

**Appendix B-3:**  
**CDMA 1900 (Head)**  
**SAR Distribution Plots**

Date/Time: 04/14/05 05:41:49

Test Laboratory: Kyocera

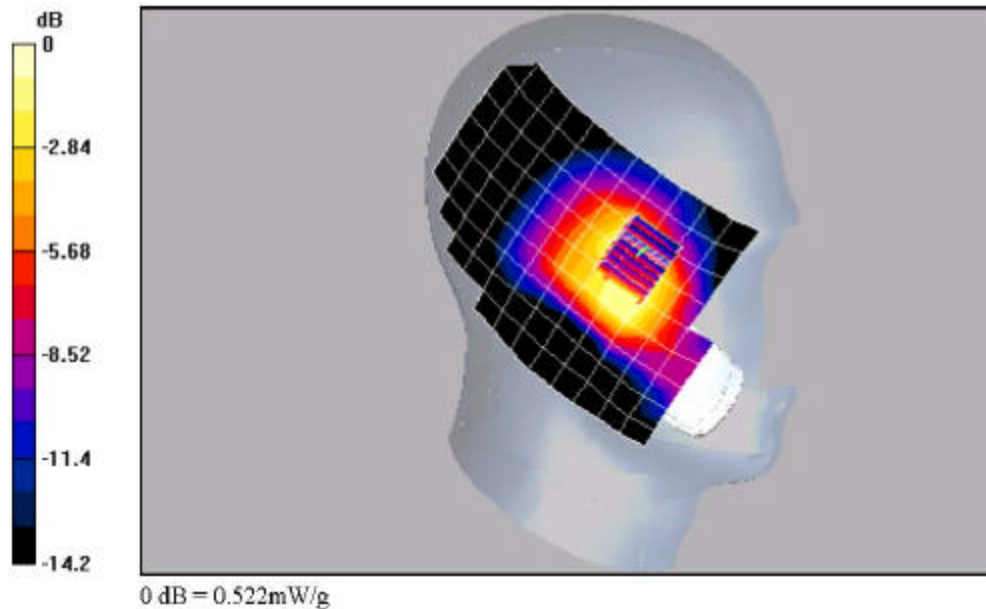
**KX5-5C0 #R6JD CDMA-1900 ch600 Left Cheek Phone Open**

Communication System: CDMA-1900, Frequency: 1830 MHz, Duty Cycle: 1:1  
 Medium: HSL1800, Medium parameters used:  $f = 1830 \text{ MHz}$ ,  $\sigma = 1.37 \text{ mho/m}$ ,  $\epsilon_r = 40.5$ ,  $\rho = 1000 \text{ kg/m}^3$   
 Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**  
 Probe: ET3DV6 - SN1664, ConvF(5.43, 5.43, 5.43), Calibrated: 9/2/2004  
 Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),  
 Electronic: DAE4 Sn600, Calibrated: 8/27/2004  
 Measurement SW: DASY4, V4.4 Build 3  
 Postprocessing SW: SEMCAD, V1.8 Build 130

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

**CDMA-1900 Ch600 LC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 11.1 V/m; Power Dcft = 0.2 dB  
 Peak SAR (extrapolated) = 0.823 W/kg  
 SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.282 mW/g  
 Maximum value of SAR (measured) = 0.522 mW/g



