

**Appendix B-1
K430 Family - PCS Color Rave**

For

FCC ID: OVFKWC-K4X3

Section 1

CDMA 1900

Date/Time: 06/03/04 15:46:34

Test Laboratory: Kyocera

K433LC #B79M PCS ch1175 Left Cheek with Backpack Clip

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

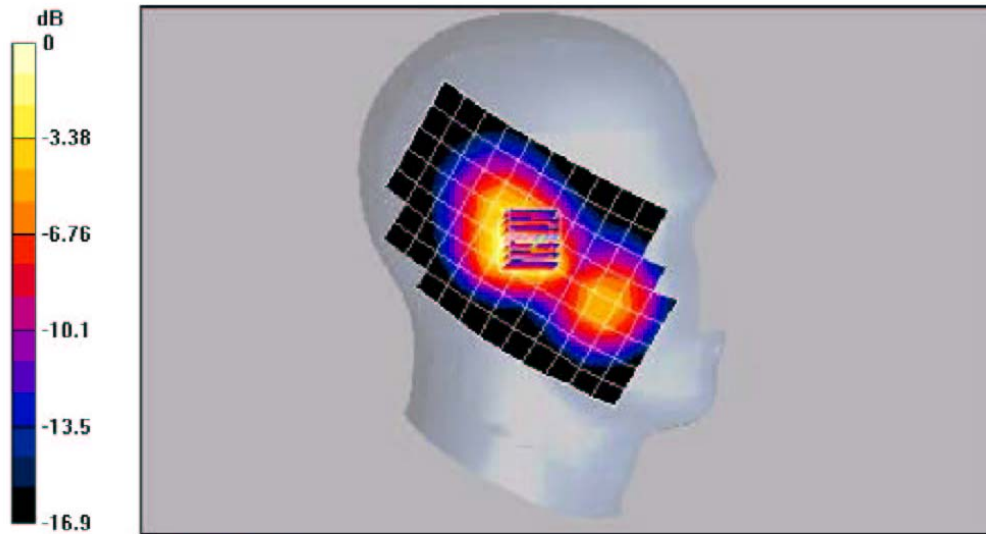
Reference Value = 28.4 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 1.25 mW/g

Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.653 mW/g

Info: Interpolated medium parameters used for SAR evaluation!



0 dB = 1.25mW/g

Date/Time: 06/03/04 12:46:57

Test Laboratory: Kyocera

K433LC #B79M PCS ch1175 Left Cheek

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

Medium: Head 1900 MHz, Medium parameters used (interpolated): $f = 1909 \text{ MHz}$, $\sigma = 1.41 \text{ mho/m}$, $\epsilon_r = 39.4$, $\rho = 1000 \text{ kg/m}^3$

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

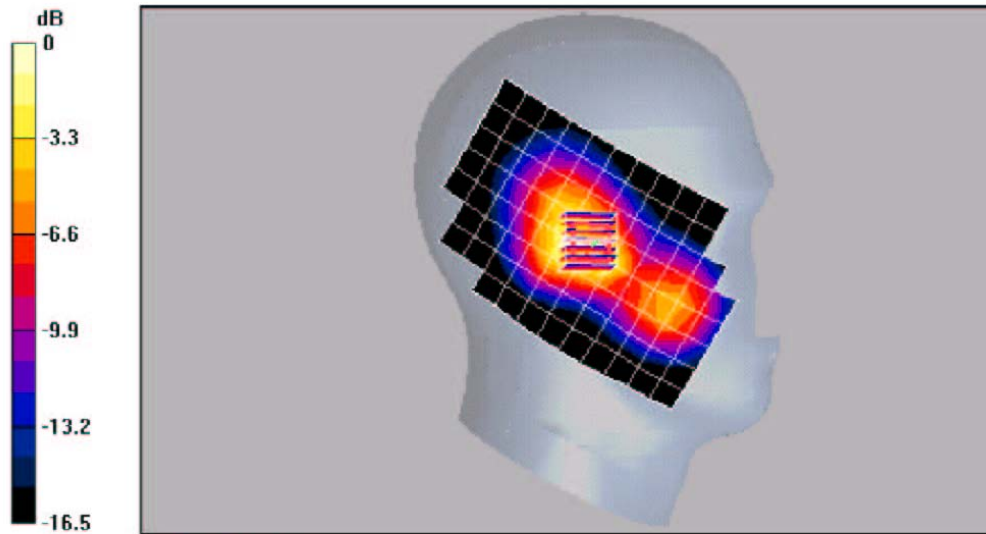
Reference Value = 27.8 V/m, Power Drift = -0.1 dB

Maximum value of SAR (measured) = 1.21 mW/g

Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.632 mW/g

Info: Interpolated medium parameters used for SAR evaluation!



