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, σ = 1.4 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Phantom: SAM 12, Phantom section: Left Section

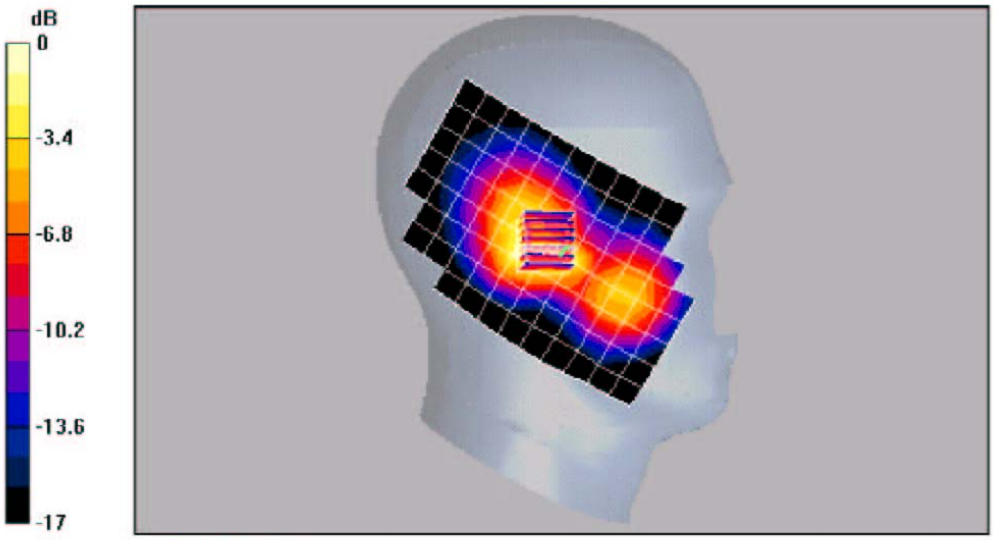
DASY4 Configuration:
Probe: ET3DV6 - SN1712, ConvF(5.3, 5.3, 5.3), Calibrated: 9/19/2003
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn530, Calibrated: 12/22/2003
Measurement SW: DASY4, V4.2 Build 44
Postprocessing SW: SEMCAD, V1.8 Build 112

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

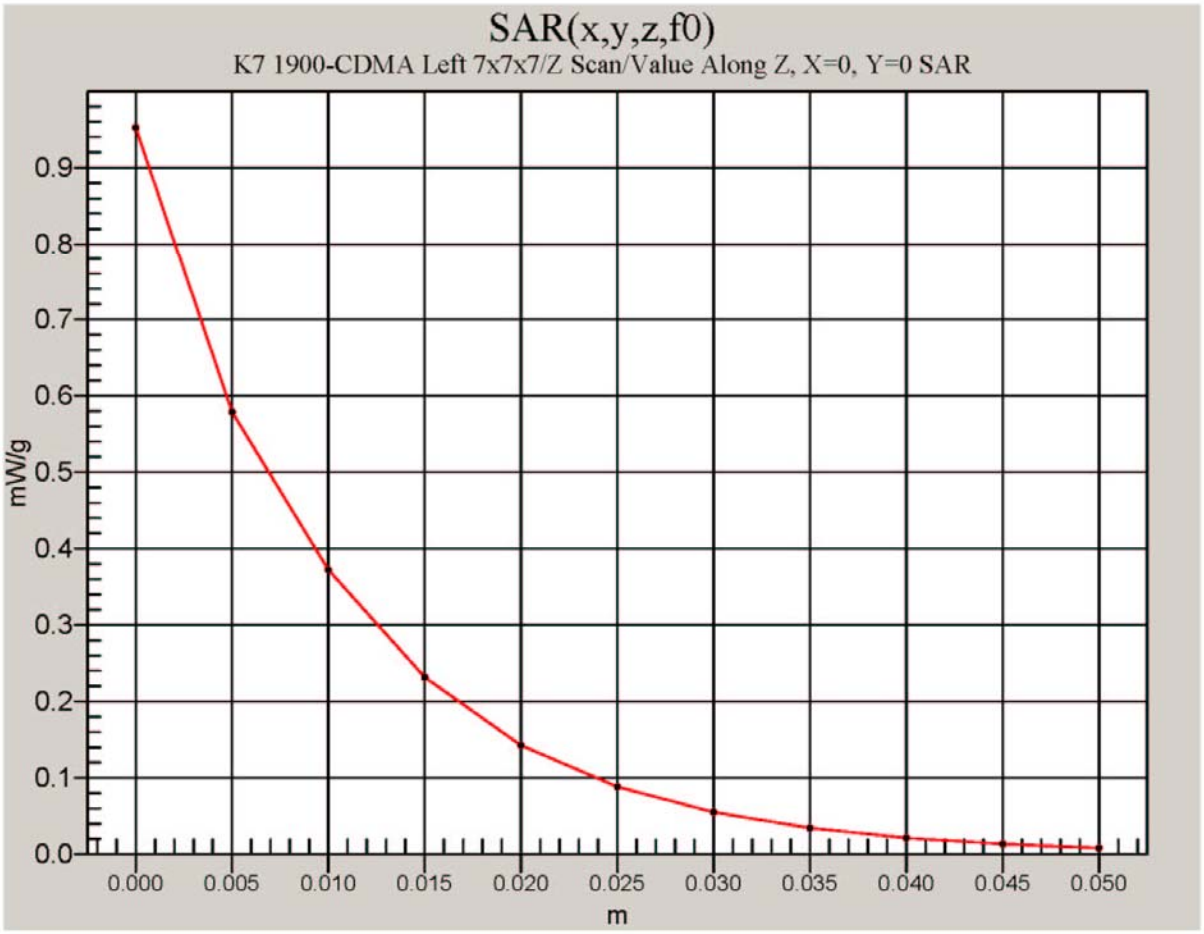
PCS ch1175 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.6 V/m; Power Drift = -0.2 dB
Maximum value of SAR (measured) = 1.07 mW/g
Peak SAR (extrapolated) = 1.58 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


