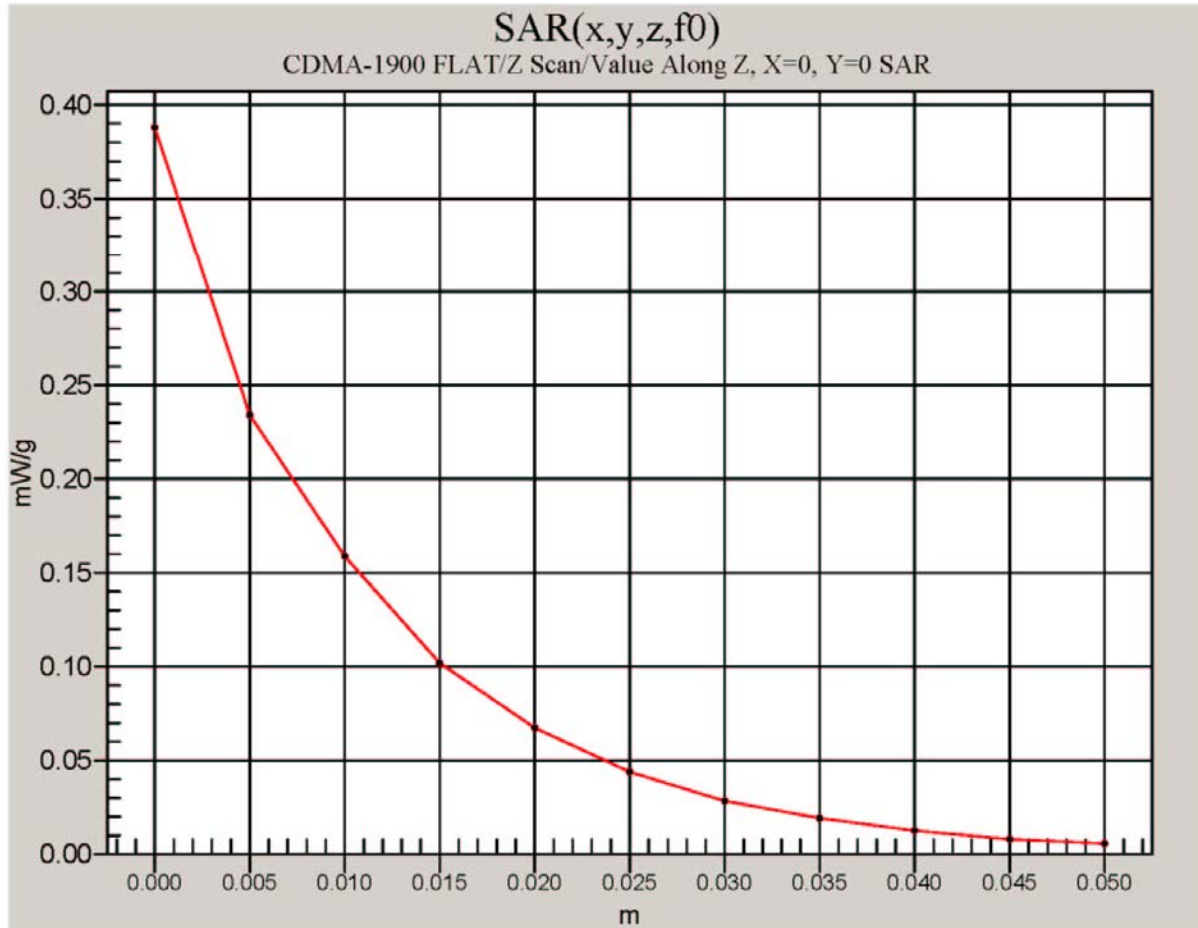
Temperature
 Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

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

Reference Value = 17.7 V/m; Power Drift = -0.1 dB
 Maximum value of SAR (measured) = 0.445 mW/g
 Peak SAR (extrapolated) = 0.664 W/kg
 SAR(1 g) = 0.419 mW/g; SAR(10 g) = 0.266 mW/g