0 dB = 1.21mW/g

Date/Time: 06/03/04 15:44:39

Test Laboratory: Kyocera

K433LC #B79M PCS ch1175 Right Cheek

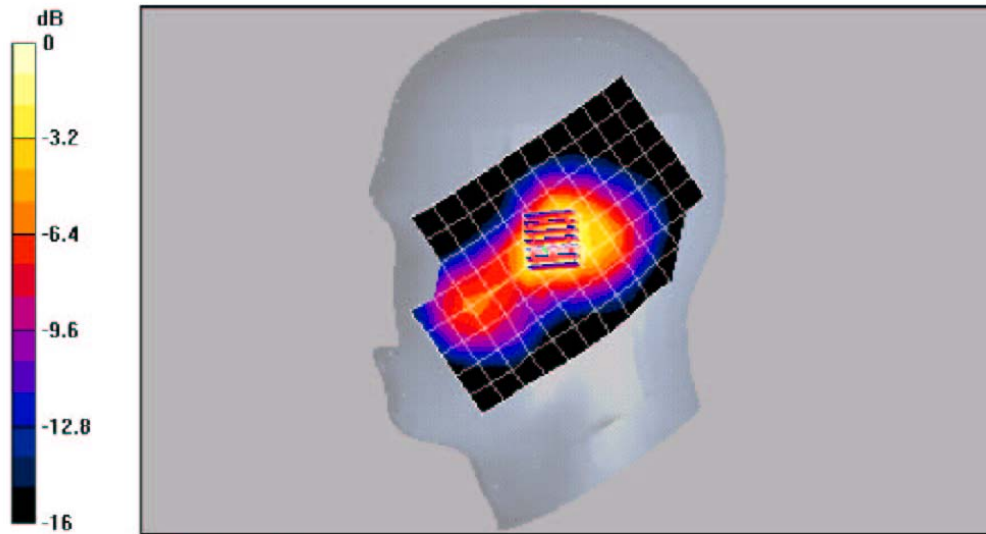
Communication System: CDMA 1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1
 Medium: Head 1900 MHz, Medium parameters used (interpolated): $f = 1908.75 \text{ MHz}$, $\sigma = 1.41 \text{ mho/m}$, $\epsilon_r = 39.4$, $\rho = 1000 \text{ kg/m}^3$
 Phantom: SAM 12, Phantom section: Right Section

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 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 ch1175 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 26.1 V/m; Power Drift = -0.0 dB
 Maximum value of SAR (measured) = 1.16 mW/g
 Peak SAR (extrapolated) = 1.71 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.605 mW/g

Info: Interpolated medium parameters used for SAR evaluation!



0 dB = 1.16mW/g

Date/Time: 06/14/04 23:29:52

Test Laboratory: Kyocera

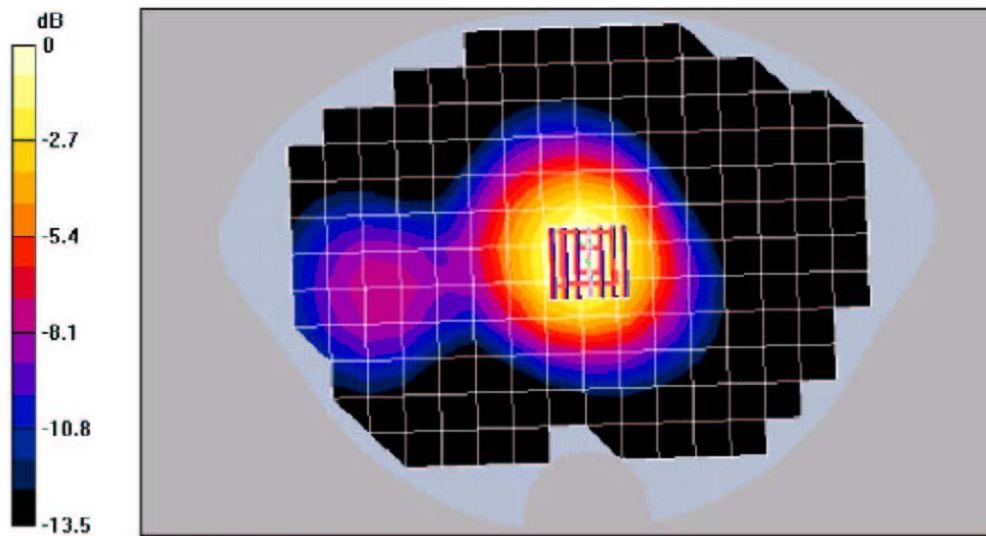
K433LC #B79M PCS ch600 Flat with 22.5mm Air Space and Backpack Clip

Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
 Medium: M1800, Medium parameters used: $f = 1880$ MHz, $\sigma = 1.57$ mho/m, $\epsilon_r = 53.5$, $\rho = 1000$ 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 = 0.0 dB
 Maximum value of SAR (measured) = 0.409 mW/g
 Peak SAR (extrapolated) = 0.608 W/kg
 SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.243 mW/g



0 dB = 0.409mW/g

Date/Time: 06/14/04 20:01:00

Test Laboratory: Kyocera

K433LC #B79M PCS ch600 Flat with 22.5mm Air Space

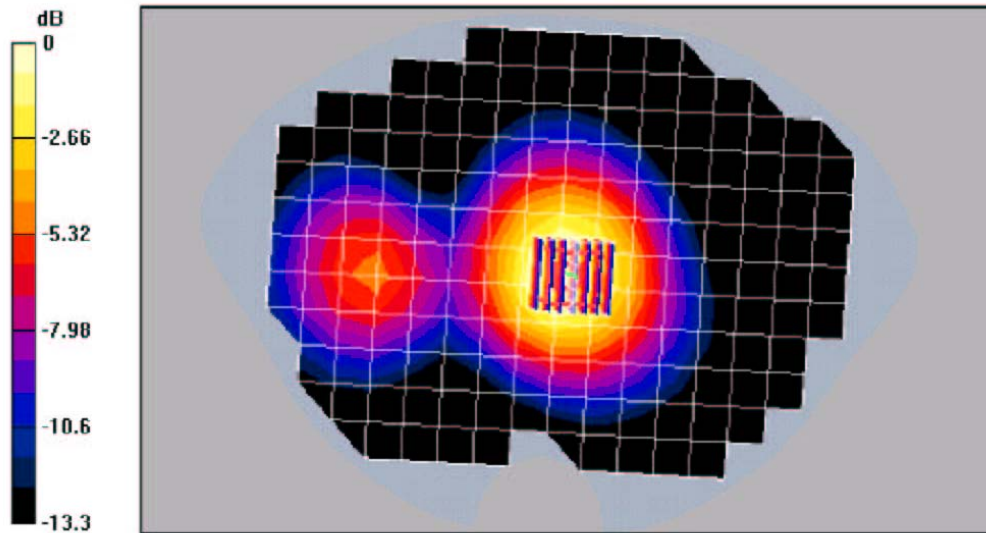
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
 Medium: M1800, Medium parameters used: $f = 1880$ MHz, $\sigma = 1.57$ mho/m, $\epsilon_r = 53.5$, $\rho = 1000$ kg/m³
 Phantom: SAM 12, Phantom section: Flat Section

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

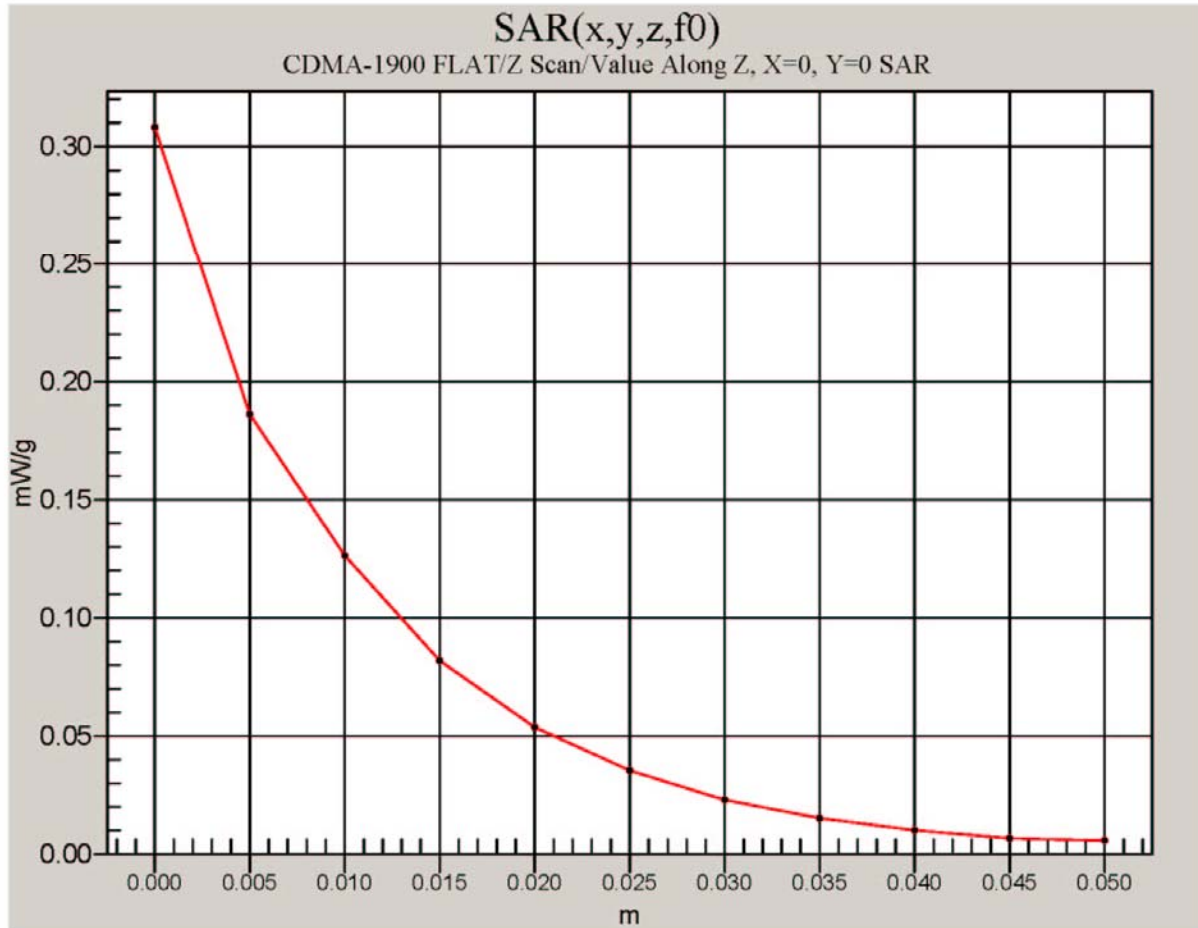
Temperature
 Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

