

Appendix B1: SAR Distribution Plots (Head)



FCC ID: OVF-K5402
IC #: 3572A-E3100

CELL

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100, CDMA-800 Ch383, Left Cheek

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

Medium: Head 835 MHz, Medium parameters used: $f = 836.5 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 42.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1663, ConvF(6.44, 6.44, 6.44), Calibrated: 9/10/2009

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

Electronics: DAE4 Sn527, Calibrated: 7/9/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature: Room T = $21.8 \pm 1 \text{ deg C}$, Liquid T = $22.0 \pm 1 \text{ deg C}$

CDMA-800 Ch383 LC/Area Scan (101x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.791 mW/g

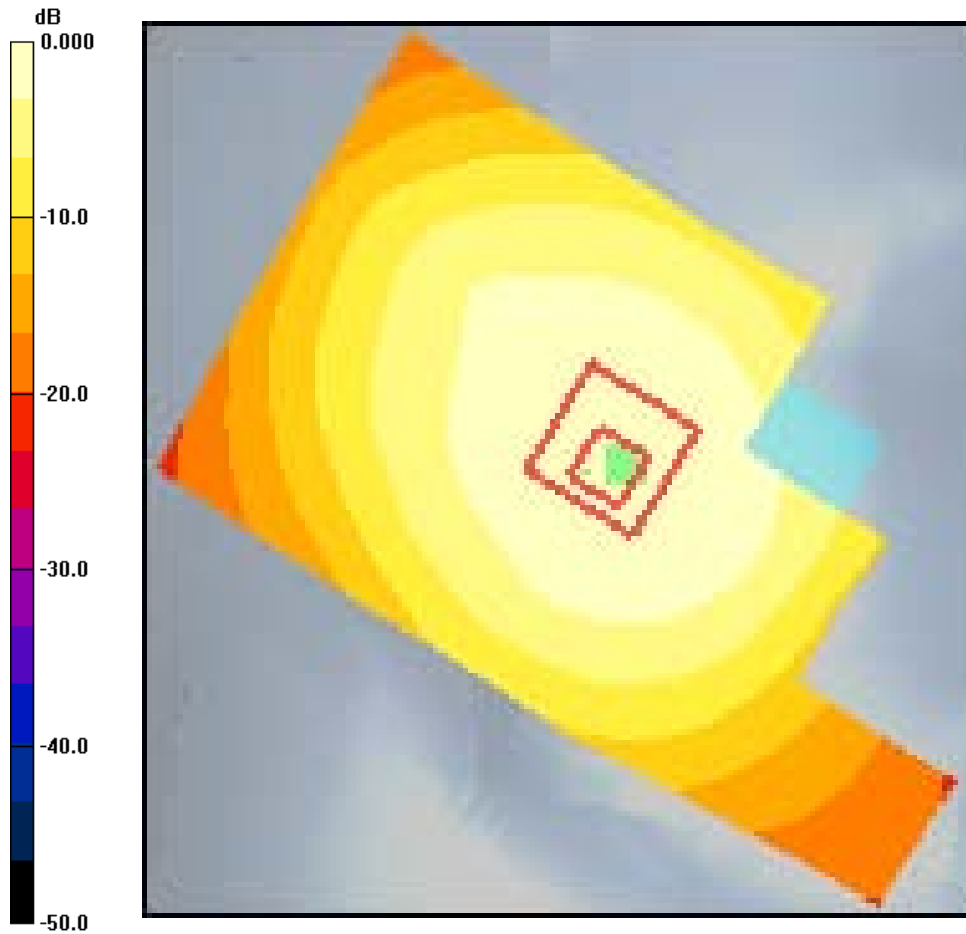
CDMA-800 Ch383 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.4 V/m; Power Drift = -0.102 dB

Peak SAR (extrapolated) = 0.968 W/kg

SAR(1 g) = 0.766 mW/g; SAR(10 g) = 0.566 mW/g

Maximum value of SAR (measured) = 0.805 mW/g



0 dB = 0.791mW/g

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100, CDMA-800 Ch383, Left Tilt

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

Medium: Head 835 MHz, Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 42.4$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 - SN1663, ConvF(6.44, 6.44, 6.44), Calibrated: 9/10/2009

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

Electronics: DAE4 Sn527, Calibrated: 7/9/2009

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/Area Scan (101x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.429 mW/g

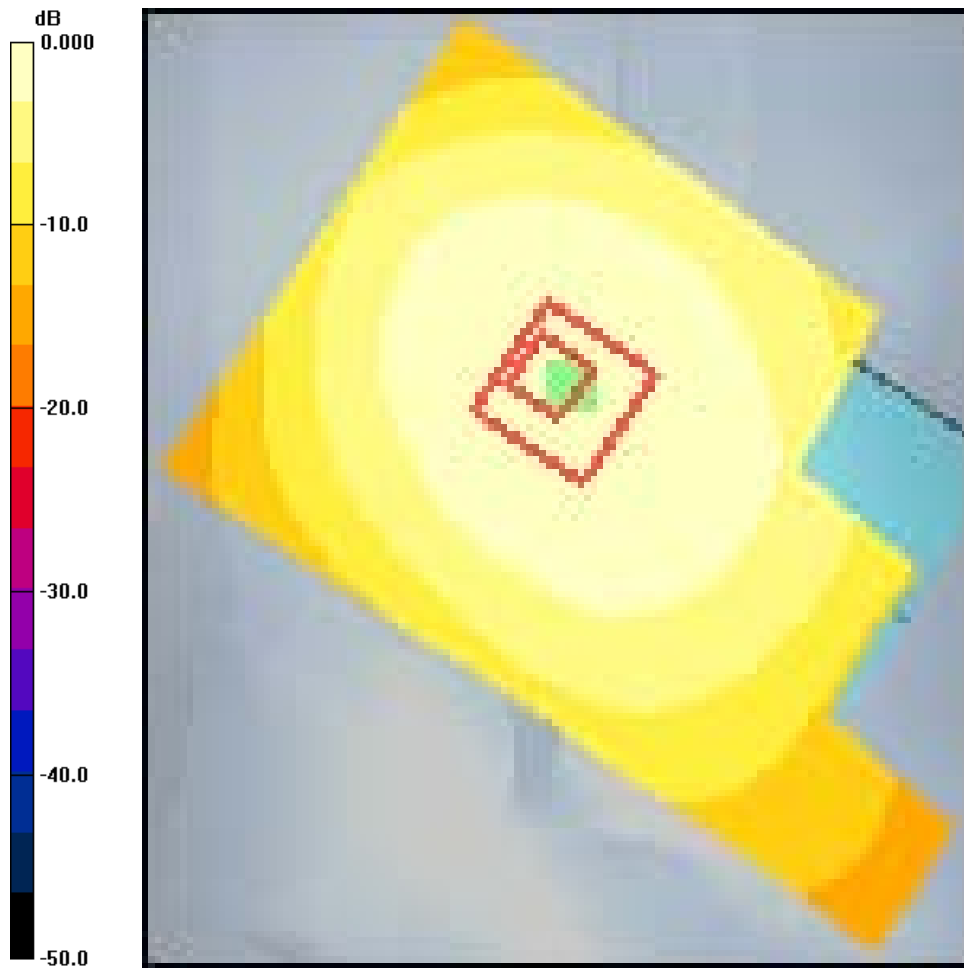
CDMA-800 Ch383 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.6 V/m; Power Drift = 0.008 dB

