

**Appendix B1:**  
**SAR Distribution Plots (Head)**

Test Laboratory: Kyocera-Wireless Corp.

### K48-01 #YT5Y CDMA-1900 Ch600 with Left Cheek and Phone Open

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

Medium: HSL1900,Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 39.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12,Phantom section: Left Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1664, ConvF(5.08, 5.08, 5.08), Calibrated: 6/23/2008

Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),

Electronics: DAE4 Sn602,Calibrated: 6/25/2008

Measurement SW: DASY4, V4.7 Build 71

Postprocessing SW: SEMCAD, V1.8 Build 176

**Temperature:**

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

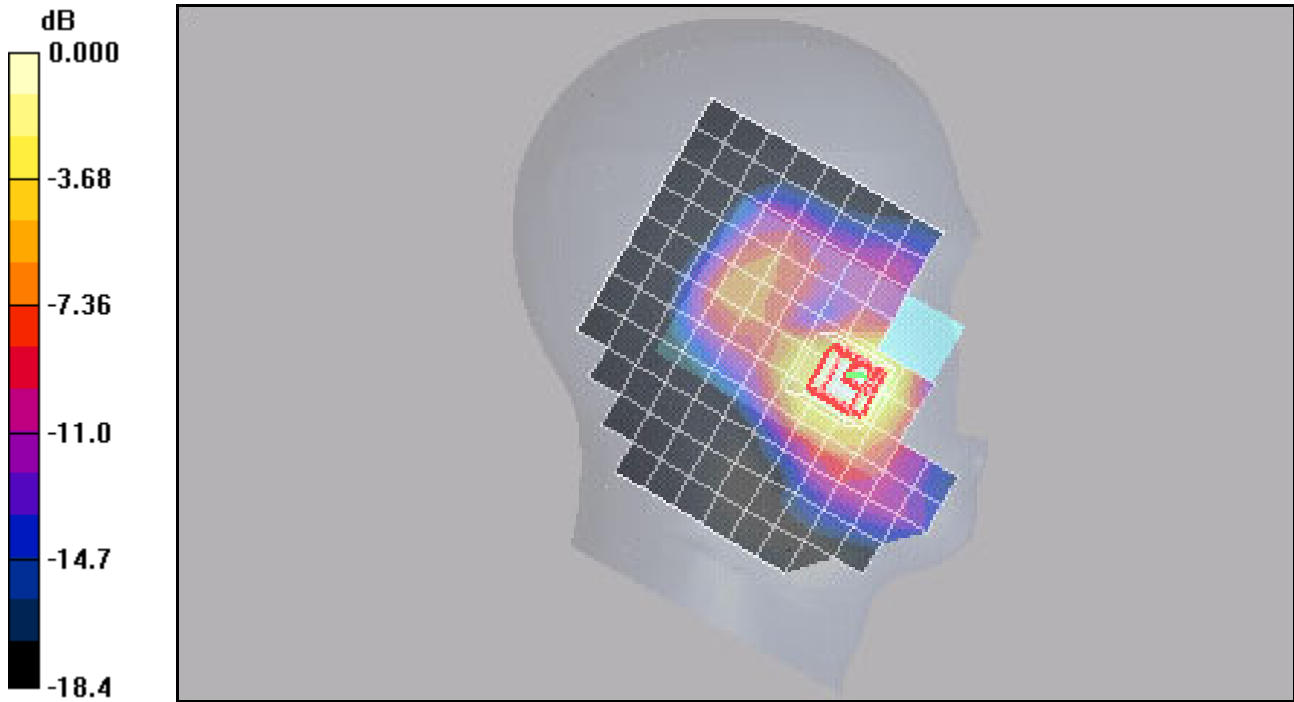
### CDMA-1900 Ch600 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.6 V/m; Power Drift = -0.131 dB

Peak SAR (extrapolated) = 2.17 W/kg

SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.731 mW/g

Maximum value of SAR (measured) = 1.34 mW/g



Test Laboratory: Kyocera-Wireless Corp.