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

Reference Value = 15.7 V/m; Power Drift = 0.0 dB
 Maximum value of SAR (measured) = 0.356 mW/g
 Peak SAR (extrapolated) = 0.533 W/kg
 SAR(1 g) = 0.332 mW/g; SAR(10 g) = 0.211 mW/g



0 dB = 0.356mW/g



Date/Time: 06/14/04 22:49:14

Test Laboratory: Kyocera

K433LC #B79M PCS ch600 Flat with Belt Clip and Backpack Clip

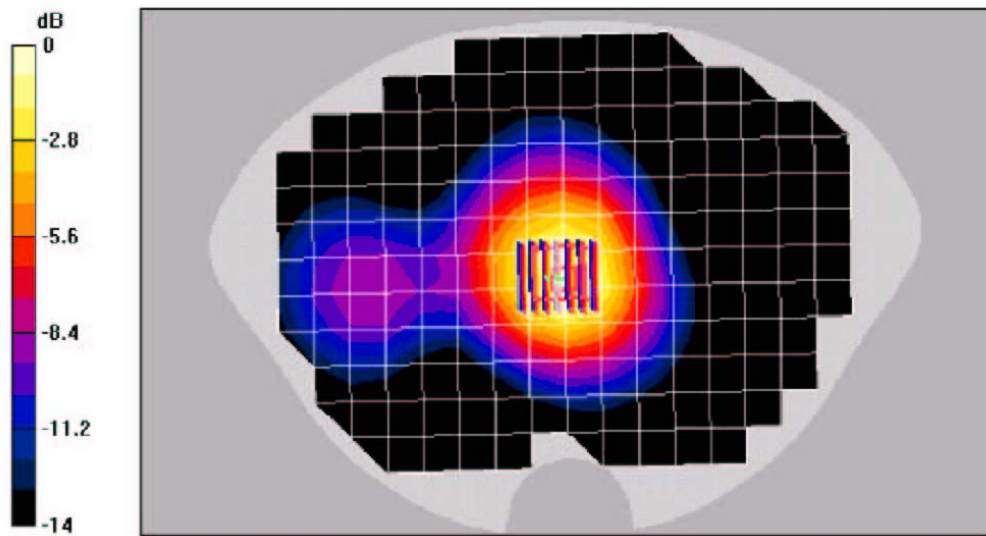
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
 Medium: M1800, Medium parameters used: $f = 1880$ MHz, $\sigma = 1.57$ mho/m, $\epsilon_r = 53.5$, $\rho = 1000$ kg/m³
 Phantom: SAM 12, Phantom section: Flat Section

