

**Appendix B-3  
K480 Family - PCS Color Aktiv**

**For**

**FCC ID: OVFKWC-K4X3**

# **Section 1**

## **CDMA 1900**

Date/Time: 06/04/04 07:12:18

Test Laboratory: Kyocera

**K483LC #B79M PCS Ch1175 Left Cheek with Backback Clip**

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

Medium: Head 1900 MHz, Medium parameters used (interpolated):  $f = 1909$  MHz,  $\sigma = 1.4$  mho/m,  $\epsilon_r = 39.5$ ,  $\rho = 1000$  kg/m<sup>3</sup>

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

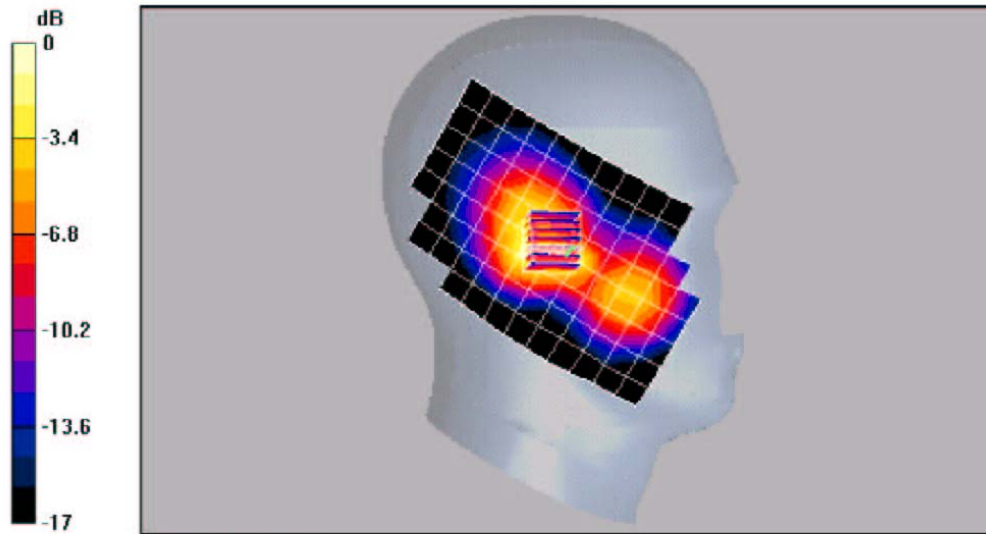
Reference Value = 26.6 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 1.07 mW/g

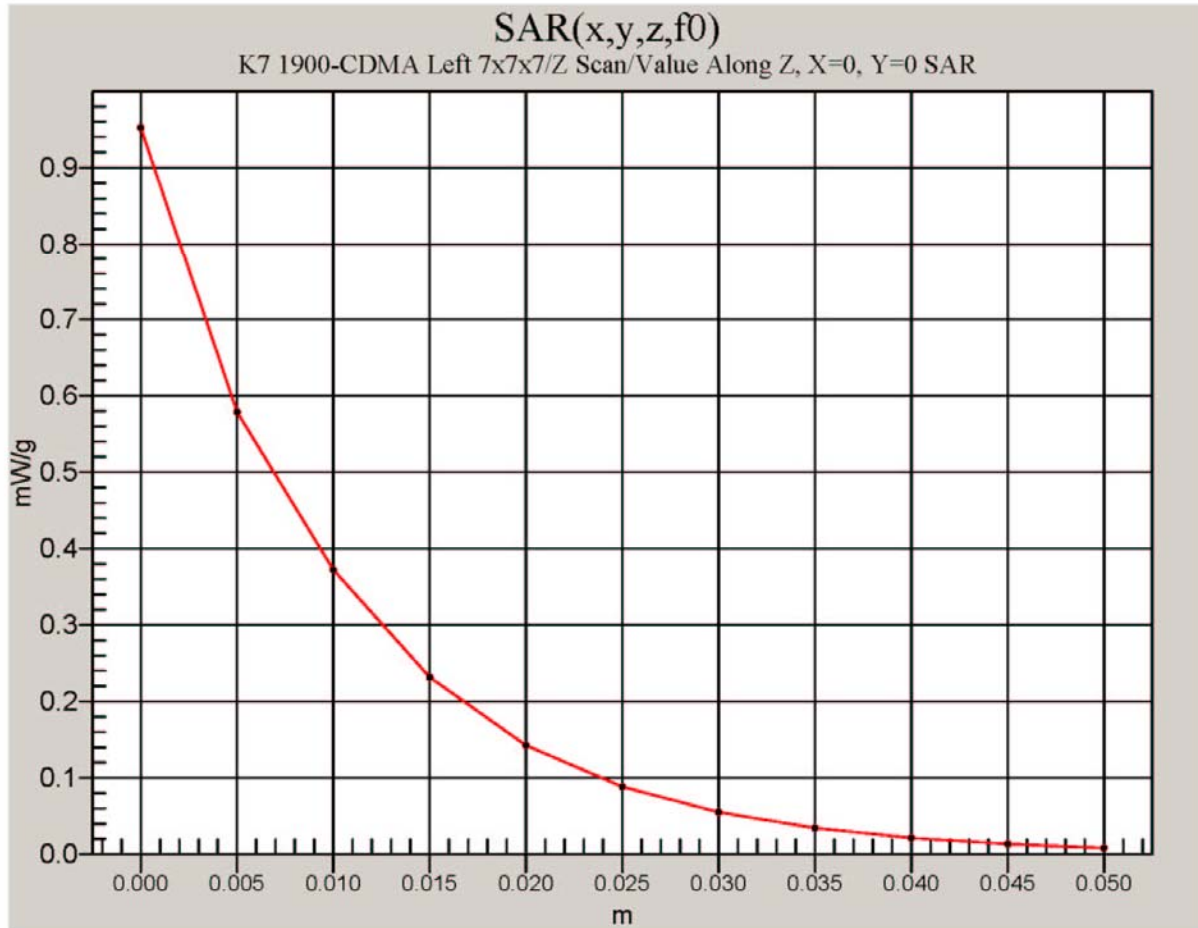
Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.971 mW/g; SAR(10 g) = 0.557 mW/g

