



FCC ID: OVF-K33BIC06  
IC #: 3572A-S1310

## Appendix B1: SAR Distribution Plots (Head)



FCC ID: OVF-K33BIC06  
IC #: 3572A-S1310

# CELL

Date: 9/25/2009

Test Laboratory: Kyocera Wireless Corporation

**K33BIC-06 #1846 CDMA-800 Left Cheek**

Communication System: CDMA-800, Frequency: 848.31 MHz, Duty Cycle: 1:1  
Medium: Head 835 MHz, Medium parameters used (interpolated):  $f = 848.31$  MHz;  $\sigma = 0.88$  mho/m;  $\epsilon_r = 39.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(5.68, 5.68, 5.68), Calibrated: 6/22/2009  
Sensor-Surface: 4mm (Mechanical Surface Detection),  
Electronics: DAE4 Sn602, Calibrated: 6/17/2009  
Measurement SW: DASY4, V4.7 Build 71  
Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**CDMA-800 Ch777 LC/Area Scan (121x71x1):** Measurement grid: dx=15mm, dy=15mmInfo: [Interpolated medium parameters used for SAR evaluation.](#)

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

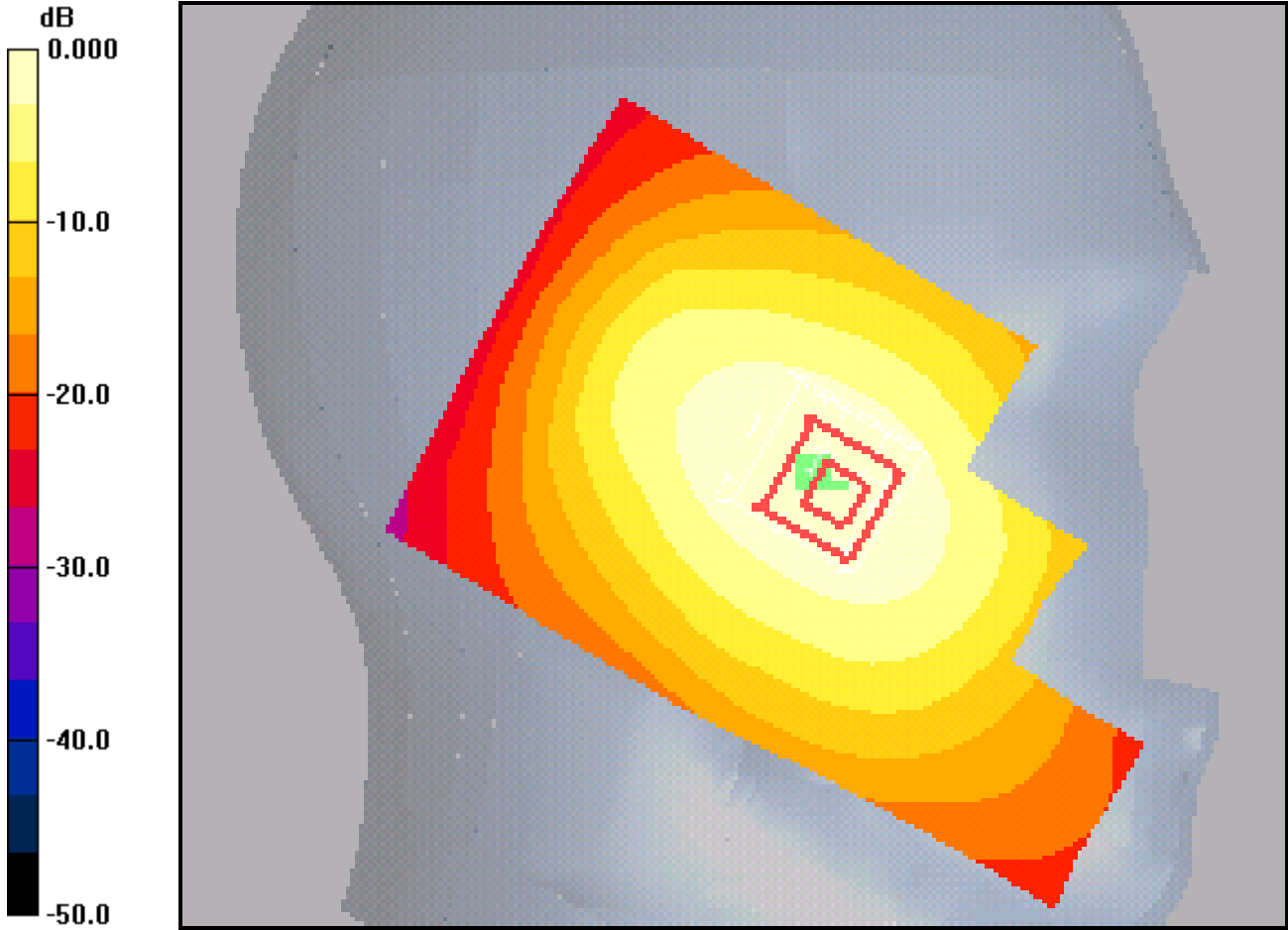
**CDMA-800 Ch777 LC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.5 V/m; Power Drift = -0.130 dB

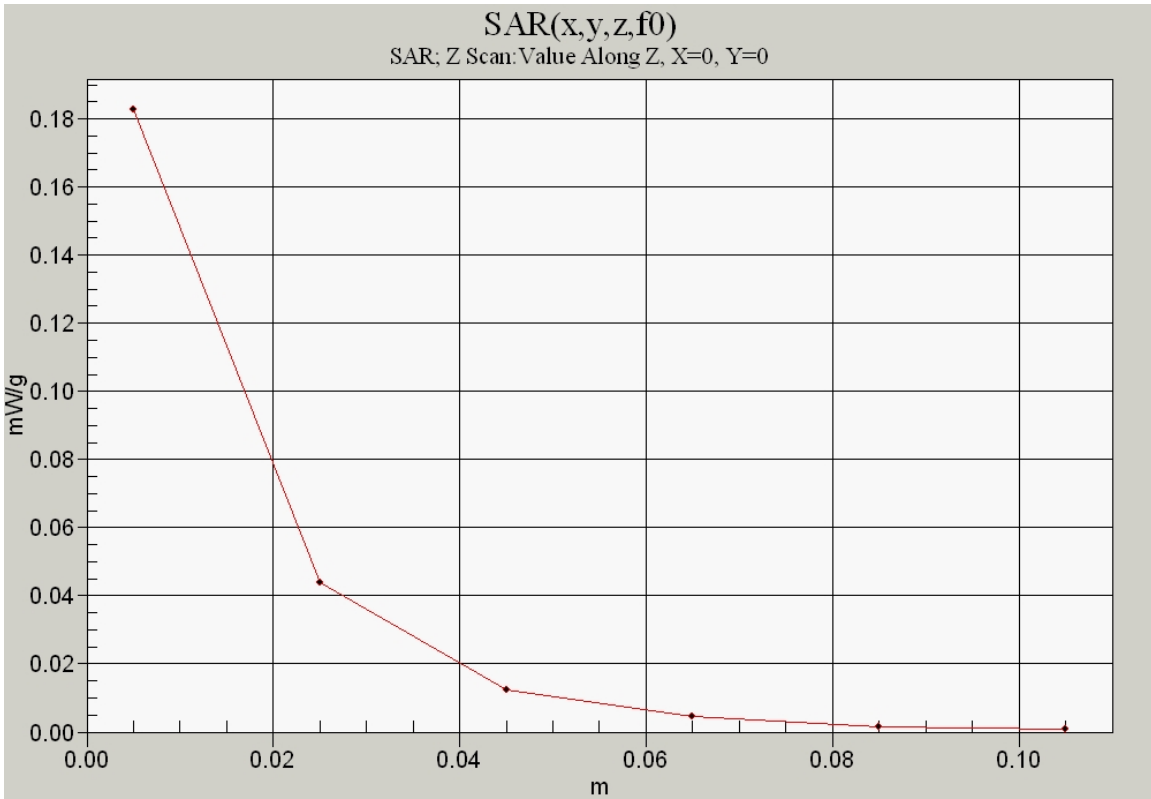
Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.712 mW/g**Info: [Interpolated medium parameters used for SAR evaluation.](#)

