

## **Appendix B2: SAR Distribution Plots (Body)**

**CELL**

Date: 9/28/2009

Test Laboratory: Kyocera Wireless Corporation

**K33BIC-06 #1846 CDMA-800 Flat Phone Closed Face Down with 15mm Air Space and SO32 RC3 (+SCH)**

Communication System: CDMA-800, Frequency: 836.49 MHz, Duty Cycle: 1:1

Medium: M900, Medium parameters used (interpolated):  $f = 836.49$  MHz;  $\sigma = 0.956$  mho/m;  $\epsilon_r = 55.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3036, ConvF(5.8, 5.8, 5.8), 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-835 FLAT Ch383/Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.02 mW/g

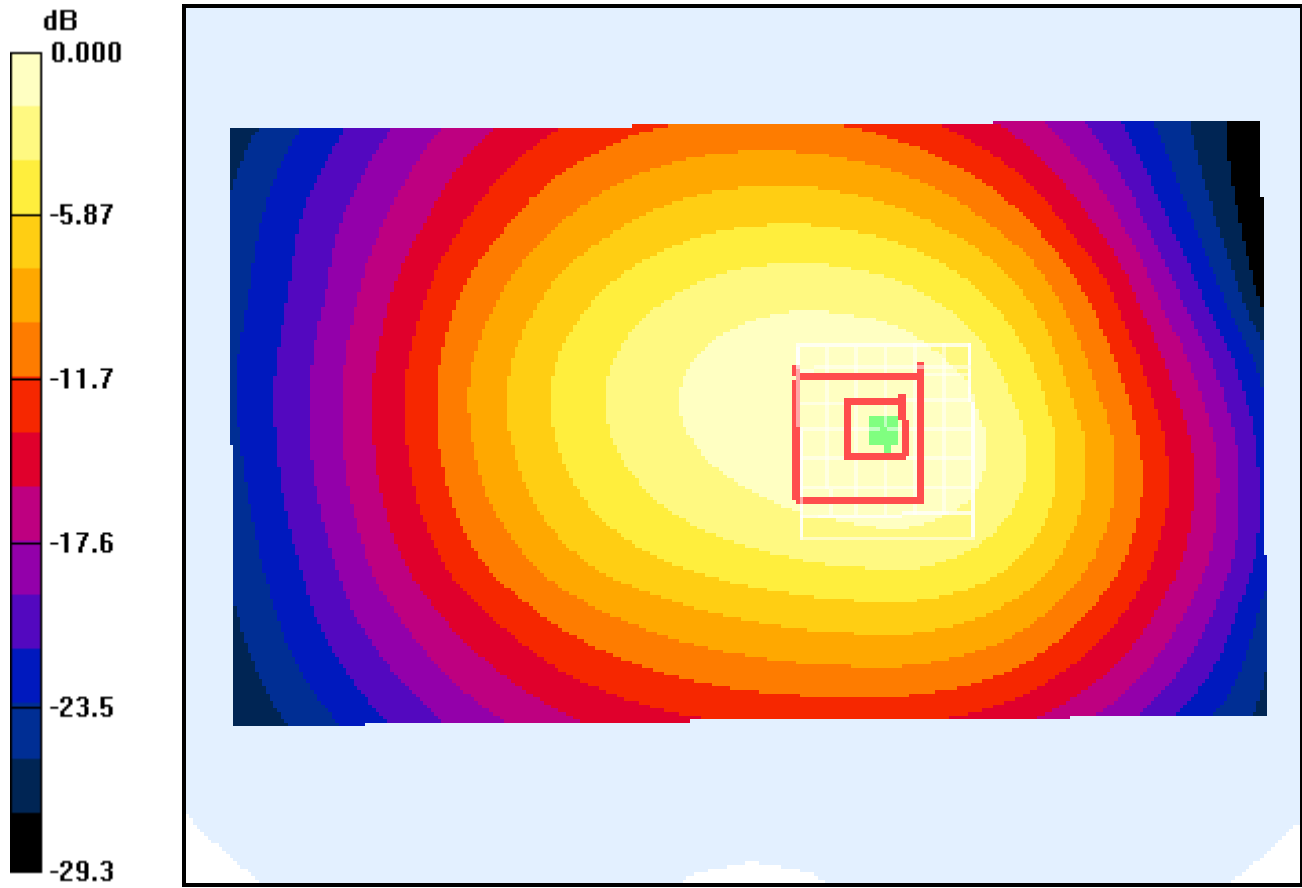
**CDMA-835 FLAT Ch383/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.1 V/m; Power Drift = -0.074 dB

Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.925 mW/g; SAR(10 g) = 0.655 mW/g**

