

## Appendix B1: SAR Distribution Plots (Head)



FCC ID: OVF-K5302  
IC #: 3572A-S2300

# CELL

Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-800 Ch1013, Left Cheek**

Communication System: CDMA-800, Frequency: 824.7 MHz, Duty Cycle: 1:1

Medium: Head 835 MHz, Medium parameters used (interpolated):  $f = 824.7$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(6.12, 6.12, 6.12), Calibrated: 8/20/2009

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

Electronics: DAE3 Sn494, Calibrated: 4/22/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:** Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

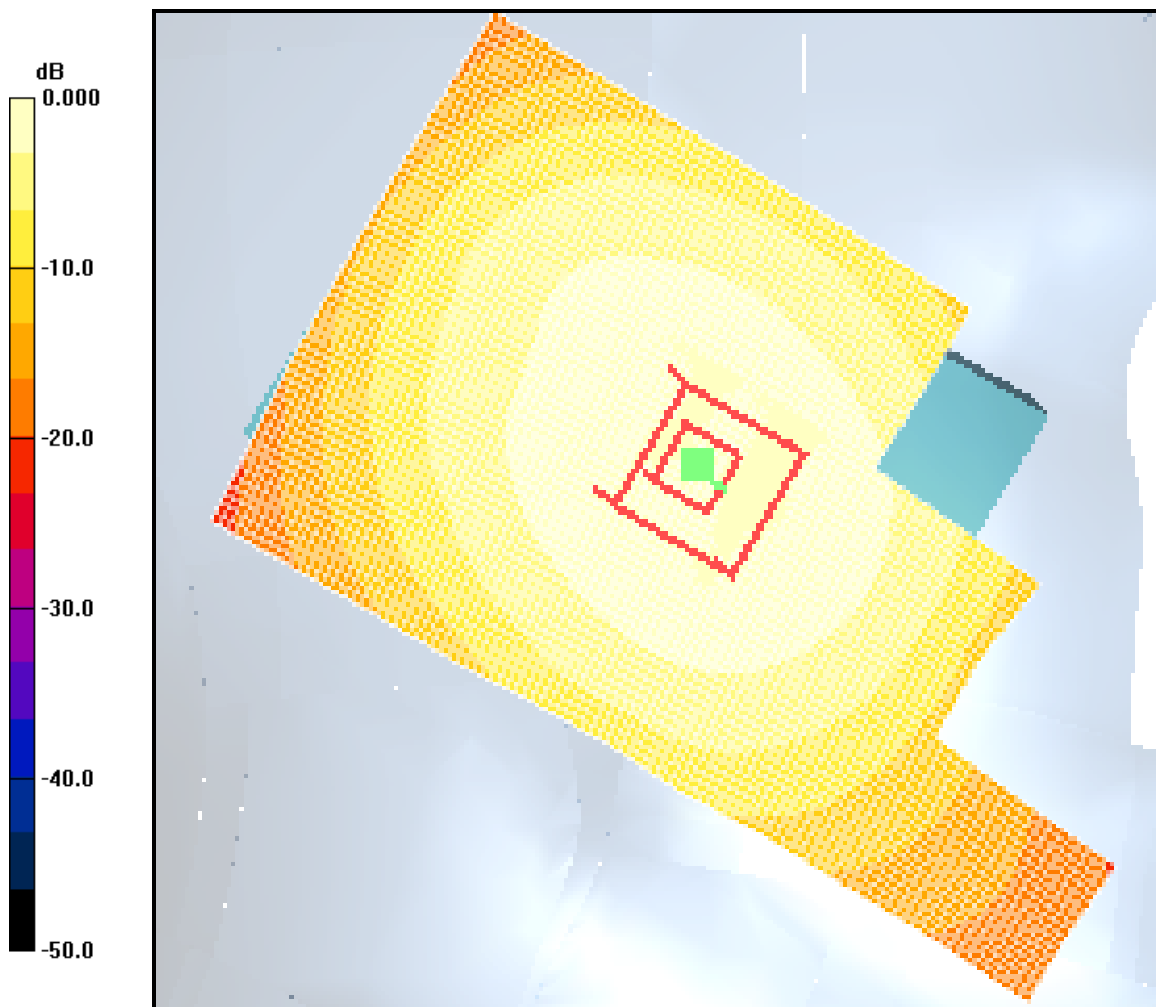
**CDMA-800 Ch1013 LC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.5 V/m; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 1.17 W/kg

**SAR(1 g) = 0.925 mW/g; SAR(10 g) = 0.690 mW/g**

Maximum value of SAR (measured) = 0.991 mW/g



0 dB = 0.967mW/g

Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-800 Ch383, Left Cheek**

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

Medium: Head 835 MHz, Medium parameters used (interpolated):  $f = 836.49$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(6.12, 6.12, 6.12), Calibrated: 8/20/2009

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

Electronics: DAE3 Sn494, Calibrated: 4/22/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:** Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

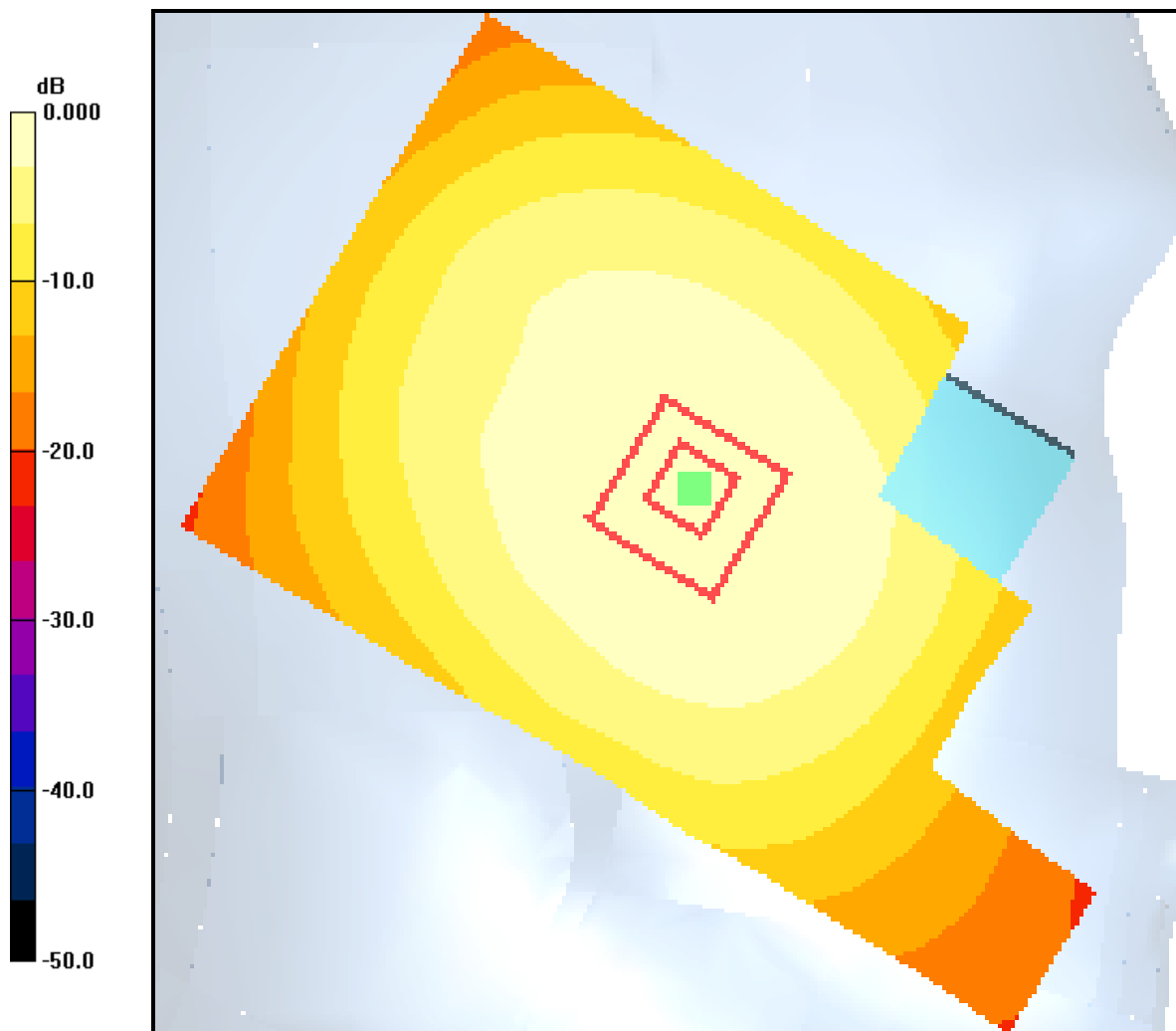
**CDMA-800 Ch383 LC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.7 V/m; Power Drift = -0.176 dB

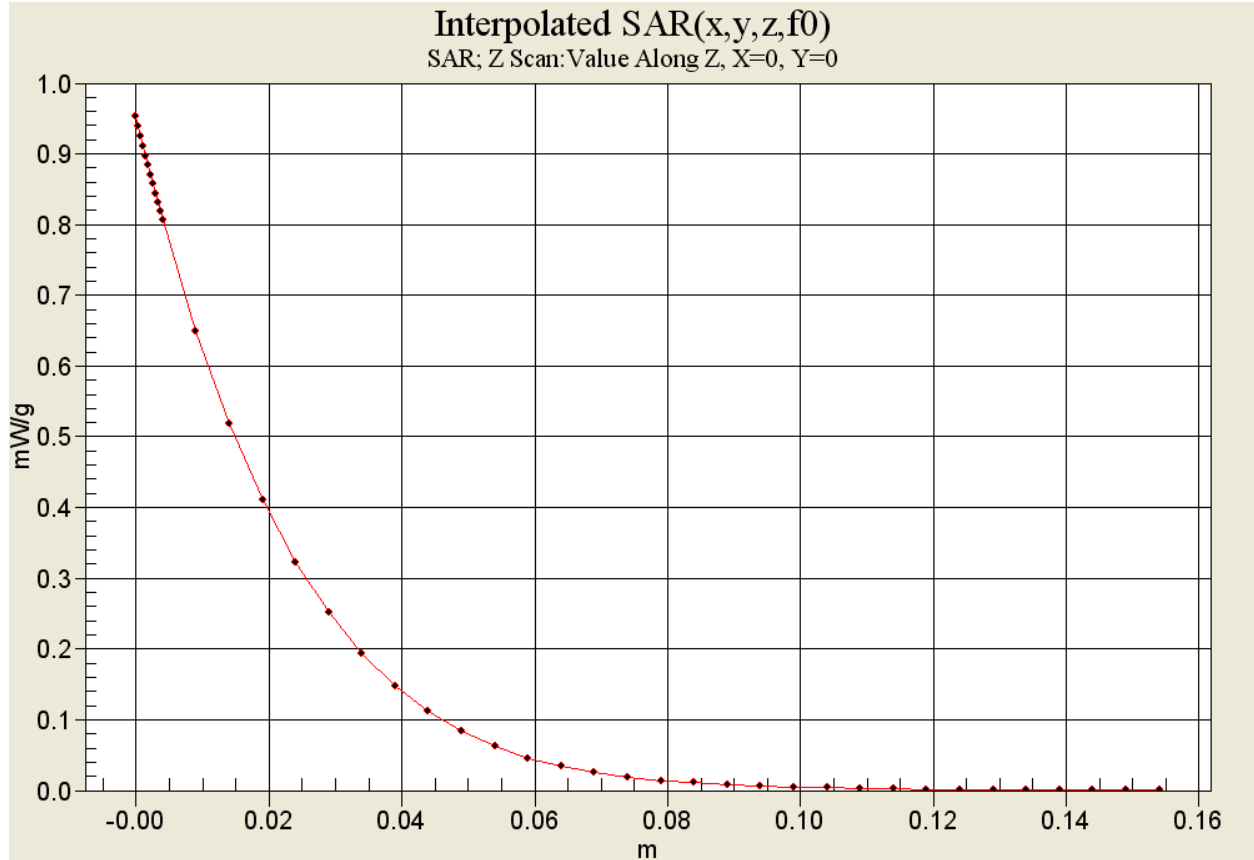
Peak SAR (extrapolated) = 0.990 W/kg

**SAR(1 g) = 0.790 mW/g; SAR(10 g) = 0.595 mW/g**

Maximum value of SAR (measured) = 0.825 mW/g



0 dB = 0.838mW/g



Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-800 Ch777, 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;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(6.12, 6.12, 6.12), Calibrated: 8/20/2009

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

Electronics: DAE3 Sn494, Calibrated: 4/22/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:** Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