Info: Interpolated medium parameters used for SAR evaluation!



0 dB = 1.07mW/g



Date/Time: 06/22/04 15:09:09

Test Laboratory: Kyocera

**K483LC #B7BF 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,  $\sigma = 1.43$  mho/m;  $\epsilon_r = 41$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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)

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

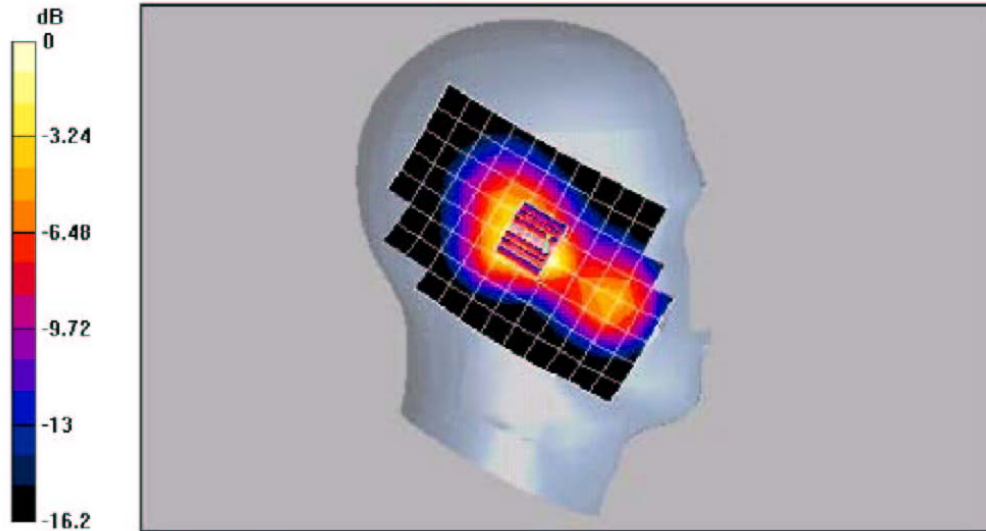
Reference Value = 26.2 V/m, Power DnB = -0.2 dB

Maximum value of SAR (measured) = 1.14 mW/g

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1g) = 1.03 mW/g; SAR(10g) = 0.578 mW/g

Info: Interpolated medium parameters used for SAR evaluation!



0 dB = 1.14mW/g

Date/Time: 06/22/04 15:09:09

Test Laboratory: Kyocera

### K483LC #B7BF 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,  $\sigma = 1.43$  mho/m;  $\epsilon_r = 41$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