0 dB = 0.445mW/g



Date/Time: 06/15/04 07:51:33

Test Laboratory: Kyocera

K433L #B812 PCS ch600 Flat with Belt Clip and Backpack Clip

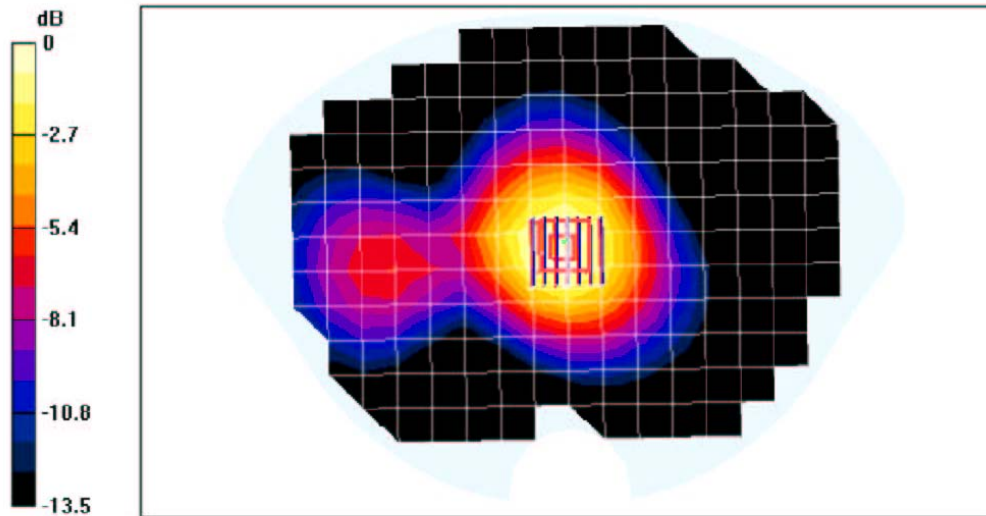
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
 Medium: M1800, Medium parameters used: $f = 1880$ MHz, $\sigma = 1.57$ mho/m, $\epsilon_r = 52$, $\rho = 1000$ kg/m³
 Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
 Probe: ET3DV6 - SN1712, ConvF(5, 5, 5), Calibrated: Probe not calibrated
 Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
 Electronics: DAE3 Sn530, Calibrated: 12/22/2003
 Measurement SW: DASY4, V4.2 Build 44
 Postprocessing SW: SEMCAD, V1.8 Build 112

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

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

Reference Value = 17 V/m, Power Drift = -0.26 dB
 Maximum value of SAR (measured) = 0.380 mW/g
 Peak SAR (extrapolated) = 0.571 W/kg
 SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.226 mW/g