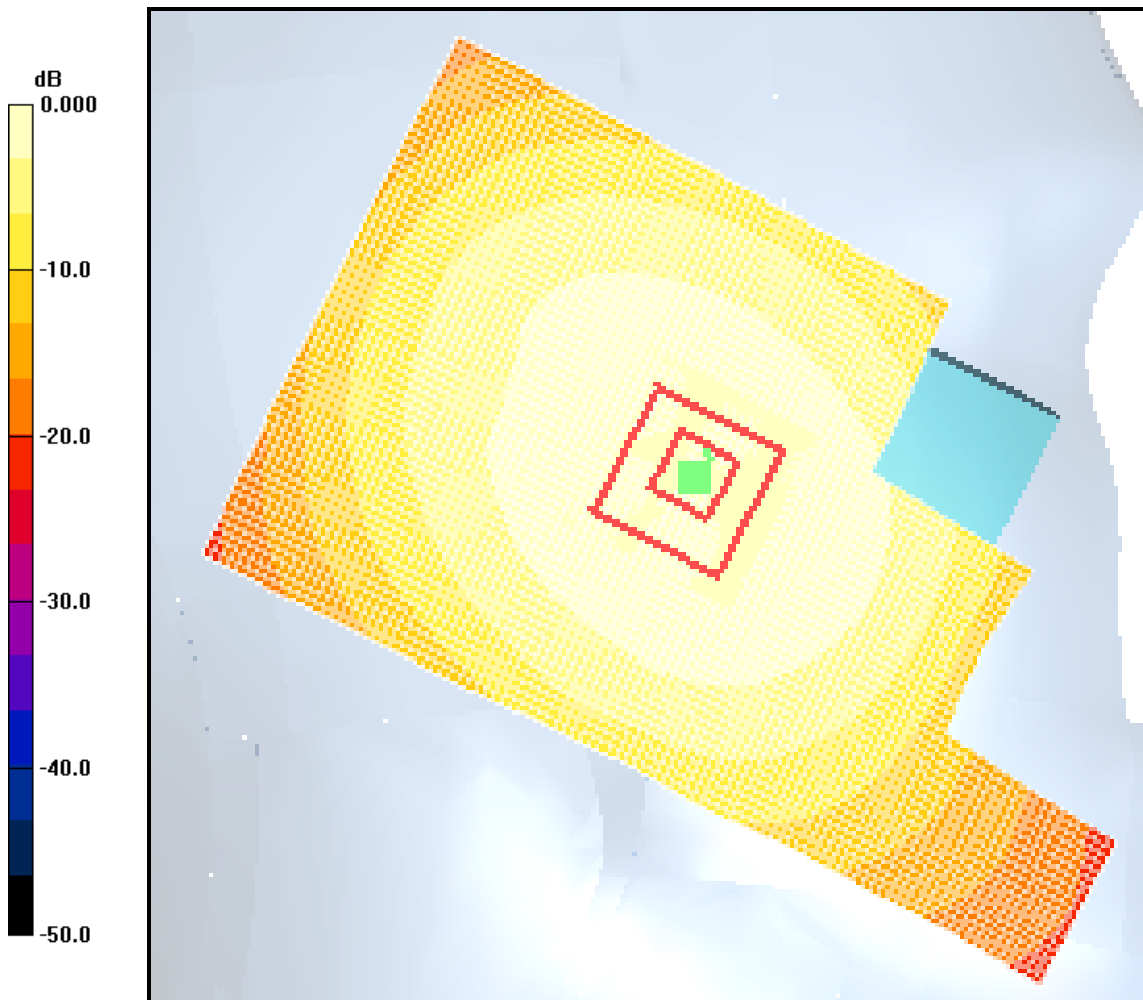
**CDMA-800 Ch777 LC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.5 V/m; Power Drift = 0.126 dB

Peak SAR (extrapolated) = 1.32 W/kg

**SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.796 mW/g**

Maximum value of SAR (measured) = 1.11 mW/g



0 dB = 1.09mW/g

Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-800 Ch383, 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;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(6.12, 6.12, 6.12), Calibrated: 8/20/2009

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

Electronics: DAE3 Sn494, Calibrated: 4/22/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

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

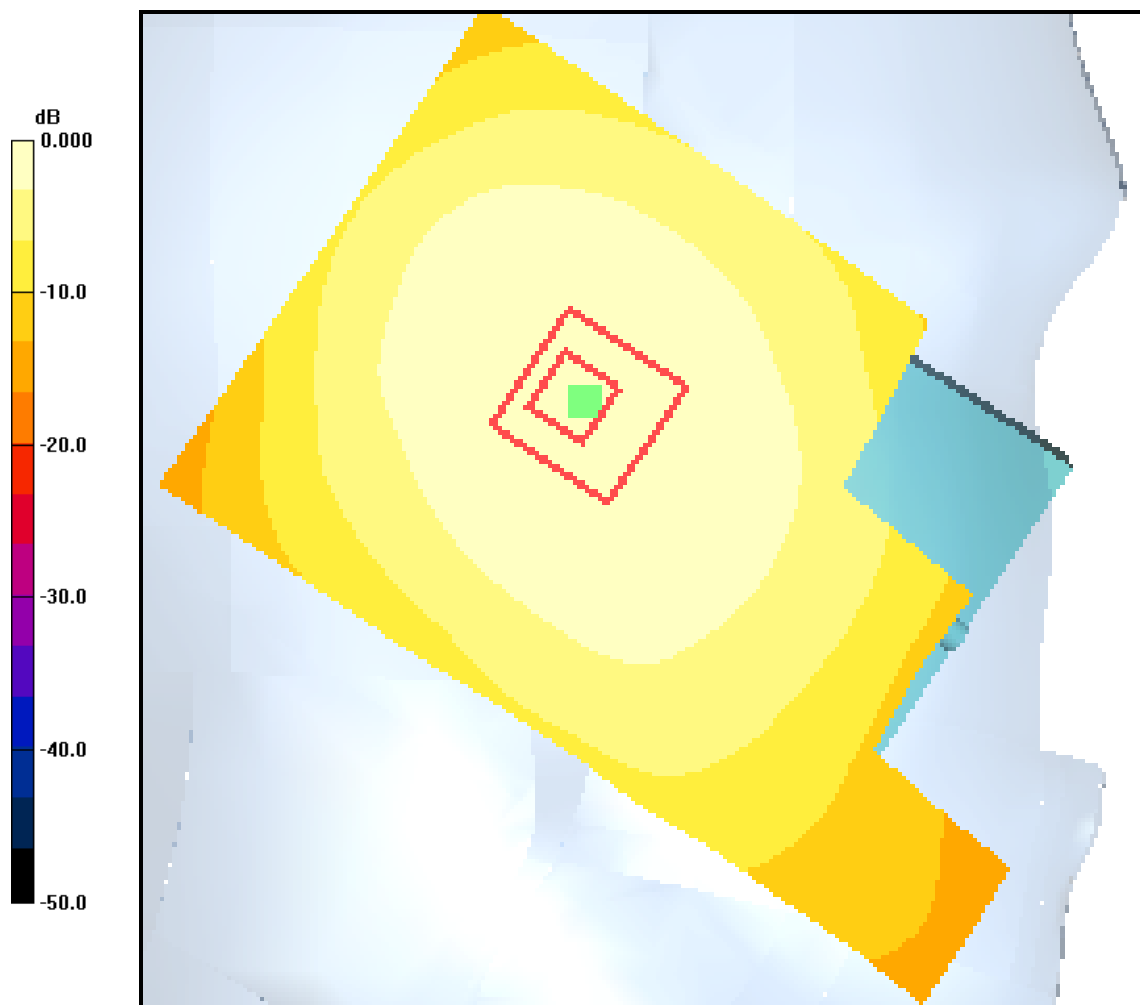
**CDMA-800 Ch383 LT/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.0 V/m; Power Drift = 0.015 dB

Peak SAR (extrapolated) = 0.511 W/kg

**SAR(1 g) = 0.403 mW/g; SAR(10 g) = 0.304 mW/g**

Maximum value of SAR (measured) = 0.425 mW/g



0 dB = 0.415mW/g

Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-800 Ch1013, Right Cheek**

Communication System: CDMA-800, Frequency: 824.7 MHz, Duty Cycle: 1:1

Medium: Head 835 MHz, Medium parameters used (interpolated):  $f = 824.7 \text{ MHz}$ ;  $\sigma = 0.89 \text{ mho/m}$ ;  $\epsilon_r = 40.1$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Right Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(6.12, 6.12, 6.12), Calibrated: 8/20/2009

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

Electronics: DAE3 Sn494, Calibrated: 4/22/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

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

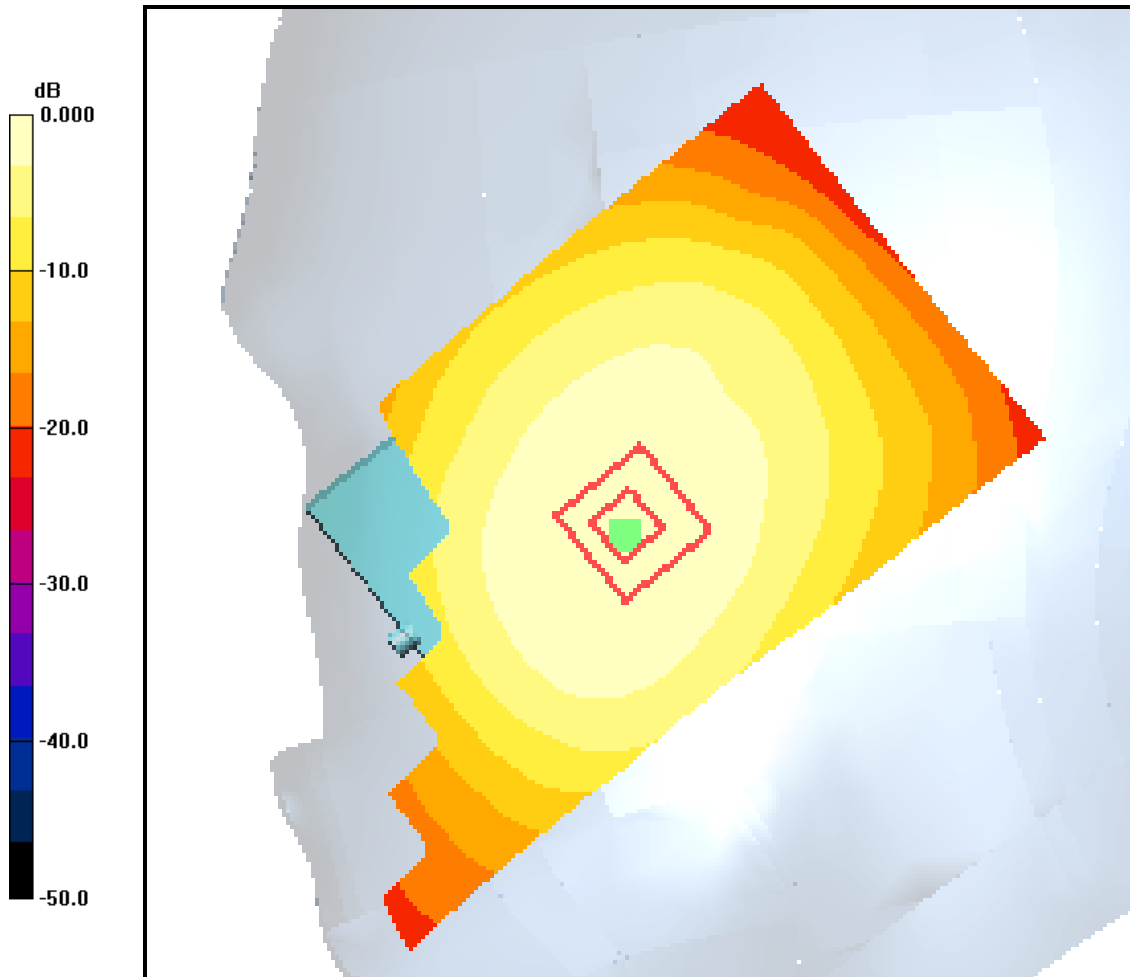
**CDMA-800 Ch1013 RC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 15.7 V/m; Power Drift = 0.139 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.787 mW/g**

Maximum value of SAR (measured) = 1.10 mW/g



0 dB = 1.08mW/g



Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-800 Ch383, Right Cheek**

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

Medium: Head 835 MHz, Medium parameters used (interpolated):  $f = 836.49$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Right Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(6.12, 6.12, 6.12), Calibrated: 8/20/2009

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

Electronics: DAE3 Sn494, Calibrated: 4/22/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