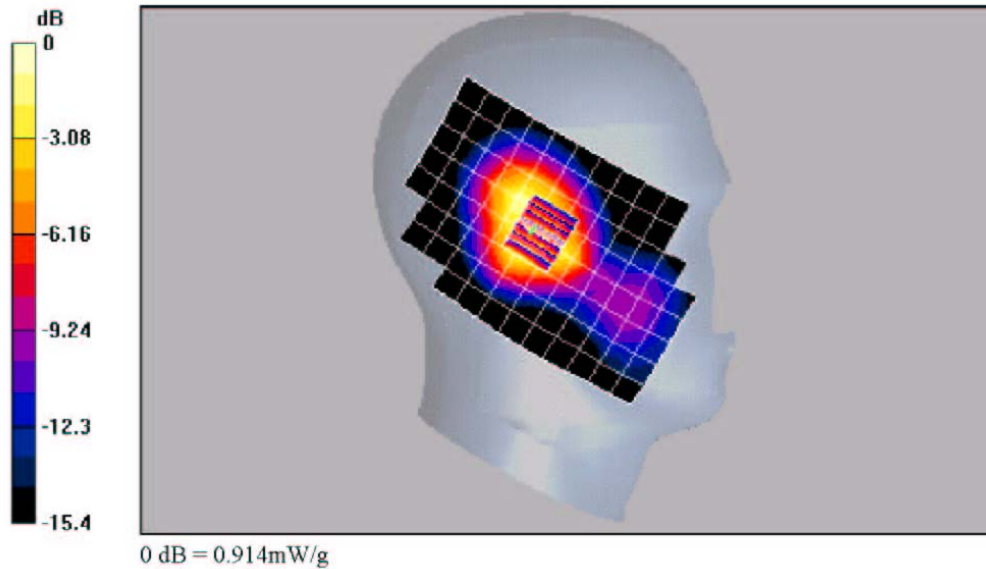
Reference Value = 27.2 V/m; Power Drift = -0.2 dB

Maximum value of SAR (measured) = 0.914 mW/g

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.834 mW/g; SAR(10 g) = 0.529 mW/g

Info: Interpolated medium parameters used for SAR evaluation!



Date/Time: 06/22/04 19:44:41

Test Laboratory: Kyocera

**K483LC #B7BF PCS ch1175 Right Cheek**

Communication System: CDMA 1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1  
 Medium: Head 1900 MHz, Medium parameters used (interpolated):  $f = 1908.75 \text{ MHz}$ ,  $\sigma = 1.43 \text{ mho/m}$ ,  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom: SAM 12, Phantom section: Right Section

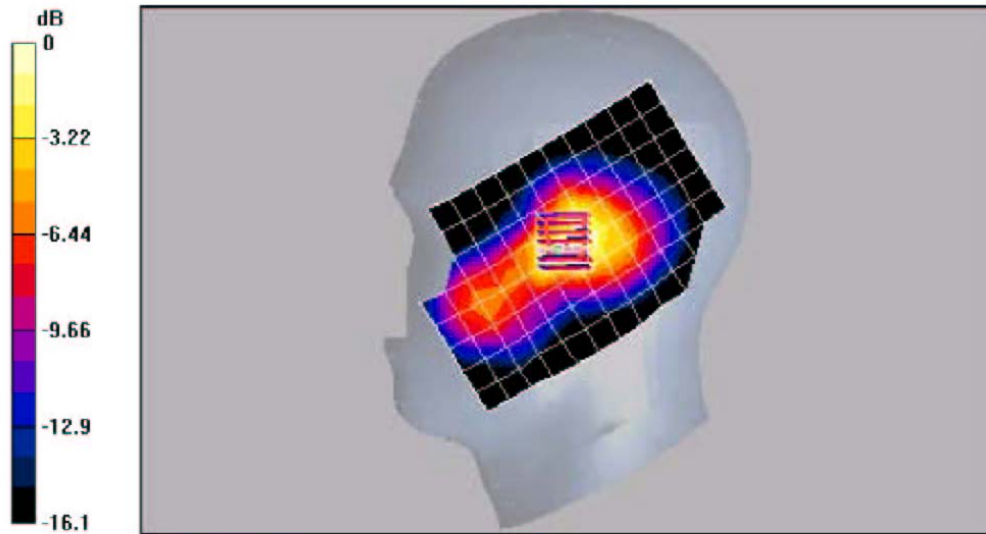
**DASY4 Configuration:**  
 Probe: ET3DV6 - SN1712, ConvF(5.3, 5.3, 5.3), Calibrated: 9/19/2003  
 Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),  
 Electronics: DAE3 Sa530, Calibrated: 12/22/2003  
 Measurement SW: DASY4, V4.2 Build 44  
 Postprocessing SW: SEMCAD, V1.8 Build 112

**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 = 24.7 V/m; Power Drift = 0.0 dB  
 Maximum value of SAR (measured) = 1.06 mW/g  
 Peak SAR (extrapolated) = 1.56 W/kg  
**SAR(1 g) = 0.965 mW/g; SAR(10 g) = 0.567 mW/g**

Info: Interpolated medium parameters used for SAR evaluation!