SAR(x,y,z,f0)
K7 1900-CDMA Left 7x7x7/Z Scan/Value Along Z, X=0, Y=0 SAR
mW/g
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
0.000
0.005
0.010
0.015
0.020
0.025
0.030
0.035
0.040
0.045
0.050
m

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, σ = 1.43 mho/m; ε_r = 41; ρ = 1000 kg/m^3
Phantom: SAM 12, Phantom section: Left Section

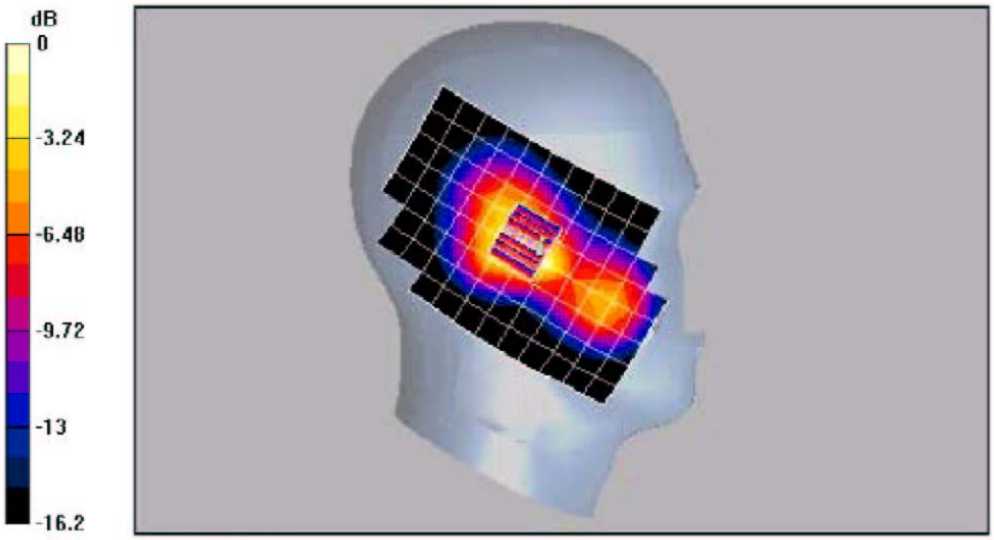
DASY4 Configuration:
Probe: ET3DV6 - SN1712, ConvF(5.3, 5.3, 5.3), Calibrated: 9/19/2003
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
Sensor-Surface: 0mm (Fix Surface),
Electronics: DAE3 Sn530, Calibrated: 12/22/2003
Measurement SW: DASY4, V4.2 Build 44
Postprocessing SW: SEMCAD, V1.8 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 Drift = -0.2 dB
Maximum value of SAR (measured) = 1.14 mW/g
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 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, σ = 1.43 mho/m; ε_r = 41; ρ = 1000 kg/m^3
Phantom: SAM 12, Phantom section: Left Section