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

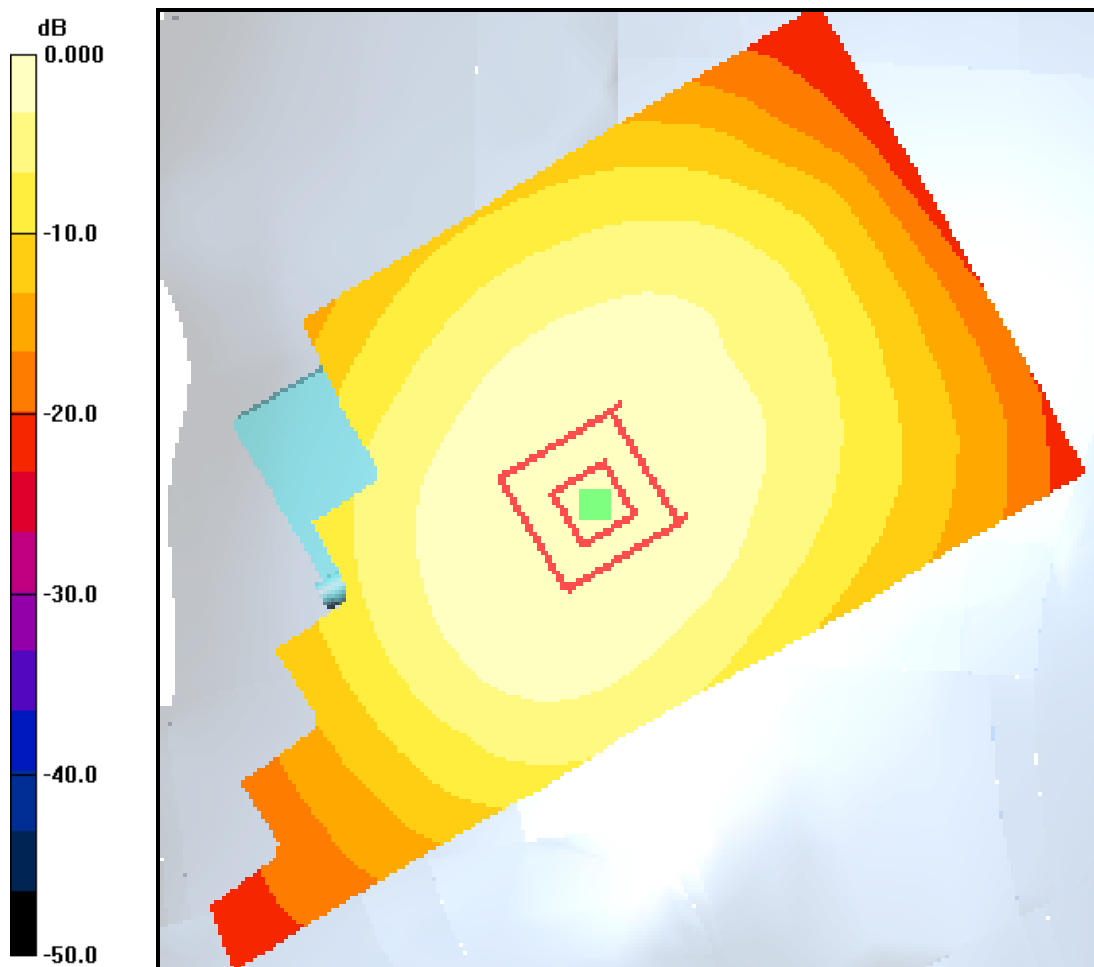
**CDMA-800 Ch383 RC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.7 V/m; Power Drift = 0.132 dB

Peak SAR (extrapolated) = 1.15 W/kg

**SAR(1 g) = 0.922 mW/g; SAR(10 g) = 0.687 mW/g**

Maximum value of SAR (measured) = 0.974 mW/g



0 dB = 0.974mW/g

Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-800 Ch777, 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;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Right Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(6.12, 6.12, 6.12), Calibrated: 8/20/2009

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

Electronics: DAE3 Sn494, Calibrated: 4/22/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

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

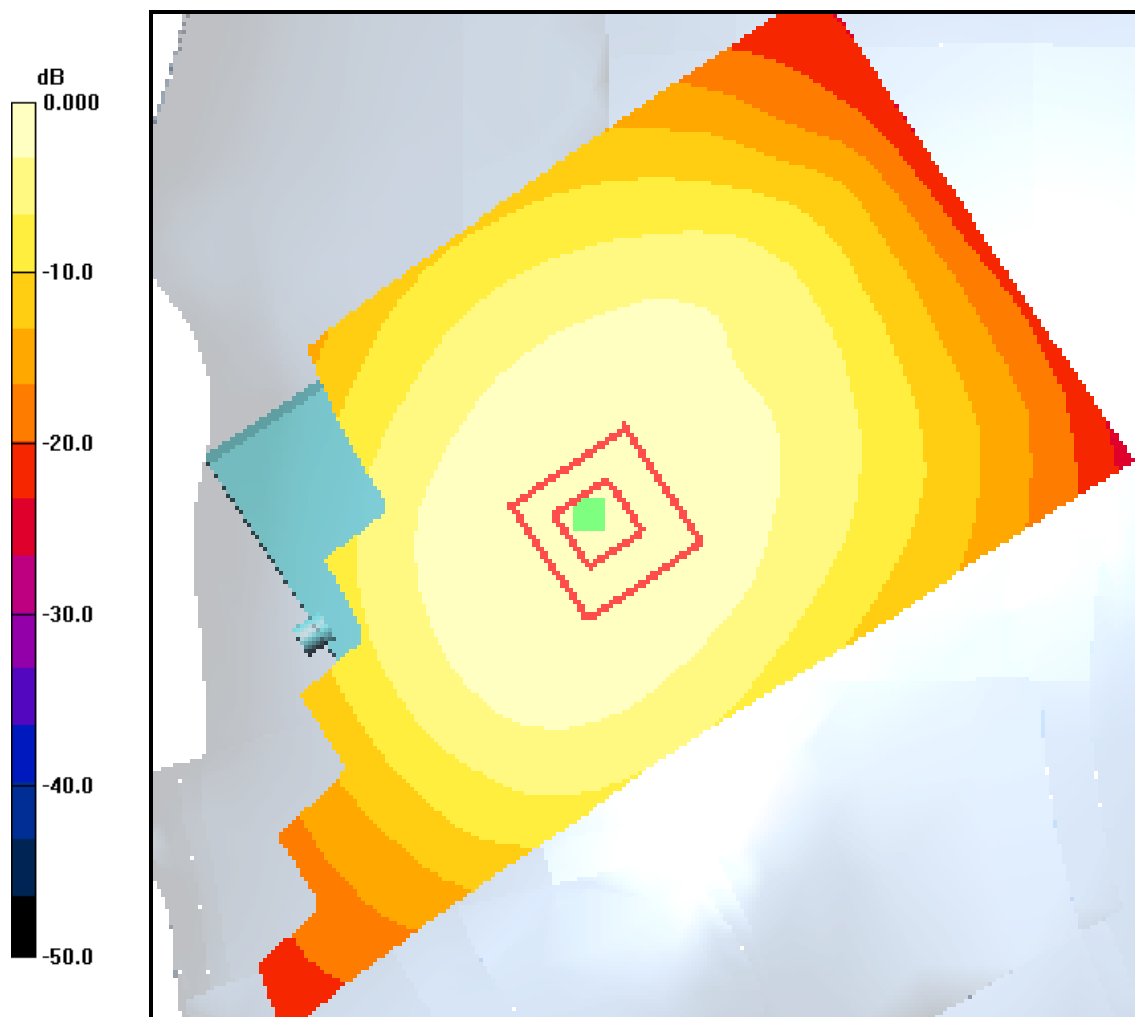
**CDMA-800 Ch777 RC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.6 V/m; Power Drift = -0.096 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.781 mW/g**

Maximum value of SAR (measured) = 1.10 mW/g



0 dB = 1.09mW/g

Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-800 Ch383, 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;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Right Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(6.12, 6.12, 6.12), Calibrated: 8/20/2009

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

Electronics: DAE3 Sn494, Calibrated: 4/22/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

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

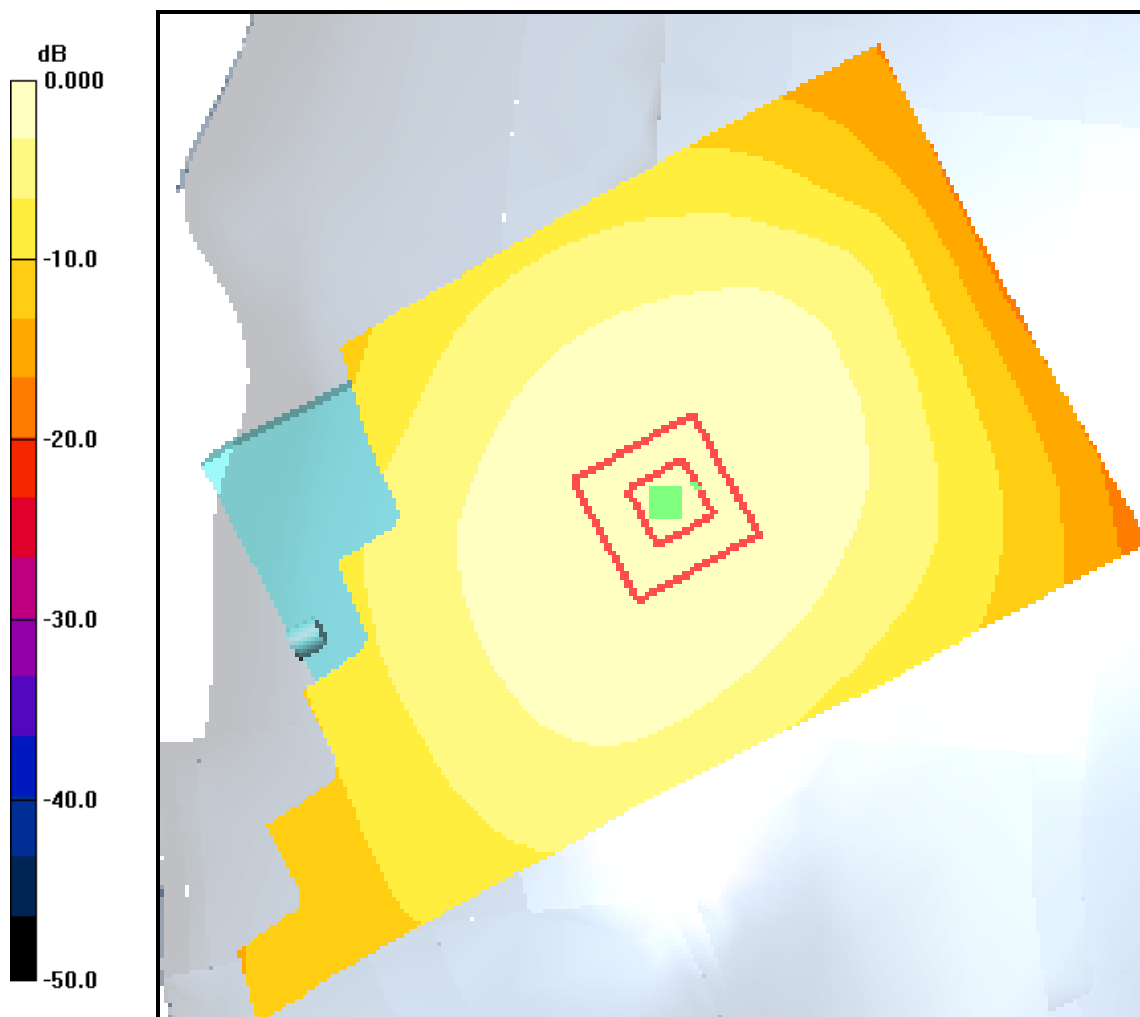
**CDMA-800 Ch383 RT/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.4 V/m; Power Drift = -0.042 dB

Peak SAR (extrapolated) = 0.495 W/kg

**SAR(1 g) = 0.393 mW/g; SAR(10 g) = 0.298 mW/g**

Maximum value of SAR (measured) = 0.411 mW/g



0 dB = 0.416mW/g



FCC ID: OVF-K5302  
IC #: 3572A-S2300

**AWS**

Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-1700 Ch25, Left Cheek**

Communication System: AWS-1700, Frequency: 1711.25 MHz, Duty Cycle: 1:1

Medium: HSL 1700, Medium parameters used (interpolated):  $f = 1711.25$  MHz;  $\sigma = 1.37$  mho/m;  $\epsilon_r = 39.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(5.52, 5.52, 5.52), Calibrated: 7/15/2009

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

Electronics: DAE4 Sn675, Calibrated: 4/29/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:** Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