0 dB = 1.06mW/g

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Test Laboratory: Kyocera

### K483LC #B7BF PCS ch600 Flat with 22.5mm Air Space and Backpack Clip

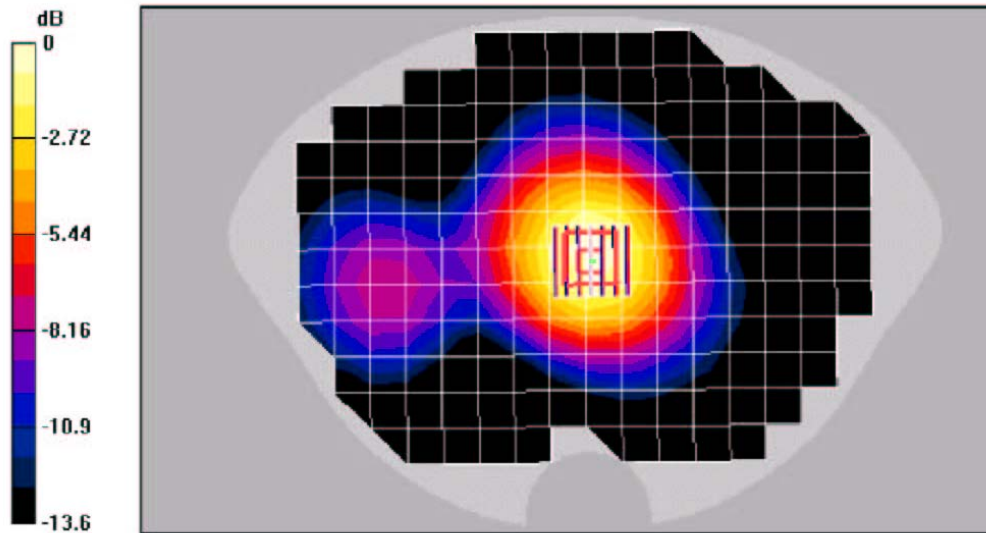
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1  
Medium: M1800, Medium parameters used:  $f = 1880$  MHz,  $\sigma = 1.57$  mho/m,  $\epsilon_r = 53.5$ ,  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom: SAM 12, Phantom section: Flat Section

**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

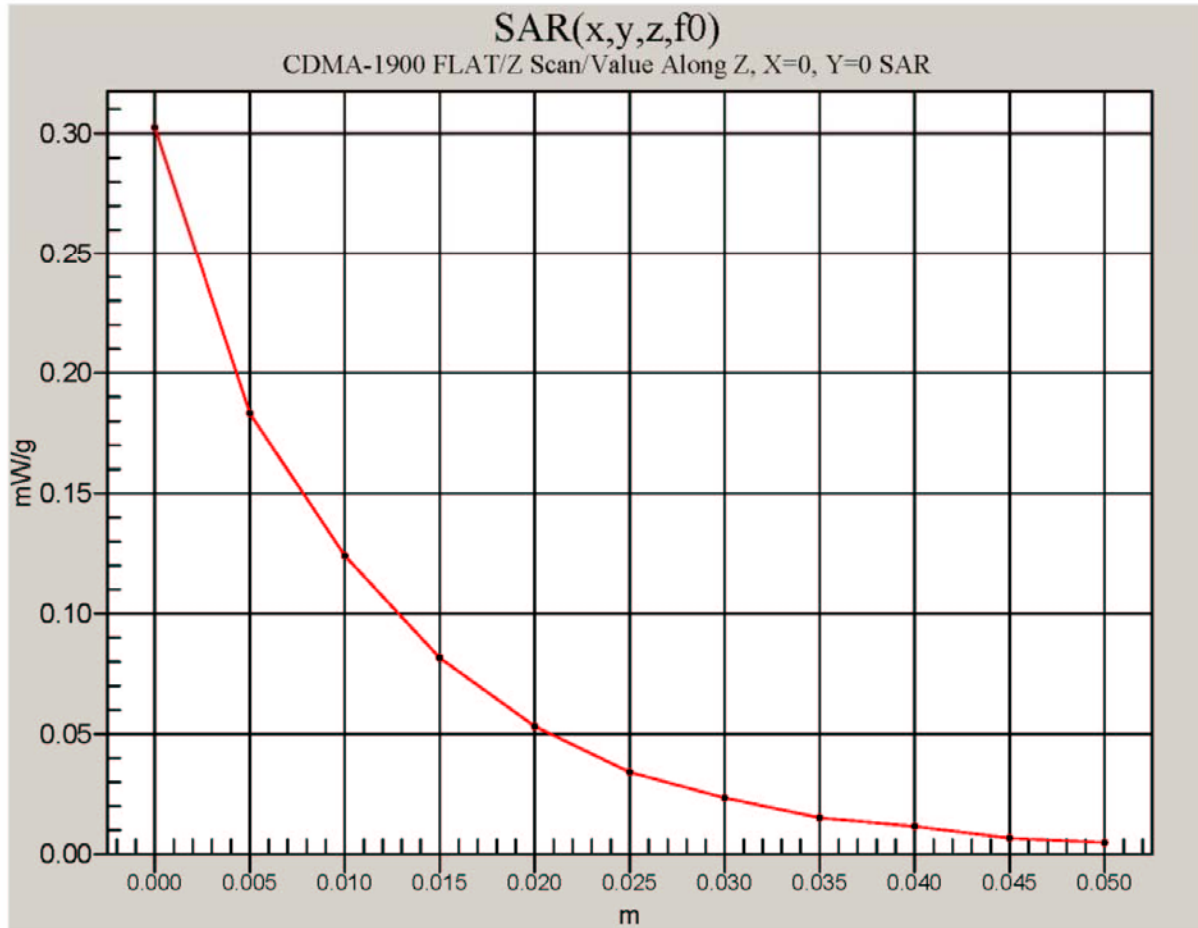
#### CDMA-1900 Ch600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.7 V/m; Power Drift = -0.1 dB  
Maximum value of SAR (measured) = 0.348 mW/g  
Peak SAR (extrapolated) = 0.520 W/kg  
SAR(1 g) = 0.327 mW/g; SAR(10 g) = 0.209 mW/g