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

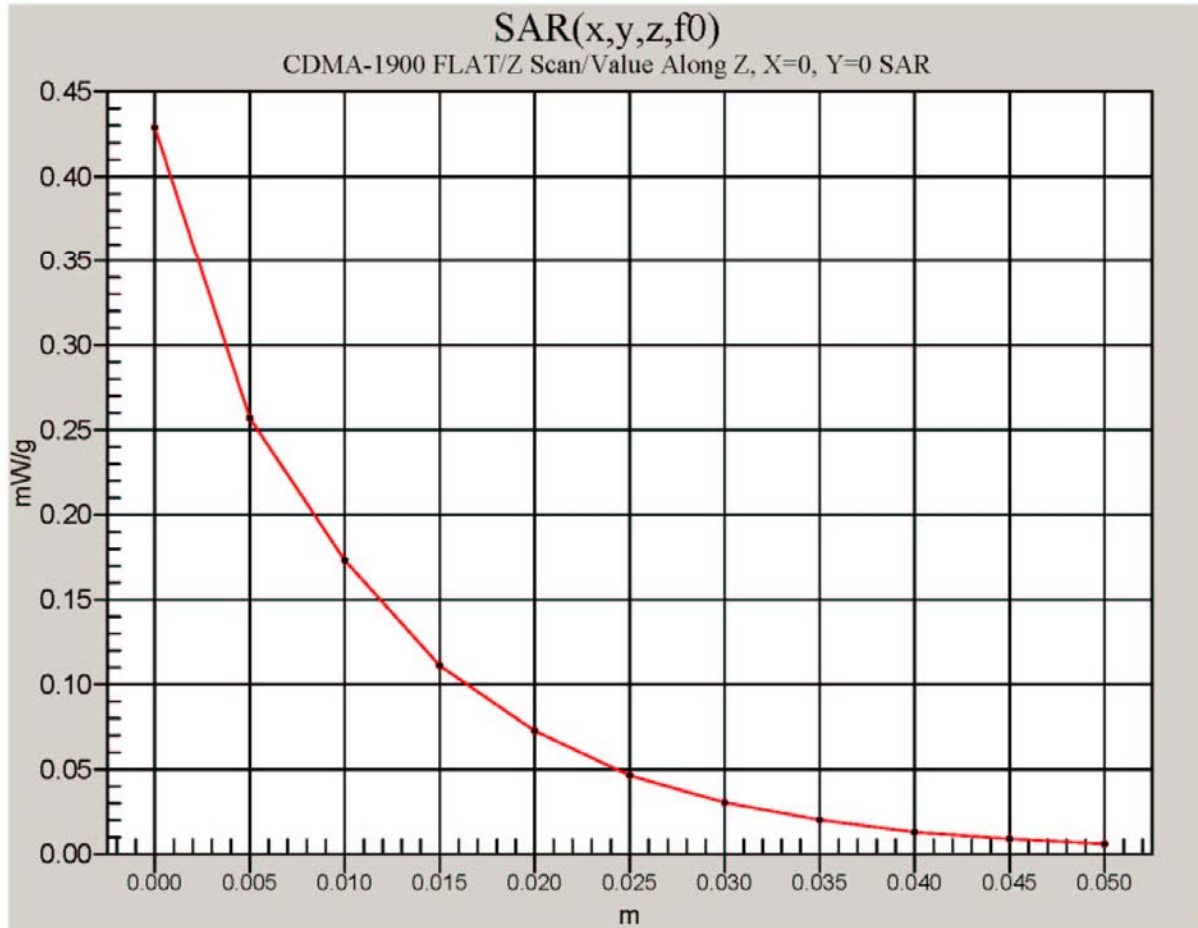
Temperature
 Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

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

Reference Value = 18.5 V/m, Power Dn ft = -0.1 dB
 Maximum value of SAR (measured) = 0.480 mW/g
 Peak SAR (extrapolated) = 0.728 W/kg
SAR(1 g) = 0.448 mW/g; SAR(10 g) = 0.276 mW/g



0 dB = 0.480mW/g



Date/Time: 06/14/04 20:45:41

Test Laboratory: Kyocera

K433LC #B79M PCS ch600 Flat with Belt Clip

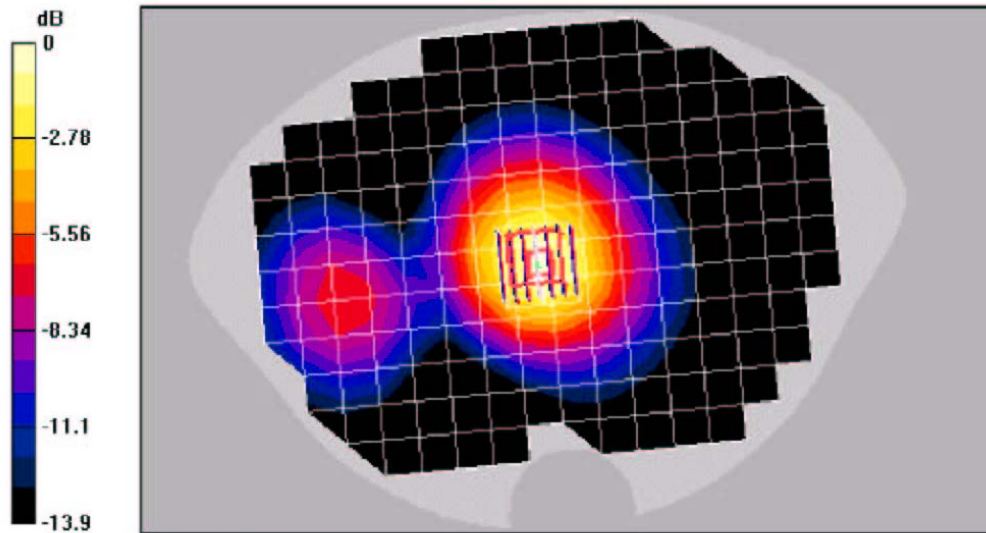
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
 Medium: M1800, Medium parameters used: $f = 1880$ MHz, $\sigma = 1.57$ mho/m, $\epsilon_r = 53.5$, $\rho = 1000$ kg/m³
 Phantom: SAM 12, Phantom section: Flat Section