**CDMA-1700 Ch25 LC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.8 V/m; Power Drift = -0.174 dB

Peak SAR (extrapolated) = 1.44 W/kg

**SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.651 mW/g**

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

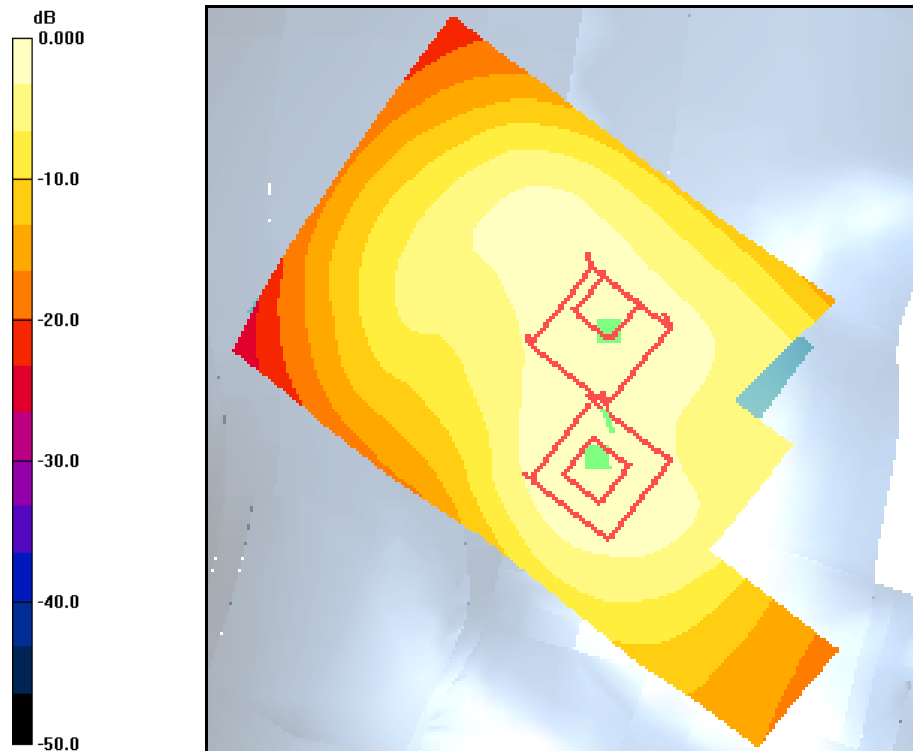
**CDMA-1700 Ch25 LC/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.8 V/m; Power Drift = -0.174 dB

Peak SAR (extrapolated) = 1.08 W/kg

**SAR(1 g) = 0.800 mW/g; SAR(10 g) = 0.560 mW/g**

Maximum value of SAR (measured) = 0.903 mW/g



0 dB = 1.16mW/g

Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-1700 Ch450, 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;  $\sigma = 1.37$  mho/m;  $\epsilon_r = 39.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(5.52, 5.52, 5.52), Calibrated: 7/15/2009

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

Electronics: DAE4 Sn675, Calibrated: 4/29/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:** Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

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

Reference Value = 15.7 V/m; Power Drift = 0.013 dB

Peak SAR (extrapolated) = 1.63 W/kg

**SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.727 mW/g**

Maximum value of SAR (measured) = 1.32 mW/g

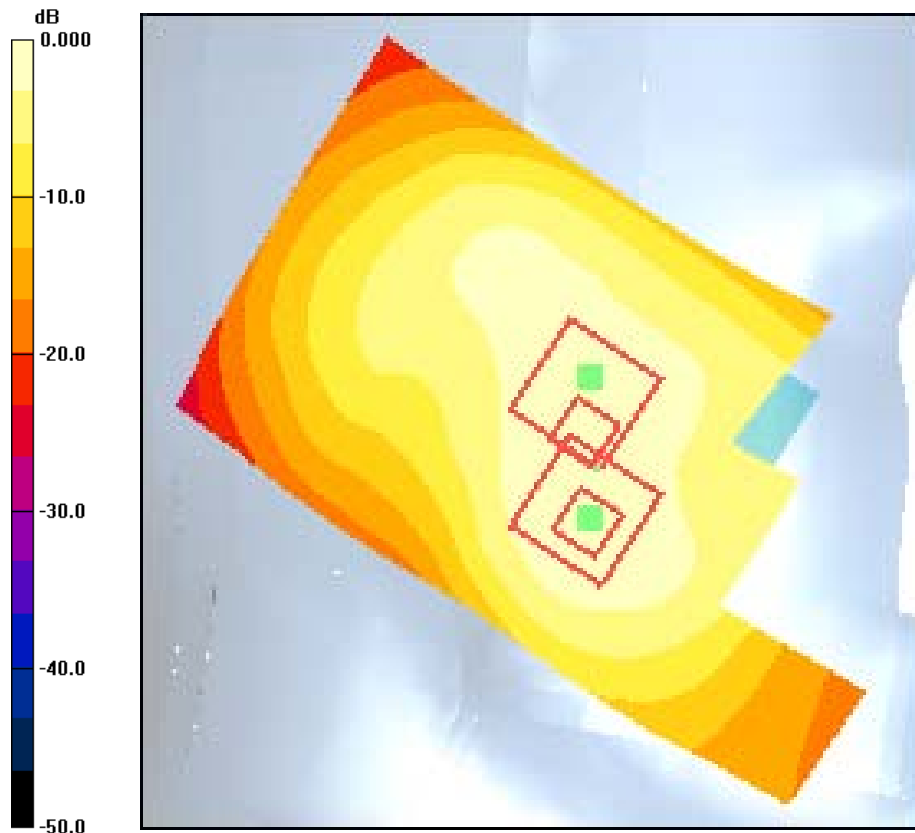
**CDMA-1700 Ch450 LC/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.7 V/m; Power Drift = 0.013 dB

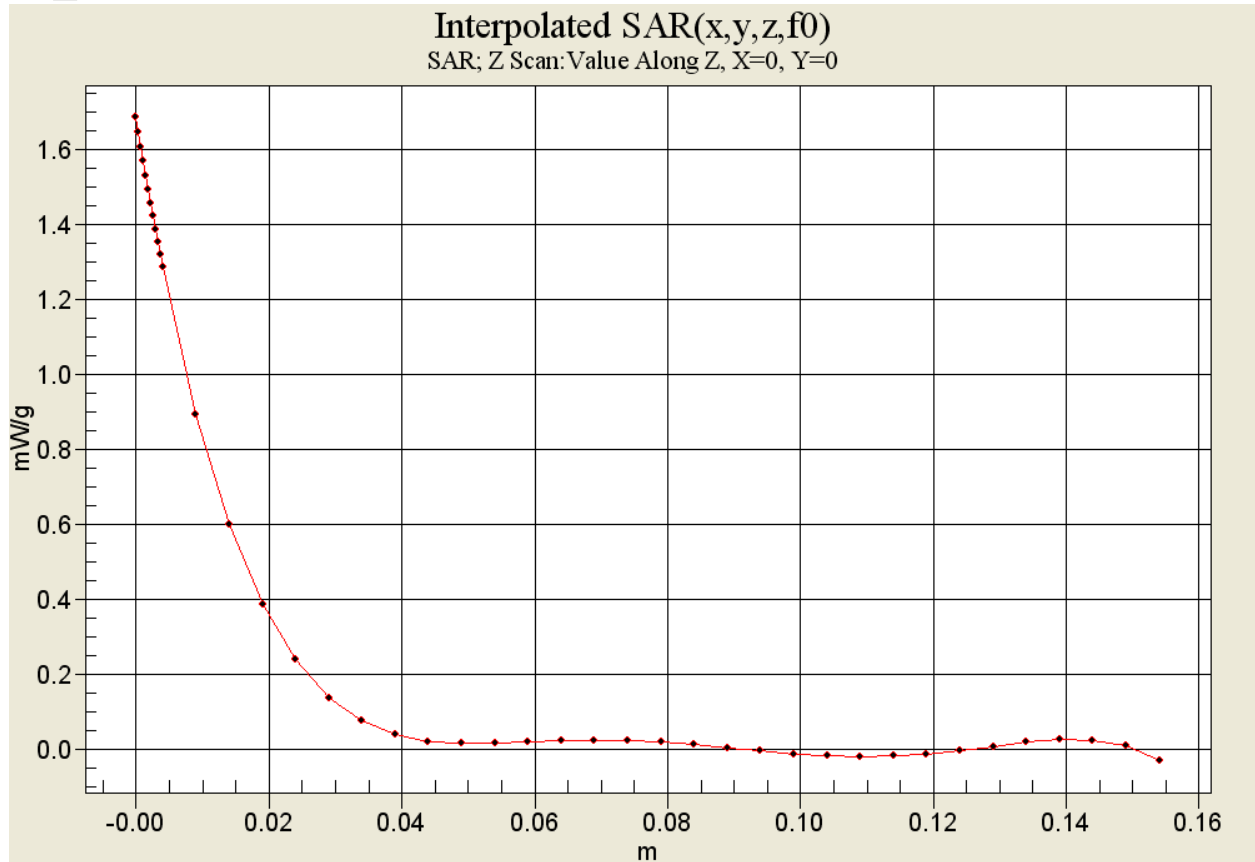
Peak SAR (extrapolated) = 1.30 W/kg

**SAR(1 g) = 0.897 mW/g; SAR(10 g) = 0.619 mW/g**

Maximum value of SAR (measured) = 1.07 mW/g



0 dB = 1.31mW/g



Date: 1/11/2010

Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-1700 Ch875, Left Cheek**

Communication System: AWS-1700, Frequency: 1753.75 MHz, Duty Cycle: 1:1  
Medium: HSL 1700, Medium parameters used:  $f = 1760$  MHz;  $\sigma = 1.37$  mho/m;  $\epsilon_r = 39.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(5.52, 5.52, 5.52), Calibrated: 7/15/2009

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

Electronics: DAE4 Sn675, Calibrated: 4/29/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:** Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

**CDMA-1700 Ch875 LC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.9 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 0.952 mW/g; SAR(10 g) = 0.587 mW/g**

Maximum value of SAR (measured) = 1.05 mW/g

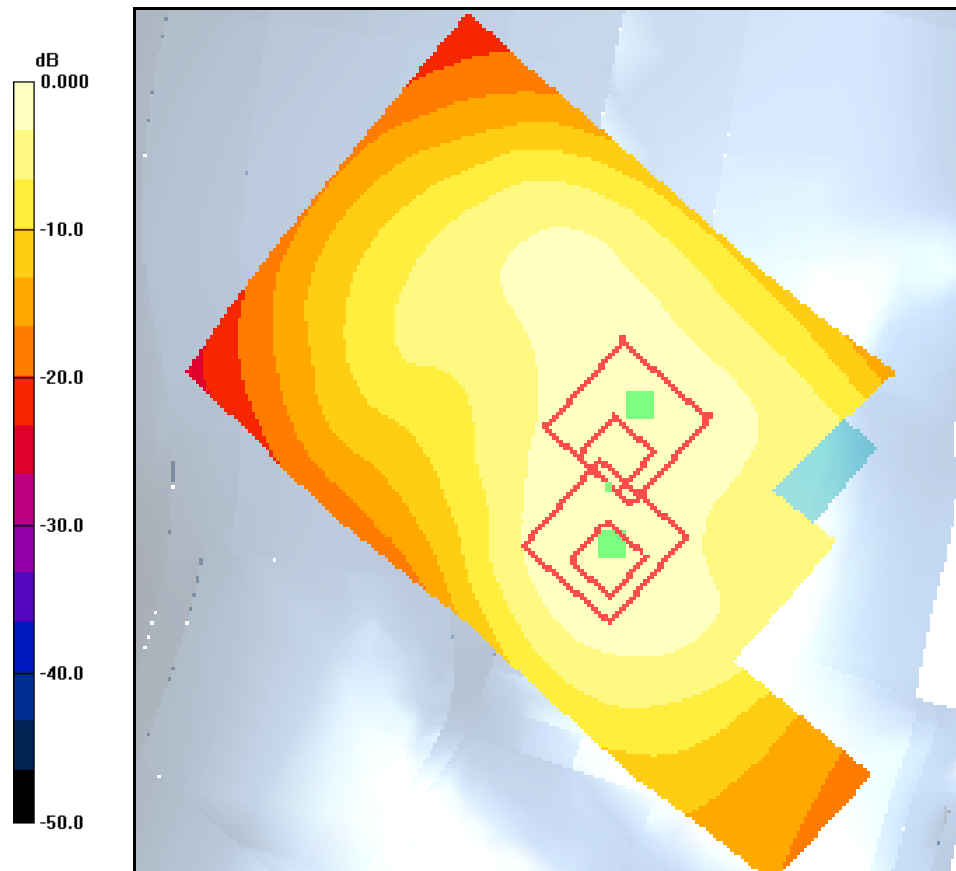
**CDMA-1700 Ch875 LC/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.9 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.748 mW/g; SAR(10 g) = 0.518 mW/g**

Maximum value of SAR (measured) = 0.866 mW/g



0 dB = 1.07mW/g



Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-1700 Ch450, 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;  $\sigma = 1.37$  mho/m;  $\epsilon_r = 39.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(5.52, 5.52, 5.52), Calibrated: 7/15/2009

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

Electronics: DAE4 Sn675, Calibrated: 4/29/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:** Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