0 dB = 0.380mW/g

Date/Time: 06/15/04 04:07:32

Test Laboratory: Kyocera

K433L #B812 PCS ch600 Flat with Belt Clip

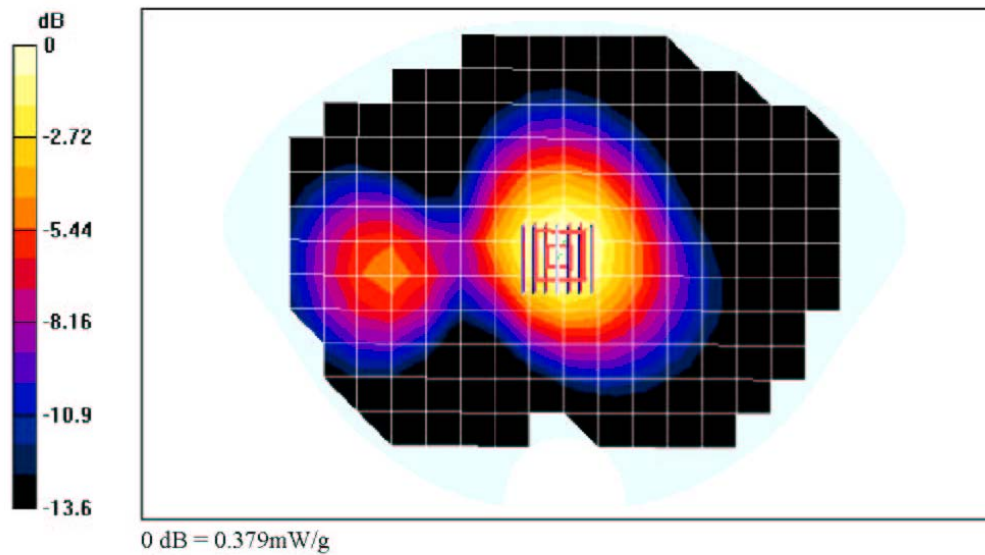
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: M1800, Medium parameters used: $f = 1880$ MHz, $\sigma = 1.57$ mho/m, $\epsilon_r = 52$, $\rho = 1000$ kg/m³
Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1712, ConvF(5, 5, 5), Calibrated: Probe not calibrated
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
Sensor-Surface: 0mm (Fix Surface)
Electronics: DAE3 Sn530, Calibrated: 12/22/2003
Measurement SW: DASY4, V4.2 Build 44
Postprocessing SW: SEMCAD, V1.8 Build 112

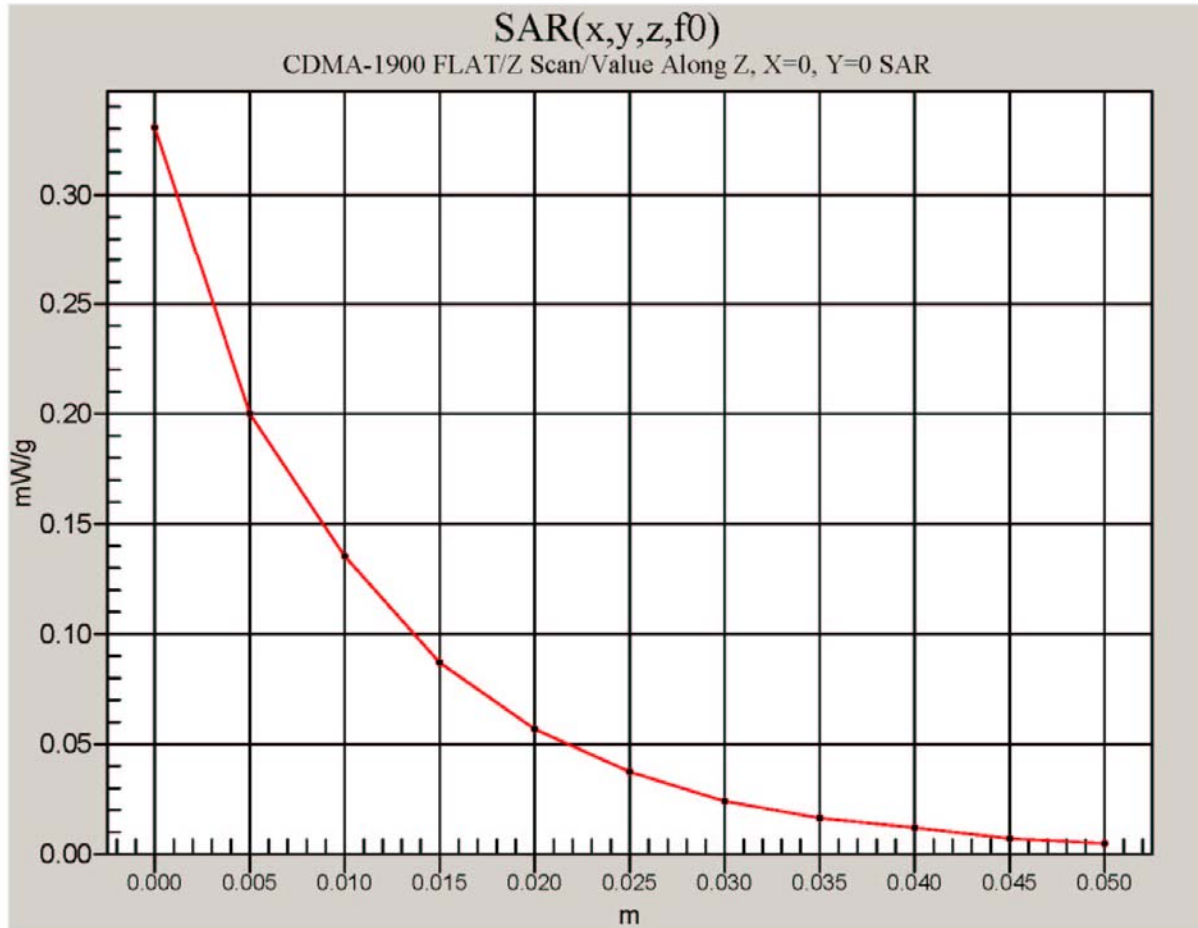
Temperature
Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