Maximum value of SAR (measured) = 0.981 mW/g



0 dB = 0.981mW/g

Date: 9/28/2009

Test Laboratory: Kyocera Wireless Corporation

**K33BIC-06 #1846 CDMA-800 Flat Phone Closed Face Up with 15mm Air Space and SO32 RC3 (+SCH)**

Communication System: CDMA-800, Frequency: 836.49 MHz, Duty Cycle: 1:1

Medium: M900, Medium parameters used (interpolated):  $f = 836.49$  MHz;  $\sigma = 0.956$  mho/m;  $\epsilon_r = 55.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3036, ConvF(5.8, 5.8, 5.8), 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 =  $21.8 \pm 1$  deg C, Liquid T =  $22.0 \pm 1$  deg C**CDMA-835 FLAT Ch383/Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.553 mW/g

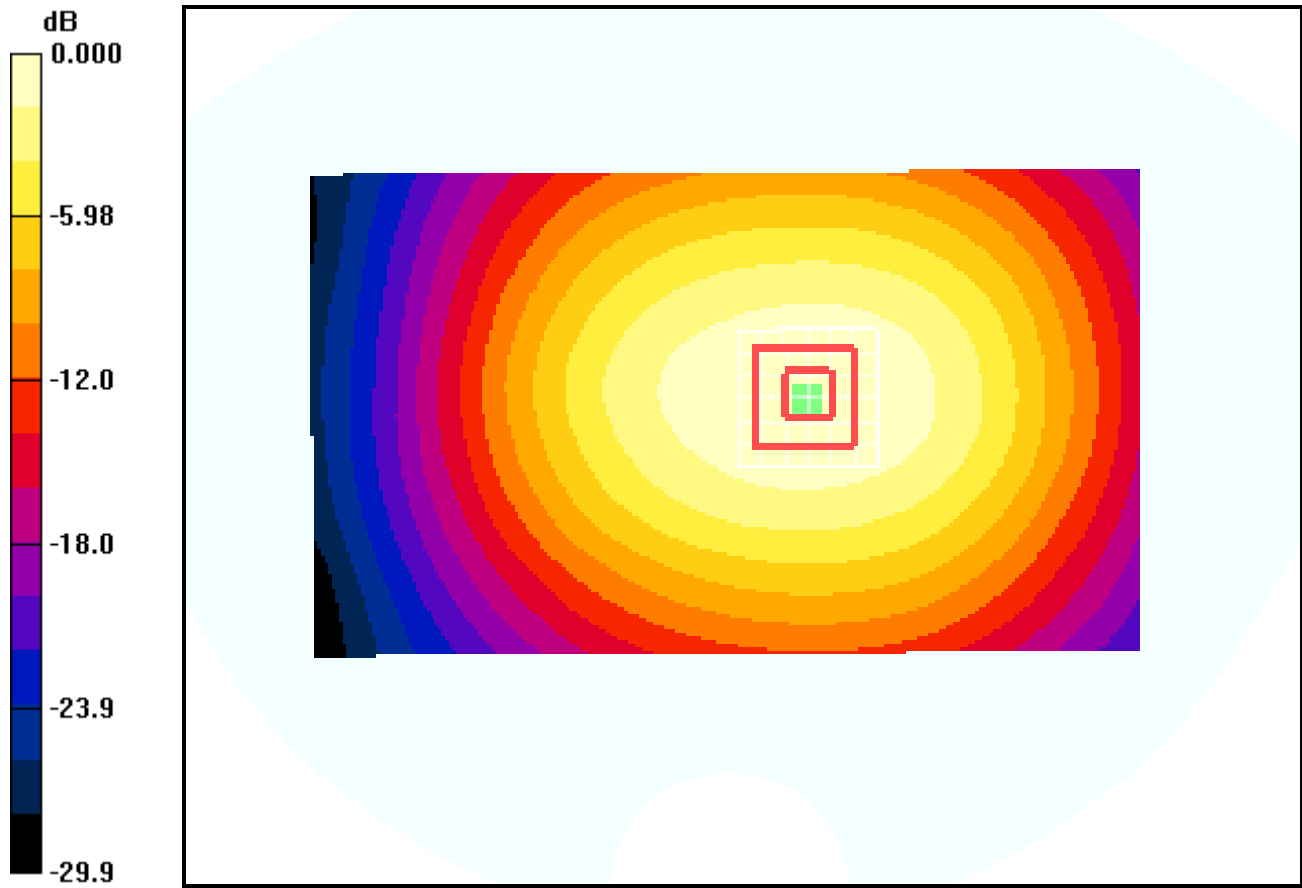
**CDMA-835 FLAT Ch383/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.7 V/m; Power Drift = -0.066 dB