### K48-01 #YT5Y CDMA-1900 Ch600 with Left Tilt and Phone Open

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

Medium: HSL1900,Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 39.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12,Phantom section: Left Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1664, ConvF(5.08, 5.08, 5.08), Calibrated: 6/23/2008

Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),

Electronics: DAE4 Sn602,Calibrated: 6/25/2008

Measurement SW: DASY4, V4.7 Build 71

Postprocessing SW: SEMCAD, V1.8 Build 176

**Temperature:**

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

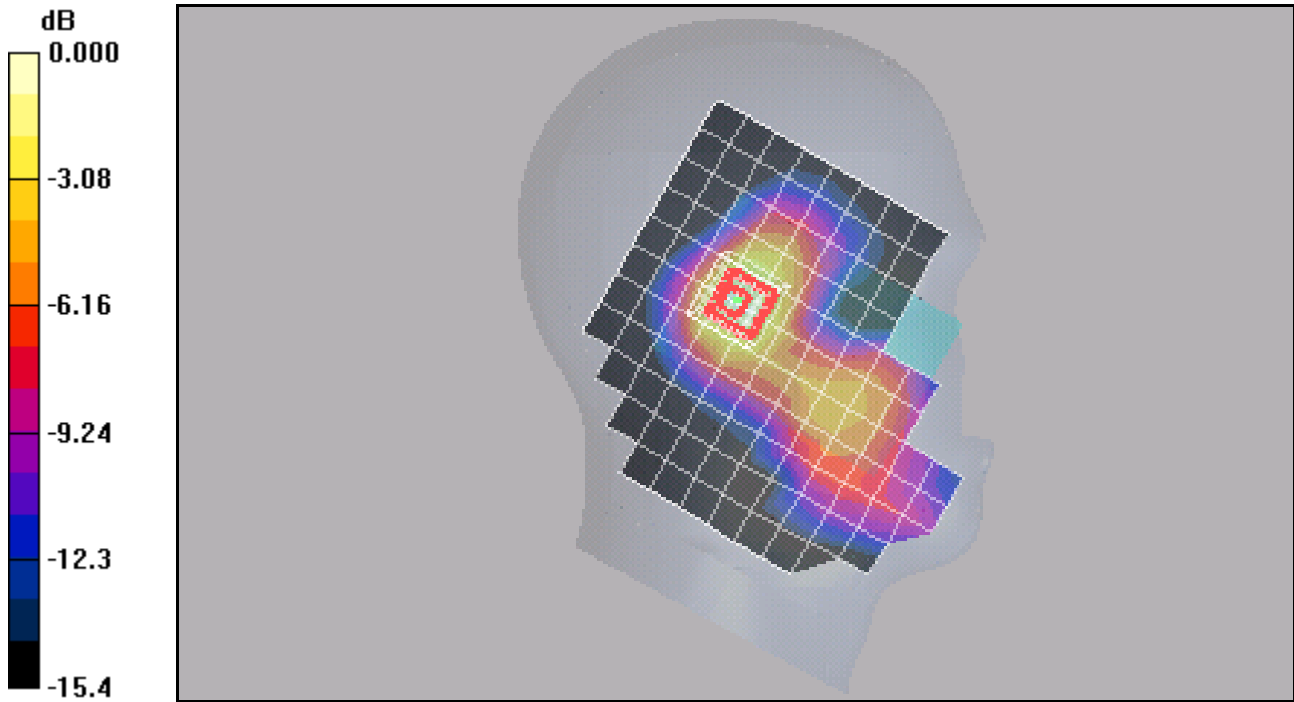
### CDMA-1900 Ch600 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.7 V/m; Power Drift = -0.072 dB

Peak SAR (extrapolated) = 0.688 W/kg

**SAR(1 g) = 0.427 mW/g; SAR(10 g) = 0.250 mW/g**

Maximum value of SAR (measured) = 0.474 mW/g



0 dB = 0.474mW/g

Test Laboratory: Kyocera-Wireless Corp.

### K48-01 #YT5Y CDMA-1900 Ch600 with Right Cheek and Phone Open

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

Medium: HSL1900,Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12,Phantom section: Right Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1664, ConvF(5.08, 5.08, 5.08), Calibrated: 6/23/2008

Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),

Electronics: DAE4 Sn602,Calibrated: 6/25/2008

Measurement SW: DASY4, V4.7 Build 71

Postprocessing SW: SEMCAD, V1.8 Build 176

**Temperature:**

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

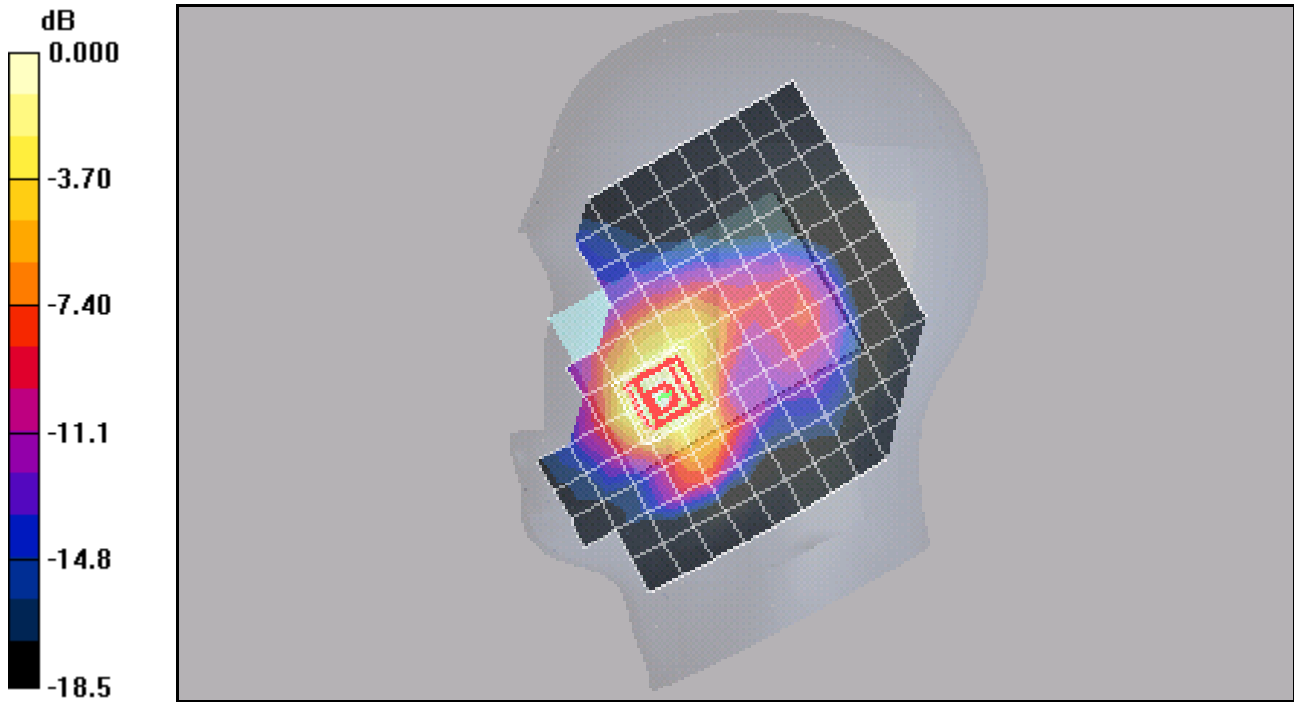
### CDMA-1900 Ch600 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.2 V/m; Power Drift = -0.017 dB