Peak SAR (extrapolated) = 0.485 W/kg

SAR(1 g) = 0.400 mW/g; SAR(10 g) = 0.307 mW/g

Maximum value of SAR (measured) = 0.424 mW/g



0 dB = 0.429mW/g

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100 CDMA-800 Ch1013, Right Cheek

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

Medium: Head 835 MHz, Medium parameters used: $f = 824.7$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 42.4$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1663, ConvF(6.44, 6.44, 6.44), Calibrated: 9/10/2009

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

Electronics: DAE4 Sn527, Calibrated: 7/9/2009

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/Area Scan (111x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.01 mW/g

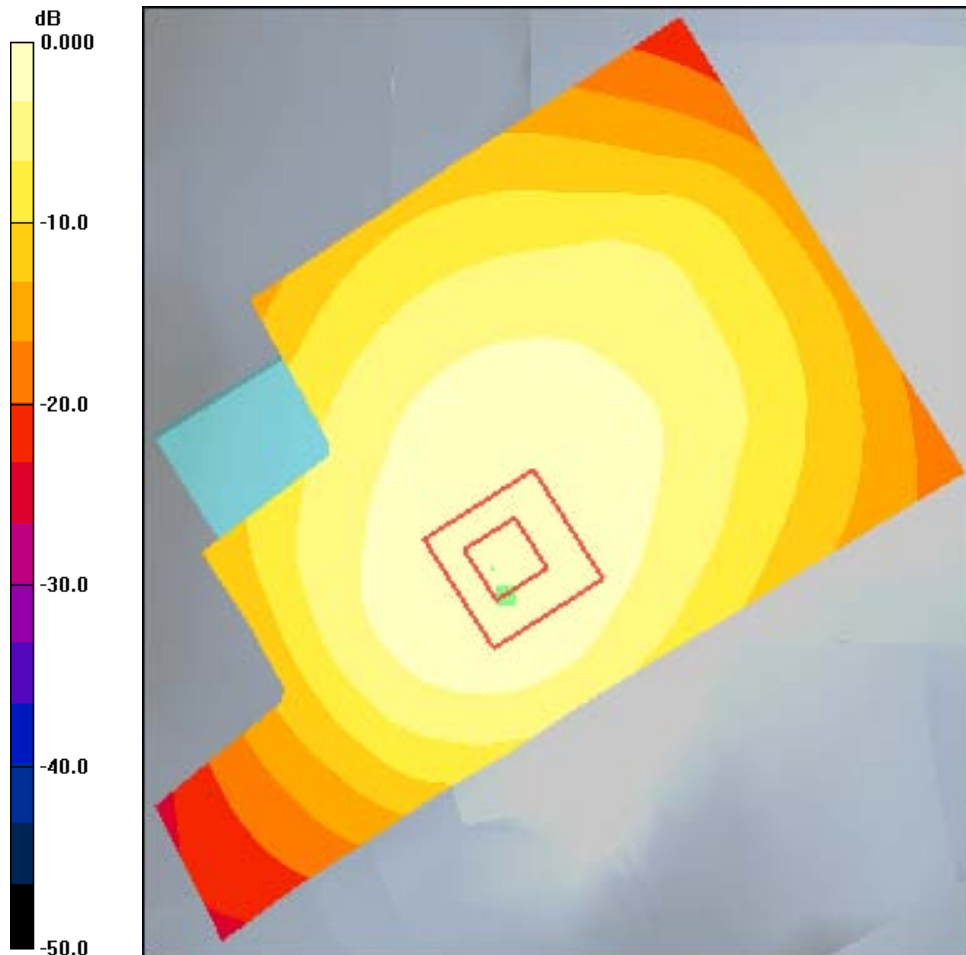
CDMA-800 Ch1013 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.0 V/m; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.923 mW/g; SAR(10 g) = 0.650 mW/g

Maximum value of SAR (measured) = 1.00 mW/g



0 dB = 1.01mW/g

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100 CDMA-800 Ch383, Right Cheek

Communication System: CDMA-800, Frequency: 836.49 MHz, Duty Cycle: 1:1
Medium: Head 835 MHz, Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 42.4$; $\rho = 1000$ kg/m³
Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1663, ConvF(6.44, 6.44, 6.44), Calibrated: 9/10/2009
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn527, Calibrated: 7/9/2009
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/Area Scan (111x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.06 mW/g