Date/Time: 04/14/05 05:41:49

Test Laboratory: Kyocera

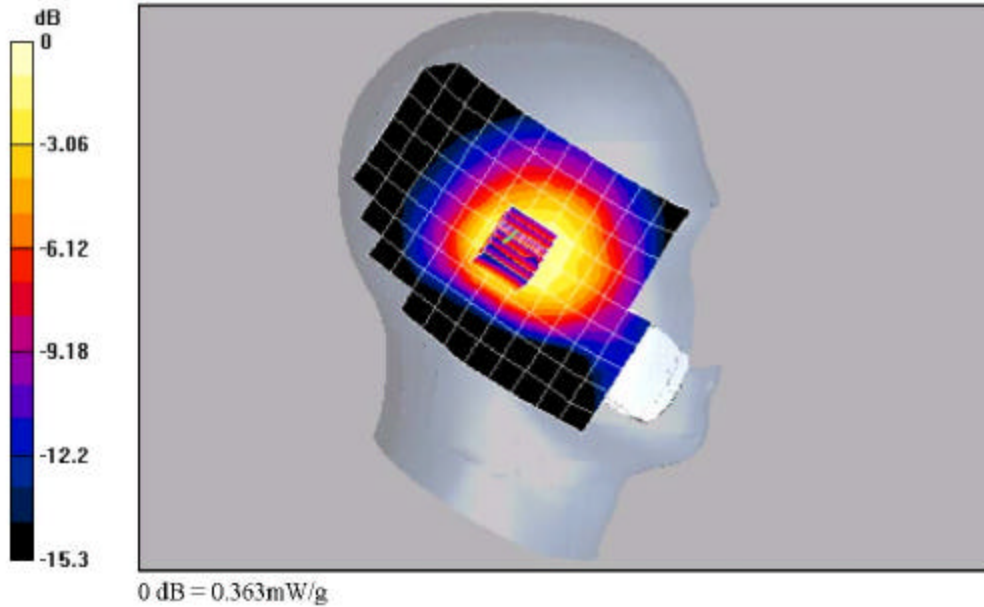
### KX5-5C0 #R6JD CDMA-1900 ch600 Left Tilt Phone Open

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1  
Medium: HSL1800, Medium parameters used:  $f = 1880$  MHz,  $\sigma = 1.37$  mho/m,  $\epsilon_r = 40.5$ ,  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom: SAM 12 Phantom section: Left Section

**DASY4 Configuration:**  
Probe: ET3DV6 - SN1664, ConvF(5.43, 5.43, 5.43), Calibrated 9/2/2004  
Sensor Surface: 4mm (Mechanical And Optical Surface Detection),  
Electronics: DAE4 Sn602, Calibrated: 8/27/2004  
Measurement SW: DASY4, V4.4 Build 3  
Postprocessing SW: SEMCAD, V1.8 Build 130

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

**CDMA-1900 Ch600 LT/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 15.7 W/m; Power Drift = 0.1 dB  
Peak SAR (extrapolated) = 3.96 W/kg  
**SAR(1 g) = 0.327 mW/g; SAR(10 g) = 0.204 mW/g**  
Maximum value of SAR (measured) = 0.363 mW/g



Date/Time: 04/14/05 07:01:32

Test Laboratory: Kyocera

**KX5-5C0 #R6JD CDMA-1900 ch600 Right Cheek Phone Open**

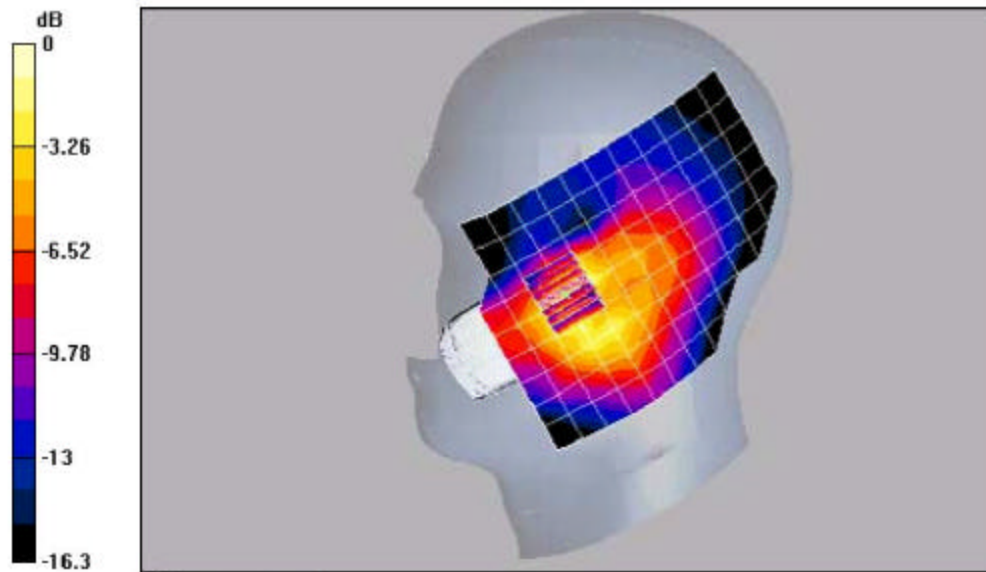
Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1  
 Medium: HSL1800, Medium parameters used:  $f = 1880 \text{ MHz}$ ,  $\sigma = 1.37 \text{ mho/m}$ ,  $\epsilon_r = 40.5$ ,  $\rho = 1000 \text{ kg/m}^3$   
 Phantom: SAM 12 Phantom section: Right Section