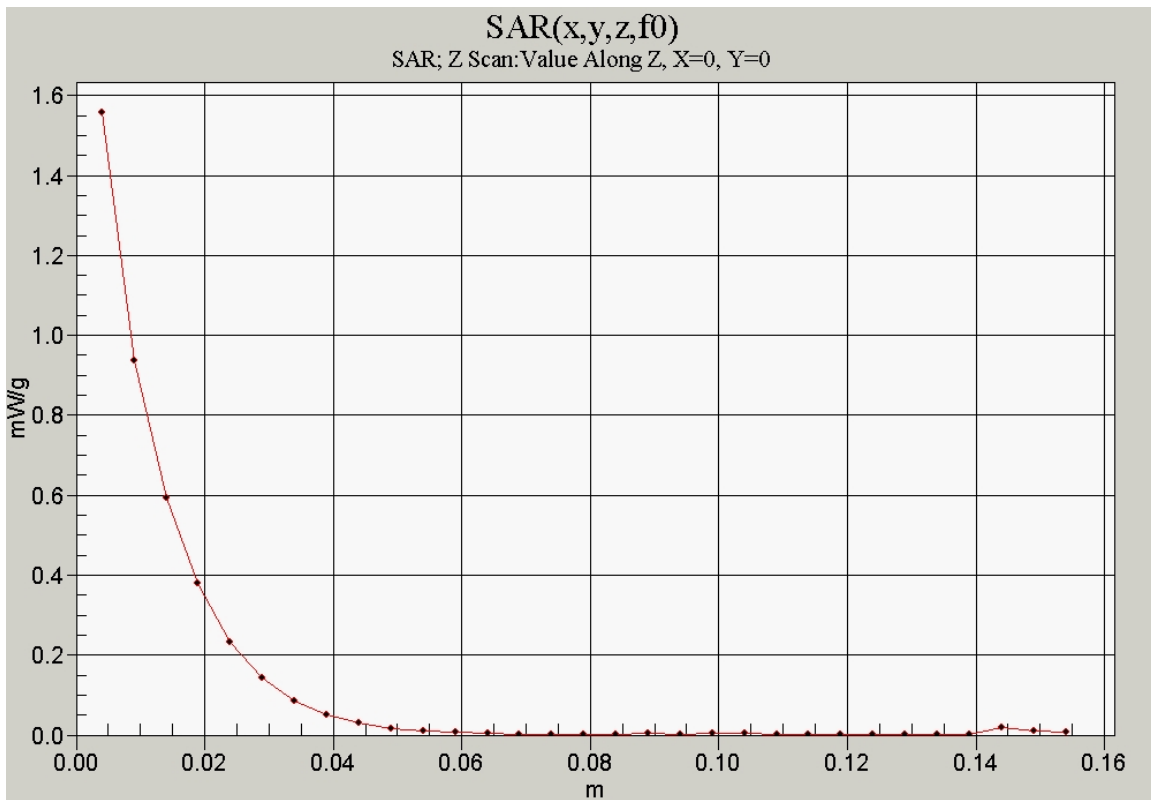
Peak SAR (extrapolated) = 2.57 W/kg

SAR(1 g) = 1.45 mW/g; SAR(10 g) = 0.799 mW/g

Maximum value of SAR (measured) = 1.60 mW/g



0 dB = 1.60mW/g



Test Laboratory: Kyocera-Wireless Corp.

### K48-01 #YT5Y CDMA-1900 Ch600 with Right Tilt and Phone Open

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

Medium: HSL1900,Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12,Phantom section: Right Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1664, ConvF(5.08, 5.08, 5.08), Calibrated: 6/23/2008

Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),

Electronics: DAE4 Sn602,Calibrated: 6/25/2008

Measurement SW: DASY4, V4.7 Build 71

Postprocessing SW: SEMCAD, V1.8 Build 176

**Temperature:**

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

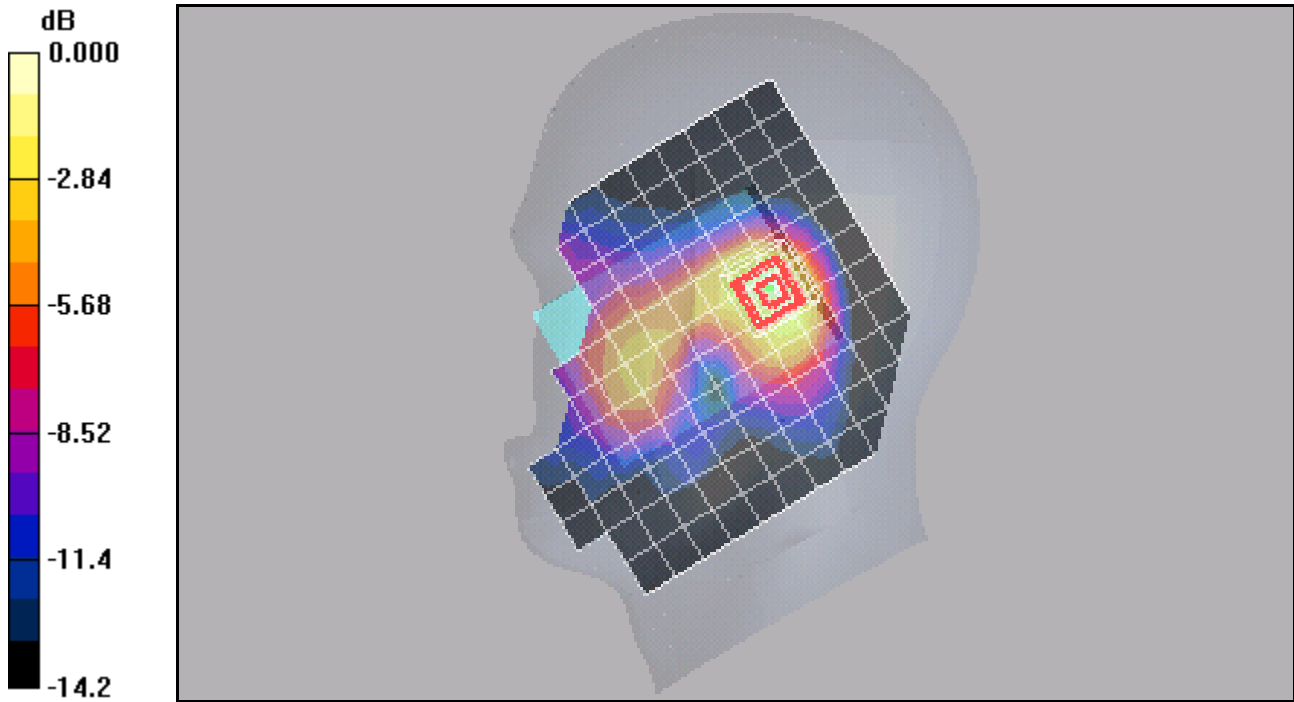
### CDMA-1900 Ch600 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.0 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 0.617 W/kg

**SAR(1 g) = 0.388 mW/g; SAR(10 g) = 0.225 mW/g**

Maximum value of SAR (measured) = 0.427 mW/g



Test Laboratory: Kyocera-Wireless Corp.