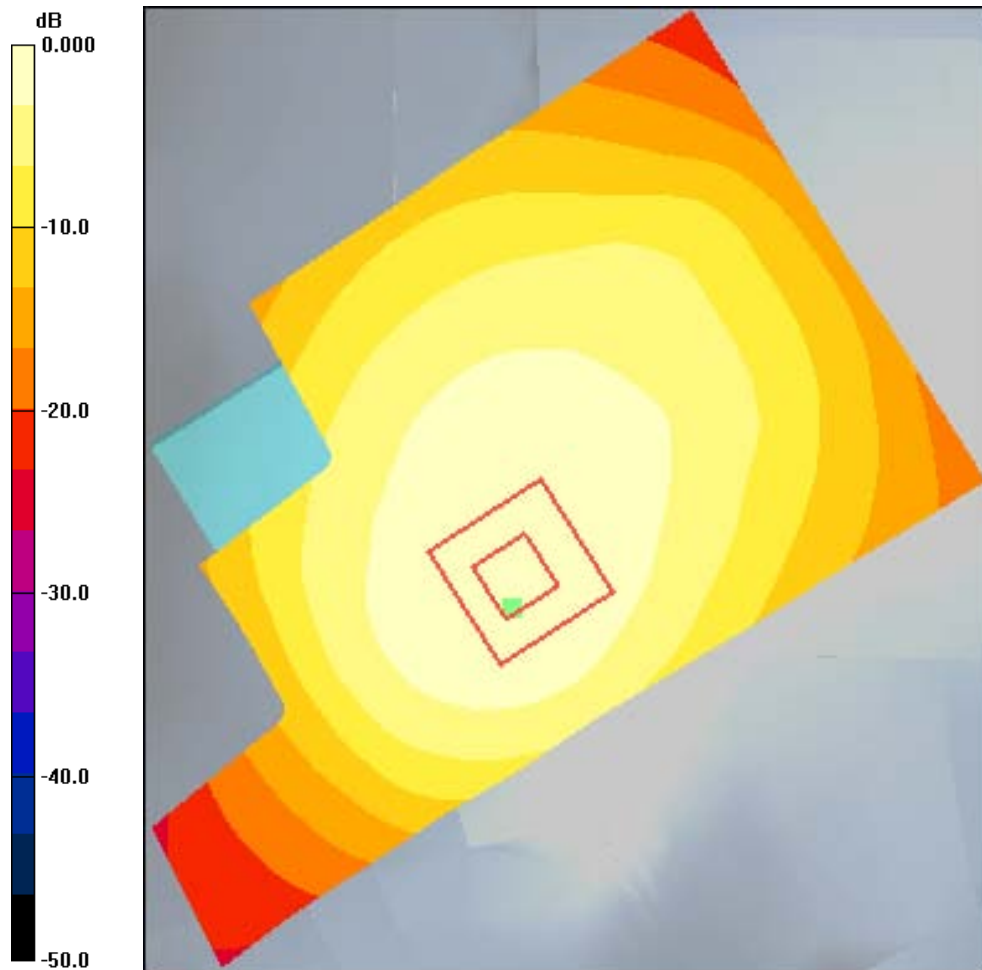
CDMA-800 Ch383 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.1 V/m; Power Drift = -0.088 dB

Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.953 mW/g; SAR(10 g) = 0.665 mW/g

Maximum value of SAR (measured) = 1.03 mW/g



0 dB = 1.06mW/g

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100 CDMA-800 Ch777, Right Cheek

Communication System: CDMA-800, Frequency: 848.31 MHz, Duty Cycle: 1:1

Medium: Head 835 MHz, Medium parameters used (extrapolated): $f = 848.31$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 42.4$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1663, ConvF(6.44, 6.44, 6.44), Calibrated: 9/10/2009

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

Electronics: DAE4 Sn527, Calibrated: 7/9/2009

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/Area Scan (111x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.18 mW/g

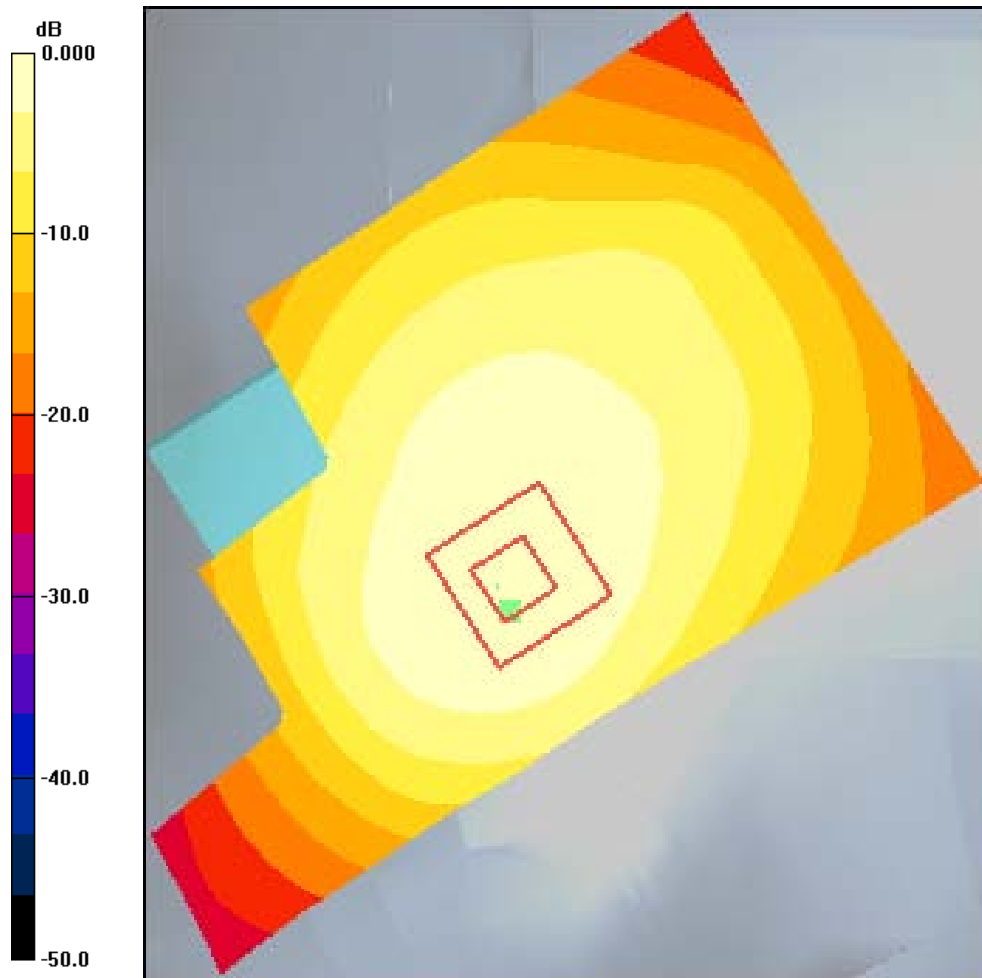
CDMA-800 Ch777 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.6 V/m; Power Drift = -0.069 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.743 mW/g

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



0 dB = 1.18mW/g

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100 CDMA-800 Ch383, Right Tilt

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

Medium: Head 835 MHz, Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 42.4$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1663, ConvF(6.44, 6.44, 6.44), Calibrated: 9/10/2009

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

Electronics: DAE4 Sn527, Calibrated: 7/9/2009

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/Area Scan (111x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.412 mW/g