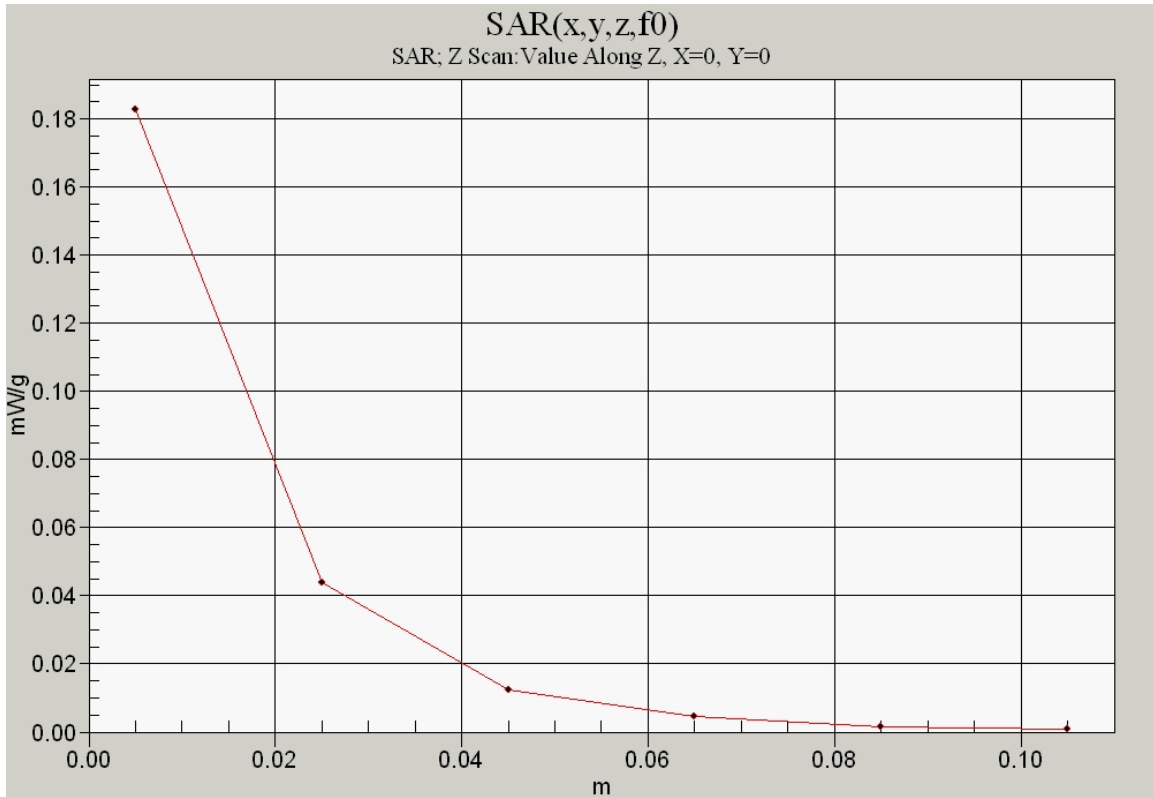
Peak SAR (extrapolated) = 0.694 W/kg

**SAR(1 g) = 0.529 mW/g; SAR(10 g) = 0.385 mW/g**

Maximum value of SAR (measured) = 0.560 mW/g



0 dB = 0.560mW/g



# AWS



Date: 10/5/2009

Test Laboratory: Kyocera Wireless Corporation

**K33BIC-06 #1846 CDMA-1700 Flat Face Down with 15mm Air Space and SO32 RC3 (+SCH)**

Communication System: AWS 1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1

Medium: M1700, Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 52.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1664, ConvF(4.76, 4.76, 4.76), Calibrated: 6/22/2009

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

Electronics: DAE4 Sn603, Calibrated: 9/15/2009

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 FLAT Ch450/Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.450 mW/g

