

**Appendix B-4
K480 Family - PCS Gray Aktiv**

For

FCC ID: OVFKWC-K4X3

Section 1

CDMA 1900

Date/Time: 06/22/04 18:59:49

Test Laboratory: Kyocera

K483L #B805 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, $\sigma = 1.43$ mho/m; $\epsilon_r = 41$; $\rho = 1000$ 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

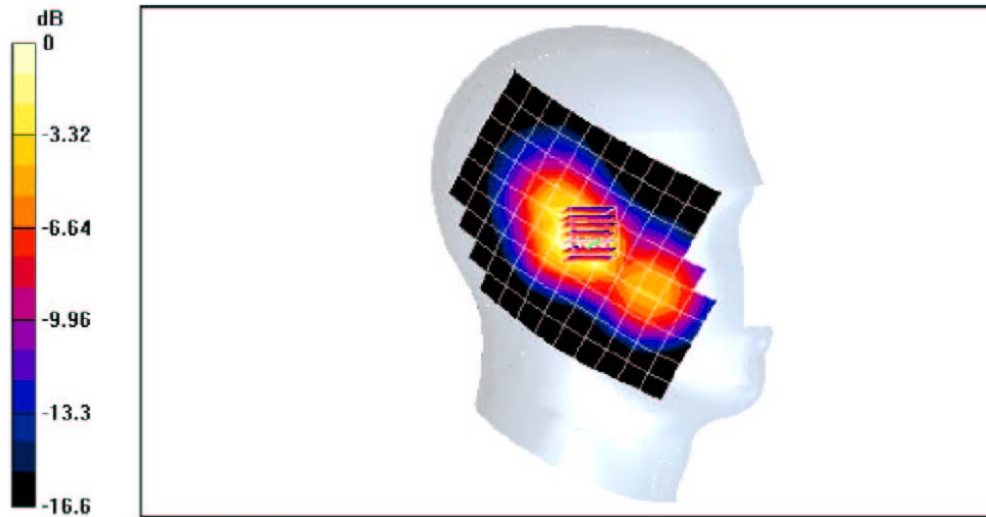
Reference Value = 26.7 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 1.16 mW/g

Peak SAR (extrapolated) = 1.63 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 = 1.16mW/g

Date/Time: 06/02/04 15:44:09

Test Laboratory: Kyocera

K483L #B805 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, $\epsilon_r = 39.5$, $\rho = 1000$ 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

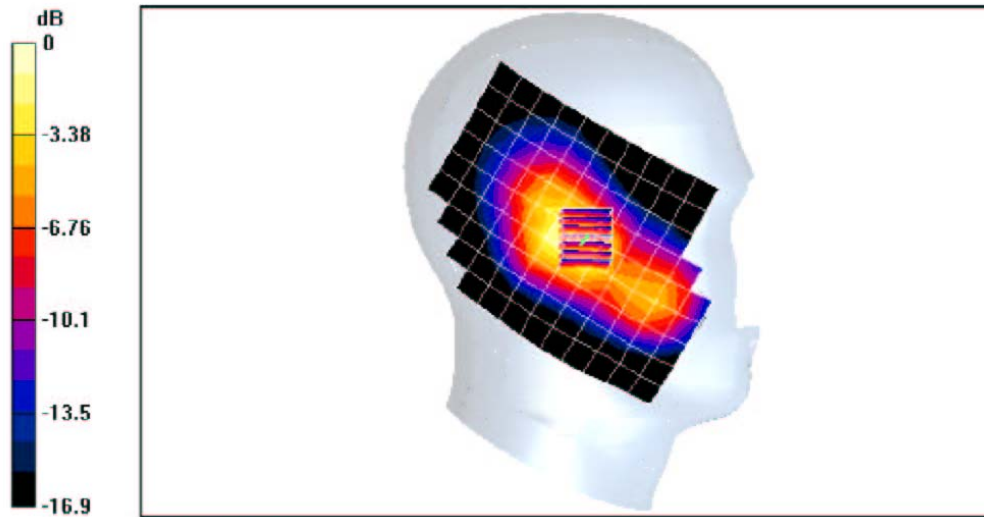
Reference Value = 26.2 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 1.17 mW/g

Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.613 mW/g

Info: Interpolated medium parameters used for SAR evaluation!