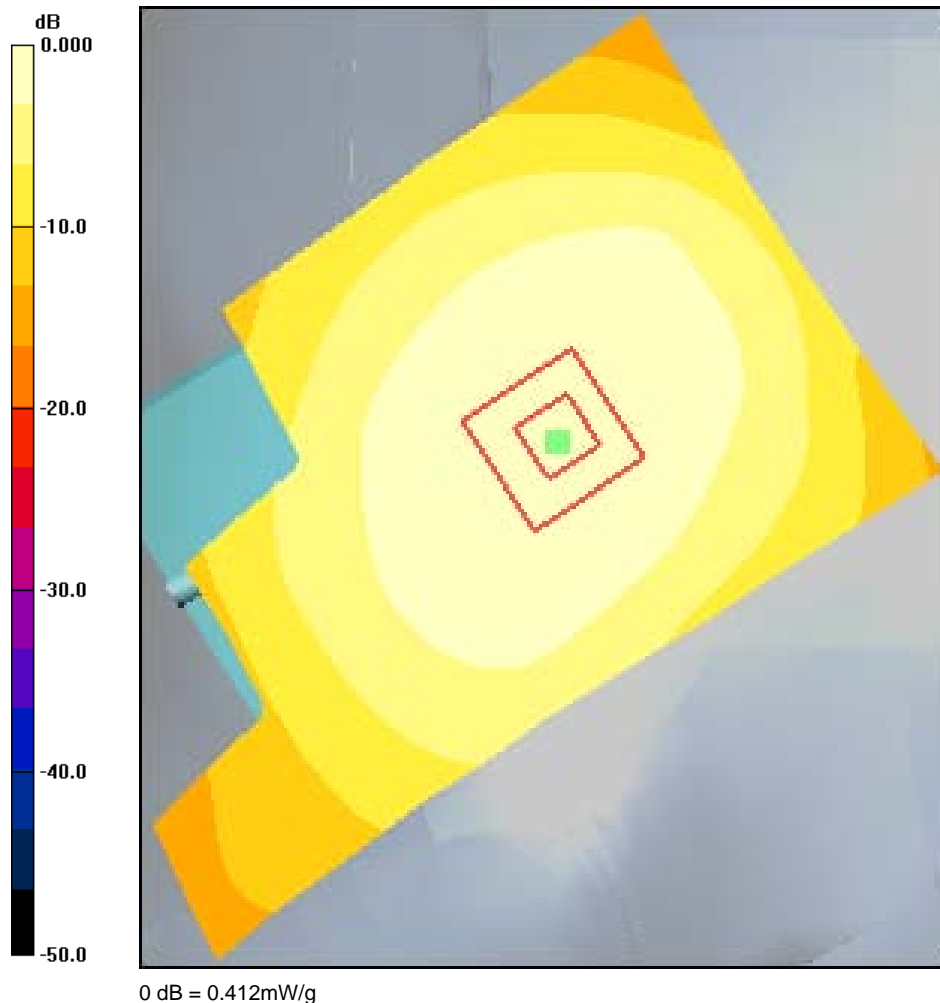
CDMA-800 Ch383 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.4 V/m; Power Drift = -0.074 dB

Peak SAR (extrapolated) = 0.467 W/kg

SAR(1 g) = 0.385 mW/g; SAR(10 g) = 0.292 mW/g

Maximum value of SAR (measured) = 0.405 mW/g



AWS

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100, 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; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³
 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: 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-1700 Ch25 LC/Area Scan (111x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.19 mW/g

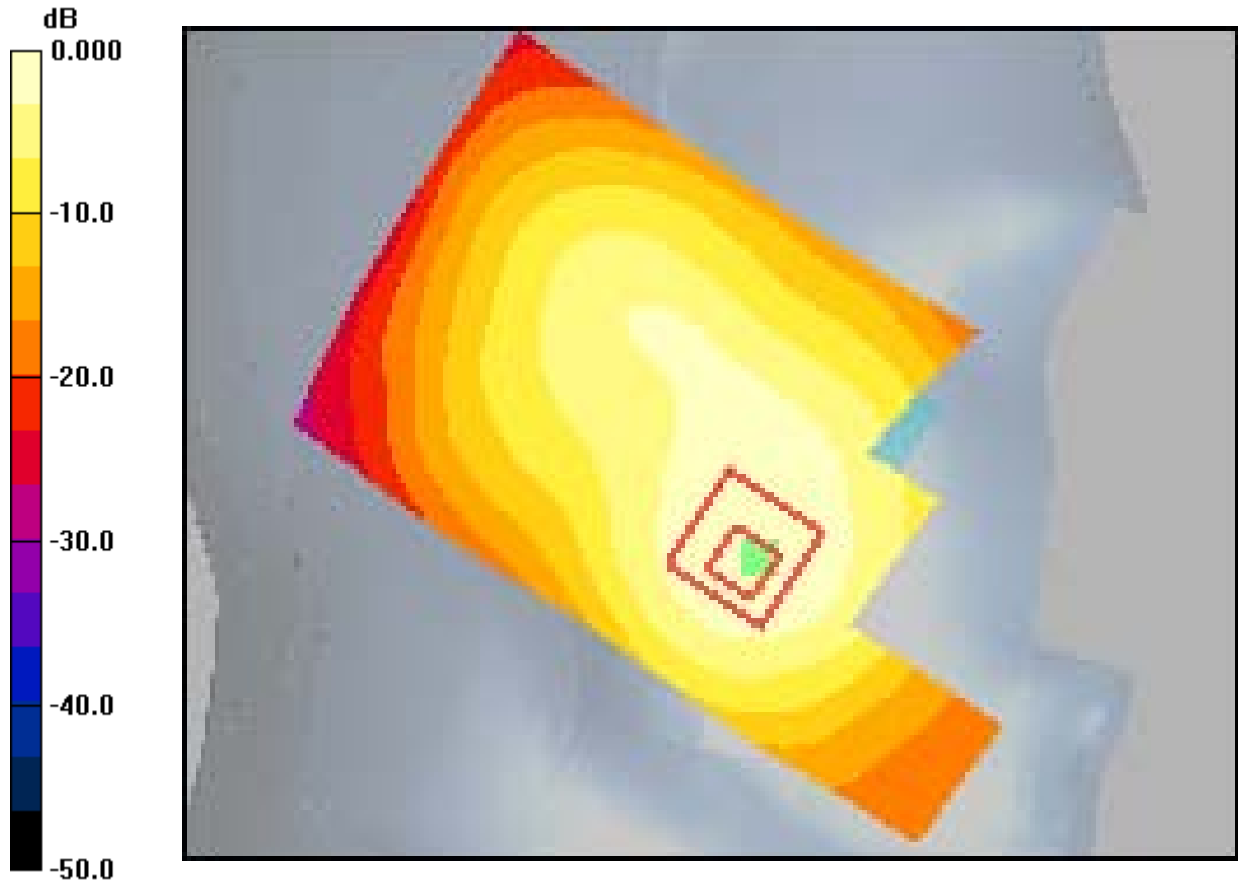
CDMA-1700 Ch25 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.57 V/m; Power Drift = 0.007 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.988 mW/g; SAR(10 g) = 0.611 mW/g