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



0 dB = 1.16mW/g



Date: 9/25/2009

Test Laboratory: Kyocera Wireless Corporation

**K33BIC-06 #1846 CDMA-800 Left Tilt**

Communication System: CDMA-800, Frequency: 836.49 MHz, Duty Cycle: 1:1  
Medium: Head 835 MHz, Medium parameters used (interpolated):  $f = 836.49$  MHz;  $\sigma = 0.88$  mho/m;  $\epsilon_r = 39.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(5.68, 5.68, 5.68), Calibrated: 6/22/2009  
Sensor-Surface: 4mm (Mechanical Surface Detection),  
Electronics: DAE4 Sn602, Calibrated: 6/17/2009  
Measurement SW: DASY4, V4.7 Build 71  
Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**CDMA-800 Ch383 LT/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.2 V/m; Power Drift = 0.009 dB

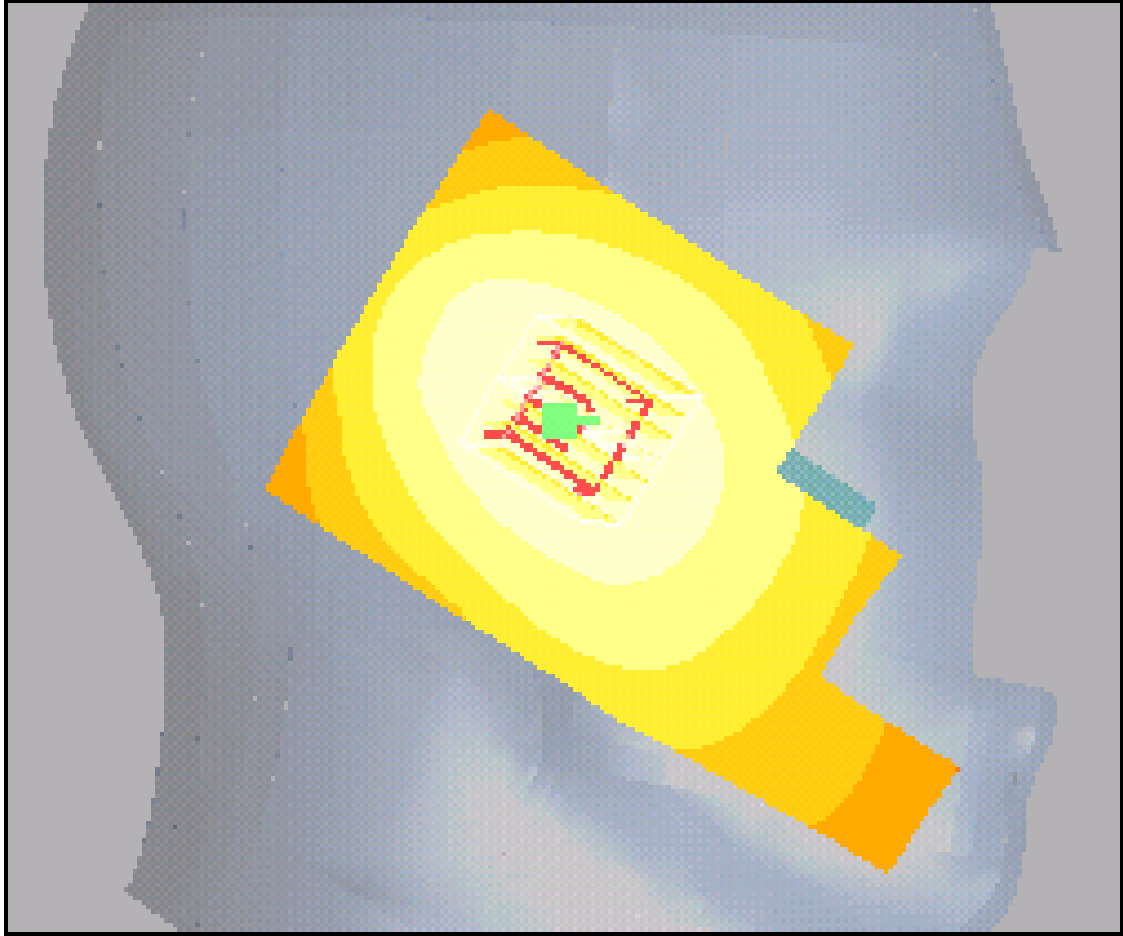
Peak SAR (extrapolated) = 0.700 W/kg

**SAR(1 g) = 0.551 mW/g; SAR(10 g) = 0.399 mW/g**Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.588 mW/g

**CDMA-800 Ch383 LT/Area Scan (101x61x1):** Measurement grid: dx=15mm, dy=15mmInfo: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.603 mW/g



0 dB = 0.603mW/g

Date: 9/25/2009

Test Laboratory: Kyocera Wireless Corporation

**K33BIC-06 #1846 CDMA-800 Right Cheek**

Communication System: CDMA-800, Frequency: 848.31 MHz, Duty Cycle: 1:1  
Medium: Head 835 MHz, Medium parameters used (interpolated):  $f = 848.31$  MHz;  $\sigma = 0.88$  mho/m;  $\epsilon_r = 39.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom: SAM 12, Phantom section: Right Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(5.68, 5.68, 5.68), Calibrated: 6/22/2009  
Sensor-Surface: 4mm (Mechanical Surface Detection),  
Electronics: DAE4 Sn602, Calibrated: 6/17/2009  
Measurement SW: DASY4, V4.7 Build 71  
Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**CDMA-800 Ch777 RC/Area Scan (101x61x1):** Measurement grid: dx=15mm, dy=15mmInfo: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.12 mW/g