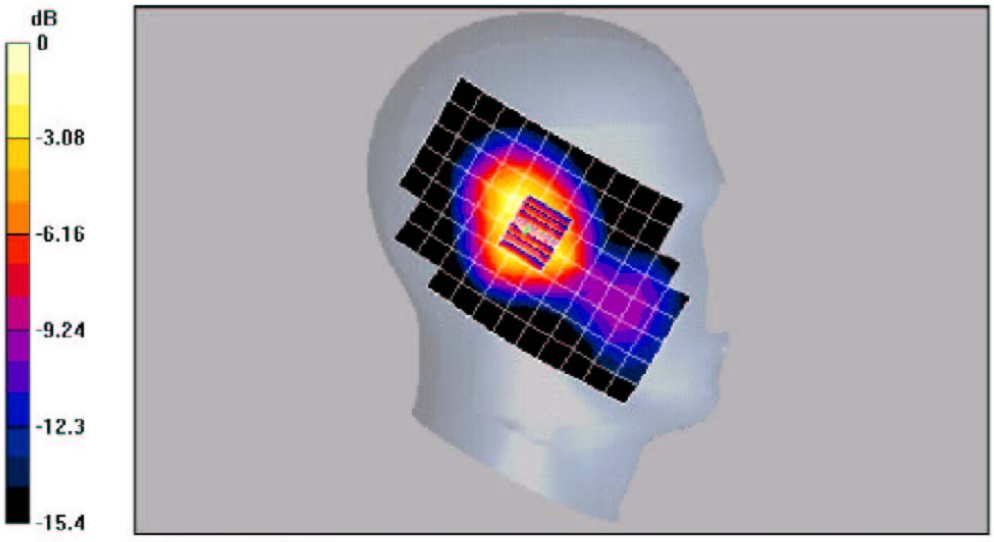
DASY4 Configuration:
Probe: ET3DV6 - SN1712, ConvF(5.3, 5.3, 5.3), Calibrated: 9/19/2003
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn530, Calibrated: 12/22/2003
Measurement SW: DASY4, V4.2 Build 44
Postprocessing SW: SEMCAD, V1.8 Build 112

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

PCS ch1175 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!



0 dB = 0.914mW/g

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 MHz; σ = 1.43 mho/m, ε_r = 41; ρ = 1000 kg/m^3
Phantom: SAM 12, Phantom section: Right Section

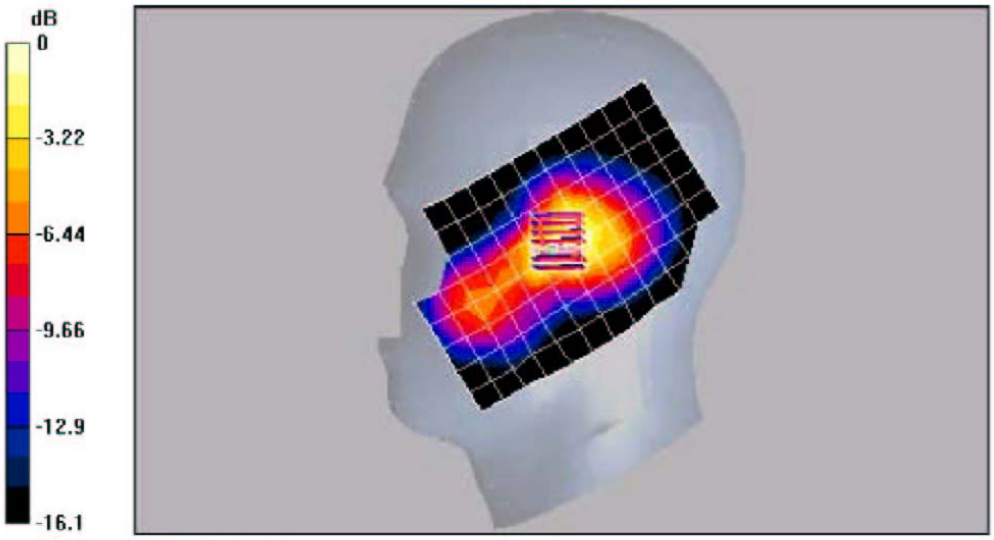
DASY4 Configuration:
Probe: ET3DV6 - SN1712, ConvF(5.3, 5.3, 5.3), Calibrated: 9/19/2003
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn530, Calibrated: 12/22/2003
Measurement SW: DASY4, V4.2 Build 44
Postprocessing SW: SEMCAD, V1.8 Build 112