0 dB = 1.17mW/g

Date/Time: 06/02/04 15:44:09

Test Laboratory: Kyocera

K483L #B805 PCS ch1175 Left Tilt

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, $\epsilon_r = 39.5$, $\rho = 1000$ 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 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

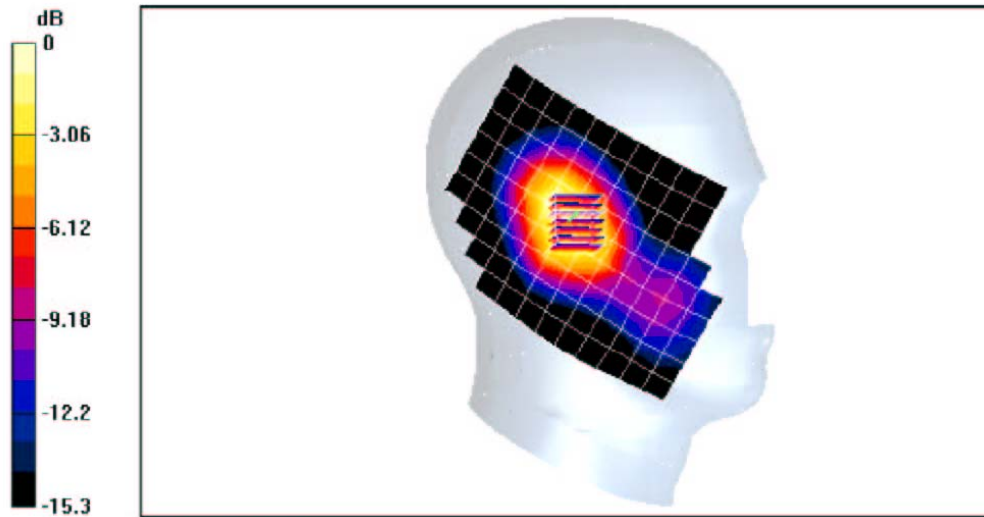
Reference Value = 28 W/m, Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.997 mW/g

Peak SAR (extrapolated) = 1.5 W/kg

SAR(1 g) = 0.929 mW/g; SAR(10 g) = 0.583 mW/g

Info: Interpolated medium parameters used for SAR evaluation!



0 dB = 0.997mW/g

Date/Time: 06/02/04 20:02:44

Test Laboratory: Kyocera

K483L #B805 PCS ch1175 Right Cheek

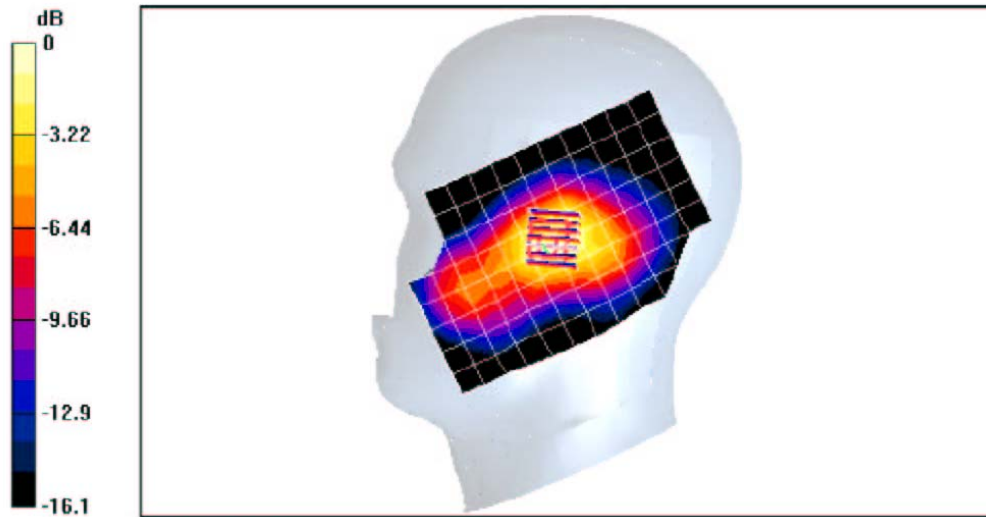
Communication System: CDMA 1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1
 Medium: Head 1900 MHz, Medium parameters used (interpolated): $f = 1908.75 \text{ MHz}$, $\sigma = 1.41 \text{ mho/m}$, $\epsilon_r = 39.5$, $\rho = 1000 \text{ kg/m}^3$
 Phantom: SAM 12, Phantom section: Right Section

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 ch1175 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 25.1 V/m; Power Drift = -0.0 dB
 Maximum value of SAR (measured) = 1.07 mW/g
 Peak SAR (extrapolated) = 1.5 W/kg
SAR(1 g) = 0.979 mW/g; SAR(10 g) = 0.584 mW/g

Info: Interpolated medium parameters used for SAR evaluation!