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

Reference Value = 16.7 V/m, Power Dn ft = -0.2 dB
Maximum value of SAR (measured) = 0.379 mW/g
Peak SAR (extrapolated) = 0.569 W/kg
SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.226 mW/g



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Date/Time: 06/15/04 08:31:46

Test Laboratory: Kyocera

K433L #B812 PCS ch600 Flat with Leather Case and Backpack Clip

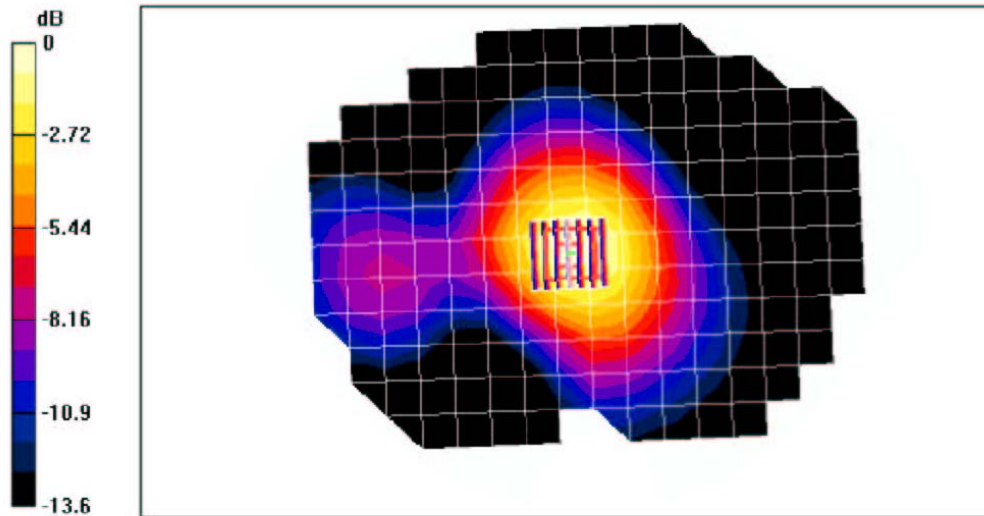
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
 Medium: M1800, Medium parameters used: $f = 1880$ MHz, $\sigma = 1.57$ mho/m, $\epsilon_r = 52$, $\rho = 1000$ kg/m³
 Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
 Probe: ET3DV6 - SN1712, ConvF(5, 5, 5), Calibrated: Probe not calibrated
 Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
 Electronics: DAE3 Sn530, Calibrated: 12/22/2003
 Measurement SW: DASY4, V4.2 Build 44
 Postprocessing SW: SEMCAD, V1.8 Build 112

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

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

Reference Value = 14.5 V/m; Power Drift = -0.1 dB
 Maximum value of SAR (measured) = 0.315 mW/g
 Peak SAR (extrapolated) = 0.481 W/kg
 SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.184 mW/g