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

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

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

Date/Time: 06/14/04 13:44:10

Test Laboratory: Kyocera

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

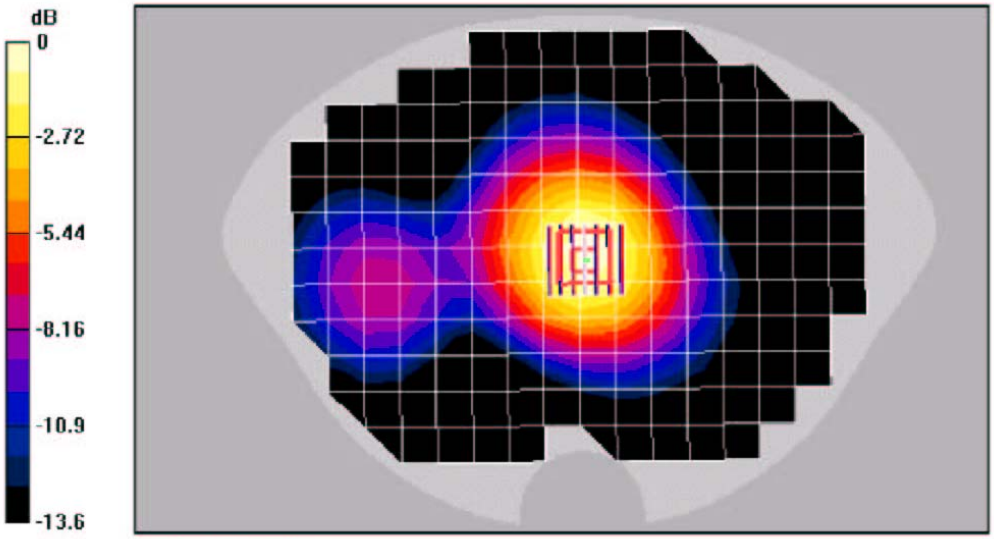
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: M1800,Medium parameters used: f = 1880 MHz, σ = 1.57 mho/m, ε_r = 53.5; p = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section

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

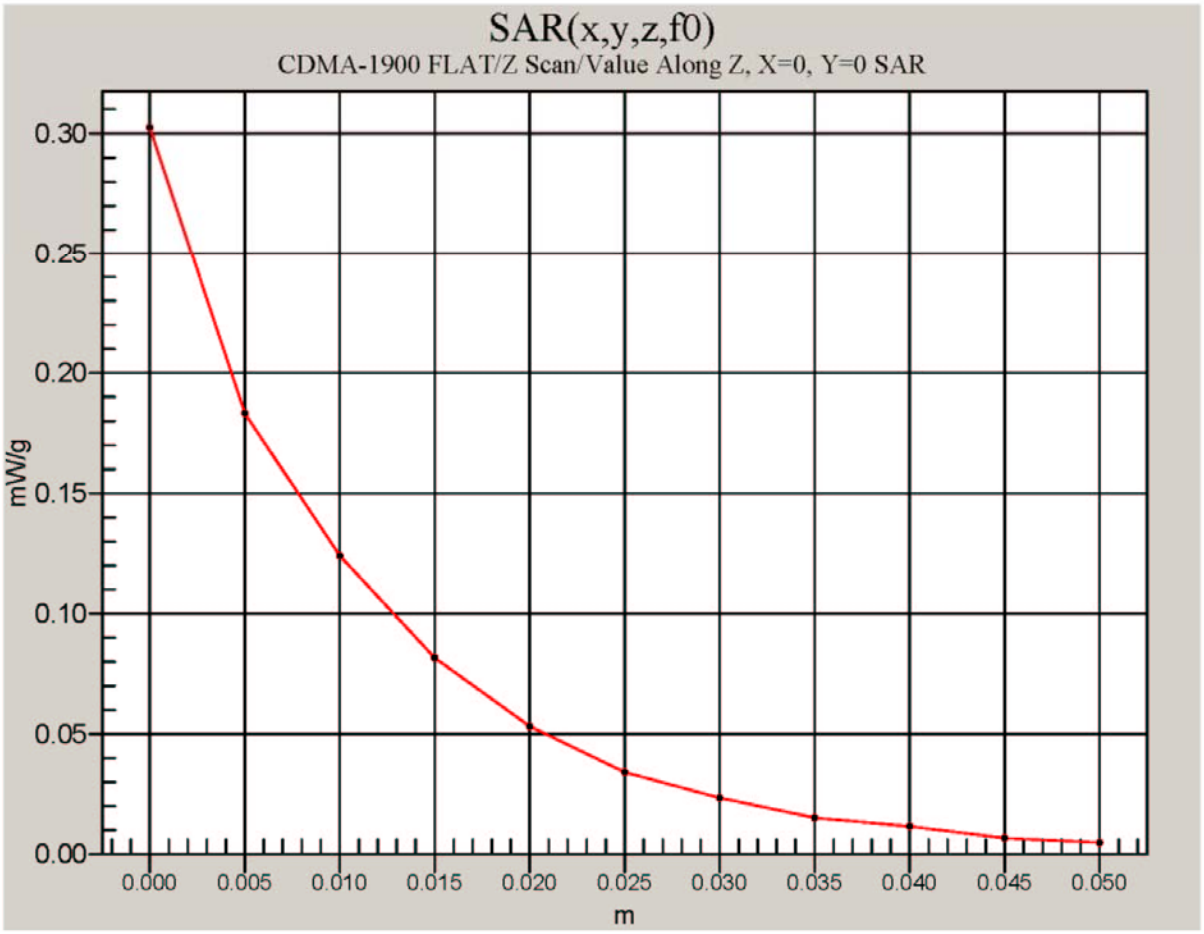
Temperature:
Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