0 dB = 1.07mW/g

Date/Time: 06/02/04 20:02:44

Test Laboratory: Kyocera

K483L #B805 PCS ch25 Right Tilt

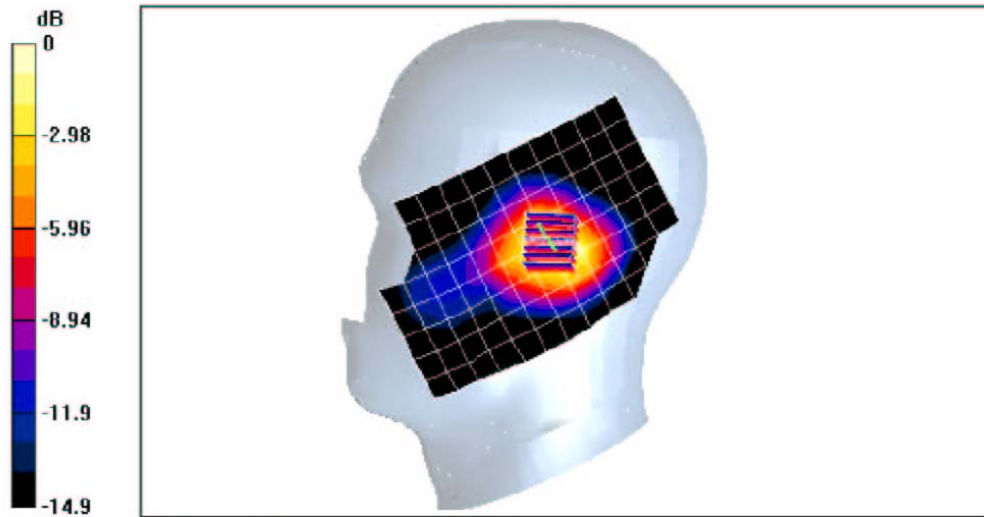
Communication System: CDMA 1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1
 Medium: Head 1900 MHz, Medium parameters used (interpolated): $f = 1851.25 \text{ MHz}$, $\sigma = 1.41 \text{ mho/m}$, $\epsilon_r = 39.5$, $\rho = 1000 \text{ kg/m}^3$
 Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:
 Probe: ET3DV6 - SN1712, ConvF(5.3, 5.3, 5.3), Calibrated: 9/19/2003
 Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
 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

PCS ch25 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 29 W/m, Power Drift = -0.1 dB
 Maximum value of SAR (measured) = 1.1 mW/g
 Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.610 mW/g

Info: Interpolated medium parameters used for SAR evaluation!



0 dB = 1.1mW/g

Date/Time: 06/14/04 19:23:35

Test Laboratory: Kyocera

K483L #B805,PCS ch600 Flat with 22.5mm Air Space and Backpack Clip

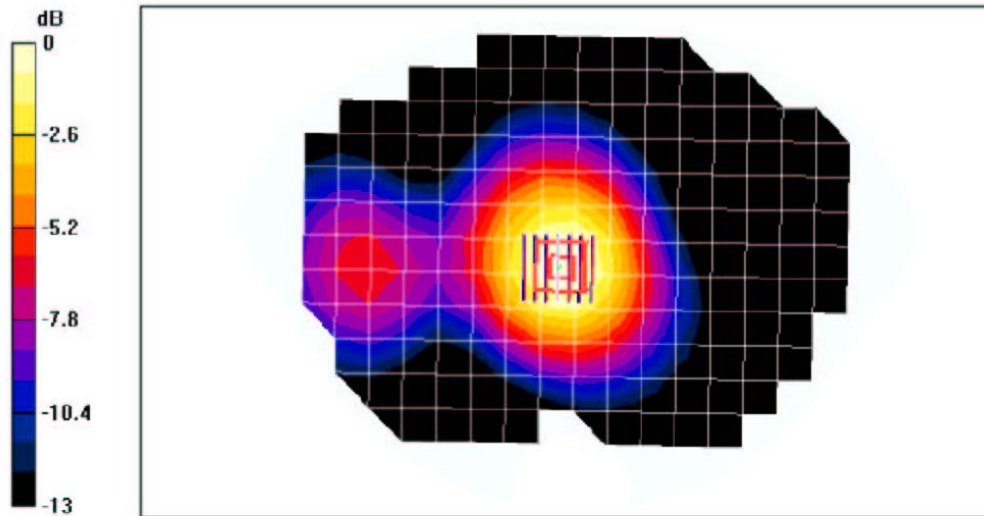
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
 Medium: M1800,Medium parameters used: $f = 1880$ MHz, $\sigma = 1.57$ mho/m, $\epsilon_r = 53.5$, $\rho = 1000$ kg/m³
 Phantom: SAM 12,Phantom section: Flat Section