### K48-01 #YT5Y CDMA-1900 Ch600 with Left Cheek and Phone Closed

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

Medium: HSL1900,Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 39.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12,Phantom section: Left Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1664, ConvF(5.08, 5.08, 5.08), Calibrated: 6/23/2008

Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),

Electronics: DAE4 Sn602,Calibrated: 6/25/2008

Measurement SW: DASY4, V4.7 Build 71

Postprocessing SW: SEMCAD, V1.8 Build 176

**Temperature:**

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

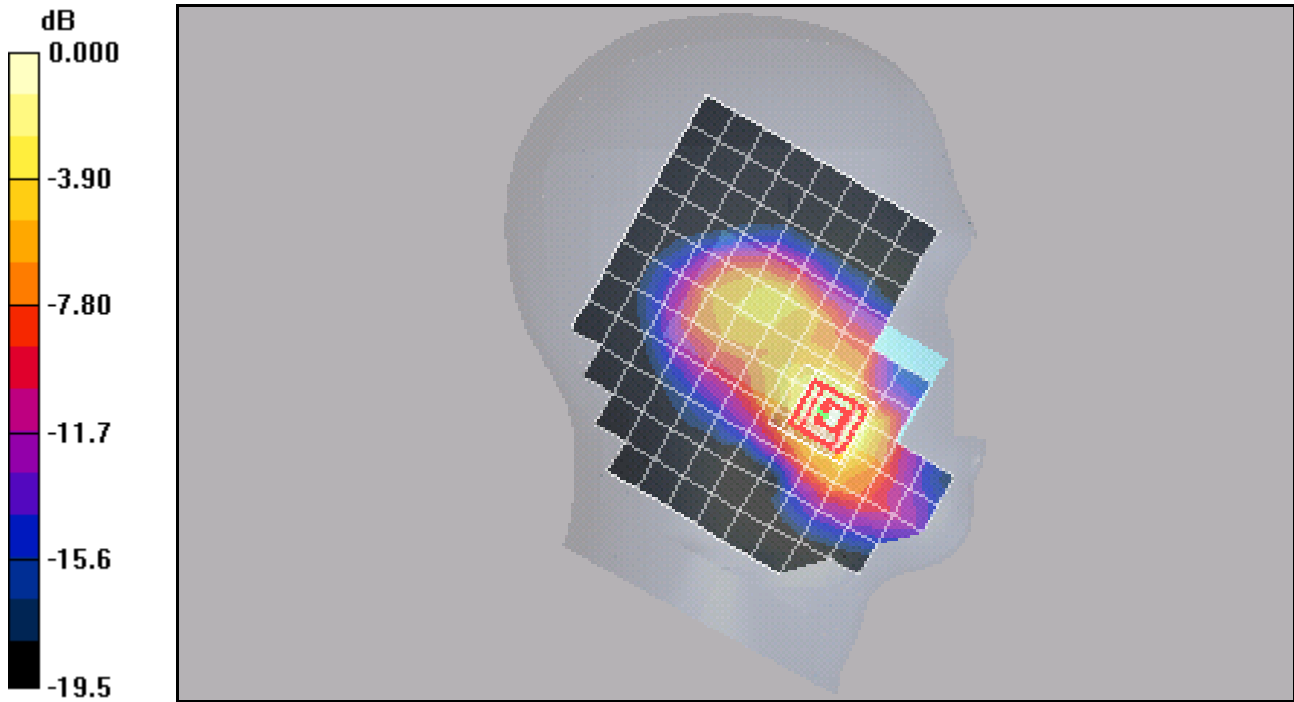
### CDMA-1900 Ch600 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.1 V/m; Power Drift = -0.151 dB