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


SAR(x,y,z,f0)
CDMA-1900 FLAT/Z Scan/Value Along Z, X=0, Y=0 SAR
mW/g
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.000
0.005
0.010
0.015
0.020
0.025
0.030
0.035
0.040
0.045
0.050
m

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

Test Laboratory: Kyocera

K483LC #B7BF PCS ch600 Flat with 22.5mm Air Space

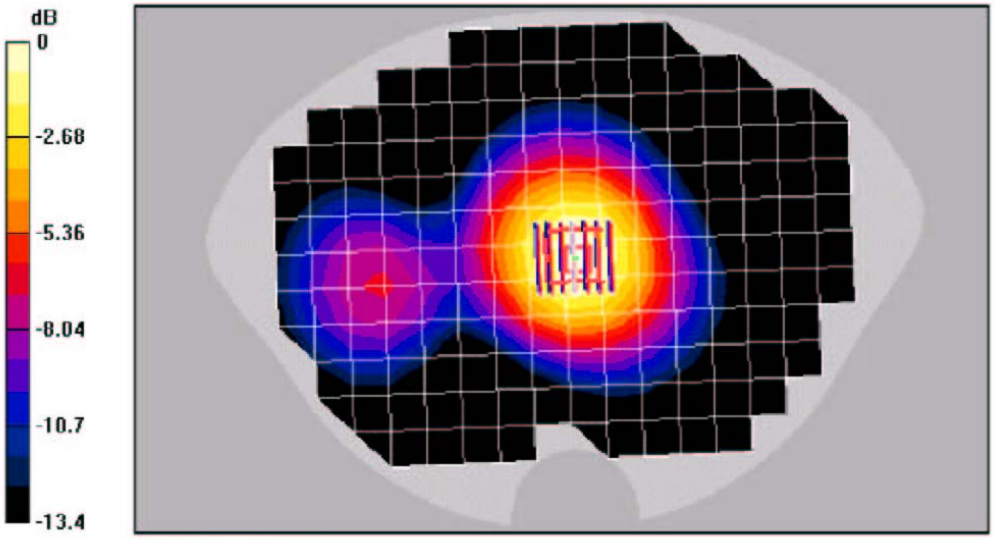
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: M1800,Medium parameters used: f = 1880 MHz, σ = 1.57 mho/m, ε_r = 53.5; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section

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

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

Test Laboratory: Kyocera

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

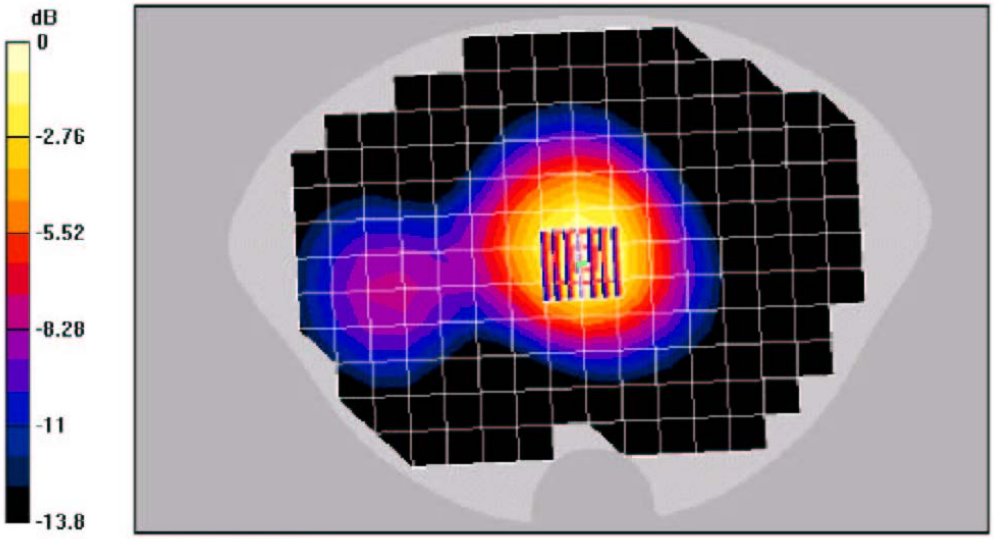
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: M1800,Medium parameters used: f = 1880 MHz, σ = 1.57 mho/m, ε_r = 53.5; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section