**DASY4 Configuration:**  
 Probe: ET3D76 - SN1664, ConvF(5.43, 5.43, 5.43), Calibrated: 9/2/2004  
 Sensor Surface: 4mm (Mechanical And Optical Surface Detection),  
 Electronics: DAE4 Sn602, Calibrated: 8/27/2004  
 Measurement SW: DASY4, V4.4 Build 3  
 Postprocessing SW: SEMCAD, V1.8 Build 130

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

**CDMA-1900 Ch600 RC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $\Delta x=5\text{mm}$ ,  $\Delta y=5\text{mm}$ ,  $\Delta z=5\text{mm}$

Reference Value = 9.75 V/m, Power Drift = -0.0 dB  
 Peak SAR (extrapolated) = 0.473 W/kg  
**SAR(1g) = 0.345 mW/g; SAR(10g) = 0.210 mW/g**  
 Maximum value of SAR (measured) = 0.379 mW/g



0 dB = 0.379mW/g

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Test Laboratory: Kyocera

**KX5-5C0 #R6JD CDMA-1900 ch600 Right Tilt Phone Open, Extended Battery**

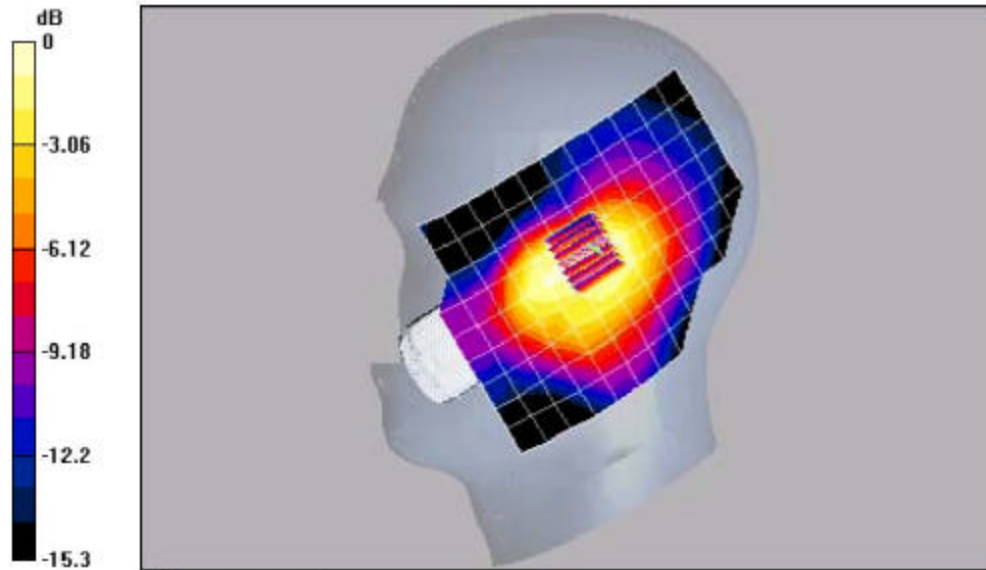
Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1  
 Medium: HSL1800, Medium parameters used:  $f = 1880$  MHz,  $\sigma = 1.37$  mho/m,  $\epsilon_r = 40.5$ ,  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom: SAM 12 Phantom section: Right Section

**DASY4 Configuration:**  
 Probe: ET3D76 - SN1664, ConvF(5.43, 5.43, 5.43), Calibrated: 9/2/2004  
 Sensor Surface: 4mm (Mechanical And Optical Surface Detection),  
 Electronic: DAE4 Sn602, Calibrated: 8/27/2004  
 Measurement SW: DASY4, V4.4 Build 3  
 Postprocessing SW: SEMCAD, V1.8 Build 130

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

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

Reference Value = 14.3 V/m, Power Drift = 0.006 dB  
 Peak SAR (extrapolated) = 0.400 W/kg  
**SAR(1g) = 0.253 mW/g; SAR(10g) = 0.162 mW/g**  
 Maximum value of SAR (measured) = 0.273 mW/g