Maximum value of SAR (measured) = 1.08 mW/g



0 dB = 1.19mW/g

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100, 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; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³
 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: 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-1700 Ch450 LC/Area Scan (111x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.39 mW/g

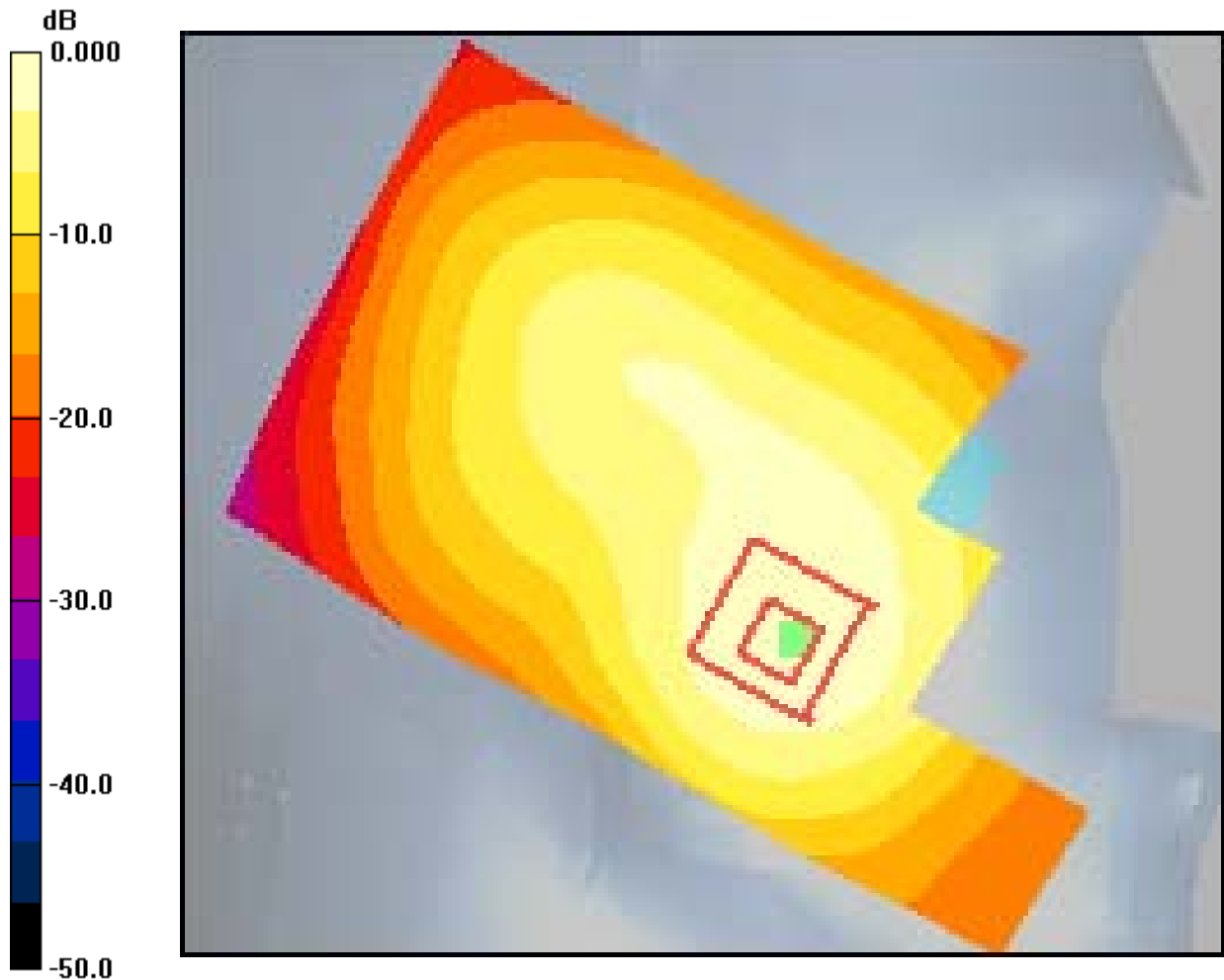
CDMA-1700 Ch450 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.36 V/m; Power Drift = -0.101 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.704 mW/g

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



0 dB = 1.39mW/g

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100, CDMA-1700 Ch875, Left Cheek

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

Medium: HSL 1700, Medium parameters used (extrapolated): $f = 1753.75 \text{ MHz}$; $\sigma = 1.37 \text{ mho/m}$; $\epsilon_r = 38.9$; $\rho = 1000 \text{ kg/m}^3$

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: DAE3 Sn493, Calibrated: 8/12/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature: Room T = $21.8 \pm 1 \text{ deg C}$, Liquid T = $22.0 \pm 1 \text{ deg C}$

CDMA-1700 Ch875 LC/Area Scan (111x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.47 mW/g

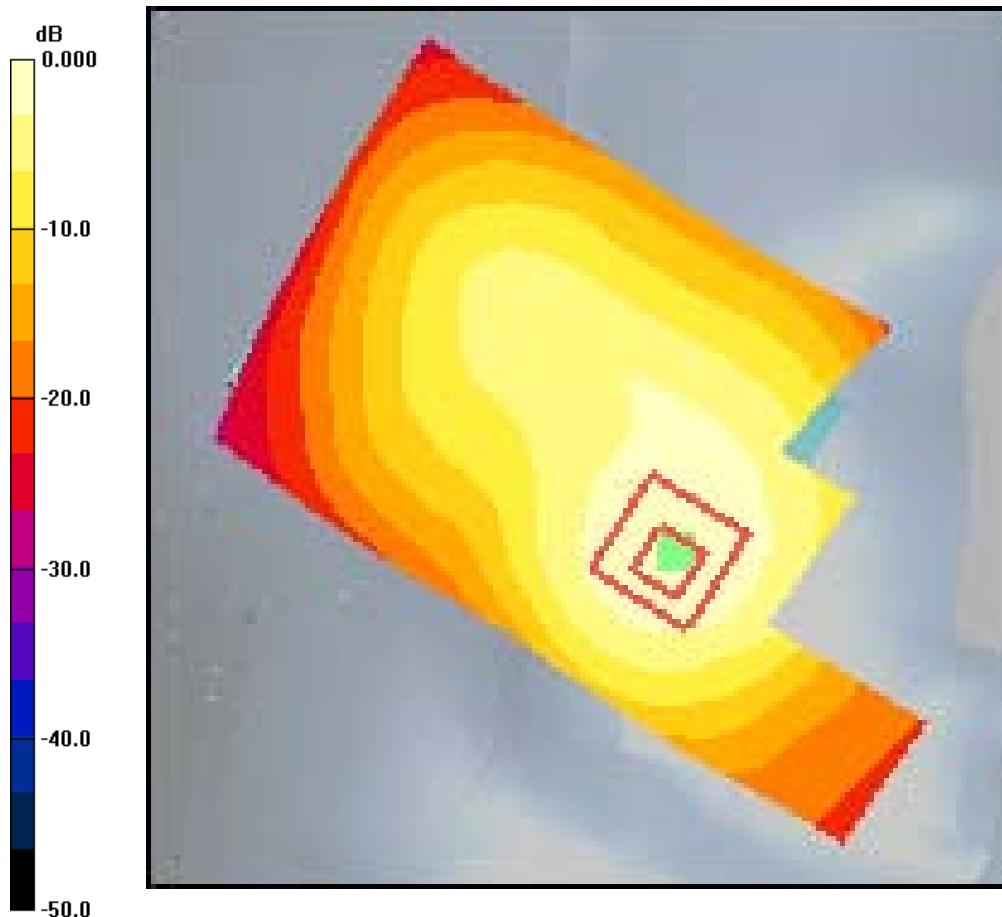
CDMA-1700 Ch875 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.78 V/m; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.734 mW/g