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) = 0.648 W/kg
SAR(1 g) = 0.400 mW/g; SAR(10 g) = 0.248 mW/g



0 dB = 0.431mW/g

Date/Time: 06/14/04 12:23:45

Test Laboratory: Kyocera

K483LC #B7BF PCS ch600 Flat with Belt Clip

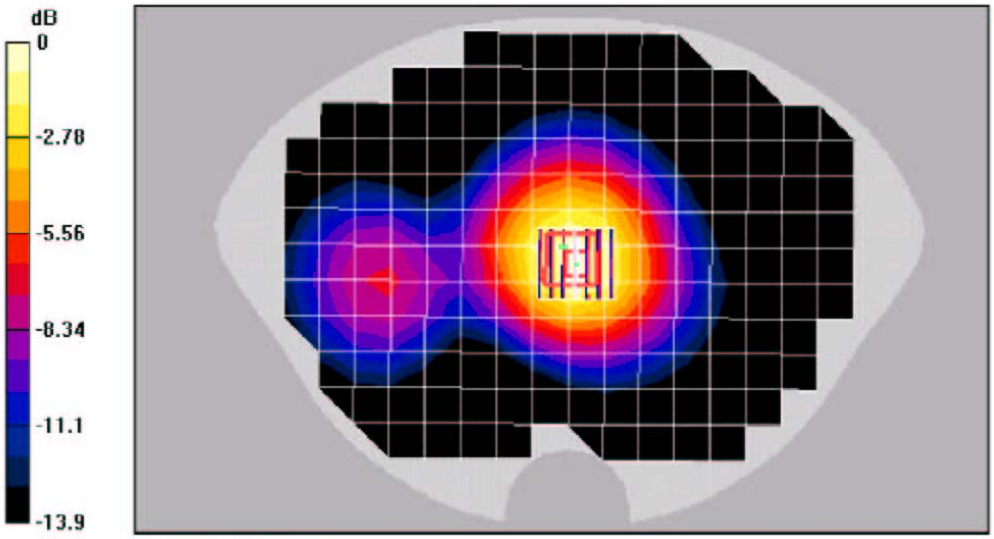
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: M1800,Medium parameters used: f = 1880 MHz, σ = 1.57 mho/m, ε_r = 53.5; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section

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 Drift = -0.1 dB
Maximum value of SAR (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

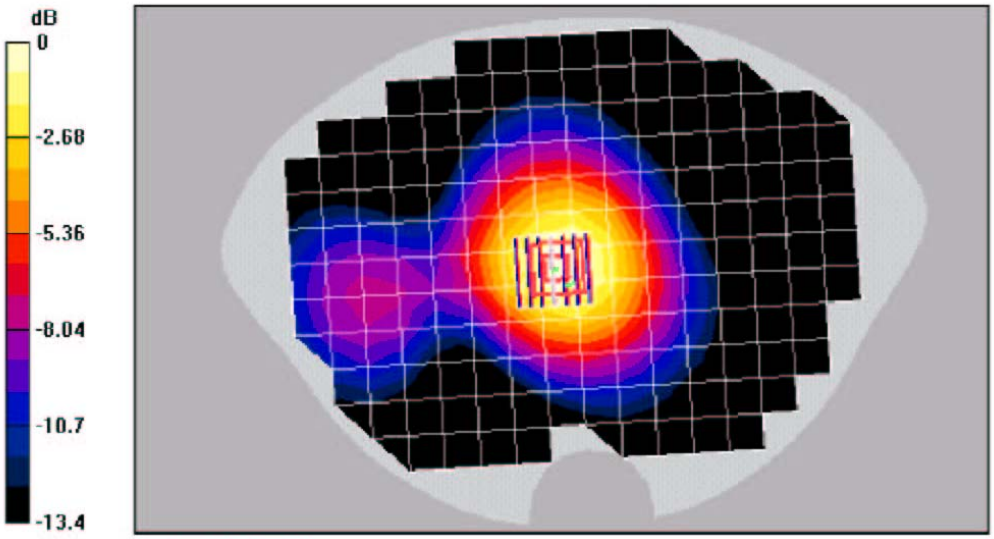
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: M1800,Medium parameters used: f = 1880 MHz, σ = 1.57 mho/m, ε_r = 53.5; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section