DASY4 Configuration:
 Probe: ET3DV6 - SN1712, ConvF(5, 5, 5), Calibrated: Probe not calibrated
 Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
 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 = 14.4 V/m; Power Drift = -0.1 dB
 Maximum value of SAR (measured) = 0.287 mW/g
 Peak SAR (extrapolated) = 0.430 W/kg
 SAR(1 g) = 0.270 mW/g; SAR(10 g) = 0.173 mW/g



0 dB = 0.287mW/g

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Date/Time: 06/14/04 15:13:02

Test Laboratory: Kyocera

K483L #B805 PCS ch600 Flat with 22.5mm Air Space

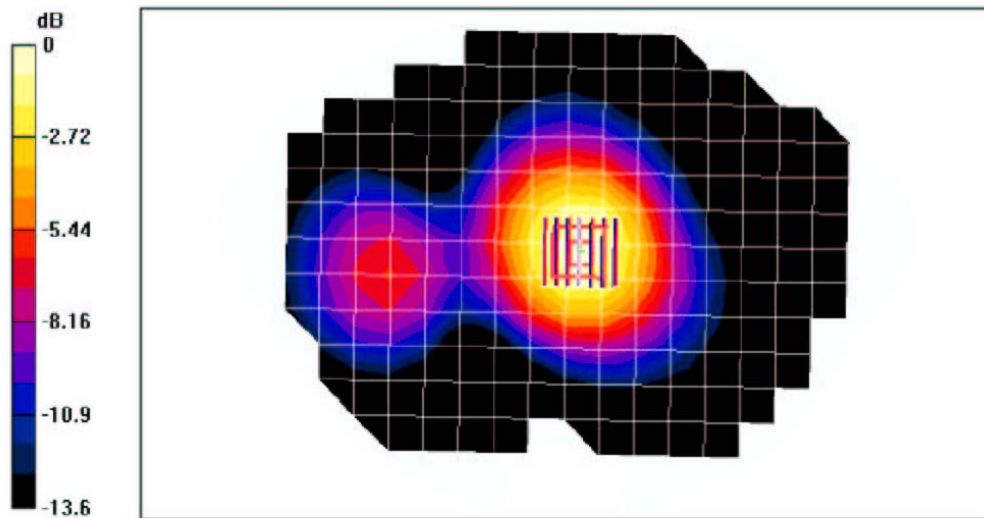
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
 Medium: M1800, Medium parameters used: $f = 1880$ MHz, $\sigma = 1.57$ mho/m, $\epsilon_r = 53.5$, $\rho = 1000$ kg/m³
 Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
 Probe: ET3DV6 - SN1712, ConvF(5, 5, 5), Calibrated: Probe not calibrated
 Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
 Electronics: DAE3 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

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

Reference Value = 16.7 V/m; Power Drift = -0.0 dB
 Maximum value of SAR (measured) = 0.423 mW/g
 Peak SAR (extrapolated) = 0.635 W/kg
 SAR(1 g) = 0.399 mW/g; SAR(10 g) = 0.251 mW/g



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Date/Time: 06/14/04 18:40:19