**CDMA-800 Ch777 RC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

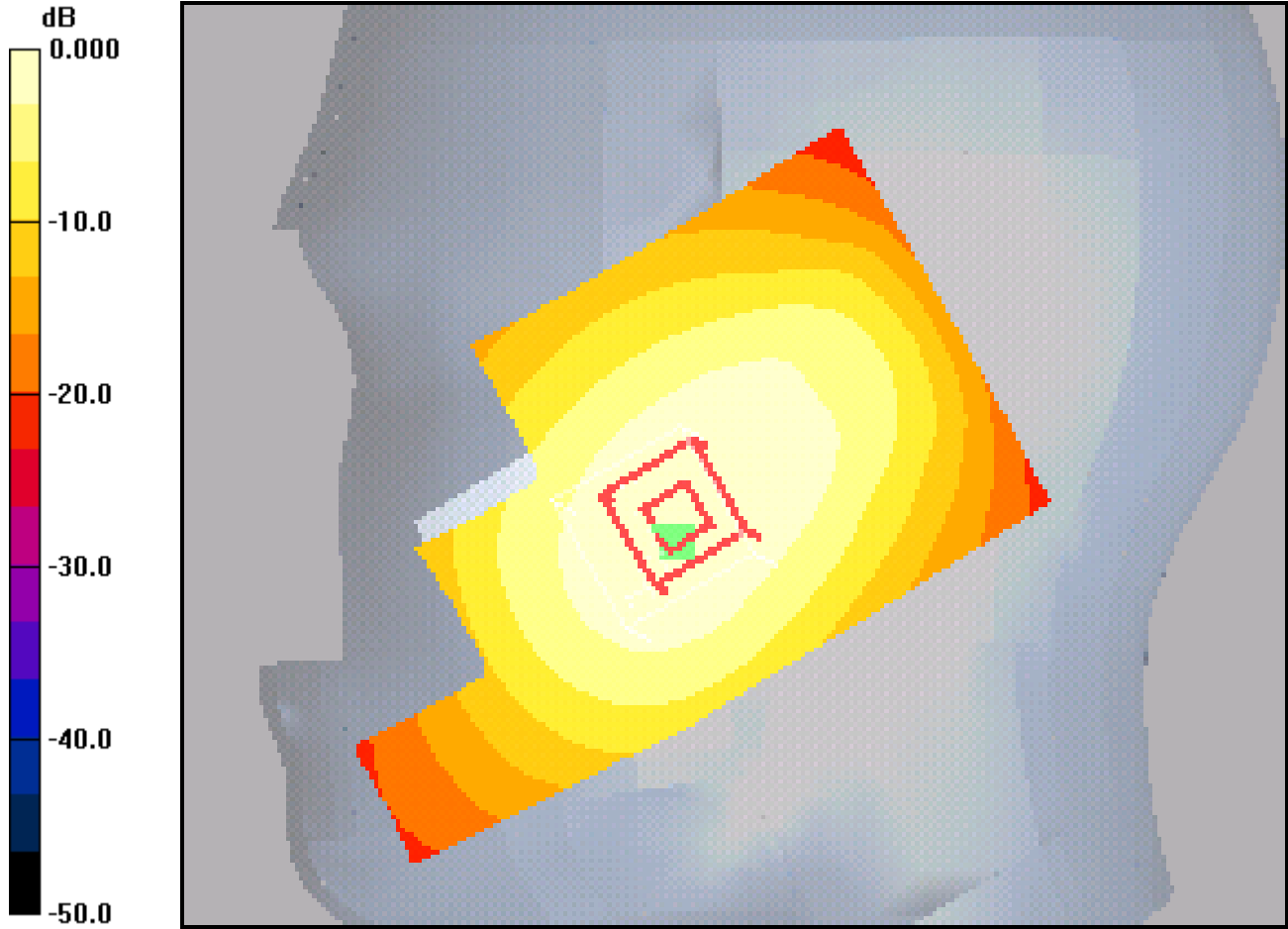
Reference Value = 16.5 V/m; Power Drift = 0.067 dB

Peak SAR (extrapolated) = 1.40 W/kg

**SAR(1 g) = 0.999 mW/g; SAR(10 g) = 0.688 mW/g**Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.09 mW/g





0 dB = 1.09mW/g

Date: 9/25/2009

Test Laboratory: Kyocera Wireless Corporation

**K33BIC-06 #1846 CDMA-800 Right Tilt**

Communication System: CDMA-800, Frequency: 836.49 MHz, Duty Cycle: 1:1  
Medium: Head 835 MHz, Medium parameters used (interpolated):  $f = 836.49$  MHz;  $\sigma = 0.88$  mho/m;  $\epsilon_r = 39.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom: SAM 12, Phantom section: Right Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(5.68, 5.68, 5.68), Calibrated: 6/22/2009  
Sensor-Surface: 4mm (Mechanical Surface Detection),  
Electronics: DAE4 Sn602, Calibrated: 6/17/2009  
Measurement SW: DASY4, V4.7 Build 71  
Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**CDMA-800 Ch383 RT/Area Scan (101x61x1):** Measurement grid: dx=15mm, dy=15mmInfo: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.552 mW/g

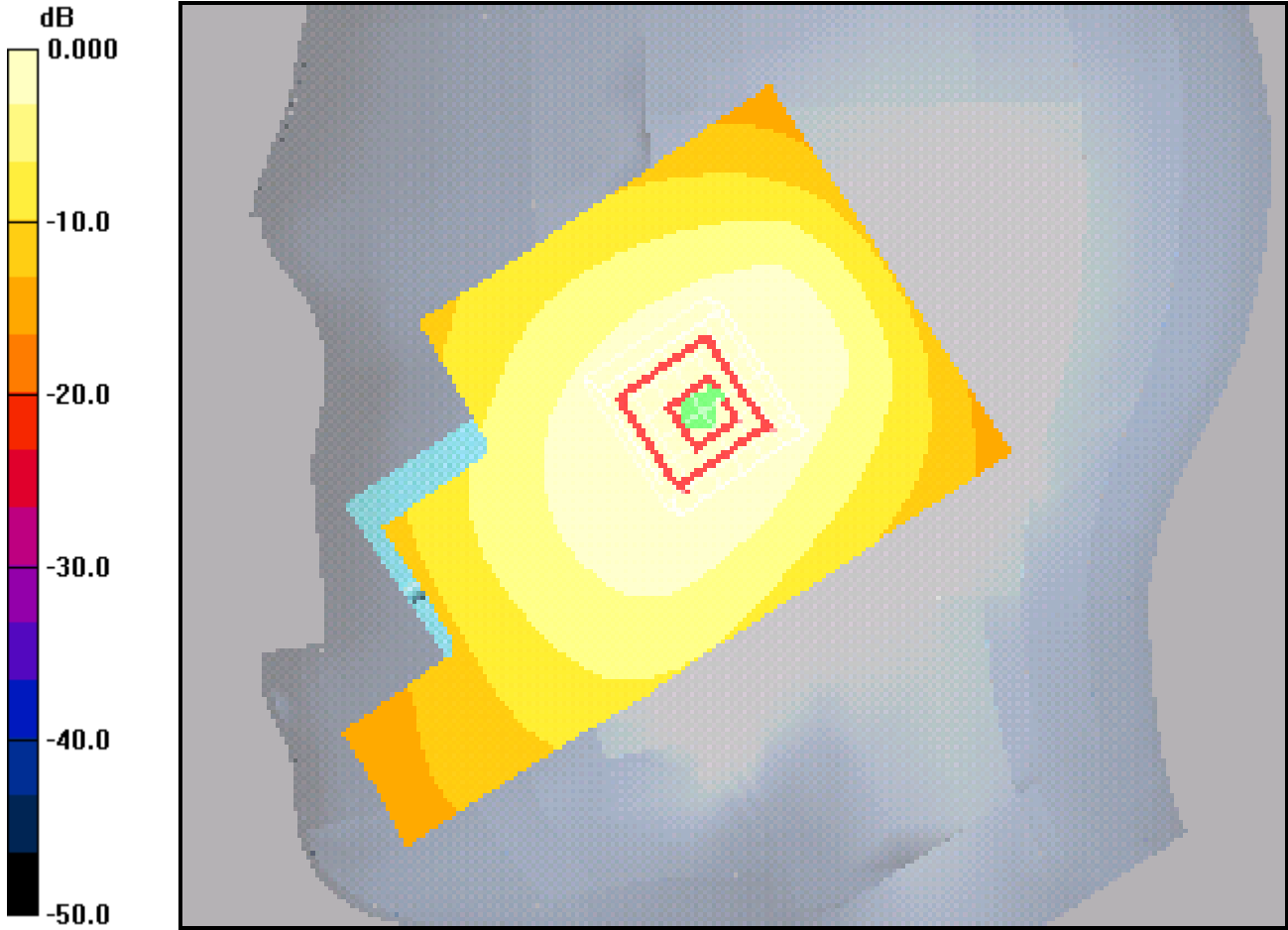
**CDMA-800 Ch383 RT/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.6 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 0.659 W/kg

**SAR(1 g) = 0.520 mW/g; SAR(10 g) = 0.378 mW/g**Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.556 mW/g



0 dB = 0.556mW/g



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IC #: 3572A-S1310

**AWS**

Date: 9/29/2009

Test Laboratory: Kyocera Wireless Corporation

**K33BIC-06 #1846 CDMA-1700 Left Cheek**

Communication System: AWS-1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1  
Medium: HSL 1700, Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.36$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1664, ConvF(5.46, 5.46, 5.46), Calibrated: 6/22/2009  
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),  
Electronics: DAE3 Sn494, Calibrated: 4/22/2009  
Measurement SW: DASY4, V4.7 Build 71  
Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**CDMA-1700 Ch450 LC/Area Scan (101x71x1):** Measurement grid: dx=15mm, dy=15mmInfo: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.22 mW/g