0 dB = 0.348mW/g





Date/Time: 06/14/04 11:37:30

Test Laboratory: Kyocera

**K483LC #B7BF 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/m<sup>3</sup>

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

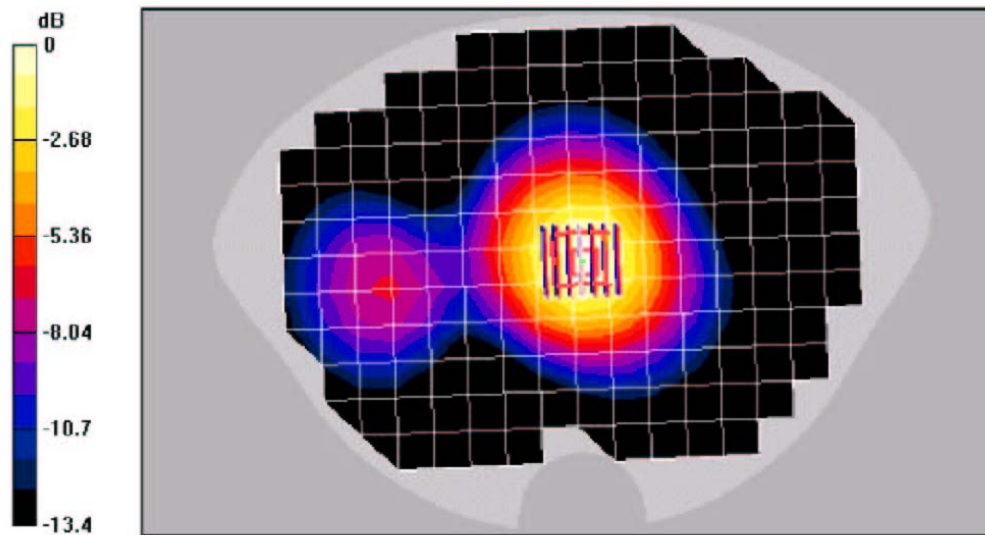
**CDMA-1900 Ch600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm**

Reference Value = 16.2 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.391 mW/g

Peak SAR (extrapolated) = 0.579 W/kg

SAR(1 g) = 0.364 mW/g; SAR(10 g) = 0.232 mW/g



0 dB = 0.391mW/g

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Date/Time: 06/14/04 14:23:26

Test Laboratory: Kyocera

**K483LC #B7BF PCS ch600 Flat with Belt Clip and Backpack Clip**

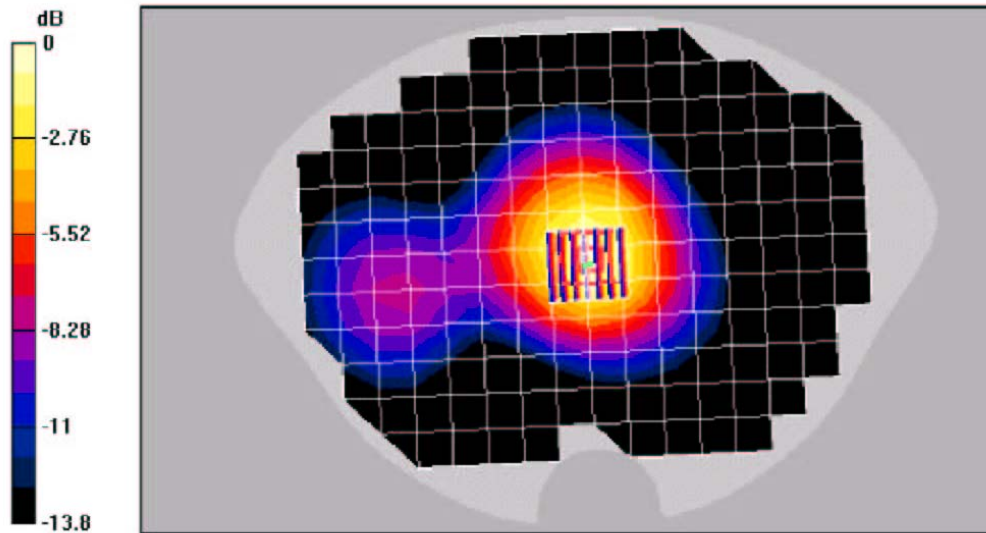
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1  
 Medium: M1800, Medium parameters used:  $f = 1880$  MHz,  $\sigma = 1.57$  mho/m,  $\epsilon_r = 53.5$ ,  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom: SAM 12, Phantom section: Flat Section