Maximum value of SAR (measured) = 1.31 mW/g



0 dB = 1.47mW/g

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100, 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; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

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: 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-1700 Ch450 LT/Area Scan (111x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.734 mW/g

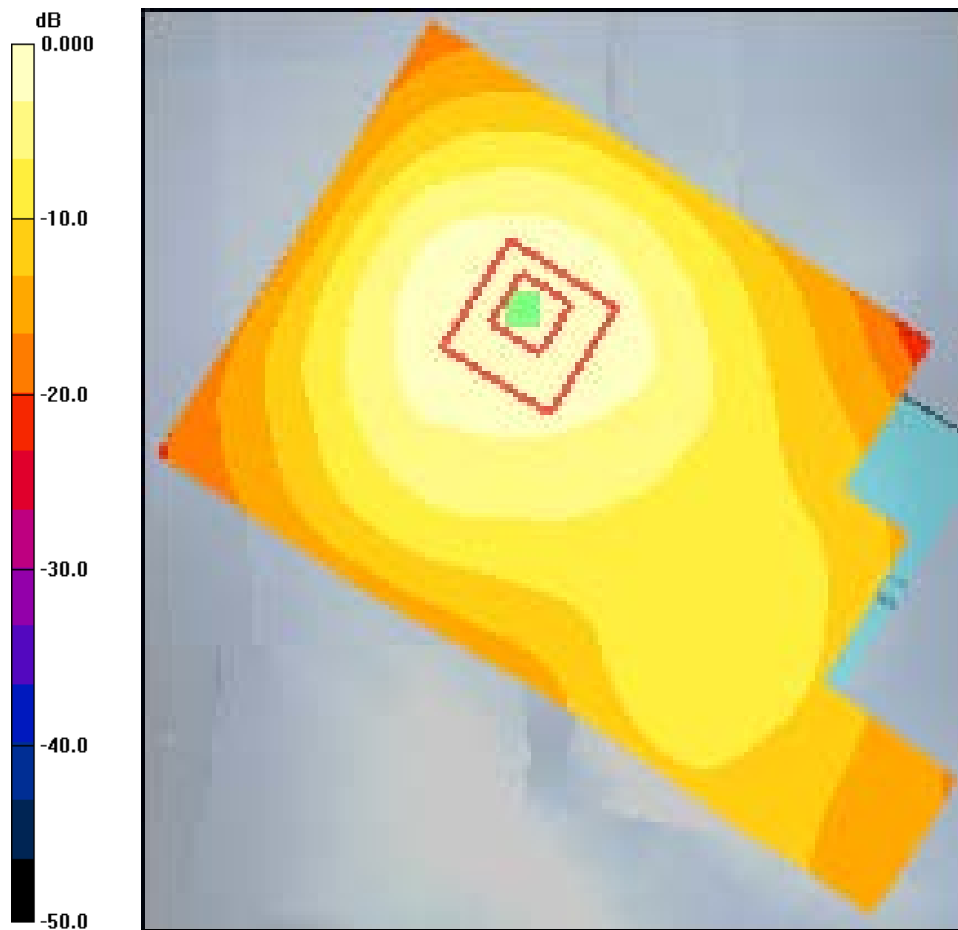
CDMA-1700 Ch450 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.7 V/m; Power Drift = -0.050 dB

Peak SAR (extrapolated) = 0.882 W/kg

SAR(1 g) = 0.650 mW/g; SAR(10 g) = 0.418 mW/g

Maximum value of SAR (measured) = 0.708 mW/g



0 dB = 0.734mW/g

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100, CDMA-1700 Ch25, Right Cheek

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

Medium: HSL 1700, Medium parameters used (interpolated): $f = 1711.25 \text{ MHz}$; $\sigma = 1.37 \text{ mho/m}$; $\epsilon_r = 38.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

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

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 = $21.8 \pm 1 \text{ deg C}$, Liquid T = $22.0 \pm 1 \text{ deg C}$

CDMA-1700 Ch25 RC/Area Scan (111x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.928 mW/g