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Date/Time: 06/15/04 04:54:53

Test Laboratory: Kyocera

K433L #B812 PCS ch600 Flat with Leather Case

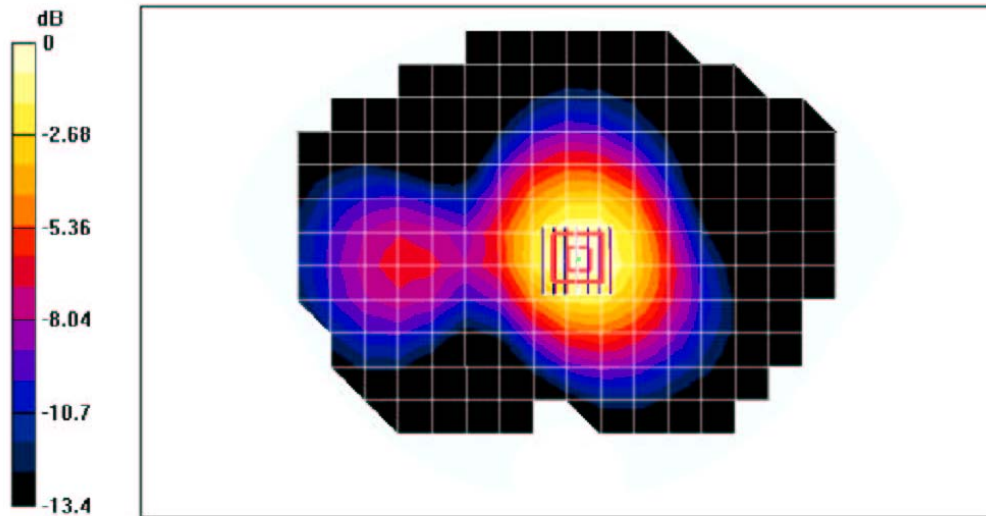
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: M1800, Medium parameters used: $f = 1880$ MHz, $\sigma = 1.57$ mho/m, $\epsilon_r = 52$, $\rho = 1000$ kg/m³
Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1712, ConvF(5, 5, 5), Calibrated: Probe not calibrated
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sa530, Calibrated: 12/22/2003
Measurement SW: DASY4, V4.2 Build 44
Postprocessing SW: SEMCAD, V1.8 Build 112

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

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

Reference Value = 15.5 V/m; Power Drift = -0.27 dB
Maximum value of SAR (measured) = 0.336 mW/g
Peak SAR (extrapolated) = 0.510 W/kg
SAR(1 g) = 0.312 mW/g; SAR(10 g) = 0.196 mW/g



0 dB = 0.336mW/g

Date/Time: 06/03/04 12:10:20

Test Laboratory: Kyocera

K433L #B812 PCS ch600 Left Tilt with Backpack Clip

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

Medium: Head 1900 MHz, Medium parameters used: $f = 1880$ MHz, $\sigma = 1.41$ mho/m, $\epsilon_r = 39.4$, $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1712, ConvF(5.3, 5.3, 5.3), Calibrated: 9/19/2003