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

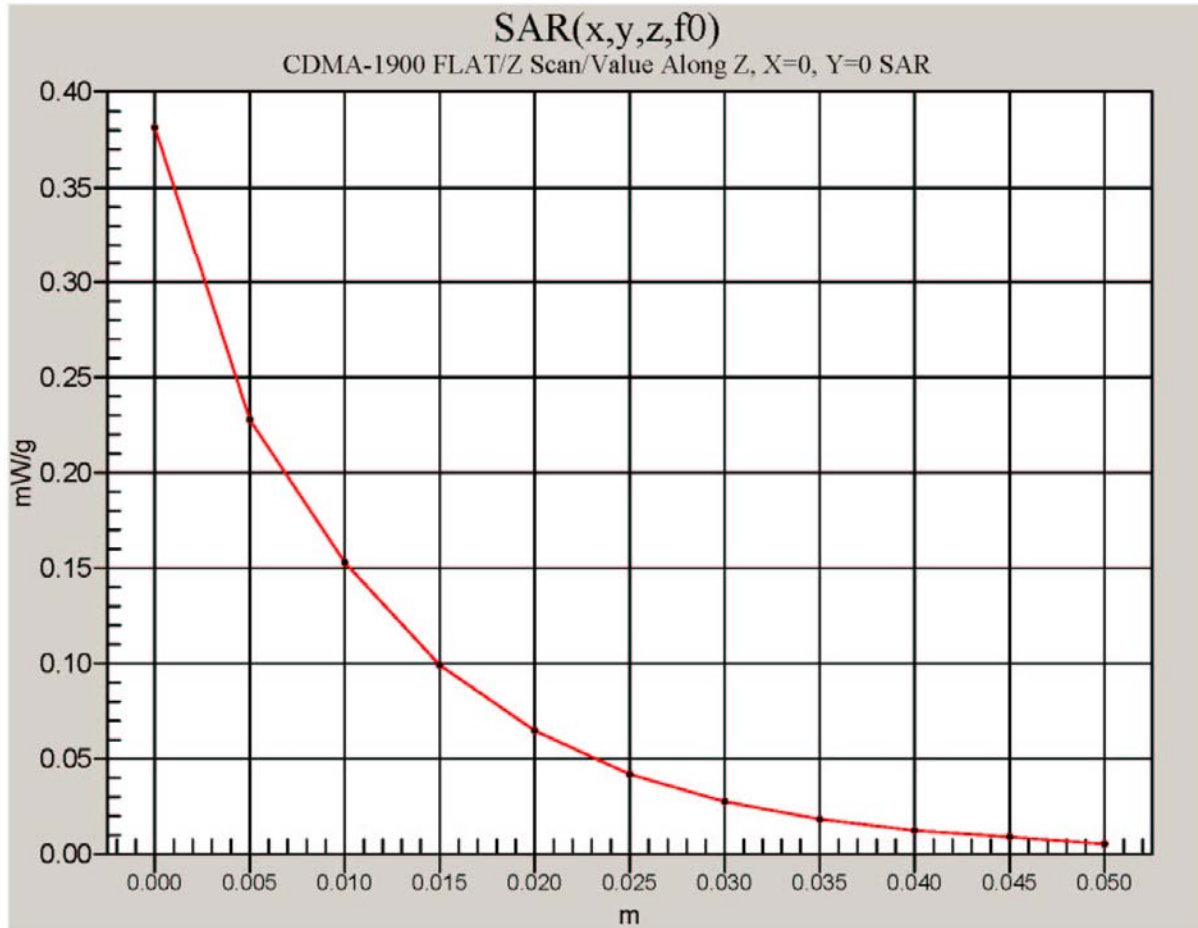
Temperature
 Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

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

Reference Value = 18 V/m, Power Drift = -0.1 dB
 Maximum value of SAR (measured) = 0.458 mW/g
 Peak SAR (extrapolated) = 0.693 W/kg
 SAR(1 g) = 0.426 mW/g; SAR(10 g) = 0.263 mW/g