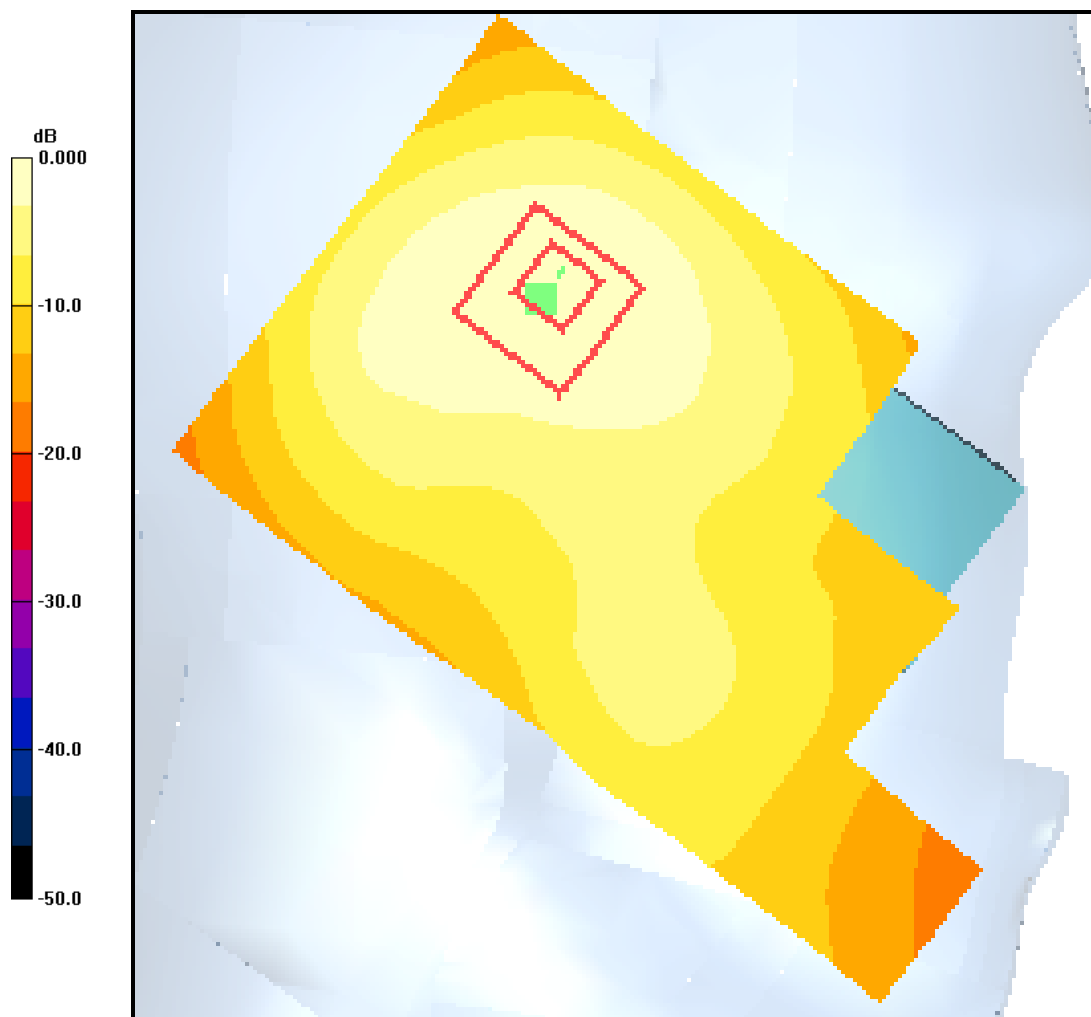
**CDMA-1700 Ch450 LT/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.9 V/m; Power Drift = 0.088 dB

Peak SAR (extrapolated) = 0.707 W/kg

**SAR(1 g) = 0.538 mW/g; SAR(10 g) = 0.354 mW/g**

Maximum value of SAR (measured) = 0.584 mW/g



0 dB = 0.599mW/g

Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-1700 Ch25, Right Cheek**

Communication System: AWS-1700, Frequency: 1711.25 MHz, Duty Cycle: 1:1

Medium: HSL 1700, Medium parameters used (interpolated):  $f = 1711.25$  MHz;  $\sigma = 1.37$  mho/m;  $\epsilon_r = 39.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Right Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(5.52, 5.52, 5.52), Calibrated: 7/15/2009

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

Electronics: DAE4 Sn675, Calibrated: 4/29/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:** Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

**CDMA-1700 Ch25 RC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.1 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 1.21 W/kg

**SAR(1 g) = 0.885 mW/g; SAR(10 g) = 0.561 mW/g**

Maximum value of SAR (measured) = 0.964 mW/g

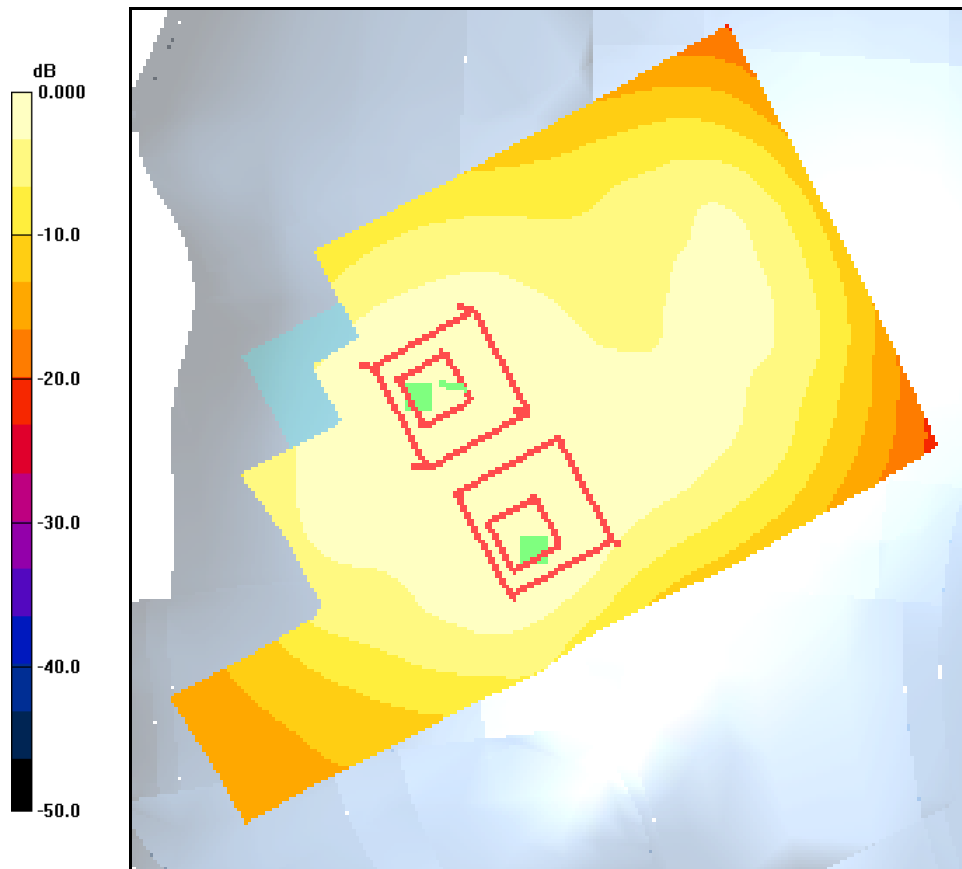
**CDMA-1700 Ch25 RC/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.1 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 1.12 W/kg

**SAR(1 g) = 0.814 mW/g; SAR(10 g) = 0.504 mW/g**

Maximum value of SAR (measured) = 0.893 mW/g



0 dB = 0.893mW/g

Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-1700 Ch450, 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;  $\sigma = 1.37$  mho/m;  $\epsilon_r = 39.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Right Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(5.52, 5.52, 5.52), Calibrated: 7/15/2009

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

Electronics: DAE4 Sn675, Calibrated: 4/29/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:** Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

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

Reference Value = 19.1 V/m; Power Drift = -0.122 dB

Peak SAR (extrapolated) = 1.63 W/kg

**SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.735 mW/g**

Maximum value of SAR (measured) = 1.29 mW/g

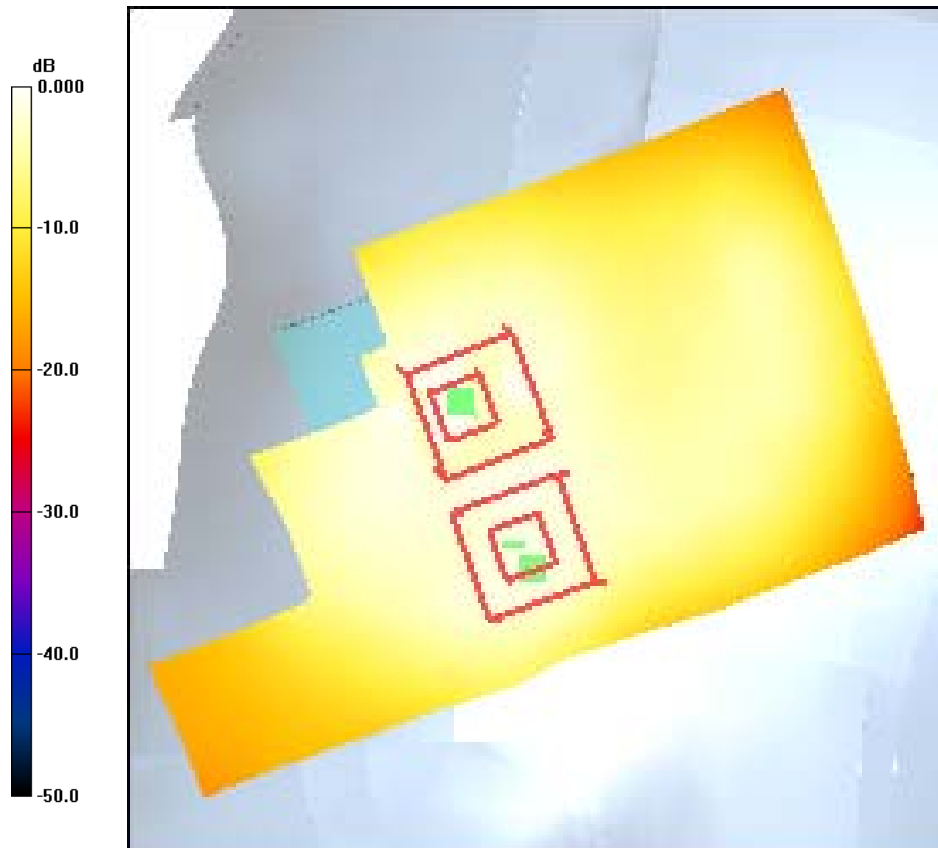
**CDMA-1700 Ch450 RC/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.1 V/m; Power Drift = -0.122 dB

Peak SAR (extrapolated) = 1.35 W/kg

**SAR(1 g) = 0.976 mW/g; SAR(10 g) = 0.586 mW/g**

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



0 dB = 1.30mW/g

Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-1700 Ch875, Right Cheek**

Communication System: AWS-1700, Frequency: 1753.75 MHz, Duty Cycle: 1:1

Medium: HSL 1700,Medium parameters used:  $f = 1760$  MHz;  $\sigma = 1.37$  mho/m;  $\epsilon_r = 39.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12,Phantom section: Right Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(5.52, 5.52, 5.52), Calibrated: 7/15/2009

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

Electronics: DAE4 Sn675,Calibrated: 4/29/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

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

**CDMA-1700 Ch875 RC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.9 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 1.12 W/kg