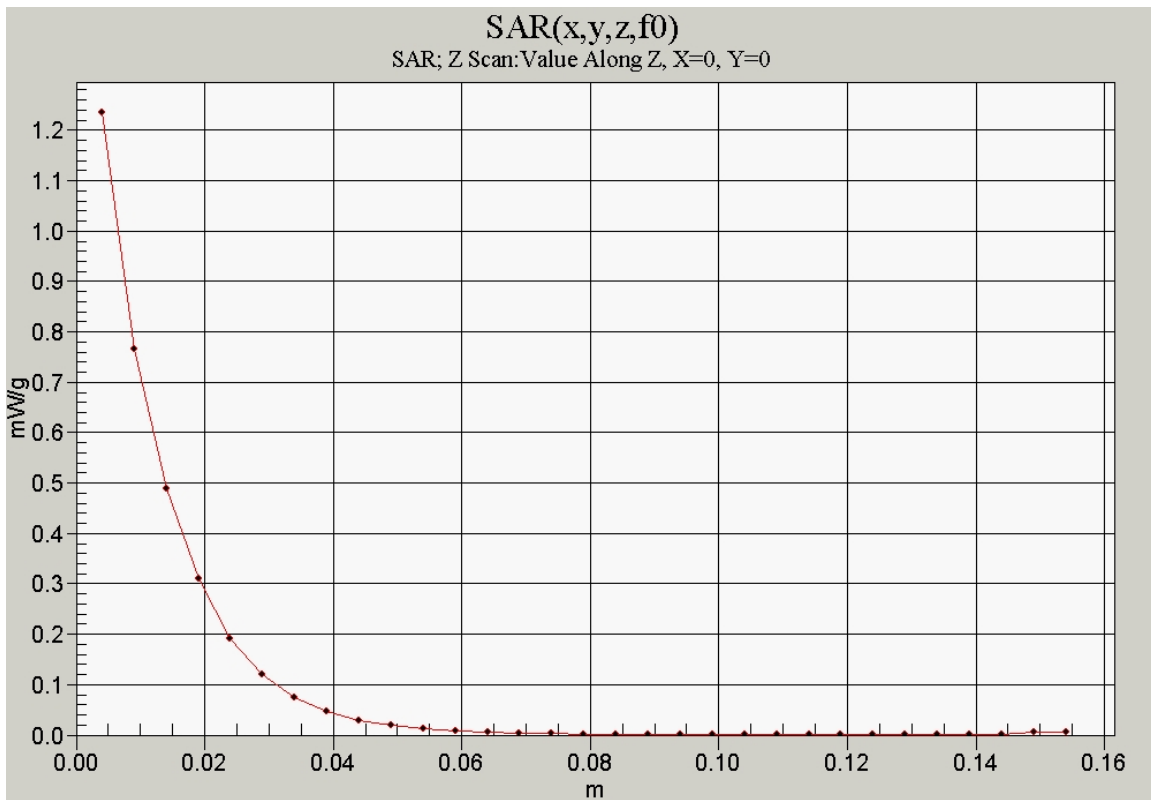
Peak SAR (extrapolated) = 2.06 W/kg

SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.683 mW/g

Maximum value of SAR (measured) = 1.36 mW/g



0 dB = 1.36mW/g





Test Laboratory: Kyocera-Wireless Corp.

### K48-01 #YT5Y CDMA-1900 Ch600 with Left Tilt and Phone Closed

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

Medium: HSL1900,Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 39.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12,Phantom section: Left Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1664, ConvF(5.08, 5.08, 5.08), Calibrated: 6/23/2008

Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),

Electronics: DAE4 Sn602,Calibrated: 6/25/2008

Measurement SW: DASY4, V4.7 Build 71

Postprocessing SW: SEMCAD, V1.8 Build 176

**Temperature:**

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

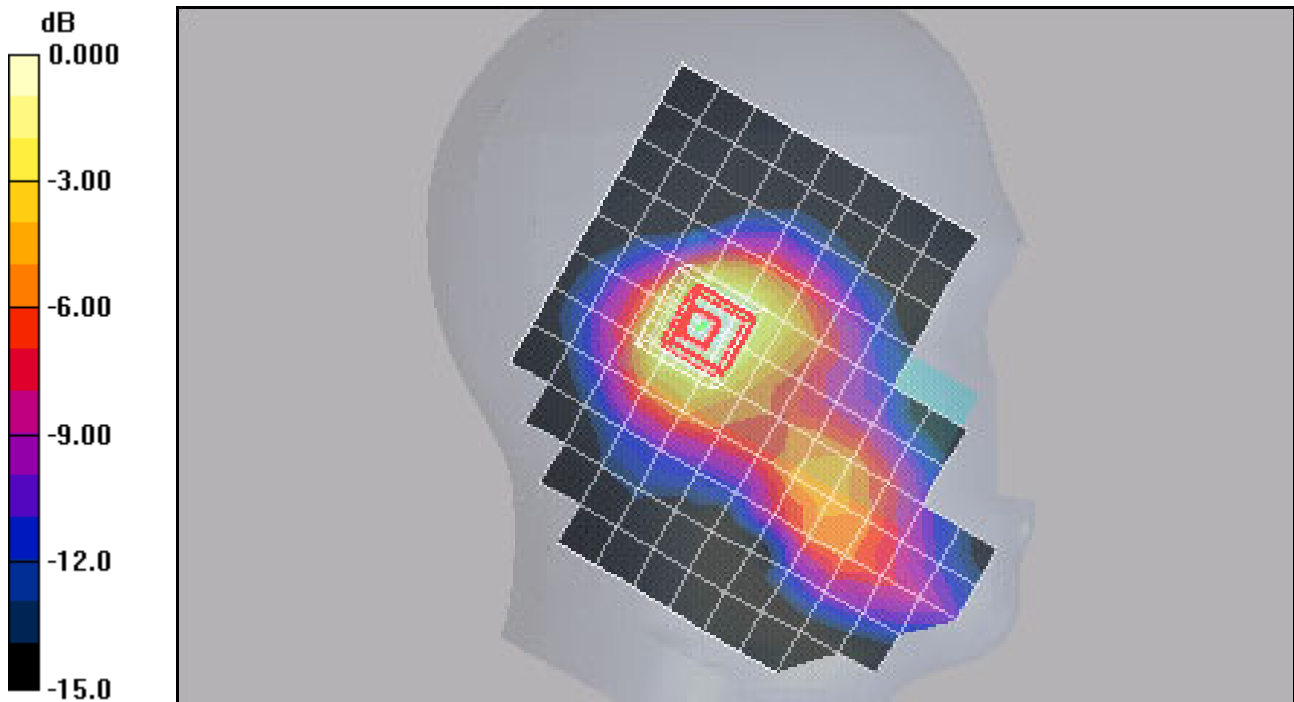
### CDMA-1900 Ch600 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.8 V/m; Power Drift = -0.137 dB