0 dB = 0.458mW/g



Date/Time: 06/14/04 22:04:29

Test Laboratory: Kyocera

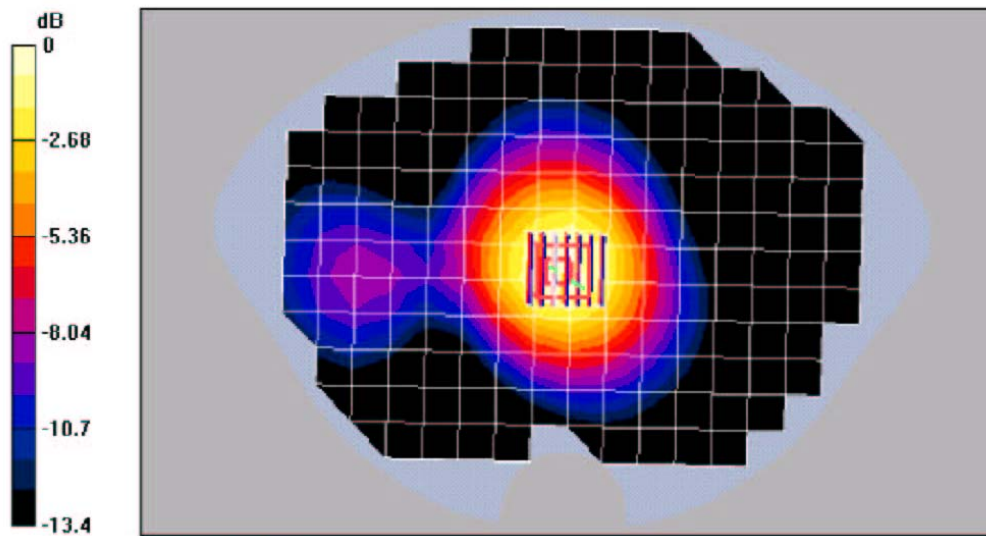
K433LC #B79M PCS ch600 Flat with Leather Case and Backpack Clip

Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
 Medium: M1800, Medium parameters used: $f = 1880$ MHz, $\sigma = 1.57$ mho/m, $\epsilon_r = 53.5$, $\rho = 1000$ 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 = 15.6 V/m, Power Dn ft = -0.1 dB
 Maximum value of SAR (measured) = 0.355 mW/g
 Peak SAR (extrapolated) = 0.544 W/kg
SAR(1 g) = 0.334 mW/g; SAR(10 g) = 0.209 mW/g



0 dB = 0.355mW/g

Date/Time: 06/14/04 21:23:51

Test Laboratory: Kyocera

K433LC #B79M PCS ch600 Flat with Leather Case

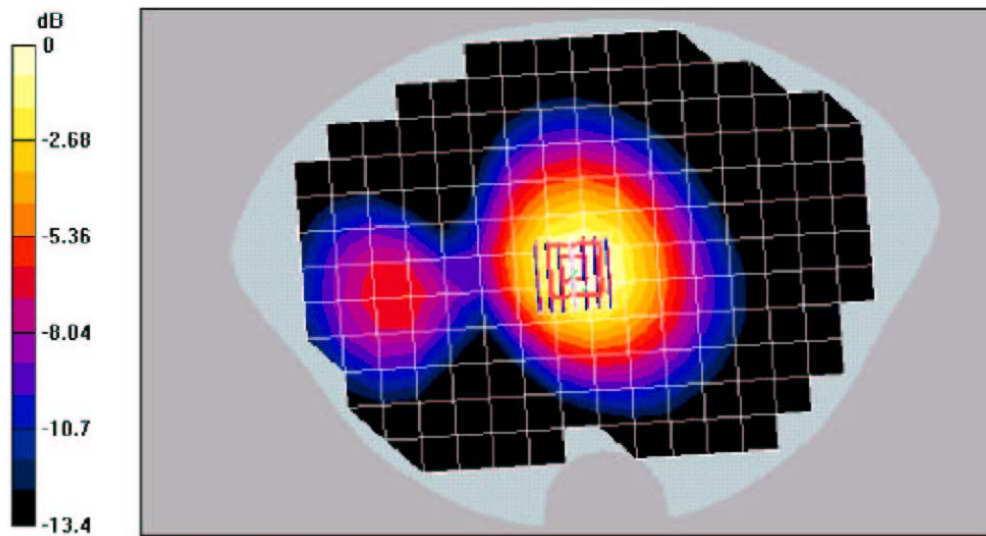
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
 Medium: M1800, Medium parameters used: $f = 1880$ MHz, $\sigma = 1.57$ mho/m, $\epsilon_r = 53.5$, $\rho = 1000$ kg/m³
 Phantom: SAM 12, Phantom section: Flat Section