**CDMA-1700 Ch450 LC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = -0.203 dB

Peak SAR (extrapolated) = 1.59 W/kg

**SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.682 mW/g**Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.24 mW/g

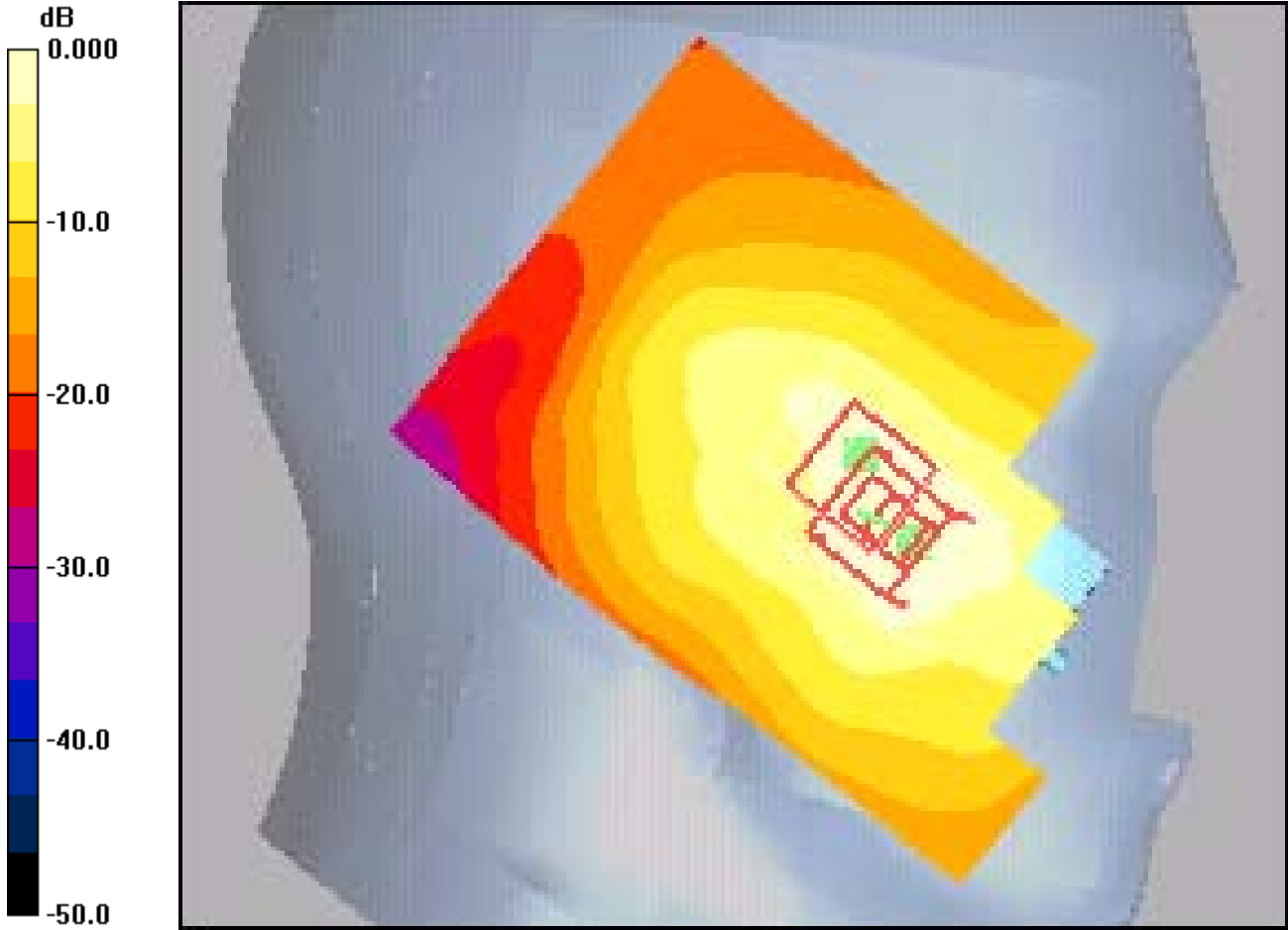
**CDMA-1700 Ch450 LC/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = -0.203 dB

Peak SAR (extrapolated) = 1.66 W/kg

**SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.608 mW/g**Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.20 mW/g



0 dB = 1.20mW/g

Date: 9/29/2009

Test Laboratory: Kyocera Wireless Corporation

**K33BIC-06 #1846 CDMA-1700 Left Tilt**

Communication System: AWS-1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1  
Medium: HSL 1700, Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.36$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1664, ConvF(5.46, 5.46, 5.46), Calibrated: 6/22/2009  
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),  
Electronics: DAE3 Sn494, Calibrated: 4/22/2009  
Measurement SW: DASY4, V4.7 Build 71  
Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**CDMA-1700 Ch450 LT/Area Scan (101x71x1):** Measurement grid: dx=15mm, dy=15mmInfo: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.602 mW/g

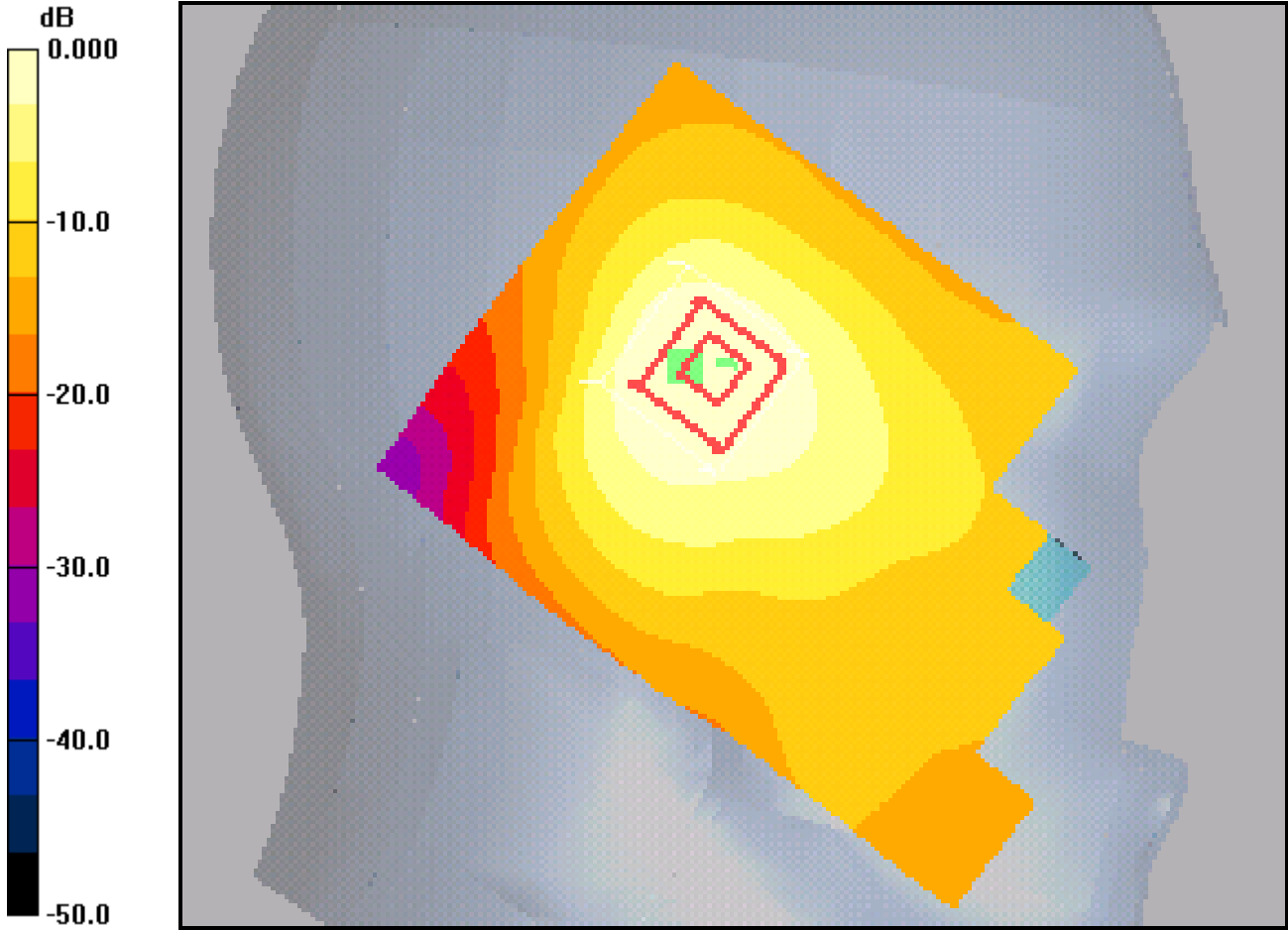
**CDMA-1700 Ch450 LT/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.2 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 0.749 W/kg

**SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.311 mW/g**Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.549 mW/g



0 dB = 0.549mW/g



Date: 9/29/2009

Test Laboratory: Kyocera Wireless Corporation

**K33BIC-06 #1846 CDMA-1700 Right Cheek**

Communication System: AWS-1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1  
Medium: HSL 1700, Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.36$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom: SAM 12, Phantom section: Right Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1664, ConvF(5.46, 5.46, 5.46), Calibrated: 6/22/2009  
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),  
Electronics: DAE3 Sn494, Calibrated: 4/22/2009  
Measurement SW: DASY4, V4.7 Build 71  
Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**CDMA-1700 Ch450 RC/Area Scan (111x71x1):** Measurement grid: dx=15mm, dy=15mmInfo: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.48 mW/g

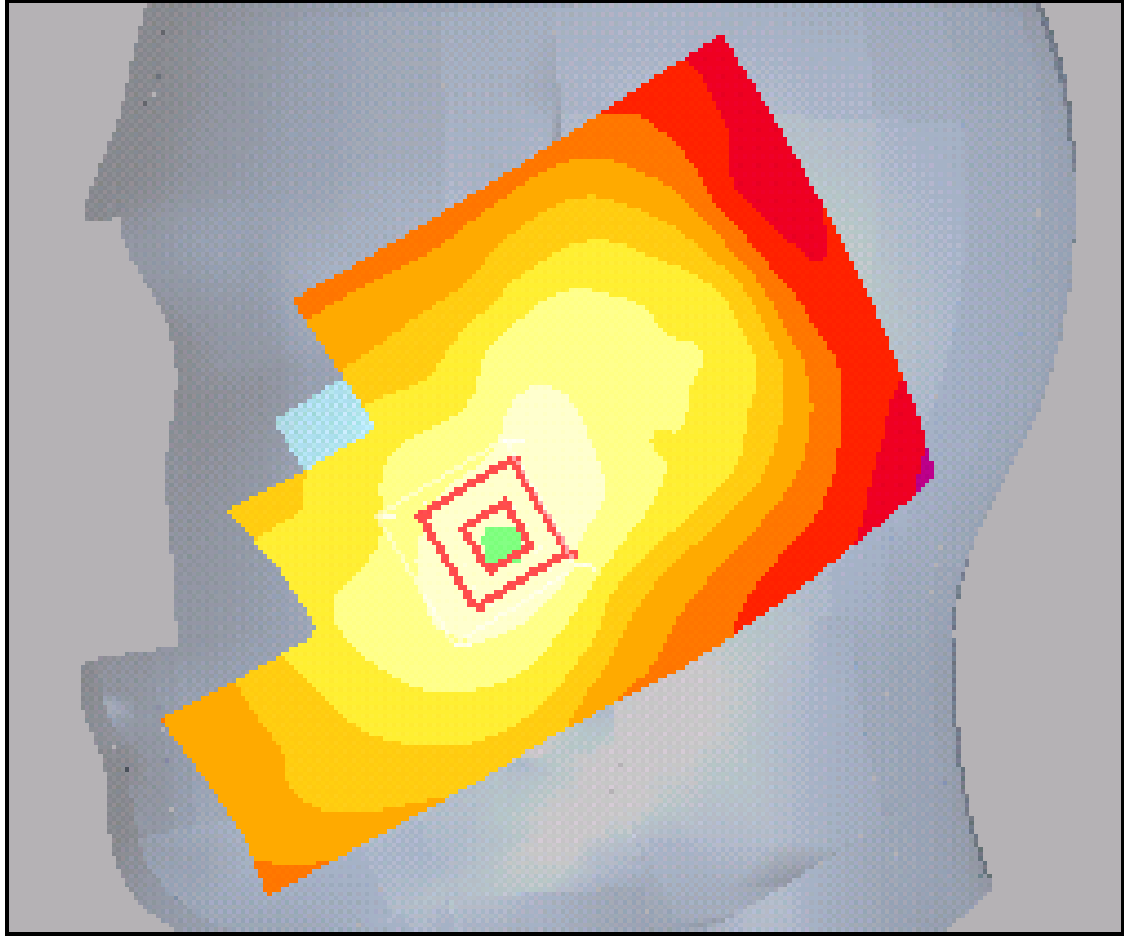
**CDMA-1700 Ch450 RC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.5 V/m; Power Drift = -0.049 dB

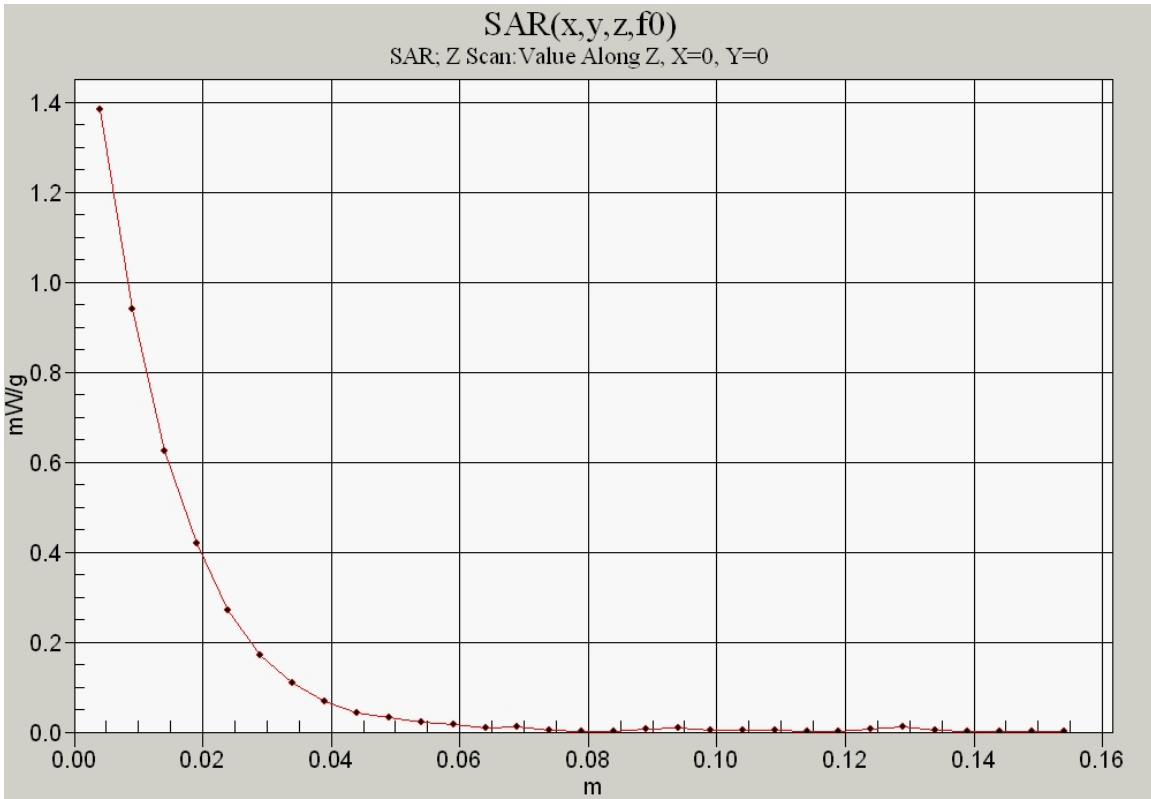
Peak SAR (extrapolated) = 1.78 W/kg

**SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.760 mW/g**Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.37 mW/g