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 Drift = -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



0 dB = 0.321mW/g

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

Test Laboratory: Kyocera

K483LC #B7BF PCS ch600 Flat with Leather Case

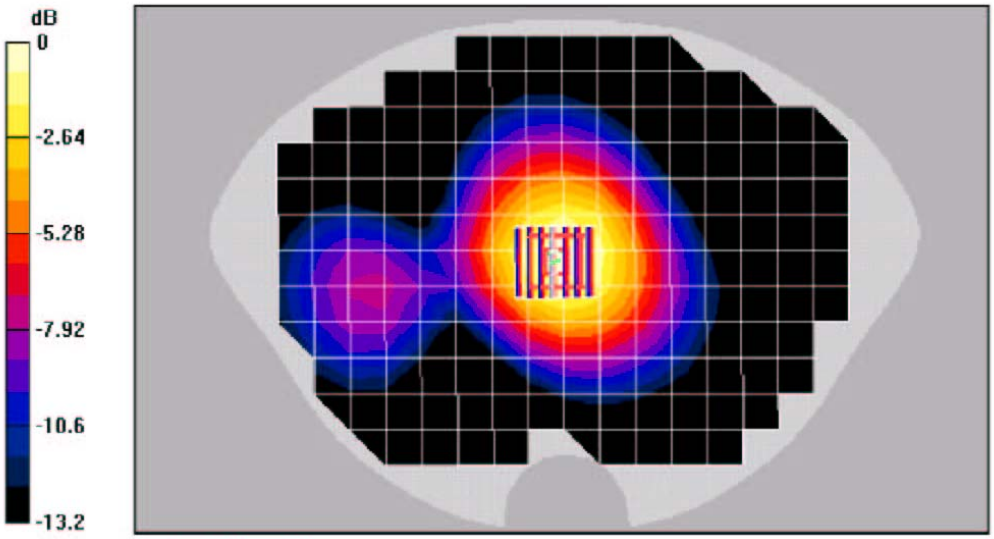
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: M1800,Medium parameters used: f = 1880 MHz, σ = 1.57 mho/m, ε_r = 53.5; p = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section