**SAR(1 g) = 0.800 mW/g; SAR(10 g) = 0.511 mW/g**

Maximum value of SAR (measured) = 0.878 mW/g

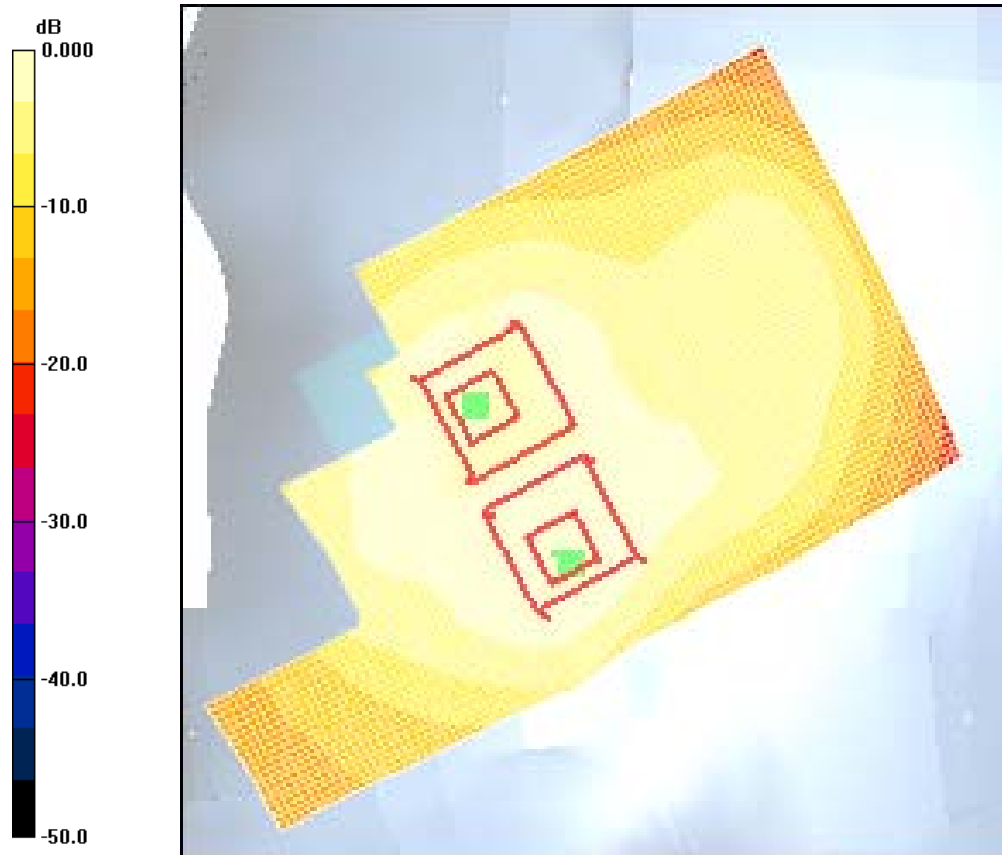
**CDMA-1700 Ch875 RC/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.9 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.801 mW/g; SAR(10 g) = 0.487 mW/g**

Maximum value of SAR (measured) = 0.875 mW/g



Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-1700 Ch450, Right Tilt**

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

Medium: HSL 1700, Medium parameters used (interpolated):  $f = 1732.5 \text{ MHz}$ ;  $\sigma = 1.37 \text{ mho/m}$ ;  $\epsilon_r = 39.8$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Right Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(5.52, 5.52, 5.52), Calibrated: 7/15/20

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

Electronics: DAE4 Sn675, Calibrated: 4/29/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:** Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

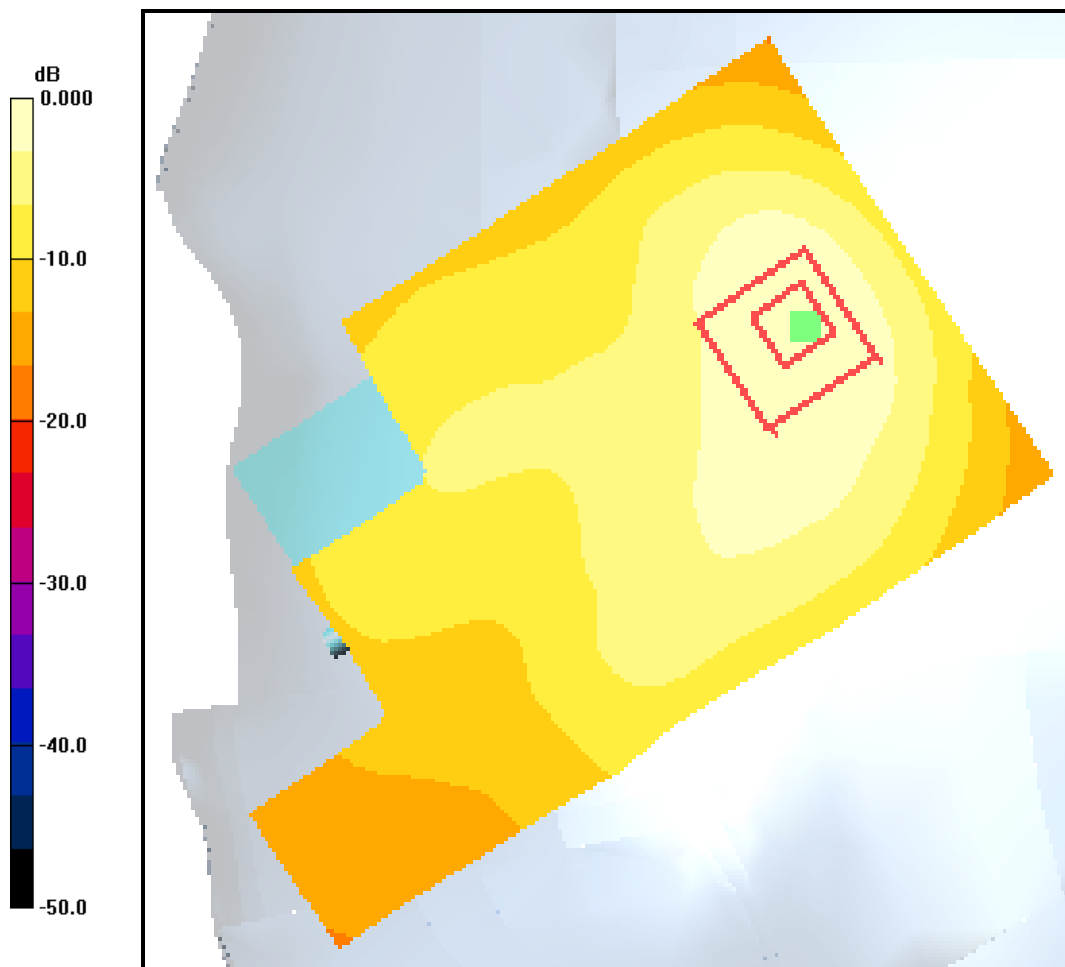
**CDMA-1700 Ch450 RT/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.5 V/m; Power Drift = 0.097 dB

Peak SAR (extrapolated) = 0.678 W/kg

**SAR(1 g) = 0.498 mW/g; SAR(10 g) = 0.312 mW/g**

Maximum value of SAR (measured) = 0.545 mW/g



0 dB = 0.591mW/g



FCC ID: OVF-K5302  
IC #: 3572A-S2300

# PCS

Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-1900 Ch25, Left Cheek**

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1

Medium: HSL1900, Medium parameters used (interpolated):  $f = 1851.25 \text{ MHz}$ ;  $\sigma = 1.43 \text{ mho/m}$ ;  $\epsilon_r = 39$ ;  $\rho = 1000 \text{ kg/m}^3$

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 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**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: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.7 V/m; Power Drift = 0.075 dB

Peak SAR (extrapolated) = 1.38 W/kg

**SAR(1 g) = 0.923 mW/g; SAR(10 g) = 0.563 mW/g**

Maximum value of SAR (measured) = 0.997 mW/g

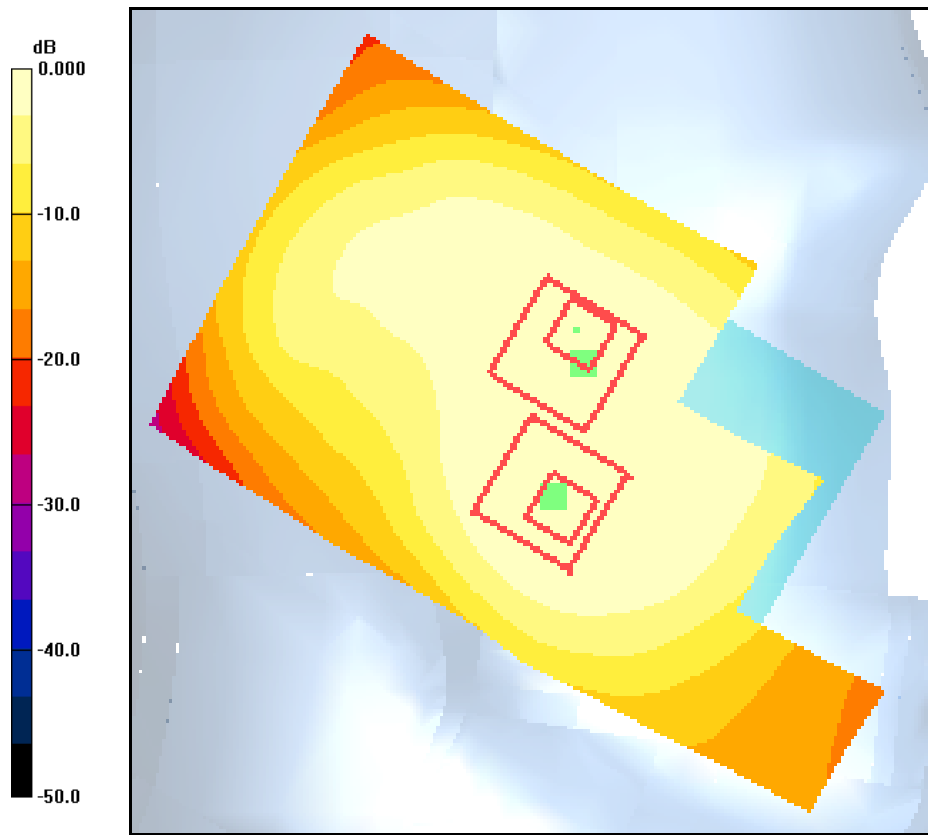
**CDMA-1900\_Ch25 LC/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.7 V/m; Power Drift = 0.075 dB

Peak SAR (extrapolated) = 1.18 W/kg

**SAR(1 g) = 0.750 mW/g; SAR(10 g) = 0.492 mW/g**

Maximum value of SAR (measured) = 0.810 mW/g



0 dB = 0.810mW/g

Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-1900 Ch600, Left Cheek**

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

Medium: HSL1900, Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  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 80

Postprocessing SW: SEMCAD, V1.8 Build 186

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 = 14.8 V/m; Power Drift = 0.165 dB

Peak SAR (extrapolated) = 1.28 W/kg

**SAR(1 g) = 0.849 mW/g; SAR(10 g) = 0.504 mW/g**

Maximum value of SAR (measured) = 0.936 mW/g

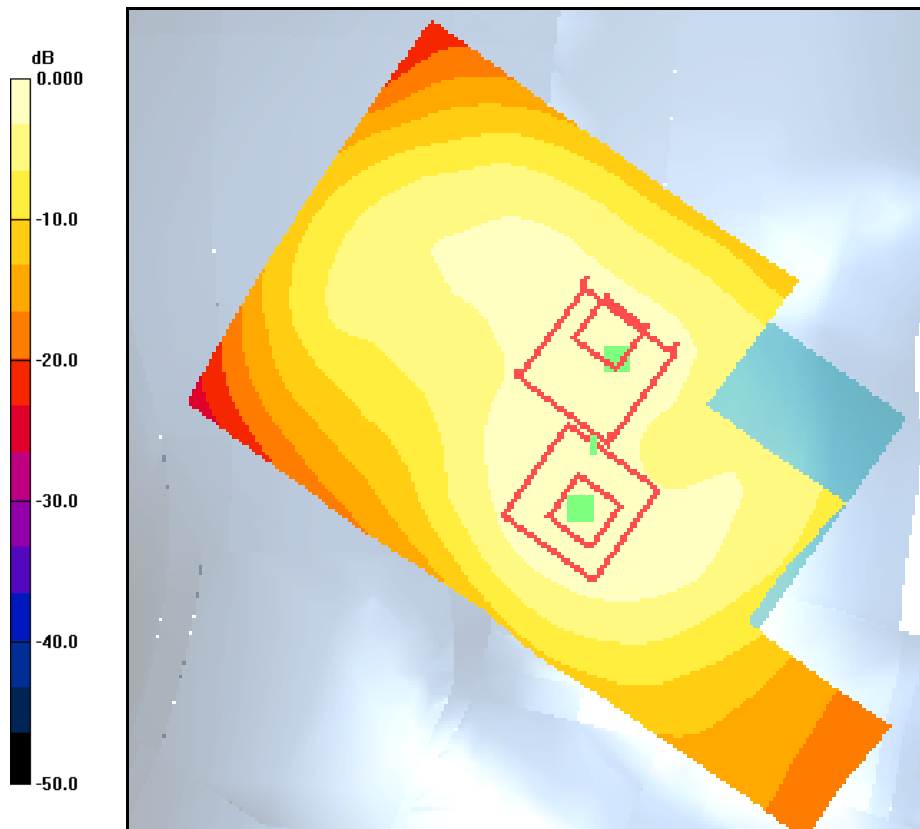
**CDMA-1900\_CH600 LC/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.8 V/m; Power Drift = 0.165 dB

Peak SAR (extrapolated) = 0.984 W/kg

**SAR(1 g) = 0.572 mW/g; SAR(10 g) = 0.379 mW/g**

Maximum value of SAR (measured) = 0.639 mW/g



0 dB = 0.913mW/g



Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-1900 Ch1175, Left Cheek**

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1

Medium: HSL1900, Medium parameters used (interpolated):  $f = 1908.75 \text{ MHz}$ ;  $\sigma = 1.43 \text{ mho/m}$ ;  $\epsilon_r = 39$ ;  $\rho = 1000 \text{ kg/m}^3$