0 dB = 1.37mW/g



Date: 9/29/2009

Test Laboratory: Kyocera Wireless Corporation

**K33BIC-06 #1846 CDMA-1700 Right Tilt**

Communication System: AWS-1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1  
Medium: HSL 1700, Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.36$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom: SAM 12, Phantom section: Right Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1664, ConvF(5.46, 5.46, 5.46), Calibrated: 6/22/2009  
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),  
Electronics: DAE3 Sn494, Calibrated: 4/22/2009  
Measurement SW: DASY4, V4.7 Build 71  
Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

**CDMA-1700 Ch450 RT/Area Scan (111x71x1):** Measurement grid: dx=15mm, dy=15mmInfo: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.502 mW/g

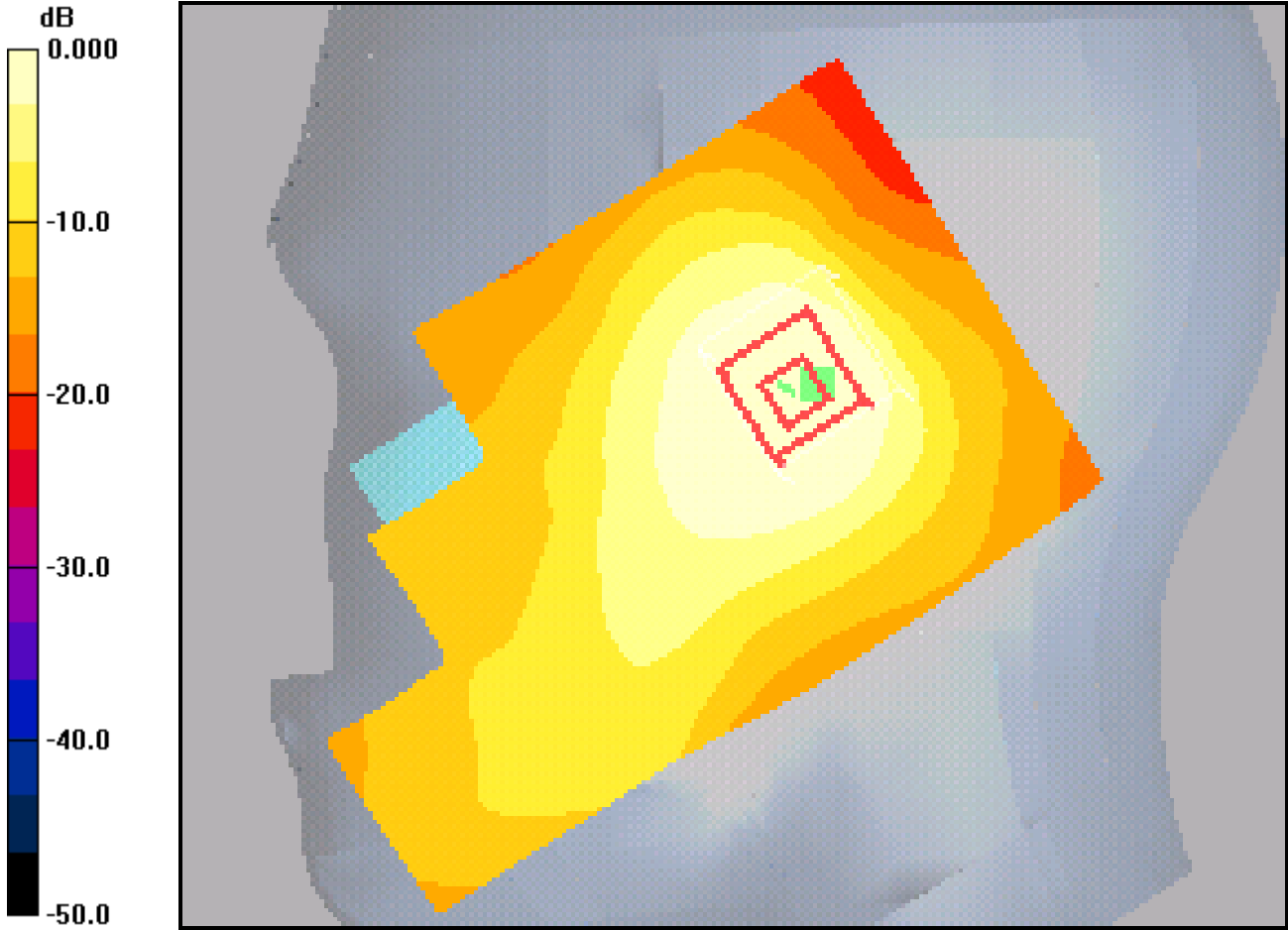
**CDMA-1700 Ch450 RT/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.1 V/m; Power Drift = -0.139 dB

Peak SAR (extrapolated) = 0.537 W/kg

**SAR(1 g) = 0.398 mW/g; SAR(10 g) = 0.258 mW/g**Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.431 mW/g



0 dB = 0.431mW/g



FCC ID: OVF-K33BIC06  
IC #: 3572A-S1310

# PCS

Date: 9/24/2009

Test Laboratory: Kyocera Wireless Corporation

**K33BIC-06 #1846 CDMA-1900 Left Cheek**

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1  
Medium: HSL1900, Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3036, ConvF(4.92, 4.92, 4.92), Calibrated: 8/20/2009

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

Electronics: DAE3 Sn493, Calibrated: 8/12/2009

Measurement SW: DASY4, V4.7 Build 71

Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**CDMA-1900\_CH600 LC/Area Scan (101x61x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.936 mW/g