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 = 15.4 V/m, Power Dn ft = -0.1 dB
 Maximum value of SAR (measured) = 0.335 mW/g
 Peak SAR (extrapolated) = 0.503 W/kg
SAR(1 g) = 0.308 mW/g; SAR(10 g) = 0.191 mW/g



0 dB = 0.335mW/g

Date/Time: 06/03/04 12:46:57

Test Laboratory: Kyocera

K433LC #B79M PCS ch600 Left Tilt

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

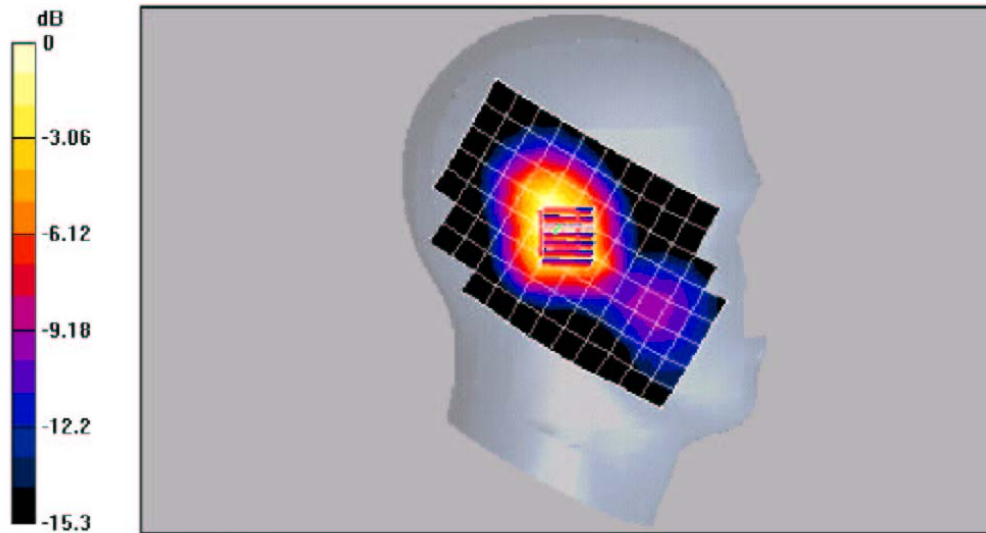
PCS ch600 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.7 V/m, Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.947 mW/g

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.865 mW/g; SAR(10 g) = 0.549 mW/g



0 dB = 0.947mW/g

Date/Time: 06/03/04 15:44:39

Test Laboratory: Kyocera

K433LC #B79M PCS ch600 Right Tilt

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: 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

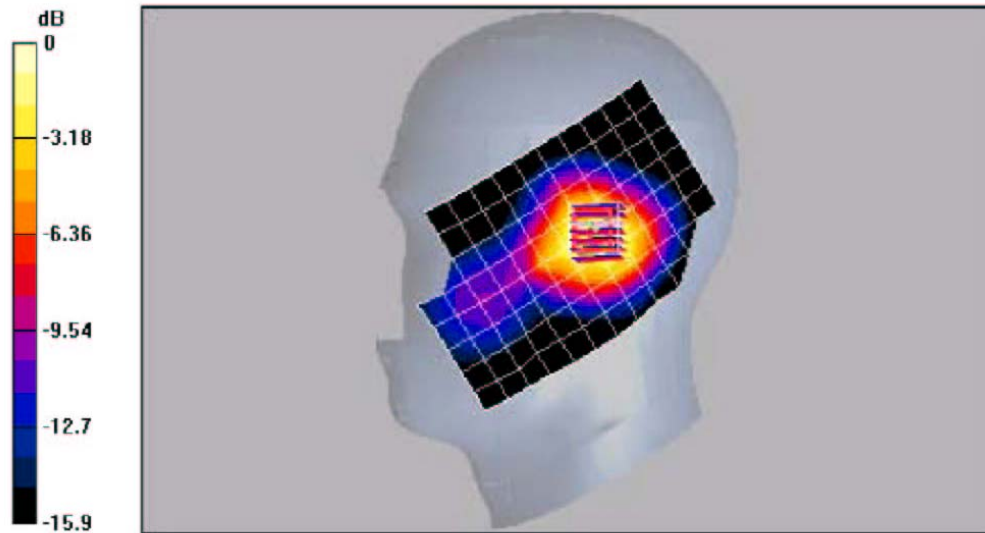
PCS ch600 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.4 V/m; Power Dri fit = -0.2 dB

Maximum value of SAR (measured) = 0.982 mW/g

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.895 mW/g; SAR(10 g) = 0.541 mW/g



0 dB = 0.982mW/g

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