0 dB = 0.273mW/g

Date/Time: 04/14/05 14:10:44

Test Laboratory: Kyocera

**KX5-5C0 #R6JD CDMA-1900 ch25 Left Cheek Phone Closed, Extended Battery**

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1  
 Medium: HSL1800, Medium parameters used (interpolated):  $f = 1851.25 \text{ MHz}$ ,  $\sigma = 1.37 \text{ mho/m}$ ,  $\epsilon_r = 40.5$ ,  $\rho = 1000 \text{ kg/m}^3$   
 Phantom: SAM 12 Phantom section: Left Section

**DASY4 Configuration:**  
 Probe: ET3DV6 - SN1664, ConvF(5.43, 5.43, 5.43), Calibrated: 9/2/2004  
 Sensor Surface: 4mm (Mechanical And Optical Surface Detection),  
 Electronics: DA64 Sn602, Calibrated: 8/27/2004  
 Measurement SW: DASY4, V4.4 Build 3  
 Postprocessing SW: SEMCAD, V1.3 Build 130

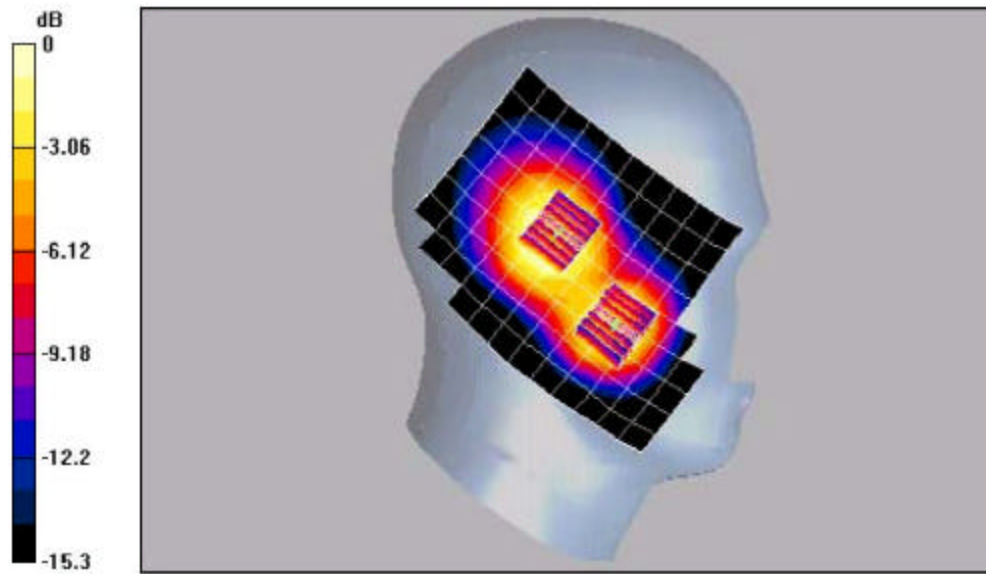
**Temperature**  
 Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

**CDMA-1900 Ch25 LC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $\Delta x=5\text{mm}$ ,  $\Delta y=5\text{mm}$ ,  $\Delta z=5\text{mm}$

Reference Value = 26.2 V/m, Power Dcfit = 0.1 dB  
 Peak SAR (extrapolated) = 1.51 W/kg  
**SAR(1 g) = 0.980 mW/g SAR(10 g) = 0.588 mW/g**  
 Info: Interpolated medium parameters used for SAR evaluation!  
 Maximum value of SAR (measured) = 1.06 mW/g

**CDMA-1900 Ch25 LC/Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $\Delta x=5\text{mm}$ ,  $\Delta y=5\text{mm}$ ,  $\Delta z=5\text{mm}$

Reference Value = 26.2 V/m, Power Dcfit = 0.1 dB  
 Peak SAR (extrapolated) = 0.941 W/kg  
**SAR(1 g) = 0.706 mW/g SAR(10 g) = 0.452 mW/g**  
 Info: Interpolated medium parameters used for SAR evaluation!  
 Maximum value of SAR (measured) = 0.762 mW/g