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

Reference Value = 14.9 V/m; Power Drift = -0.165 dB

Peak SAR (extrapolated) = 0.584 W/kg

**SAR(1 g) = 0.409 mW/g; SAR(10 g) = 0.235 mW/g**

Maximum value of SAR (measured) = 0.459 mW/g

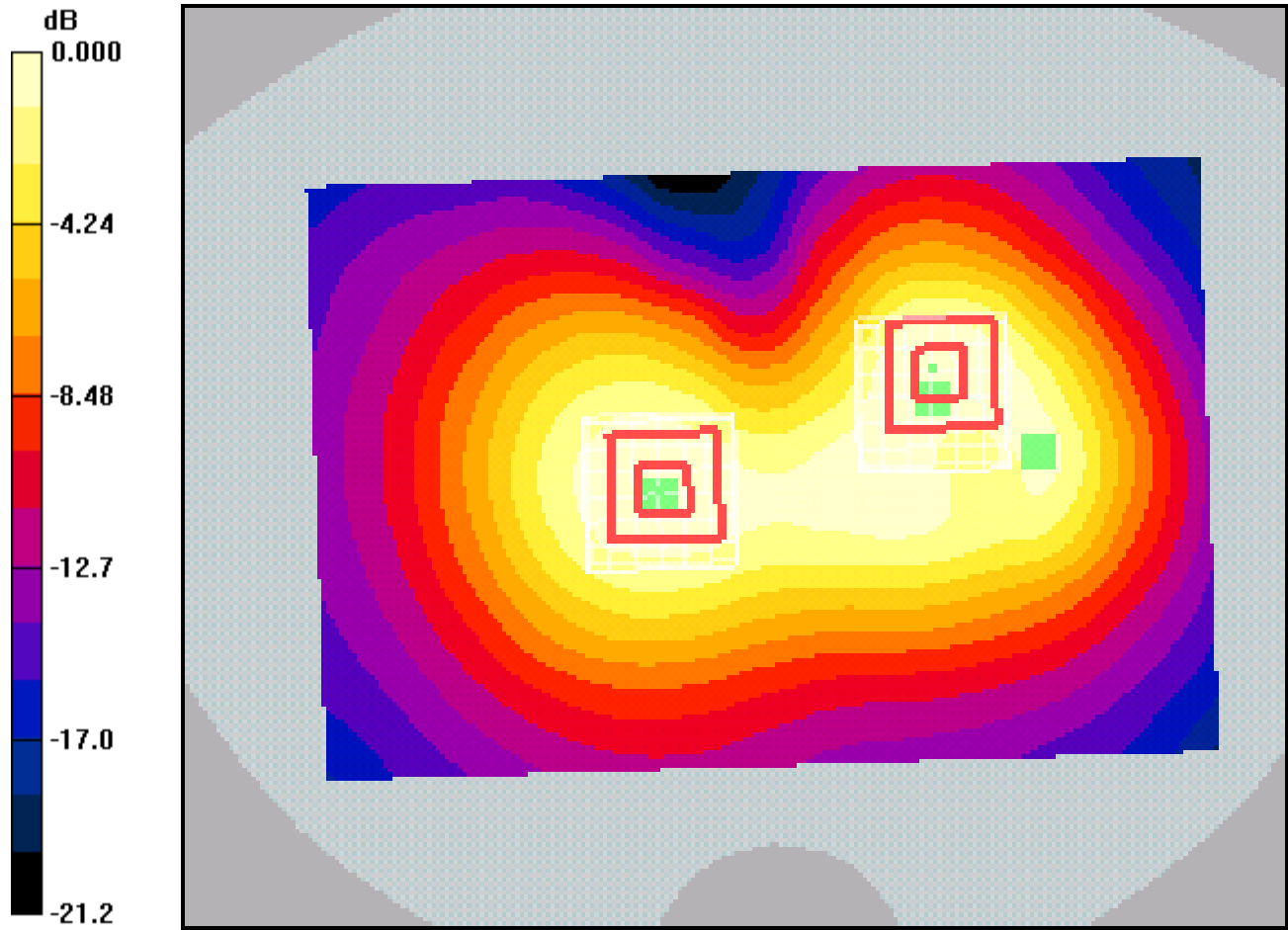
**CDMA-1700 FLAT Ch450/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.9 V/m; Power Drift = -0.165 dB