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 80

Postprocessing SW: SEMCAD, V1.8 Build 186

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

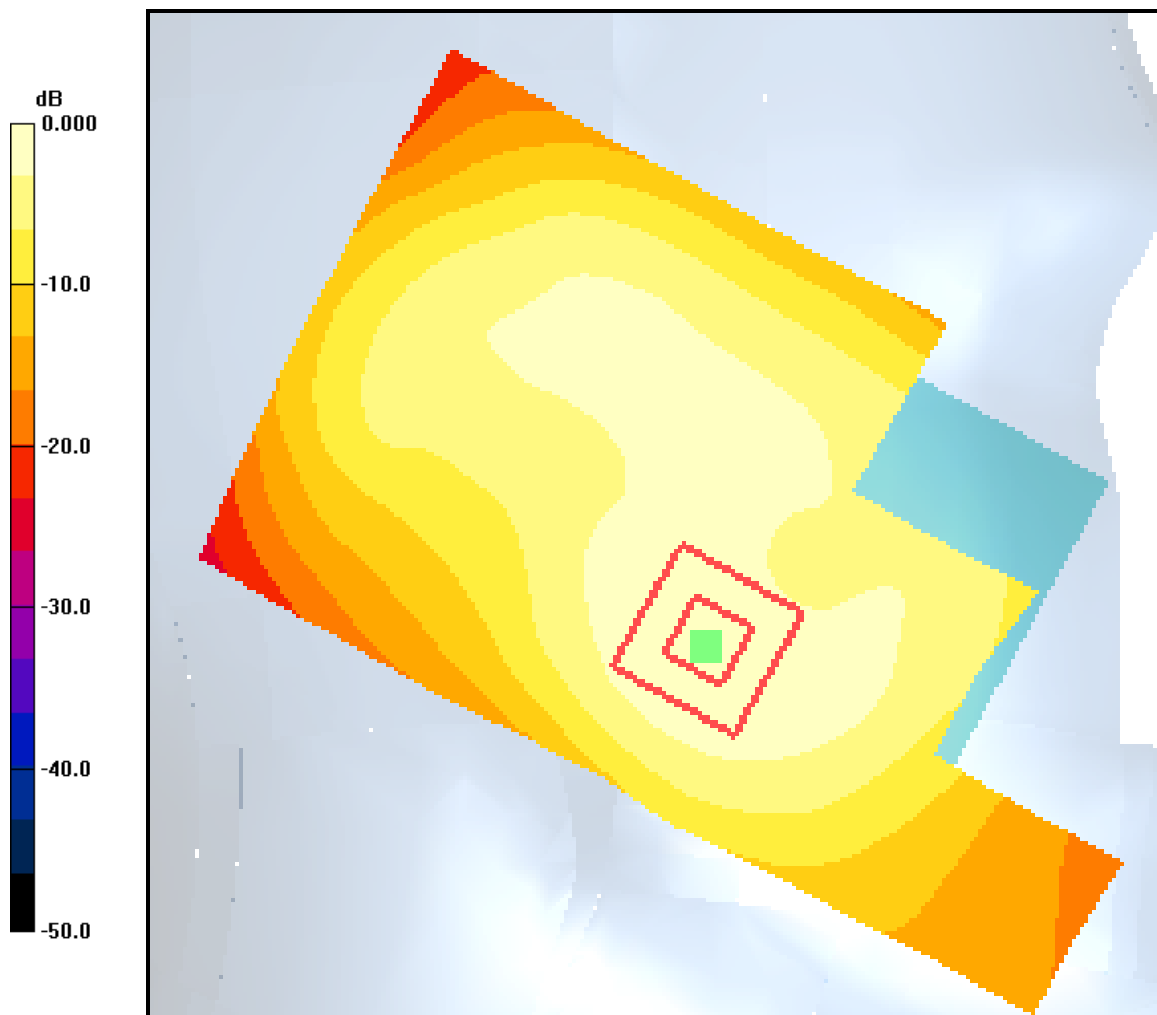
**CDMA-1900\_Ch 1175 LC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.2 V/m; Power Drift = 0.008 dB

Peak SAR (extrapolated) = 1.16 W/kg

**SAR(1 g) = 0.770 mW/g; SAR(10 g) = 0.454 mW/g**

Maximum value of SAR (measured) = 0.844 mW/g



0 dB = 0.844mW/g

Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-1900 Ch25, Left Tilt**

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

Medium: HSL1900, Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  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 80

Postprocessing SW: SEMCAD, V1.8 Build 186

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

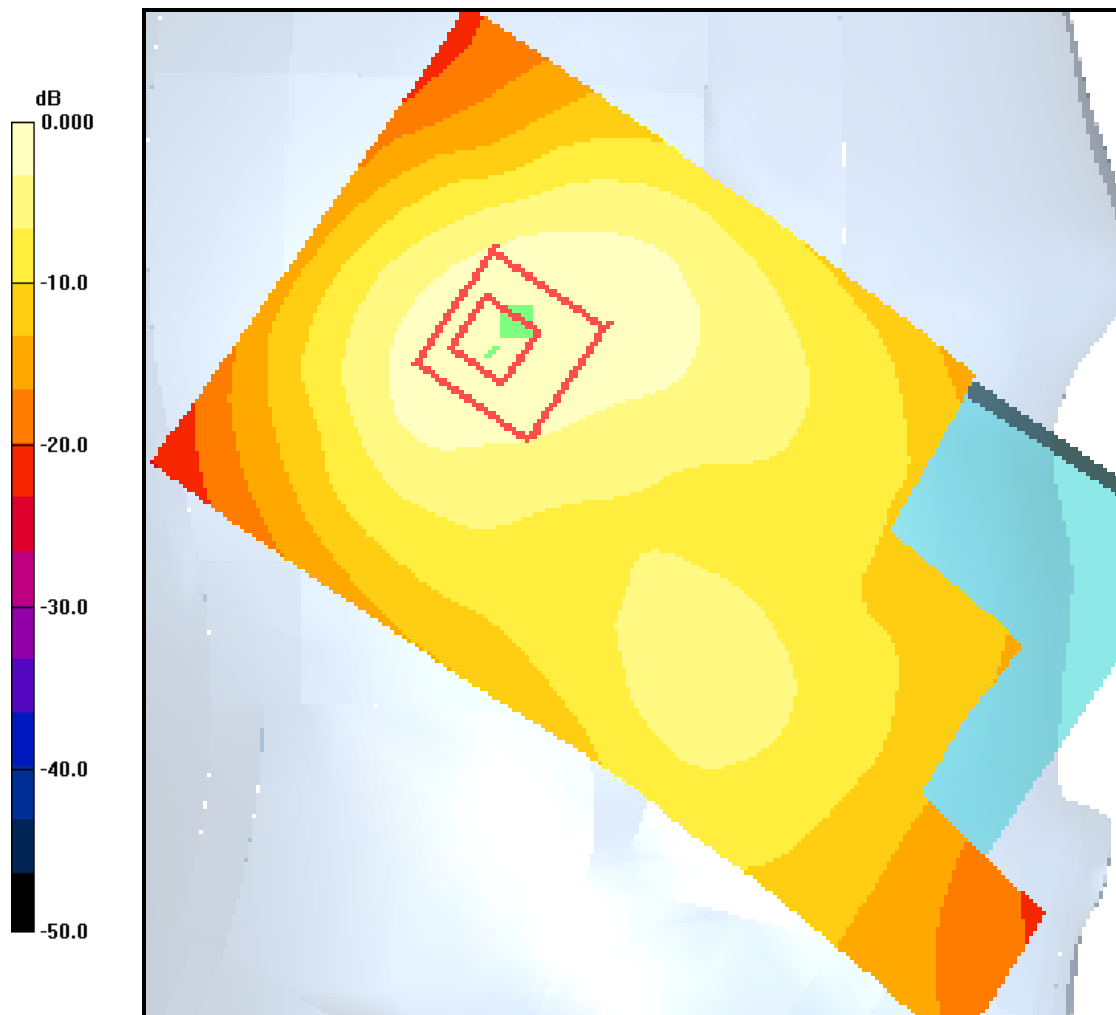
**CDMA-1900\_CH600 LT/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.7 V/m; Power Drift = 0.177 dB

Peak SAR (extrapolated) = 0.803 W/kg

**SAR(1 g) = 0.513 mW/g; SAR(10 g) = 0.311 mW/g**

Maximum value of SAR (measured) = 0.563 mW/g



0 dB = 0.593mW/g

Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-1900 Ch25, Right Cheek**

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1  
Medium: HSL1900, Medium parameters used (interpolated):  $f = 1851.25 \text{ MHz}$ ;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.2$ ;  
 $\rho = 1000 \text{ kg/m}^3$

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 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:** Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

**CDMA-1900\_Ch25 RC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.5 V/m; Power Drift = -0.042 dB

Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 0.956 mW/g; SAR(10 g)**

Maximum value of SAR (measured) = 1.05 mW/g

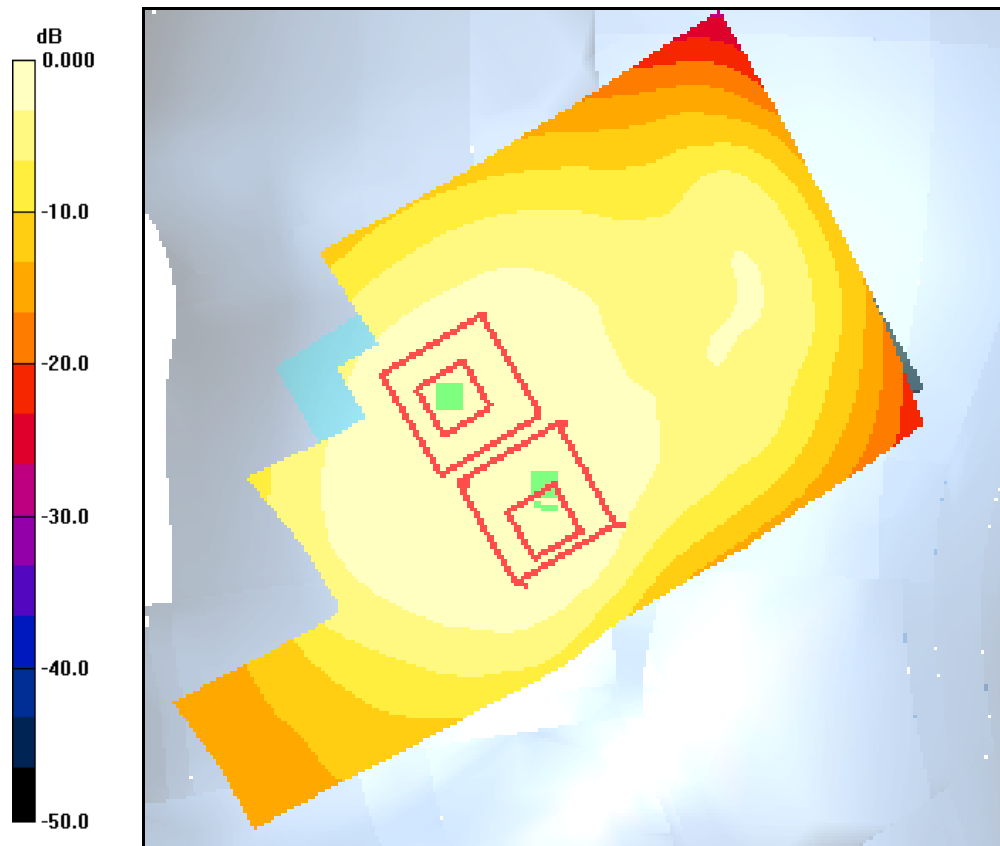
**CDMA-1900\_Ch25 RC/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.5 V/m; Power Drift = -0.042 dB

Peak SAR (extrapolated) = 1.30 W/kg

**SAR(1 g) = 0.845 mW/g; SAR(10 g) = 0.531 mW/g**

Maximum value of SAR (measured) = 0.913 mW/g



0 dB = 0.946mW/g

Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-1900 Ch600, Right Cheek**

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

Medium: HSL1900, Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.43 \text{ mho/m}$ ;  $\epsilon_r = 39.4$ ;  $\rho = 1000 \text{ kg/m}^3$

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 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**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 = 16.7 V/m; Power Drift = 0.182 dB