0 dB = 0.762mW/g

Date/Time: 04/13/05 10:47:09

Test Laboratory: Kyocera

**KX5-5C0 #R6JD CDMA-1900 ch600 Left Tilt Phone Closed**

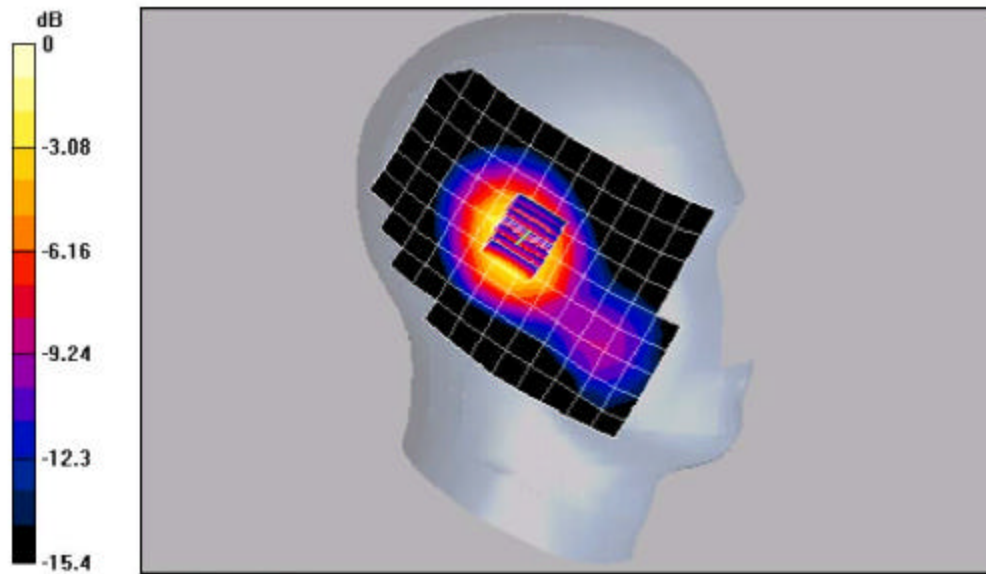
Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1  
 Medium: HSL1800, Medium parameters used:  $f = 1880$  MHz,  $\sigma = 1.35$  mho/m,  $\epsilon_r = 41.1$ ,  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom: SAM 1.2, Phantom section: Left Section

**DASY4 Configuration:**  
 Probe: ETS-DV6 - SN1664, ConvF(5.43, 5.43, 5.43), Calibrated: 9/2/2004  
 Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)  
 Electronic: DAE4 Sn602, Calibrated: 8/27/2004  
 Measurement SW: DASY4, V4.4 Build 3  
 Postprocessing SW: SEMCAD, V1.8 Build 130

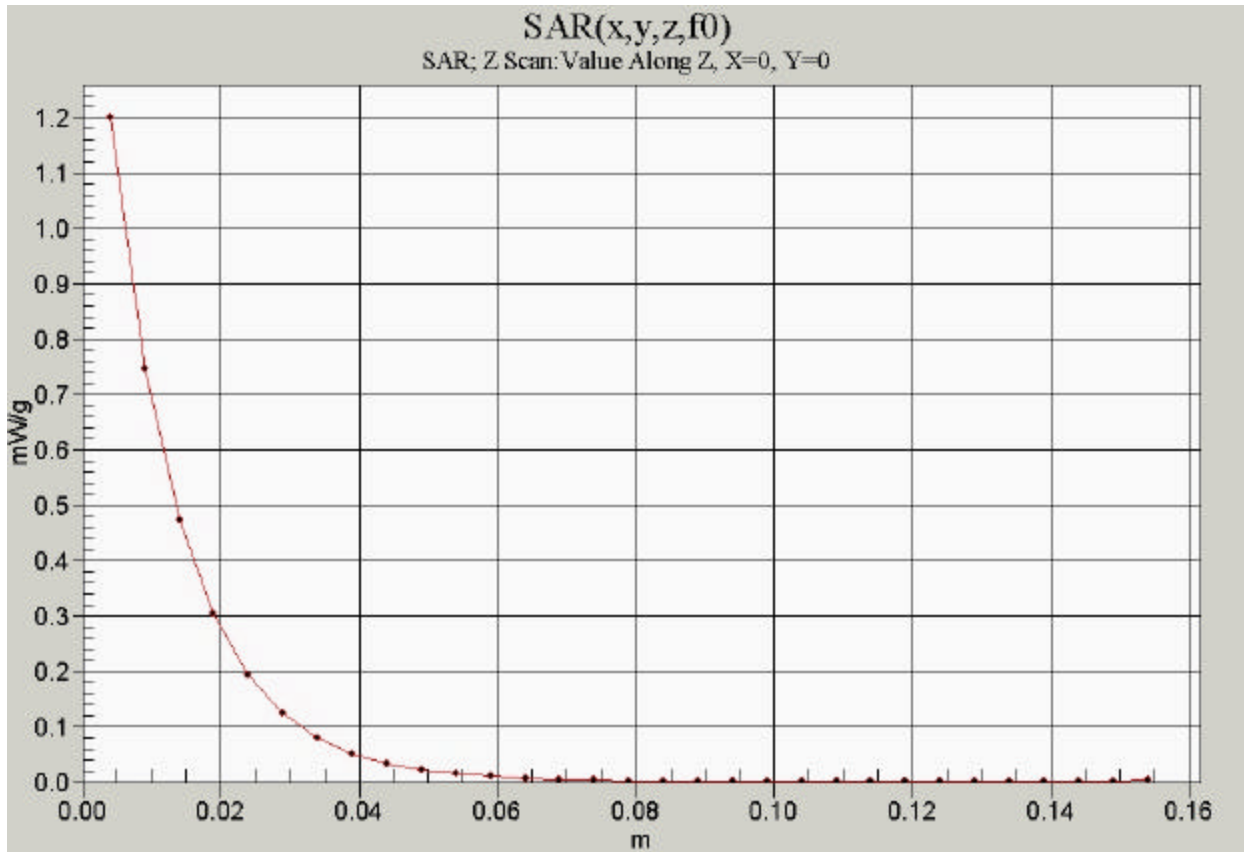
**Temperature**  
 Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