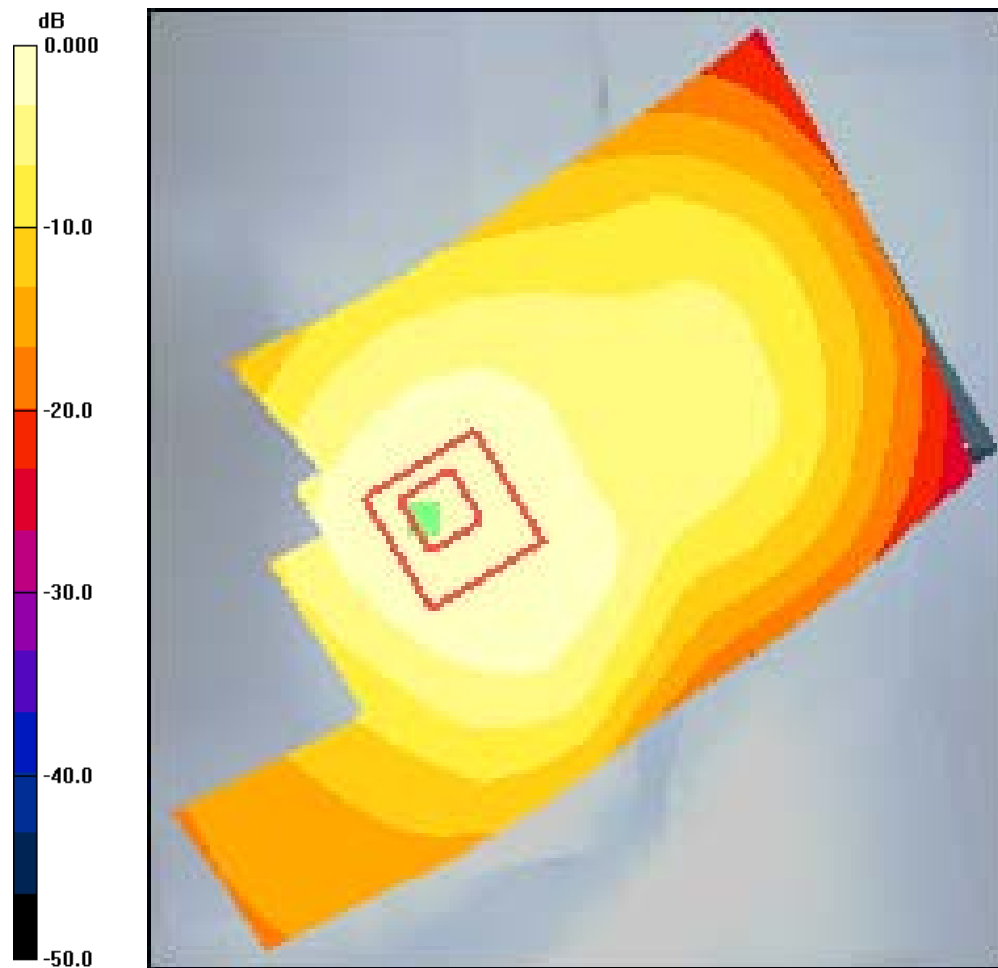
CDMA-1700 Ch25 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.7 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.816 mW/g; SAR(10 g) = 0.543 mW/g

Maximum value of SAR (measured) = 0.898 mW/g



0 dB = 0.928mW/g

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100, 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; $\epsilon_r = 38.8$; $\rho = 1000$ kg/m³

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: 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-1700 Ch450 RC/Area Scan (111x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.08 mW/g

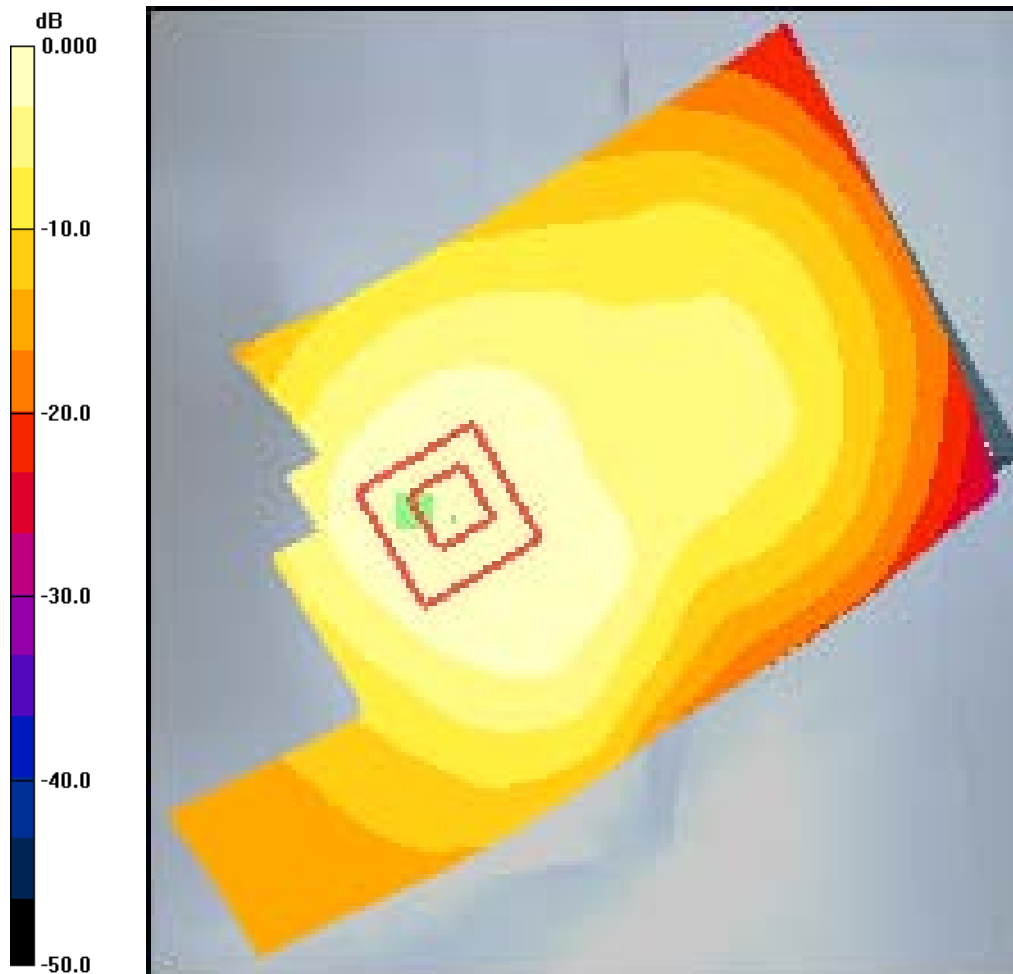
CDMA-1700 Ch450 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.5 V/m; Power Drift = -0.143 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.930 mW/g; SAR(10 g) = 0.612 mW/g

Maximum value of SAR (measured) = 1.01 mW/g



0 dB = 1.08mW/g

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100, CDMA-1700 Ch875, Right Cheek

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

Medium: HSL 1700, Medium parameters used: $f = 1754$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

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: 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-1700 Ch875 RC/Area Scan (111x61x1): Measurement grid: dx=15mm, dy=15mm