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

Electronics: DAE3 Sa530, Calibrated: 12/22/2003

Measurement SW: DASY4, V4.2 Build 44

Postprocessing SW: SEMCAD, V1.8 Build 112

Temperature

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

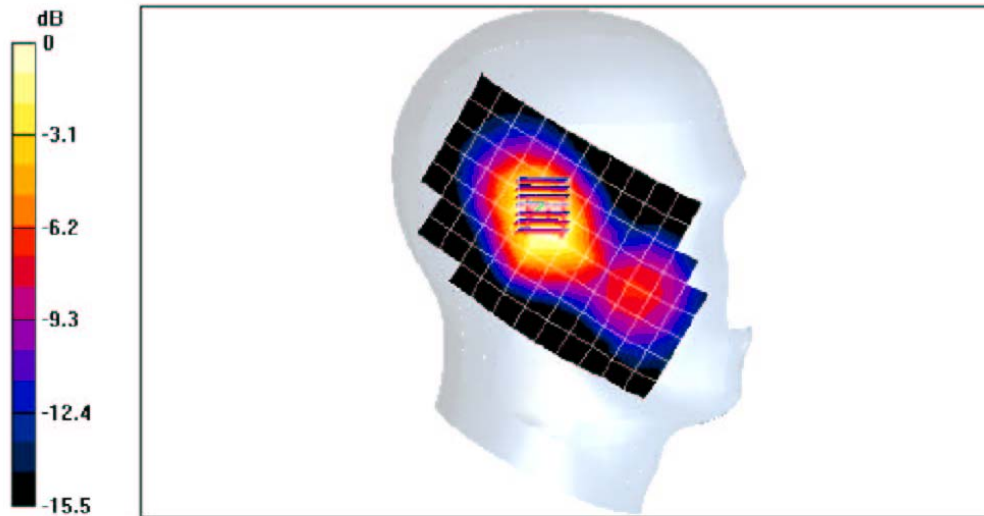
PCS ch600 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.8 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.985 mW/g

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.910 mW/g; SAR(10 g) = 0.563 mW/g



0 dB = 0.985mW/g

Date/Time: 06/03/04 12:01:50

Test Laboratory: Kyocera

K433L #B812 PCS ch600 Left Tilt

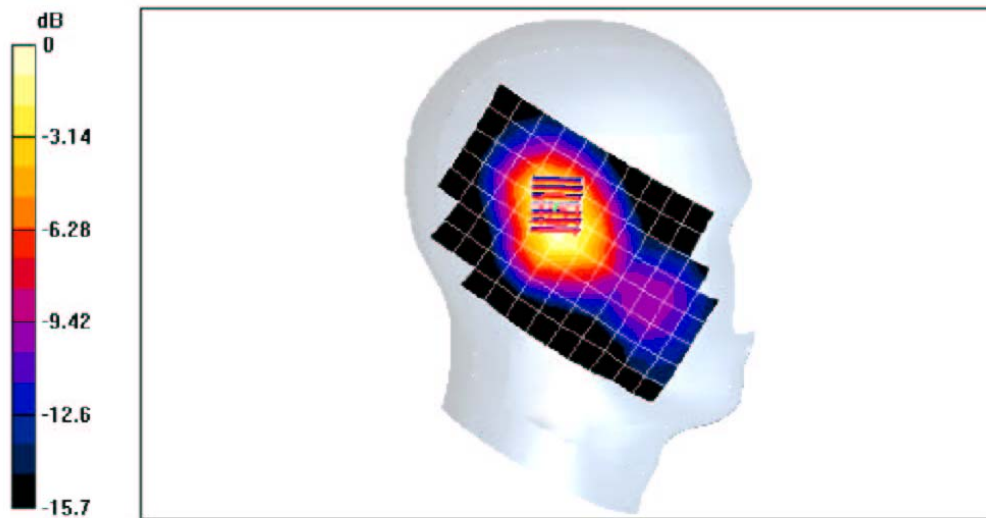
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
 Medium: Head 1900 MHz, Medium parameters used: $f = 1880 \text{ MHz}$, $\sigma = 1.41 \text{ mho/m}$, $\epsilon_r = 39.4$, $\rho = 1000 \text{ kg/m}^3$
 Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:
 Probe: ET3DV6 - SN1712, ConvF(5.3, 5.3, 5.3), Calibrated: 9/19/2003
 Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
 Electronics: DAE3 Sa530, Calibrated: 12/22/2003
 Measurement SW: DASY4, V4.2 Build 44
 Postprocessing SW: SEMCAD, V1.8 Build 112

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

PCS ch600 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.5 V/m; Power Drift = -0.0 dB
 Maximum value of SAR (measured) = 1.2 mW/g
 Peak SAR (extrapolated) = 1.77 W/kg
 SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.684 mW/g



0 dB = 1.2mW/g