**CDMA-1900\_CH600 LC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.50 V/m; Power Drift = -0.124 dB

Peak SAR (extrapolated) = 1.52 W/kg

**SAR(1 g) = 0.947 mW/g; SAR(10 g) = 0.559 mW/g**

Maximum value of SAR (measured) = 1.04 mW/g

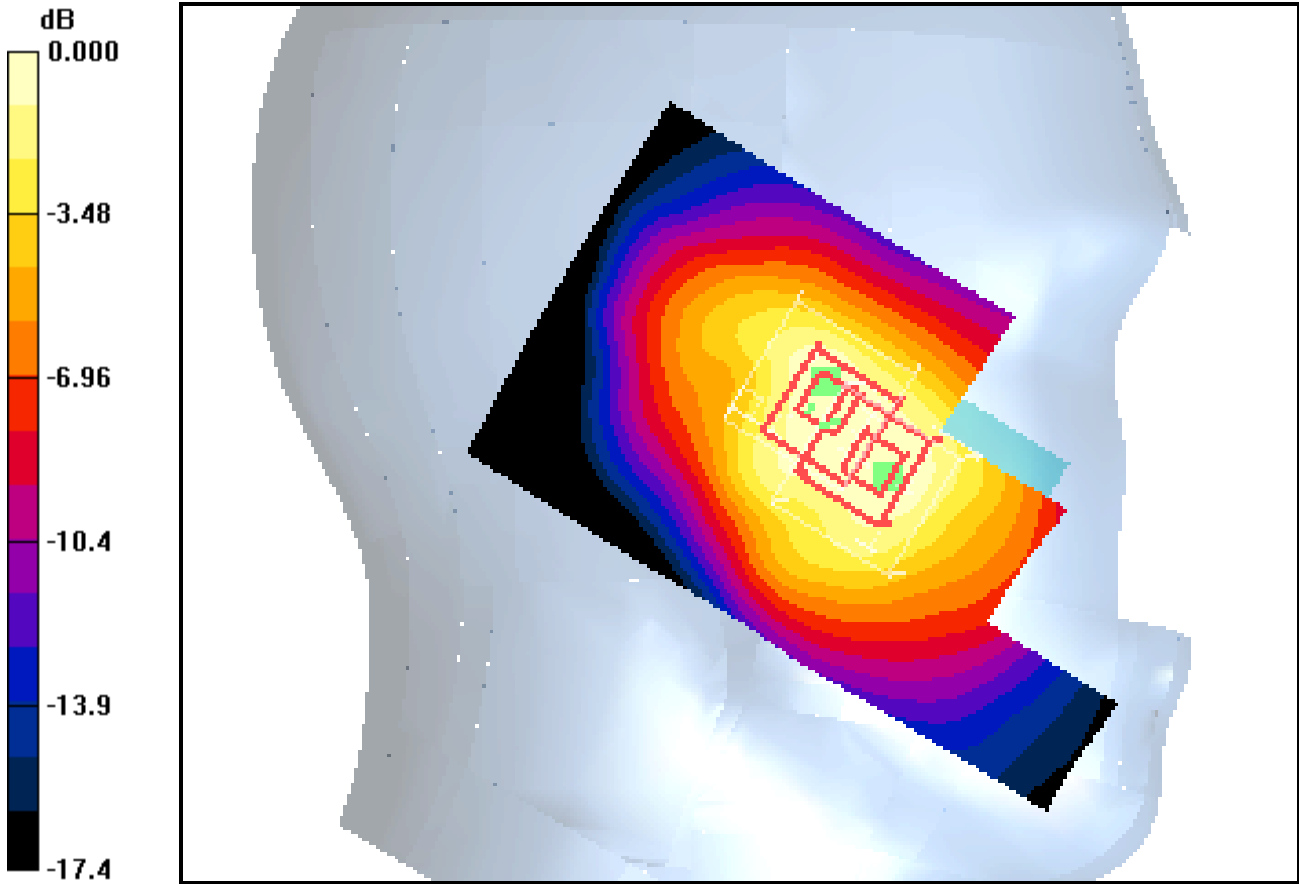
**CDMA-1900\_CH600 LC/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.50 V/m; Power Drift = -0.124 dB

Peak SAR (extrapolated) = 1.32 W/kg

**SAR(1 g) = 0.874 mW/g; SAR(10 g) = 0.550 mW/g**

Maximum value of SAR (measured) = 0.944 mW/g



0 dB = 0.944mW/g



Date: 9/24/2009

Test Laboratory: Kyocera Wireless Corporation

**K33BIC-06 #1846 CDMA-1900 Left Tilt**

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

Medium: HSL1900, Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3036, ConvF(4.92, 4.92, 4.92), Calibrated: 8/20/2009

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

Electronics: DAE3 Sn493, Calibrated: 8/12/2009

Measurement SW: DASY4, V4.7 Build 71

Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**CDMA-1900\_CH600 LT/Area Scan (111x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.781 mW/g

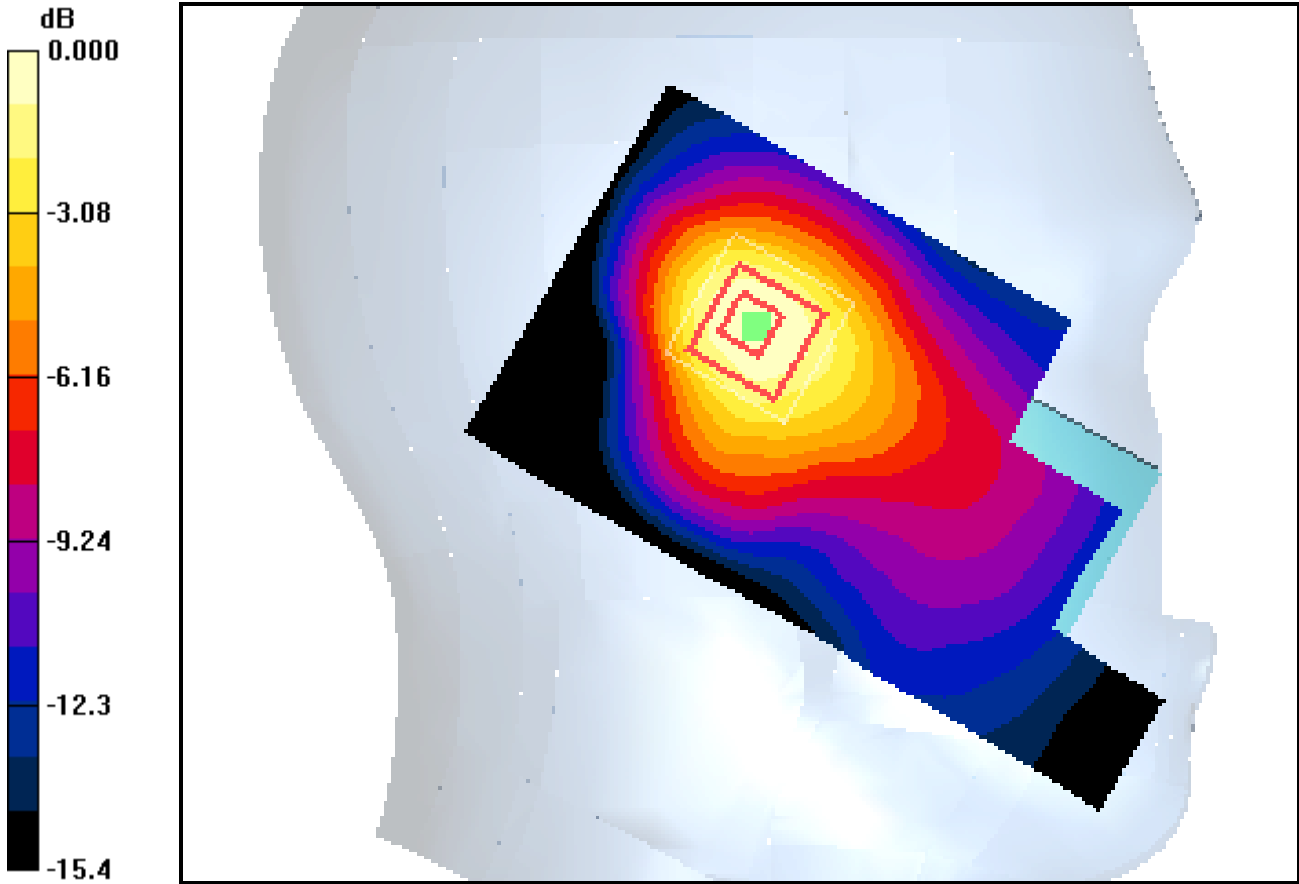
**CDMA-1900\_CH600 LT/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.6 V/m; Power Drift = -0.249 dB

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.678 mW/g; SAR(10 g) = 0.403 mW/g**

Maximum value of SAR (measured) = 0.742 mW/g



0 dB = 0.742mW/g



Date: 9/24/2009

Test Laboratory: Kyocera Wireless Corporation

**K33BIC-06 #1846 CDMA-1900 Right Cheek**

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

Medium: HSL1900, Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Right Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3036, ConvF(4.92, 4.92, 4.92), Calibrated: 8/20/2009

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

Electronics: DAE3 Sn493, Calibrated: 8/12/2009

Measurement SW: DASY4, V4.7 Build 71

Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**CDMA-1900\_CH600 RC/Area Scan (101x61x1):** Measurement grid: dx=15mm, dy=15mm