**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 = 17.2 V/m; Power Drift = -0.0 dB  
 Maximum value of SAR (measured) = 0.431 mW/g  
 Peak SAR (extrapolated) = 0.643 W/kg  
 SAR(1 g) = 0.400 mW/g; SAR(10 g) = 0.248 mW/g



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Test Laboratory: Kyocera

**K483LC #B7BF PCS ch600 Flat with Belt Clip**

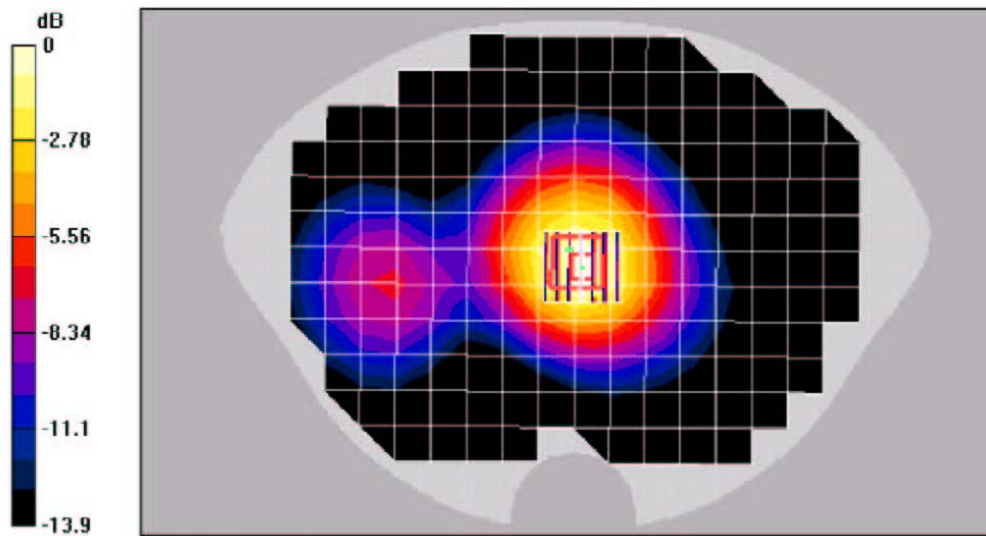
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1  
 Medium: M1800, Medium parameters used:  $f = 1880$  MHz,  $\sigma = 1.57$  mho/m,  $\epsilon_r = 53.5$ ,  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom: SAM 12, Phantom section: Flat Section

**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 = 17.7 V/m, Power Dn ft = -0.1 dB  
 Maximum value of fSAR (measured) = 0.431 mW/g  
 Peak SAR (extrapolated) = 0.654 W/kg  
 SAR(1 g) = 0.400 mW/g; SAR(10 g) = 0.246 mW/g



0 dB = 0.431mW/g

Date/Time: 06/14/04 15:11:41

Test Laboratory: Kyocera

### K483LC #B7BF PCS ch600 Flat with Leather Case and Backpack Clip

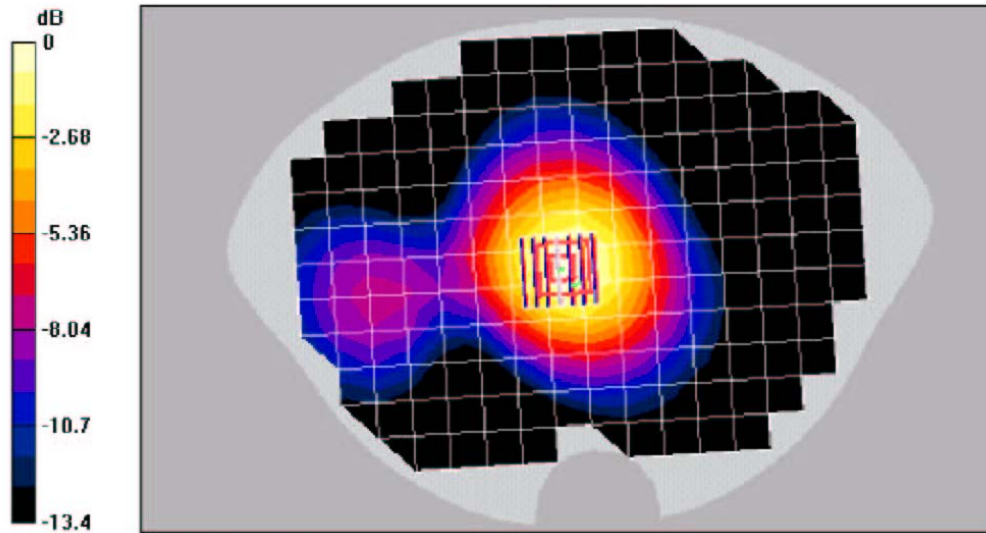
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1  
Medium: M1800, Medium parameters used:  $f = 1880$  MHz,  $\sigma = 1.57$  mho/m,  $\epsilon_r = 53.5$ ,  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom: SAM 12, Phantom section: Flat Section