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

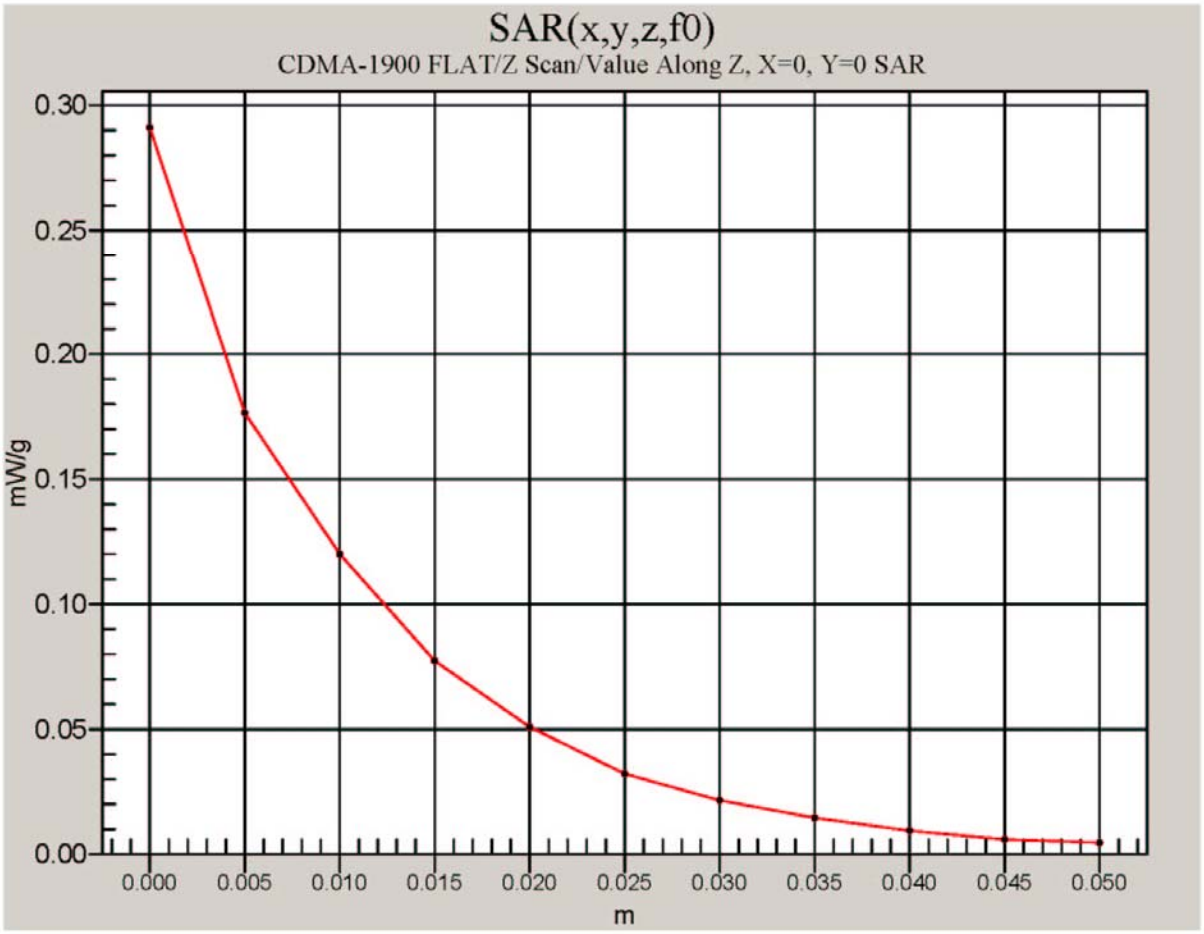
Temperature:
Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

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

Reference Value = 15.5 V/m; Power Drift = -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



0 dB = 0.334mW/g


SAR(x,y,z,f0)
CDMA-1900 FLAT/Z Scan/Value Along Z, X=0, Y=0 SAR
mW/g
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.000
0.005
0.010
0.015
0.020
0.025
0.030
0.035
0.040
0.045
0.050
m

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

Test Laboratory: Kyocera

K483LC #B7BF PCS ch600 Right Tilt

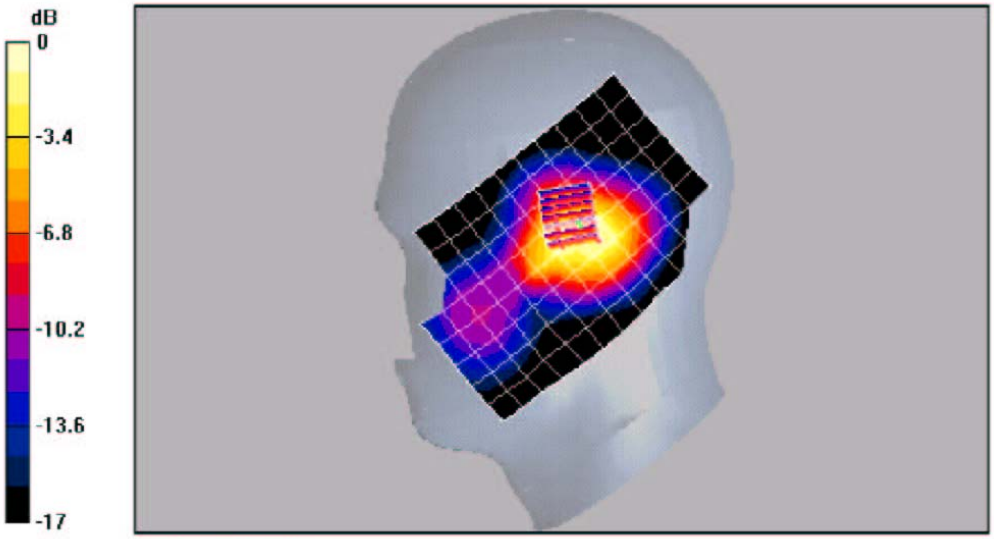
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: Head 1900 MHz, Medium parameters used: f = 1880 MHz, σ = 1.43 mho/m; ε_r = 41; ρ = 1000 kg/m^3
Phantom: SAM 12, Phantom section: Right Section

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

Reference Value = 27.1 V/m; Power Drift = 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