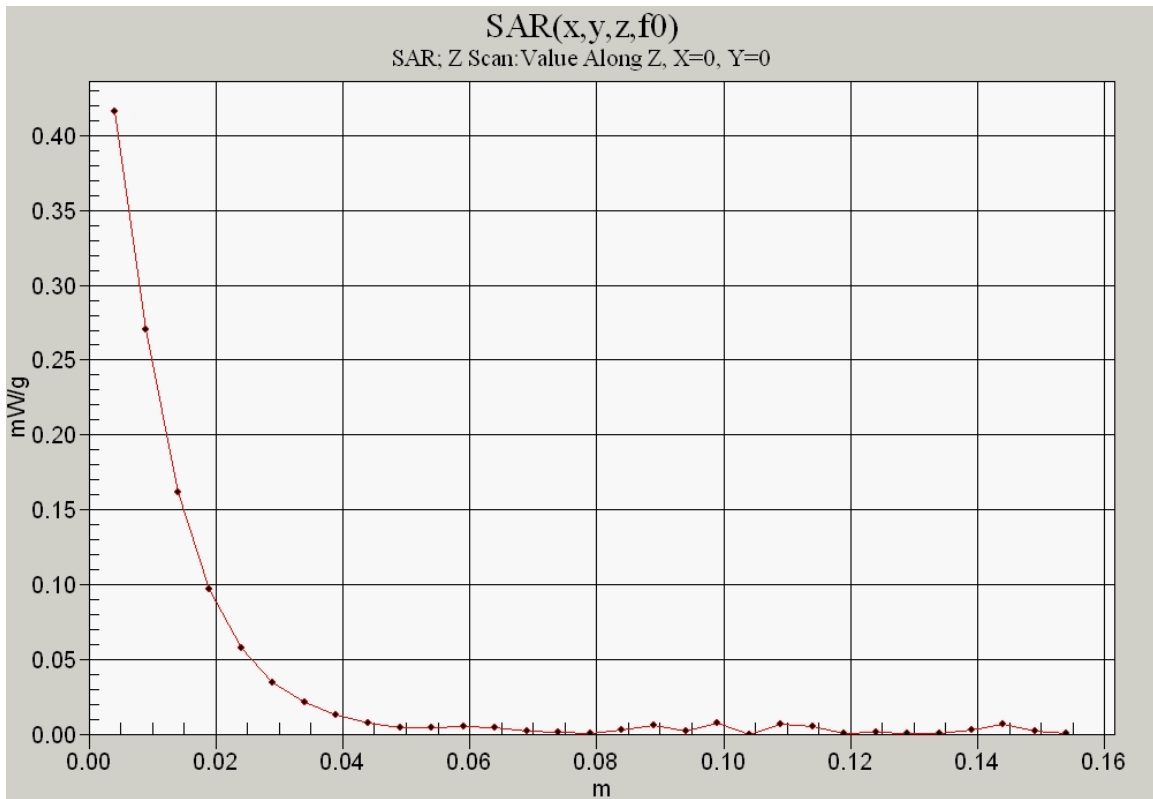
Peak SAR (extrapolated) = 0.449 W/kg

**SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.237 mW/g**

Maximum value of SAR (measured) = 0.381 mW/g



0 dB = 0.381mW/g



Date: 10/5/2009

Test Laboratory: Kyocera Wireless Corporation

**K33BIC-06 #1846 CDMA-1700 Flat Face Up with 15mm Air Space and SO32 RC3 (+SCH)**

Communication System: AWS 1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1

Medium: M1700, Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 52.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1664, ConvF(4.76, 4.76, 4.76), Calibrated: 6/22/2009

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

Electronics: DAE4 Sn603, Calibrated: 9/15/2009

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 FLAT Ch450/Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.332 mW/g

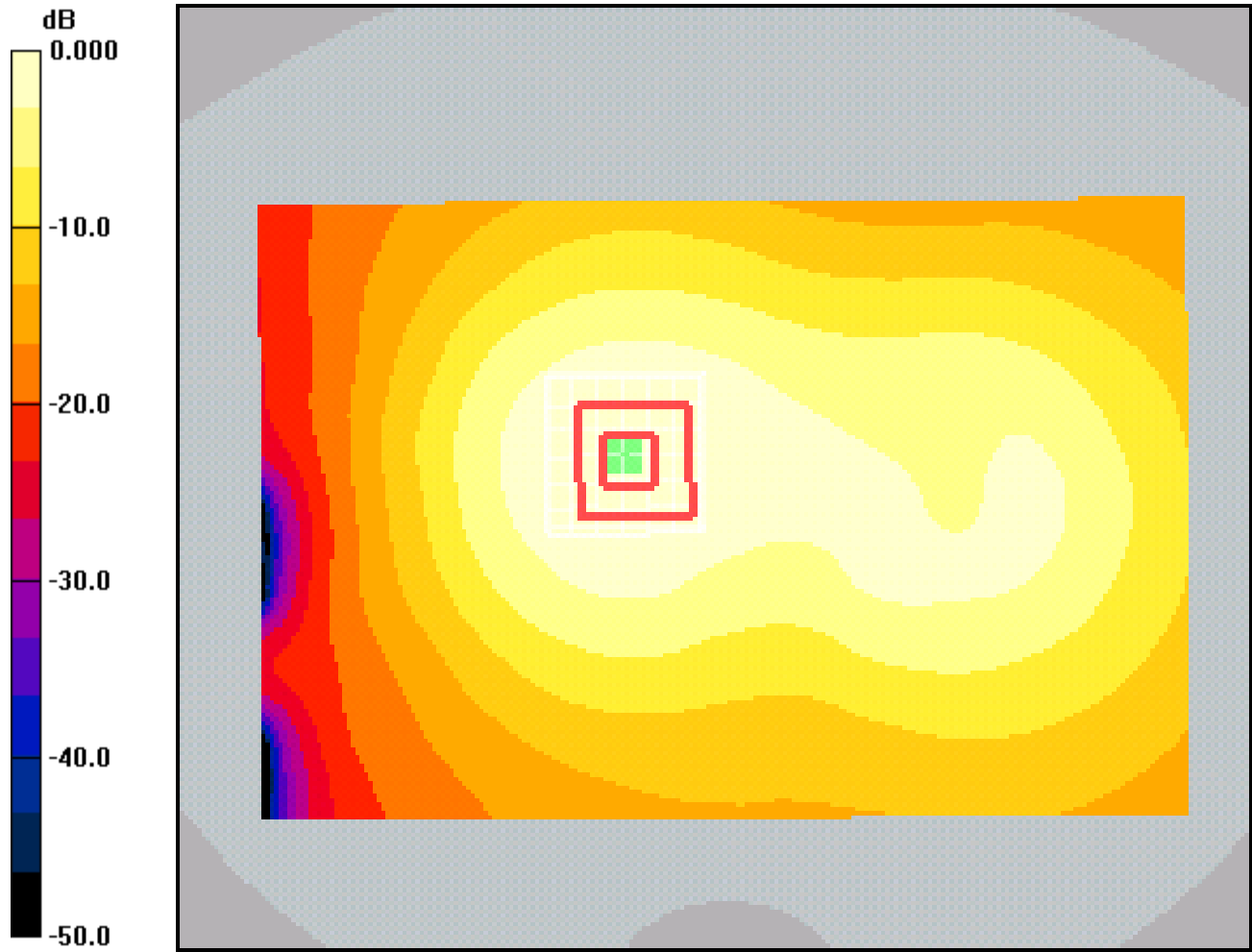
**CDMA-1700 FLAT Ch450/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.3 V/m; Power Drift = -0.178 dB