**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 = 14.9 V/m, Power Dn ft = -0.2 dB  
Maximum value of SAR (measured) = 0.321 mW/g  
Peak SAR (extrapolated) = 0.483 W/kg  
SAR(1 g) = 0.298 mW/g; SAR(10 g) = 0.188 mW/g



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Date/Time: 06/14/04 13:05:10

Test Laboratory: Kyocera

### K483LC #B7BF PCS ch600 Flat with Leather Case

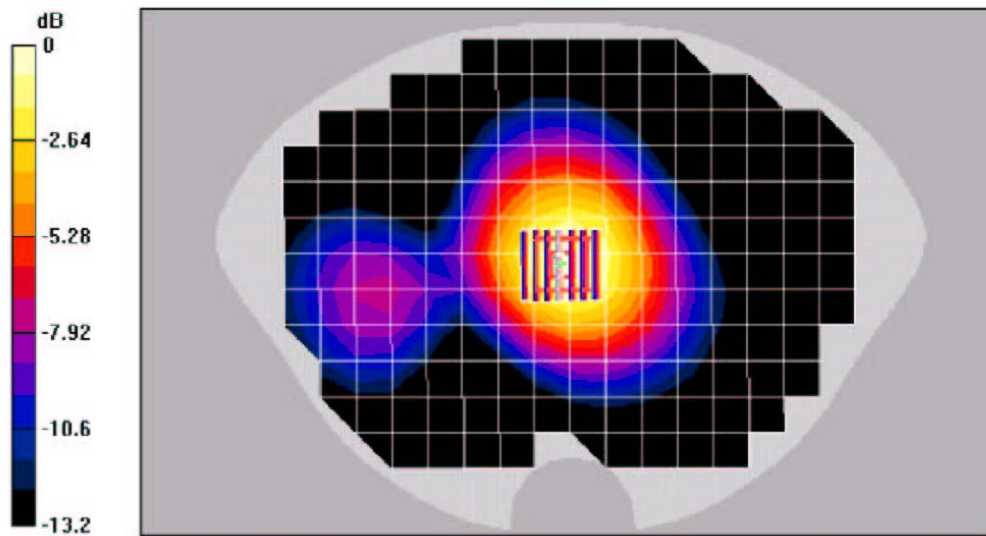
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1  
Medium: M1800, Medium parameters used:  $f = 1880$  MHz,  $\sigma = 1.57$  mho/m,  $\epsilon_r = 53.5$ ,  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom: SAM 12, Phantom section: Flat Section