Test Laboratory: Kyocera

K483L #B805 PCS ch600 Flat with Belt Clip and Backpack Clip

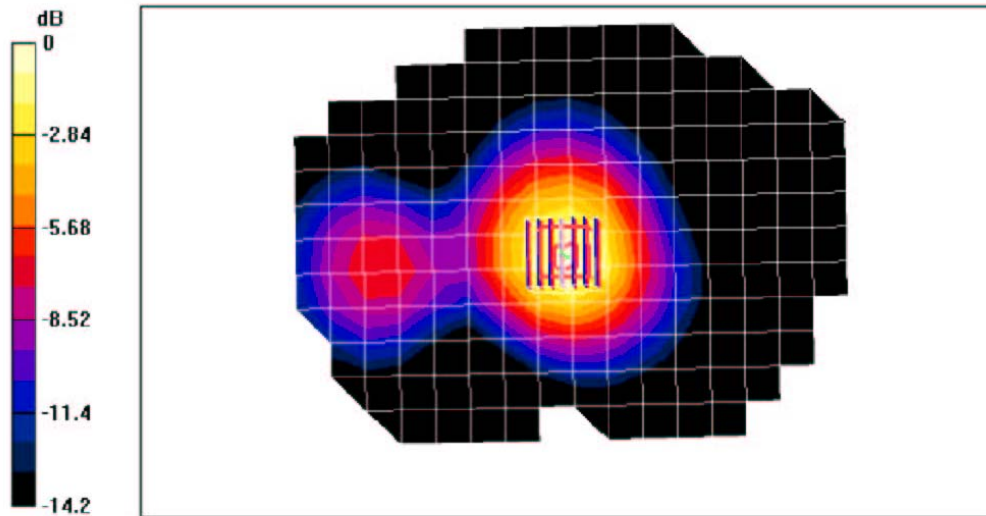
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
 Medium: M1800, Medium parameters used: $f = 1880$ MHz, $\sigma = 1.57$ mho/m, $\epsilon_r = 53.5$, $\rho = 1000$ kg/m³
 Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
 Probe: ET3DV6 - SN1712, ConvF(5, 5, 5), Calibrated: Probe not calibrated
 Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
 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 = 18.1 V/m; Power Drift = -0.1 dB
 Maximum value of SAR (measured) = 0.457 mW/g
 Peak SAR (extrapolated) = 0.637 W/kg
 SAR(1 g) = 0.419 mW/g; SAR(10 g) = 0.258 mW/g



0 dB = 0.457mW/g

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Date/Time: 06/14/04 15:53:24

Test Laboratory: Kyocera

K483L #B805 PCS ch600 Flat with Belt Clip

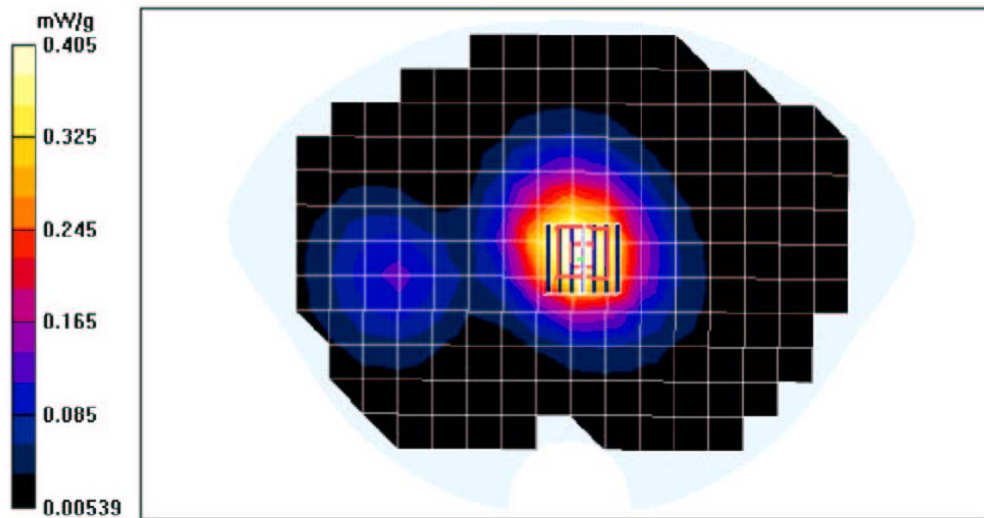
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: M1800, Medium parameters used: $f = 1880$ MHz, $\sigma = 1.57$ mho/m, $\epsilon_r = 53.5$, $\rho = 1000$ kg/m³
Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1712, ConvF(5, 5, 5), Calibrated: Probe not calibrated
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 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 = 18.2 V/m; Power Drift = -0.2 dB
Maximum value of SAR (measured) = 0.476 mW/g
Peak SAR (extrapolated) = 0.713 W/kg
SAR(1 g) = 0.443 mW/g; SAR(10 g) = 0.275 mW/g



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Date/Time: 06/14/04 13:02:36