Peak SAR (extrapolated) = 0.386 W/kg

**SAR(1 g) = 0.305 mW/g; SAR(10 g) = 0.207 mW/g**

Maximum value of SAR (measured) = 0.327 mW/g



0 dB = 0.327mW/g

# PCS

Date: 9/30/2009

Test Laboratory: Kyocera Wireless Corporation

**K33BIC-06 #1846 CDMA-1900 Flat Face Down with 15mm Air Space and SO32 RC3 (+SCH)**

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

Medium: M1800, Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1664, ConvF(4.49, 4.49, 4.49), 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-1900 FLAT Ch600/Area Scan (101x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.591 mW/g

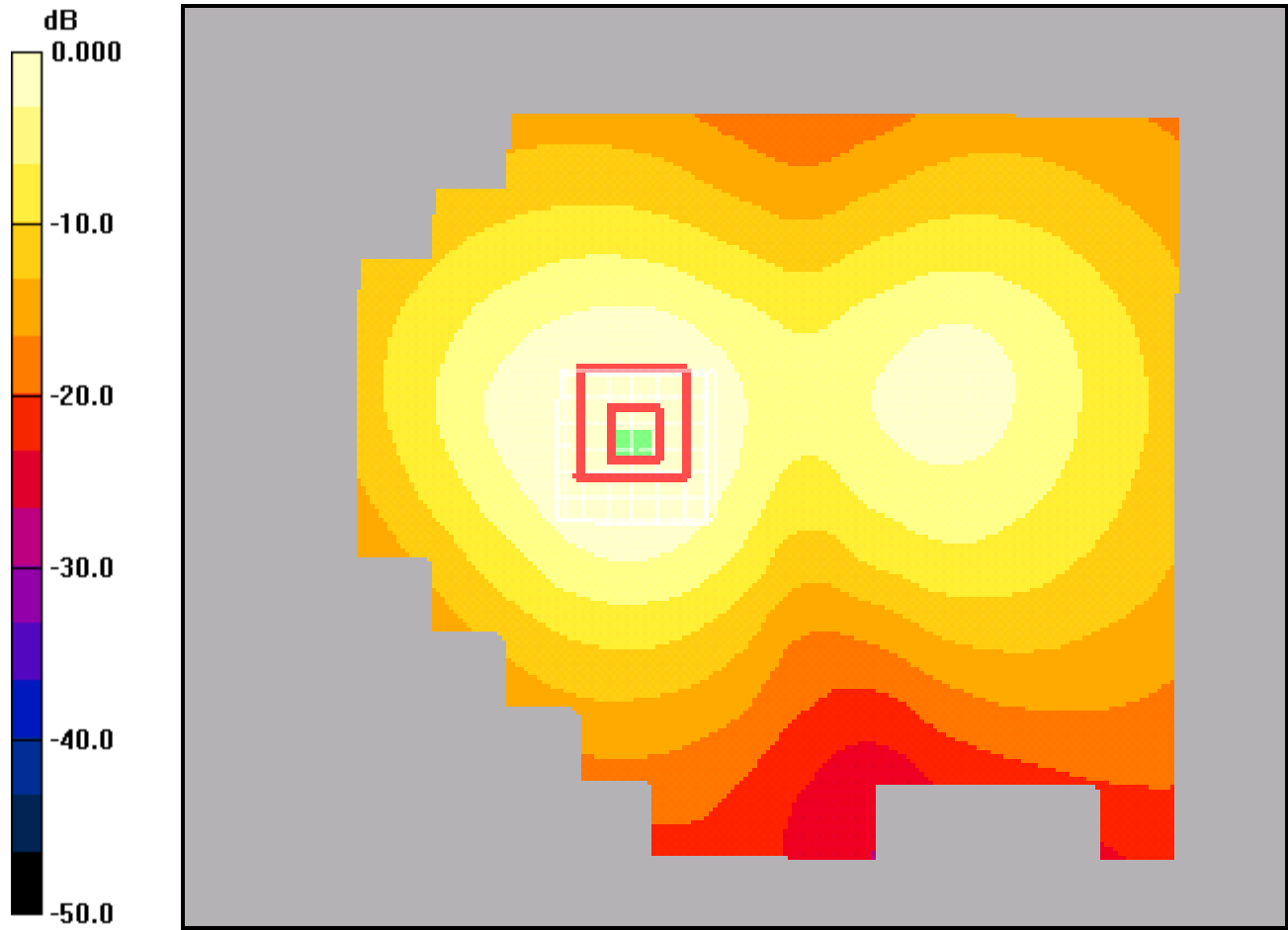
**CDMA-1900 FLAT Ch600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.0 V/m; Power Drift = -0.055 dB