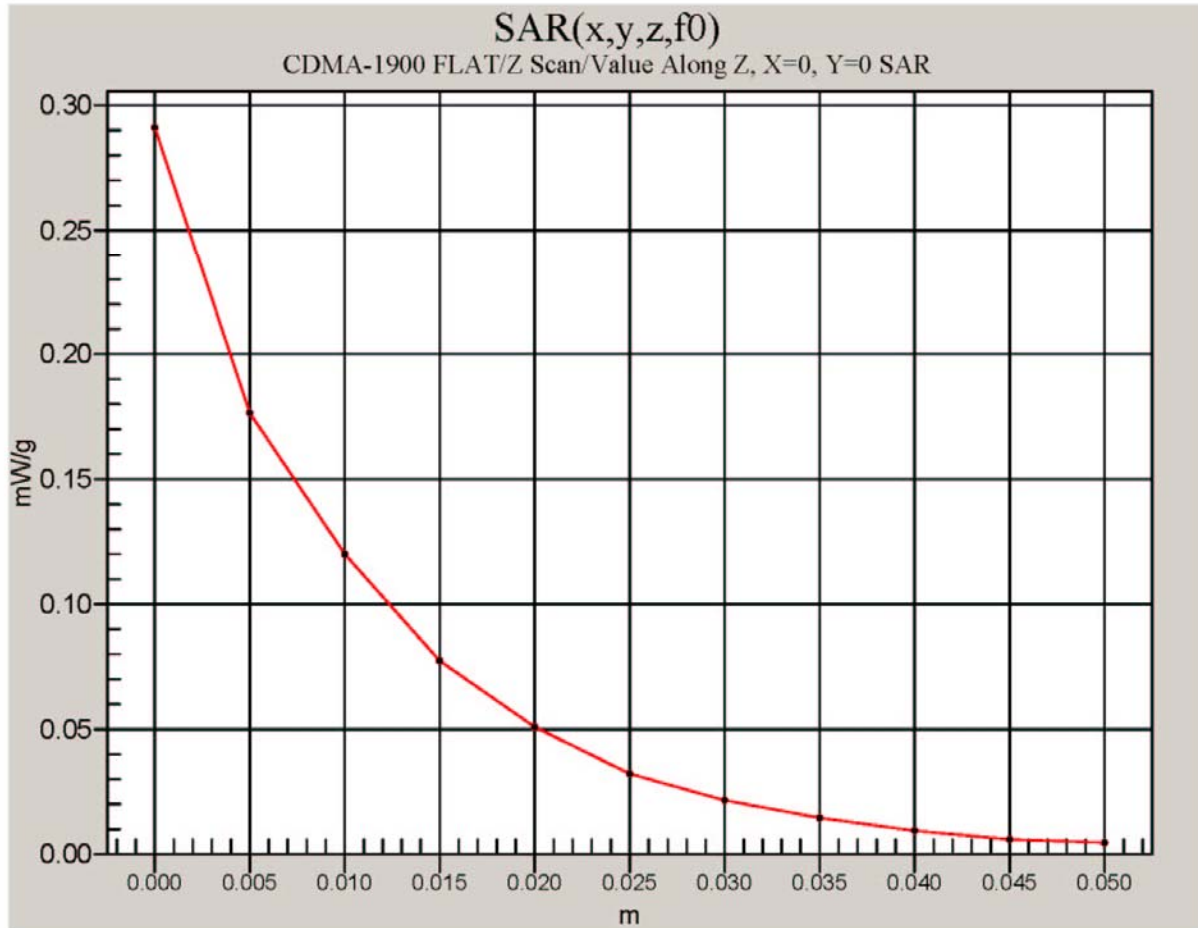
**DASY4 Configuration:**  
Probe: ET3DV6 - SN1712, ConvF(5, 5, 5), Calibrated: Probe not calibrated  
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
Sensor-Surface: 0mm (Fix Surface)  
Electronics: DAE3 Sn530, Calibrated: 12/22/2003  
Measurement SW: DASY4, V4.2 Build 44  
Postprocessing 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 = 15.5 V/m, Power Dn ft = -0.2 dB  
Maximum value of SAR (measured) = 0.334 mW/g  
Peak SAR (extrapolated) = 0.503 W/kg  
SAR(1 g) = 0.312 mW/g; SAR(10 g) = 0.196 mW/g





Date/Time: 06/22/04 19:44:41

Test Laboratory: Kyocera

**K483LC #B7BF PCS ch600 Right Tilt**

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

Medium: Head 1900 MHz, Medium parameters used:  $f = 1880 \text{ MHz}$ ,  $\sigma = 1.43 \text{ mho/m}$ ,  $\epsilon_r = 41$ ,  $\rho = 1000 \text{ kg/m}^3$

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

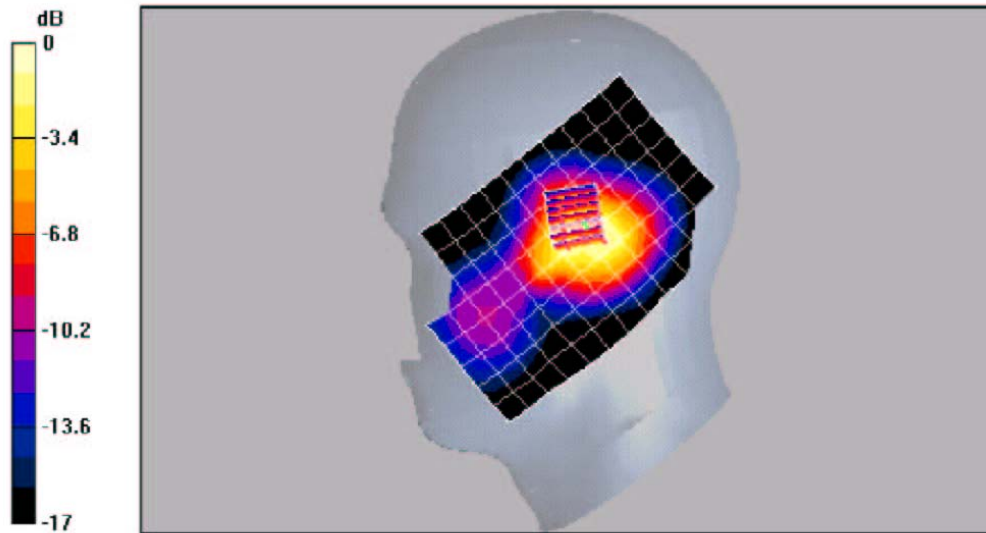
**PCS ch600 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm**

Reference Value = 27.1 V/m; Power DnB = 0.2 dB

Maximum value of SAR (measured) = 0.962 mW/g

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.867 mW/g; SAR(10 g) = 0.527 mW/g



0 dB = 0.962mW/g

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