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

Reference Value = 30.2 V/m, Power Drift = -0.2 dB  
 Peak SAR (extrapolated) = 1.9 W/kg  
 SAR(1g) = 1.21 mW/g, SAR(10g) = 0.723 mW/g  
 Maximum value of SAR (measured) = 1.52 mW/g



0 dB = 1.32mW/g





Date/Time: 04/14/05 02:43:08

Test Laboratory: Kyocera

**KX5-5C0 #R6JD CDMA-1900 ch600 Right Cheek Phone Closed, Extended Battery**

Communication System: CDMA-1900, Frequency: 1830 MHz, Duty Cycle: 1:1  
 Medium: HSL1800, Medium parameters used:  $f = 1830 \text{ MHz}$ ,  $\sigma = 1.37 \text{ mho/m}$ ,  $\epsilon_r = 40.5$ ,  $\rho = 1000 \text{ kg/m}^3$   
 Phantom: SAM 1.2 Phantom section: Right Section

**DASY4 Configuration:**  
 Probe: ET3DV6 - SN1664, ConvF(5.43, 5.43, 5.43), Calibrated: 9/2/2004  
 Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),  
 Electronic: DAE4 Sn602, Calibrated: 8/27/2004  
 Measurement SW: DASY4, V4.4 Build 3  
 Postprocessing SW: SEMCAD, V1.3 Build 130

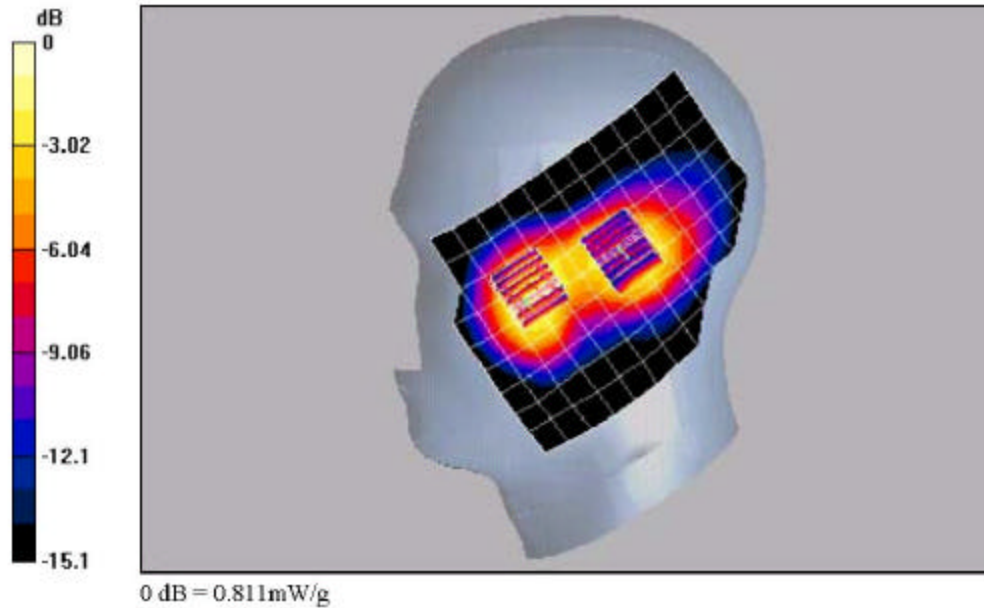
**Temperature:**  
 Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