Peak SAR (extrapolated) = 0.707 W/kg

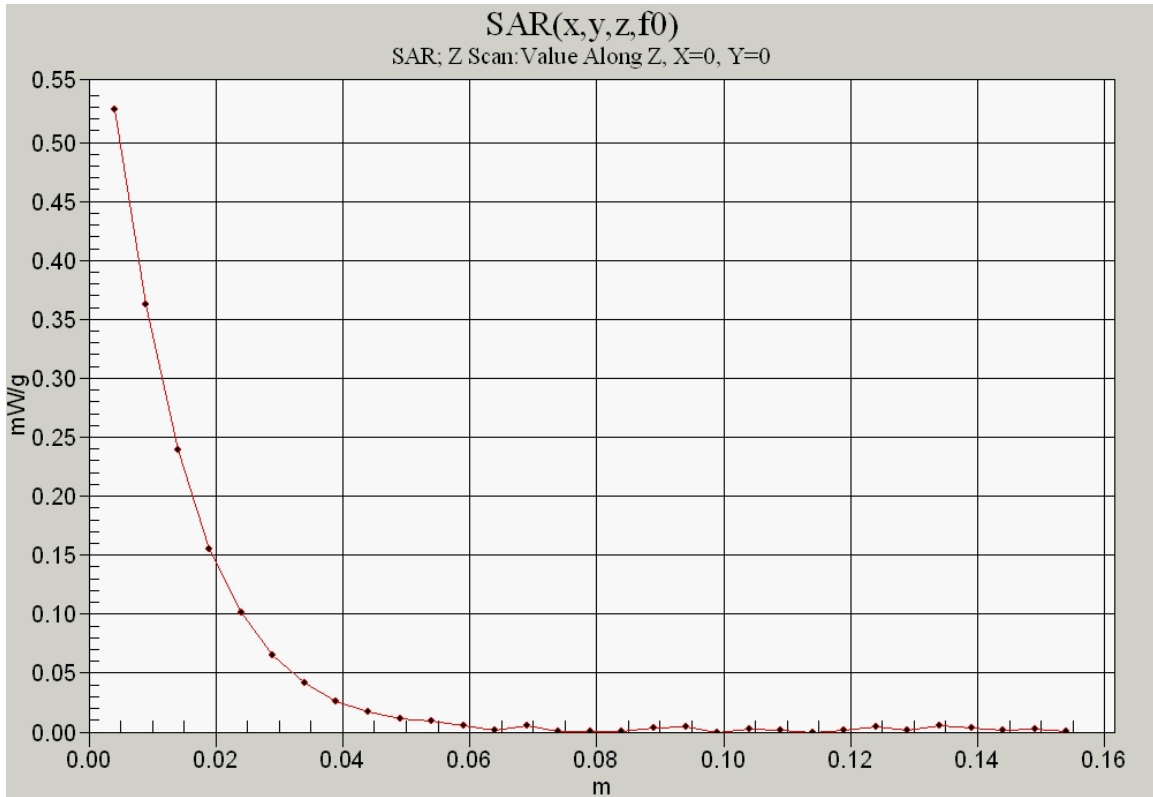
**SAR(1 g) = 0.490 mW/g; SAR(10 g) = 0.320 mW/g**