Peak SAR (extrapolated) = 1.38 W/kg

**SAR(1 g) = 0.889 mW/g; SAR(10 g) = 0.516 mW/g**

Maximum value of SAR (measured) = 0.971 mW/g

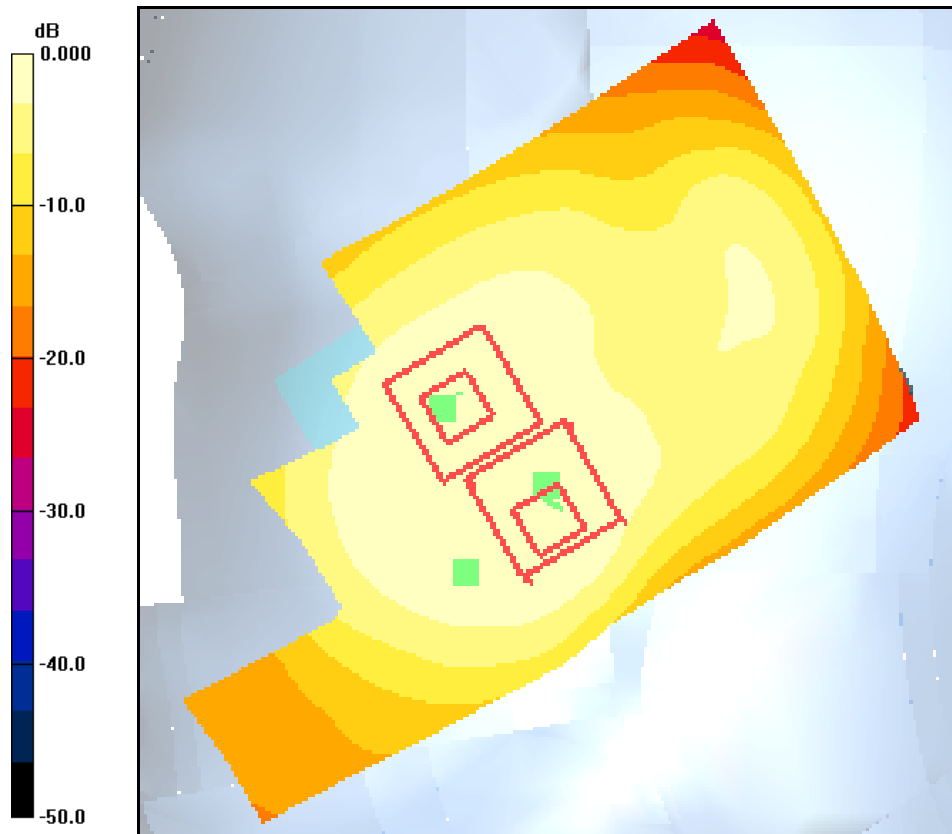
**CDMA-1900\_CH600 RC/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.7 V/m; Power Drift = 0.182 dB

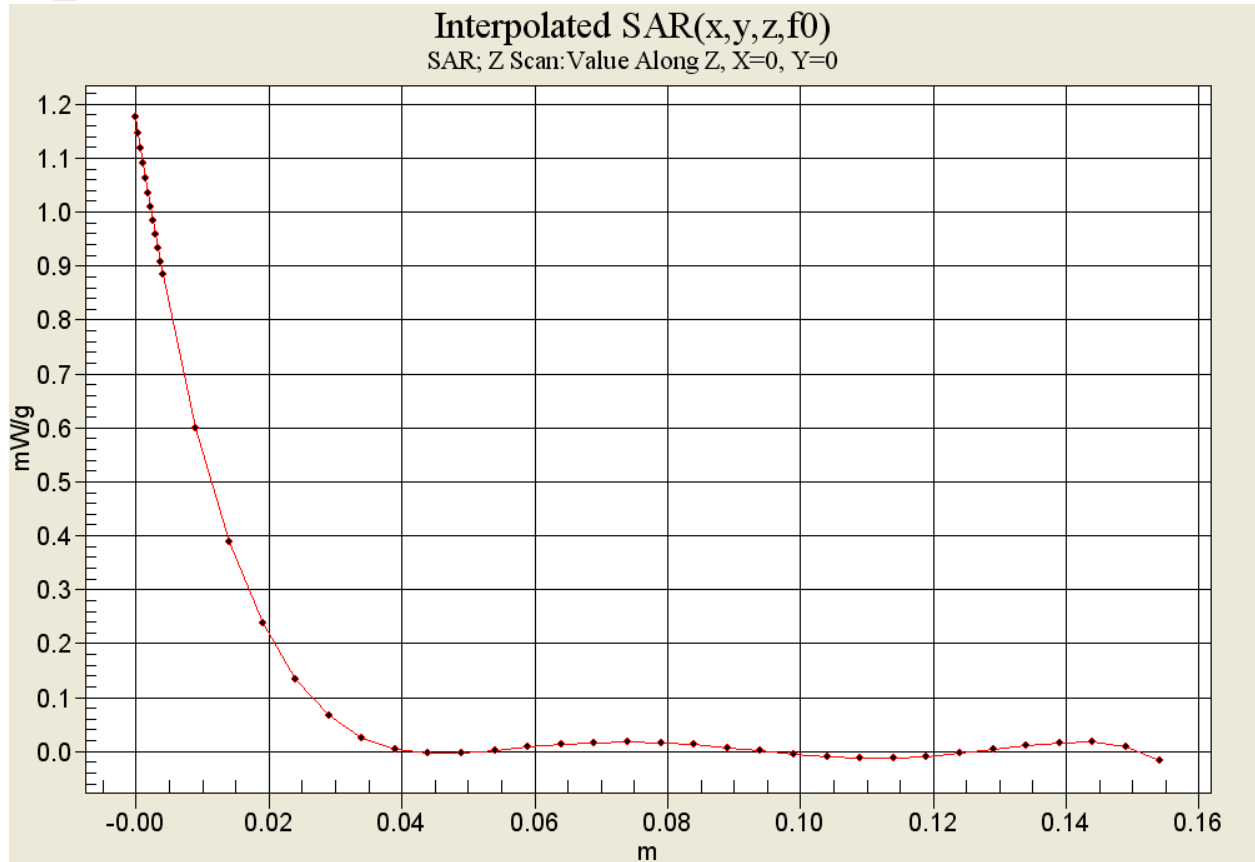
Peak SAR (extrapolated) = 1.30 W/kg

**SAR(1 g) = 0.836 mW/g; SAR(10 g) = 0.515 mW/g**

Maximum value of SAR (measured) = 0.894 mW/g



0 dB = 0.888mW/g



Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-1900 Ch1175, Right Cheek**

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1

Medium: HSL1900, Medium parameters used (interpolated):  $f = 1908.75$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  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 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:** Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

**CDMA-1900\_Ch 1175 RC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.5 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 1.22 W/kg

**SAR(1 g) = 0.757 mW/g; SAR(10 g) = 0.434 mW/g**

Maximum value of SAR (measured) = 0.821 mW/g

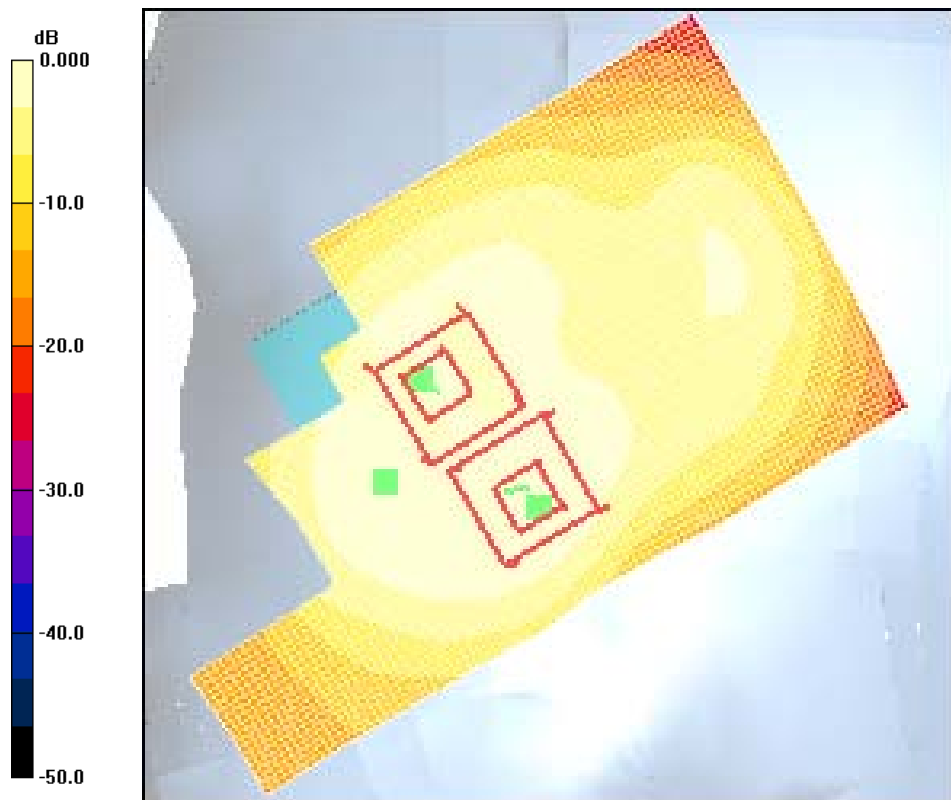
**CDMA-1900\_Ch 1175 RC/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.5 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 1.11 W/kg

**SAR(1 g) = 0.703 mW/g; SAR(10 g) = 0.432 mW/g**

Maximum value of SAR (measured) = 0.757 mW/g



0 dB = 0.764mW/g

Test Laboratory: Kyocera Wireless Corporation

**FCC K53-02\_S2300 CDMA-1900 Ch600, 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;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  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 80

Postprocessing SW: SEMCAD, V1.8 Build 186

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

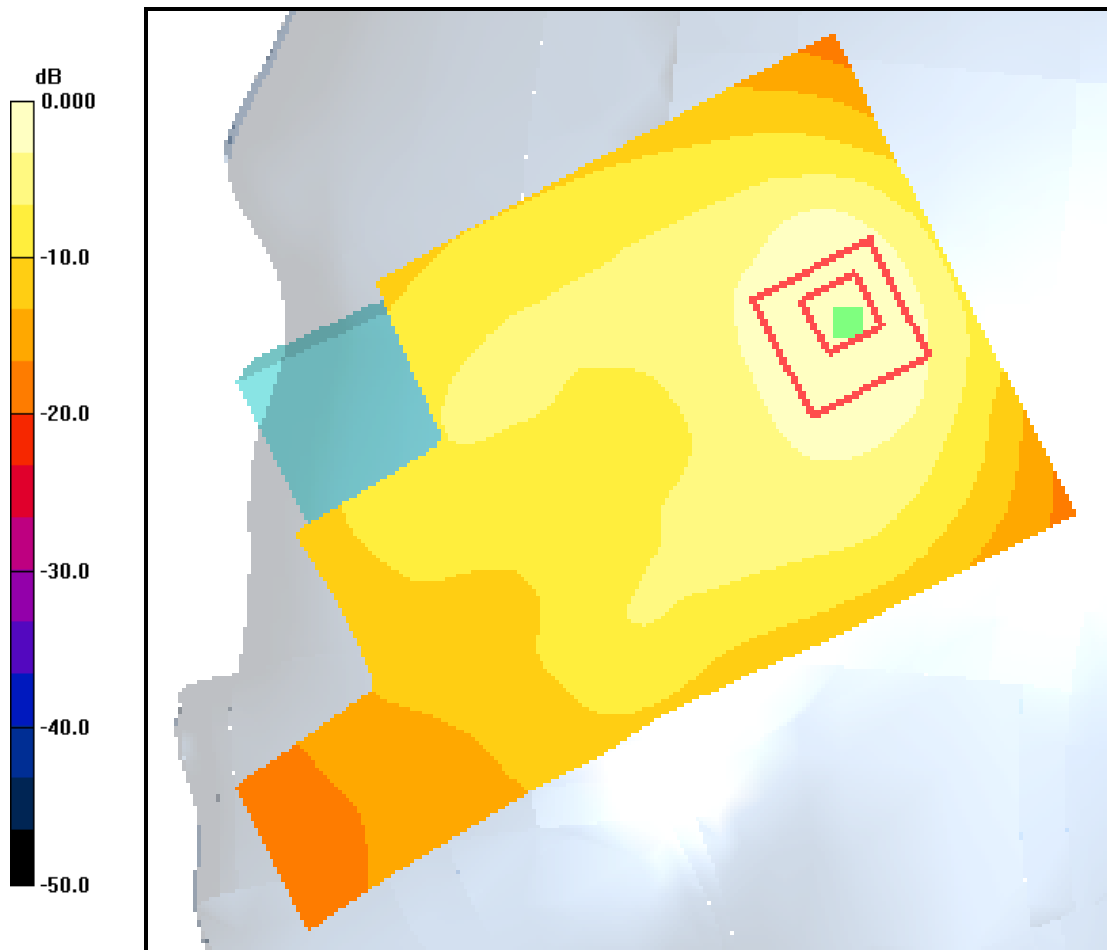
**CDMA-1900\_CH600 RT/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.4 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 0.822 W/kg

**SAR(1 g) = 0.519 mW/g; SAR(10 g) = 0.302 mW/g**

Maximum value of SAR (measured) = 0.578 mW/g



0 dB = 0.578mW/g