Test Laboratory: Kyocera

K483L #B805 PCS ch600 Flat with Leather Case and Backpack Clip

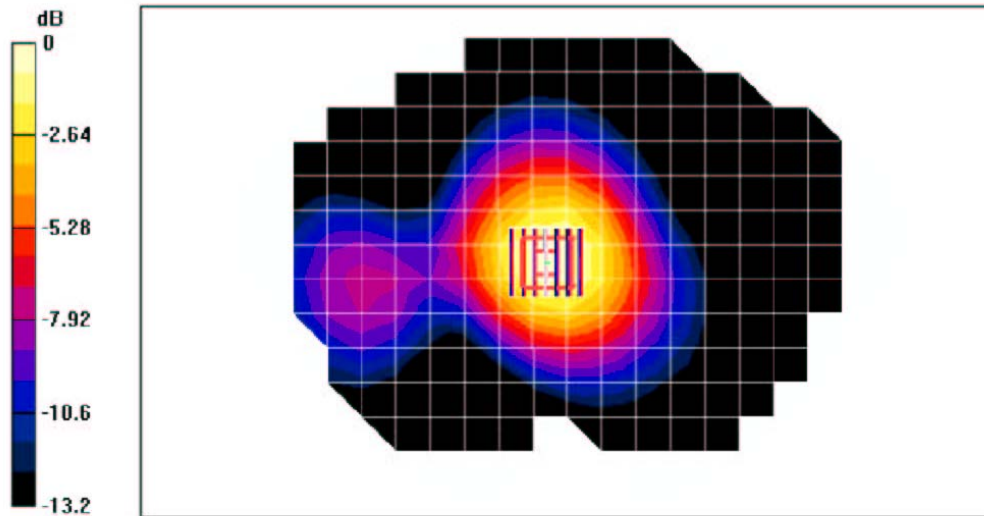
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
 Medium: M1800, Medium parameters used: $f = 1880$ MHz, $\sigma = 1.57$ mho/m, $\epsilon_r = 53.5$, $\rho = 1000$ kg/m³
 Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
 Probe: ET3DV6 - SN1712, ConvF(5, 5, 5), Calibrated: Probe not calibrated
 Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
 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 = 14.9 V/m; Power Drift = -0.2 dB
 Maximum value of SAR (measured) = 0.329 mW/g
 Peak SAR (extrapolated) = 0.502 W/kg
 SAR(1 g) = 0.308 mW/g; SAR(10 g) = 0.193 mW/g



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Date/Time: 06/14/04 17:20:26

Test Laboratory: Kyocera

K483L #B805 PCS ch600 Flat with Leather Case

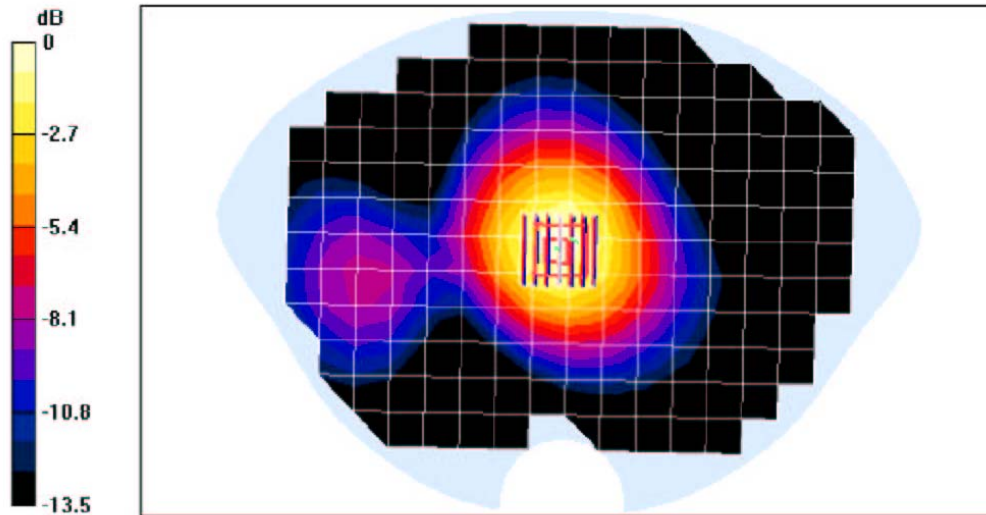
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
 Medium: M1800, Medium parameters used: $f = 1880$ MHz, $\sigma = 1.57$ mho/m, $\epsilon_r = 53.5$, $\rho = 1000$ kg/m³
 Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
 Probe: ET3DV6 - SN1712, ConvF(5, 5), 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 = 15.1 V/m, Power Dn ft = -0.1 dB
 Maximum value of SAR (measured) = 0.346 mW/g
 Peak SAR (extrapolated) = 0.520 W/kg
 SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.204 mW/g



0 dB = 0.346mW/g

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