Maximum value of SAR (measured) = 0.530 mW/g



0 dB = 0.530mW/g





Date: 9/30/2009

Test Laboratory: Kyocera Wireless Corporation

**K33BIC-06 #1846 CDMA-1900 Flat Face Up with 15mm Air Space and SO32 RC3 (+SCH)**

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

Medium: M1800, Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1664, ConvF(4.49, 4.49, 4.49), 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-1900 FLAT Ch600/Area Scan (101x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.390 mW/g

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

Reference Value = 12.6 V/m; Power Drift = 0.053 dB

Peak SAR (extrapolated) = 0.485 W/kg

**SAR(1 g) = 0.362 mW/g; SAR(10 g) = 0.242 mW/g**

Maximum value of SAR (measured) = 0.386 mW/g

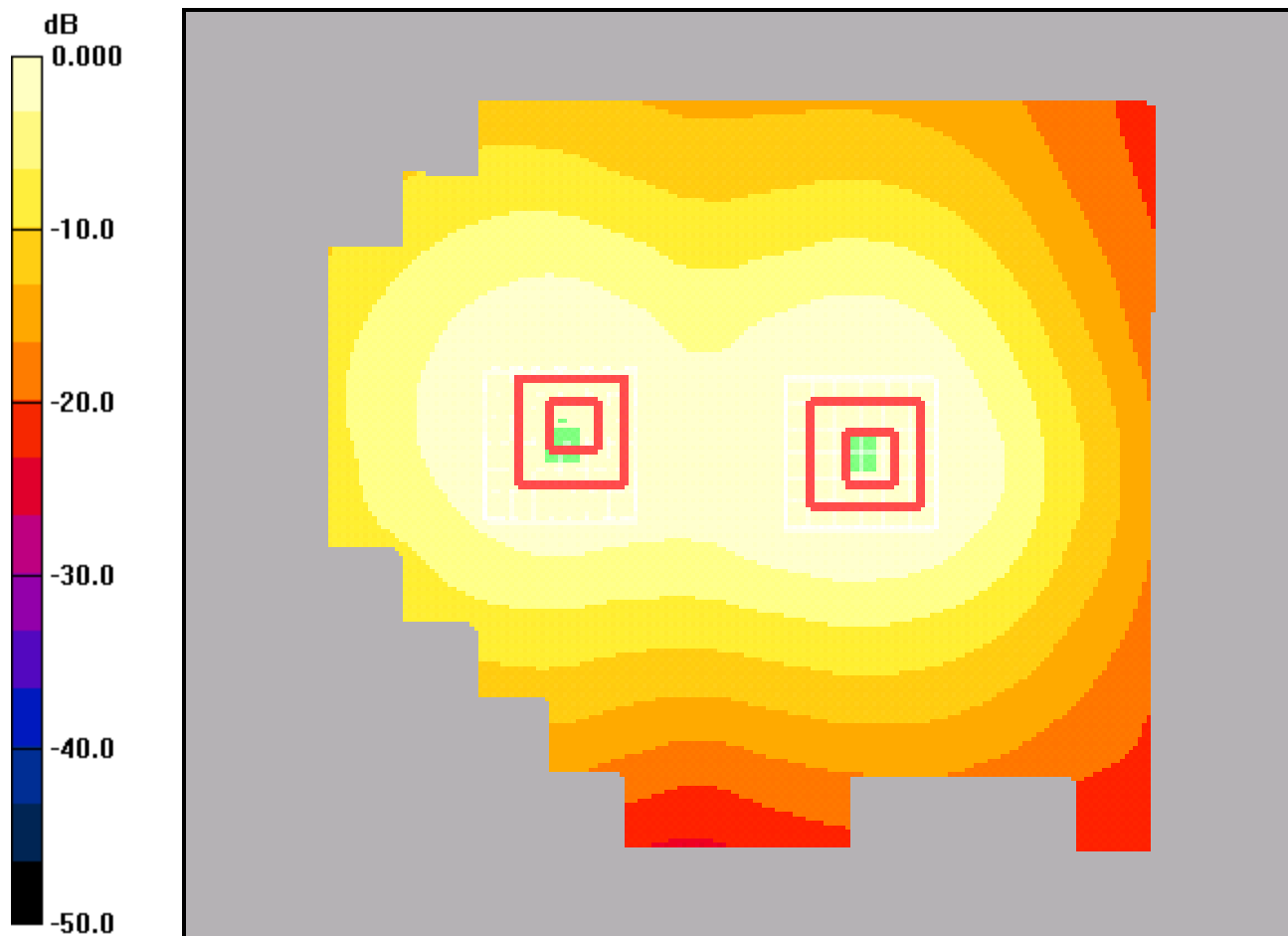
**CDMA-1900 FLAT Ch600/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.6 V/m; Power Drift = 0.053 dB

Peak SAR (extrapolated) = 0.387 W/kg

**SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.184 mW/g**

Maximum value of SAR (measured) = 0.296 mW/g



0 dB = 0.296mW/g