Peak SAR (extrapolated) = 0.721 W/kg

**SAR(1 g) = 0.451 mW/g; SAR(10 g) = 0.278 mW/g**

Maximum value of SAR (measured) = 0.487 mW/g



0 dB = 0.487mW/g

Test Laboratory: Kyocera-Wireless Corp.

## K48-01 #YT5Y CDMA-1900 Ch600 with Right Cheek and Phone Closed

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

Medium: HSL1900, Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 39.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Right Section

### DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(5.08, 5.08, 5.08), Calibrated: 6/23/2008

Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),

Electronics: DAE4 Sn602, Calibrated: 6/25/2008

Measurement SW: DASY4, V4.7 Build 71

Postprocessing SW: SEMCAD, V1.8 Build 176

### Temperature:

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

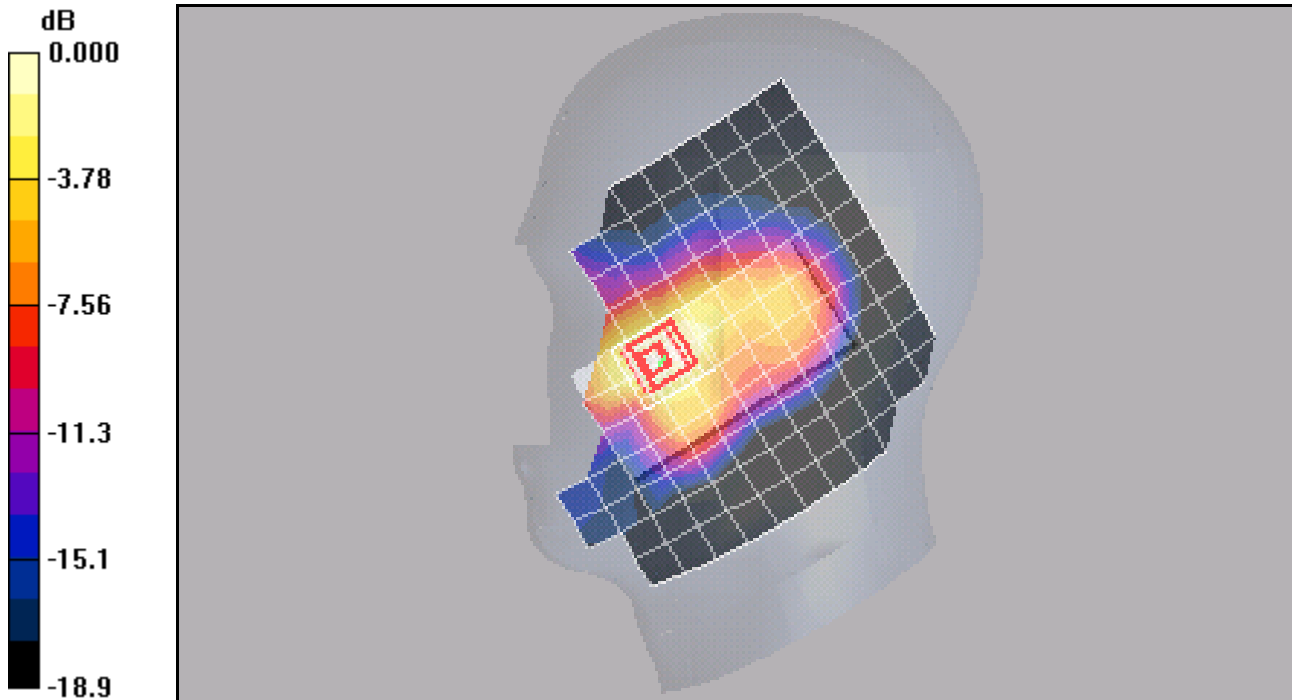
## CDMA-1900 Ch600 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.2 V/m; Power Drift = -0.102 dB

Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 0.911 mW/g; SAR(10 g) = 0.540 mW/g**

Maximum value of SAR (measured) = 0.996 mW/g



0 dB = 0.996mW/g

Test Laboratory: Kyocera-Wireless Corp.

### K48-01 #YT5Y CDMA-1900 Ch600 with Right Tilt and Phone Closed

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

Medium: HSL1900,Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 39.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12,Phantom section: Right Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1664, ConvF(5.08, 5.08, 5.08), Calibrated: 6/23/2008

Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),

Electronics: DAE4 Sn602,Calibrated: 6/25/2008

Measurement SW: DASY4, V4.7 Build 71

Postprocessing SW: SEMCAD, V1.8 Build 176

**Temperature:**

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

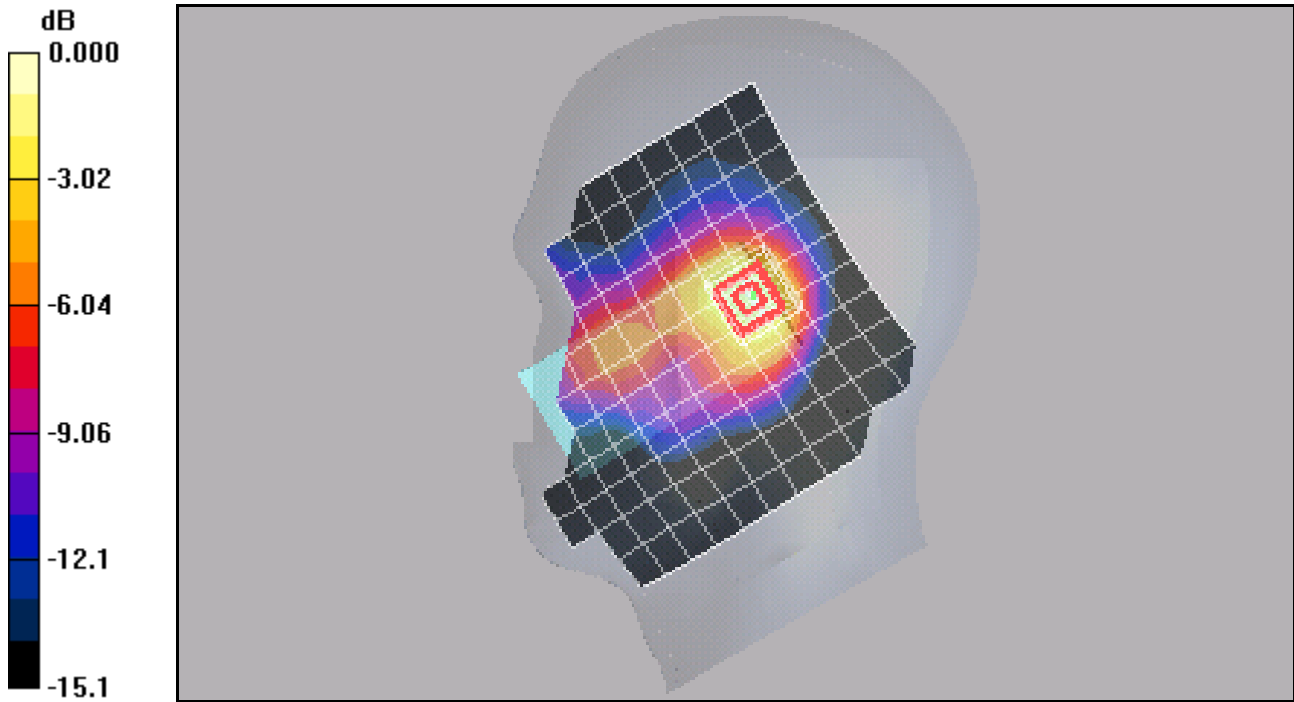
### CDMA-1900 Ch600 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.6 V/m; Power Drift = -0.056 dB

Peak SAR (extrapolated) = 0.754 W/kg

**SAR(1 g) = 0.469 mW/g; SAR(10 g) = 0.276 mW/g**

Maximum value of SAR (measured) = 0.513 mW/g



0 dB = 0.513mW/g