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

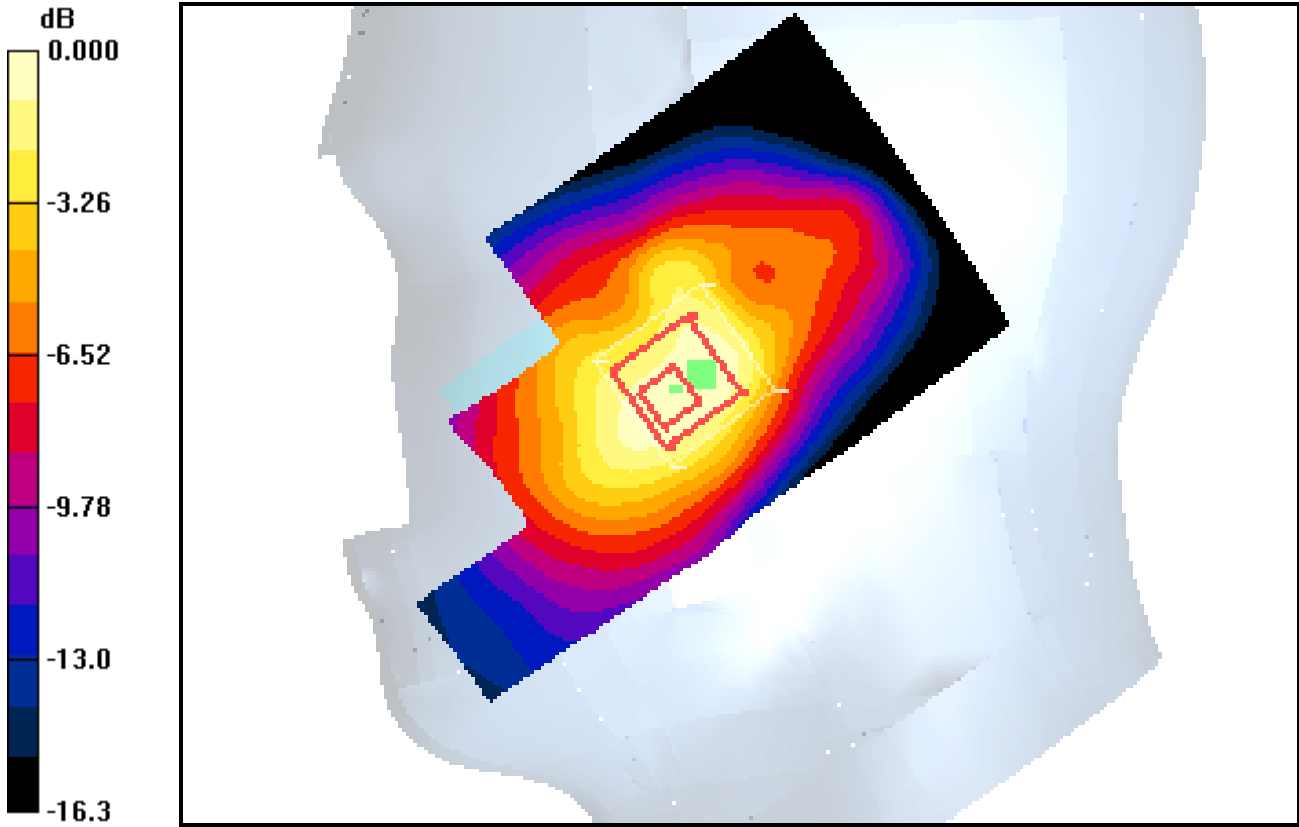
**CDMA-1900\_CH600 RC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.6 V/m; Power Drift = -0.291 dB

Peak SAR (extrapolated) = 1.76 W/kg

**SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.697 mW/g**

Maximum value of SAR (measured) = 1.26 mW/g



0 dB = 1.26mW/g

Date: 9/24/2009

Test Laboratory: Kyocera Wireless Corporation

**K33BIC-06 #1846 CDMA-1900 Right Tilt**

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

Medium: HSL1900, Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Right Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3036, ConvF(4.92, 4.92, 4.92), Calibrated: 8/20/2009

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

Electronics: DAE3 Sn493, Calibrated: 8/12/2009

Measurement SW: DASY4, V4.7 Build 71

Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

**CDMA-1900\_CH600 RT/Area Scan (101x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.527 mW/g

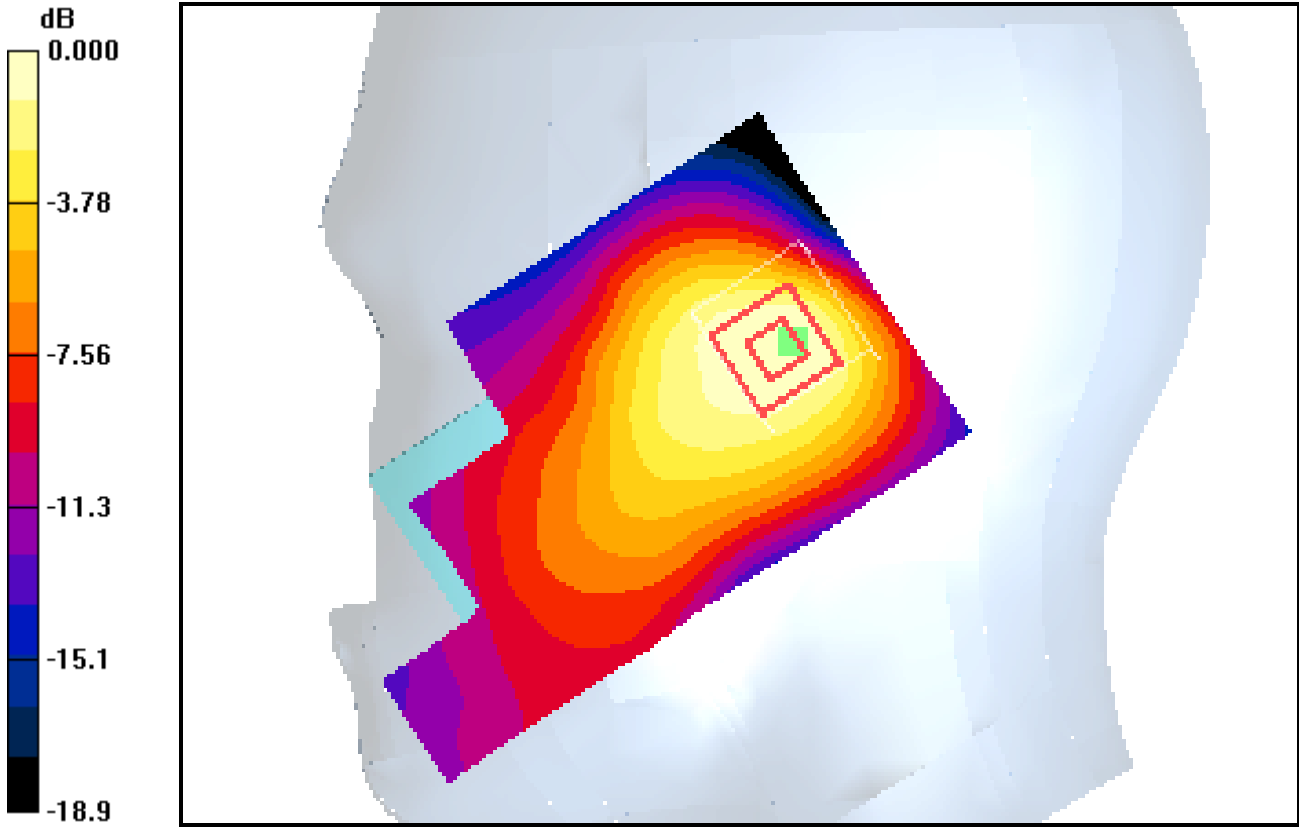
**CDMA-1900\_CH600 RT/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.0 V/m; Power Drift = -0.144 dB

Peak SAR (extrapolated) = 0.679 W/kg

**SAR(1 g) = 0.459 mW/g; SAR(10 g) = 0.280 mW/g**

Maximum value of SAR (measured) = 0.498 mW/g



0 dB = 0.498mW/g