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

Reference Value = 23.9 V/m, Power Dcft = -0.1 dB  
 Peak SAR (extrapolated) = 0.938 W/kg  
**SAR(1g) = 0.729 mW/g SAR(10g) = 0.479 mW/g**  
 Maximum value of SAR (measured) = 0.762 mW/g

**CDMA-1900 Ch600 RC/Zoom Scan (7x7x7)/Cube 1:** Measurement grid  $dx=5mm, dy=5mm, dz=5mm$

Reference Value = 23.9 V/m, Power Dcft = -0.1 dB  
 Peak SAR (extrapolated) = 1.13 W/kg  
**SAR(1g) = 0.725 mW/g SAR(10g) = 0.447 mW/g**  
 Maximum value of SAR (measured) = 0.611 mW/g



Date/Time: 04/14/05 15:57:27

Test Laboratory: Kyocera

**KX5-5C0 #R6JD CDMA-1900 ch600 Right Tilt Phone Closed**

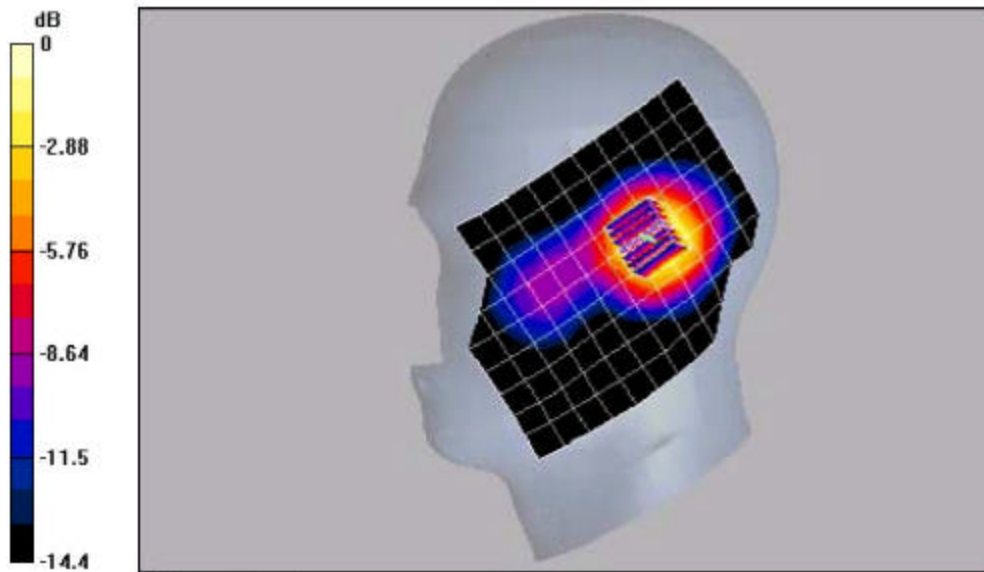
Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1  
 Medium: HSL1800, Medium parameters used:  $f = 1880 \text{ MHz}$ ,  $\sigma = 1.37 \text{ mho/m}$ ,  $\epsilon_r = 40.5$ ,  $\rho = 1000 \text{ kg/m}^3$   
 Phantom: SAM 12 Phantom section: Right Section

**DASY4 Configuration:**  
 Probe: ET3DV6 - SN1664, ConvF(5.43, 5.43, 5.43), Calibrated: 9/2/2004  
 Sensor Surface: 4mm (Mechanical And Optical Surface Detection),  
 Electronic: DAE4 Sn602, Calibrated: 8/27/2004  
 Measurement SW: DASY4, V4.4 Build 3  
 Postprocessing SW: SEMCAD, V1.3 Build 130

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

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

Reference Value = 27.9 V/m, Power Dn fit = -0.2 dB  
 Peak SAR (extrapolated) = 1.59 W/kg  
**SAR(1g) = 1.03 mW/g; SAR(10g) = 0.025 mW/g**  
 Maximum value of SAR (measured) = 1.13 mW/g



0 dB = 1.13mW/g