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

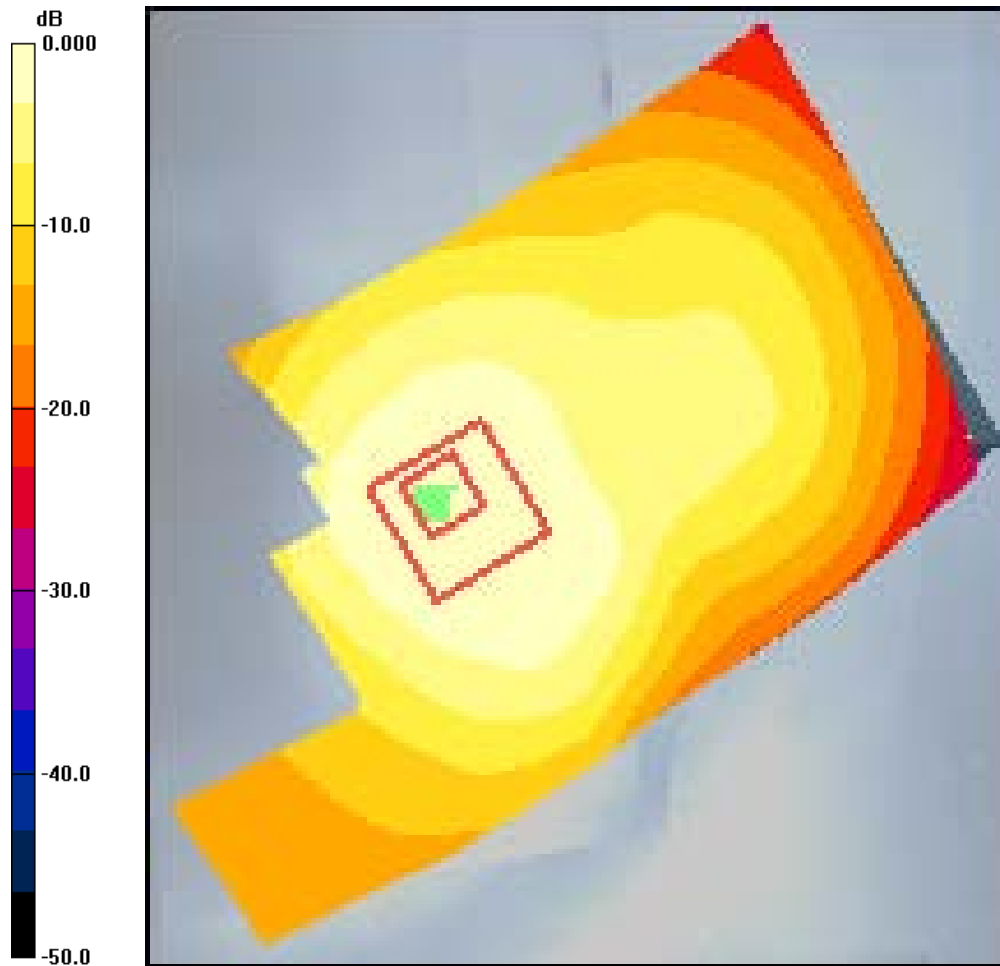
CDMA-1700 Ch875 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.1 V/m; Power Drift = -0.087 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.905 mW/g; SAR(10 g) = 0.599 mW/g

Maximum value of SAR (measured) = 0.982 mW/g



0 dB = 1.05mW/g

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100, CDMA-1700 Ch450, Right Tilt

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

Medium: HSL 1700, Medium parameters used (interpolated): $f = 1732.5 \text{ MHz}$; $\sigma = 1.37 \text{ mho/m}$; $\epsilon_r = 38.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

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

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 = $21.8 \pm 1 \text{ deg C}$, Liquid T = $22.0 \pm 1 \text{ deg C}$

CDMA-1700 Ch450 RT/Area Scan (111x61x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.574 mW/g

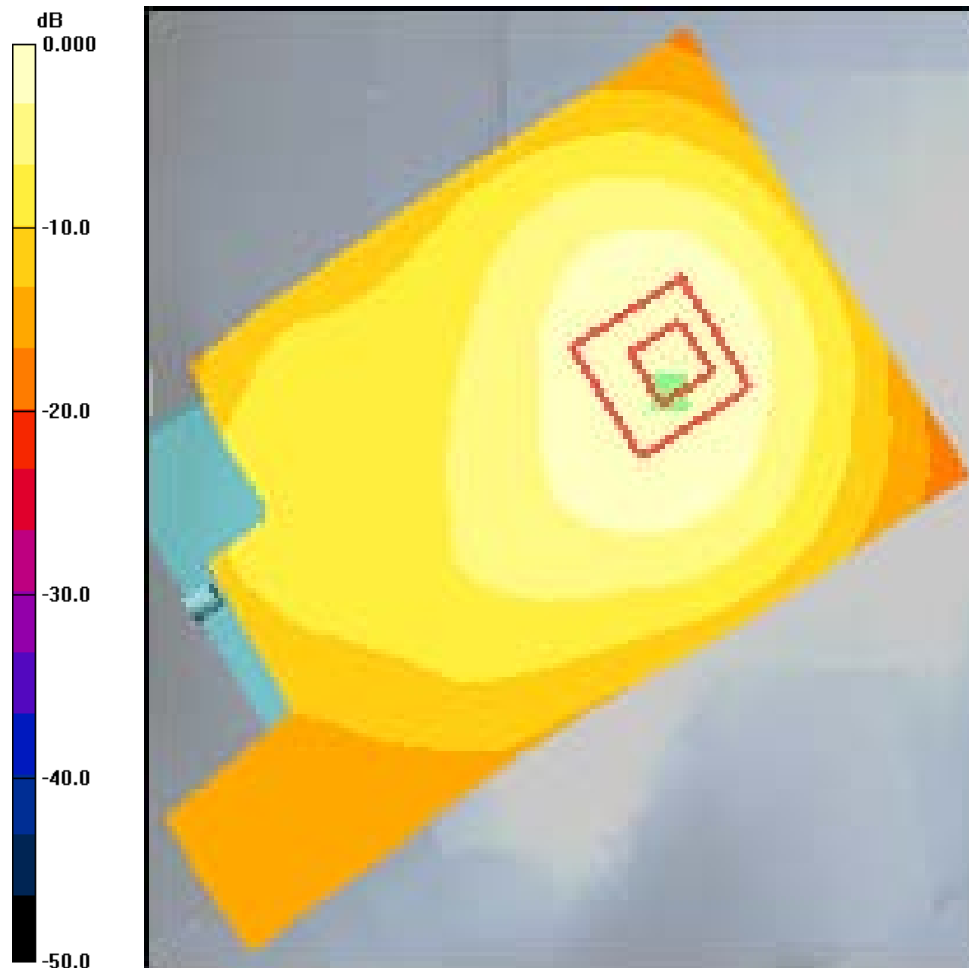
CDMA-1700 Ch450 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.3 V/m; Power Drift = 0.037 dB

Peak SAR (extrapolated) = 0.624 W/kg

SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.331 mW/g

Maximum value of SAR (measured) = 0.529 mW/g



0 dB = 0.574mW/g



FCC ID: OVF-K5402
IC #: 3572A-E3100

PCS

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100, CDMA-1900 Ch25, Left Cheek

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1
Medium: HSL1900, Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³
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: DAE4 Sn603, Calibrated: 9/15/2009
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-1900_Ch25 LC/Area Scan (121x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.66 mW/g

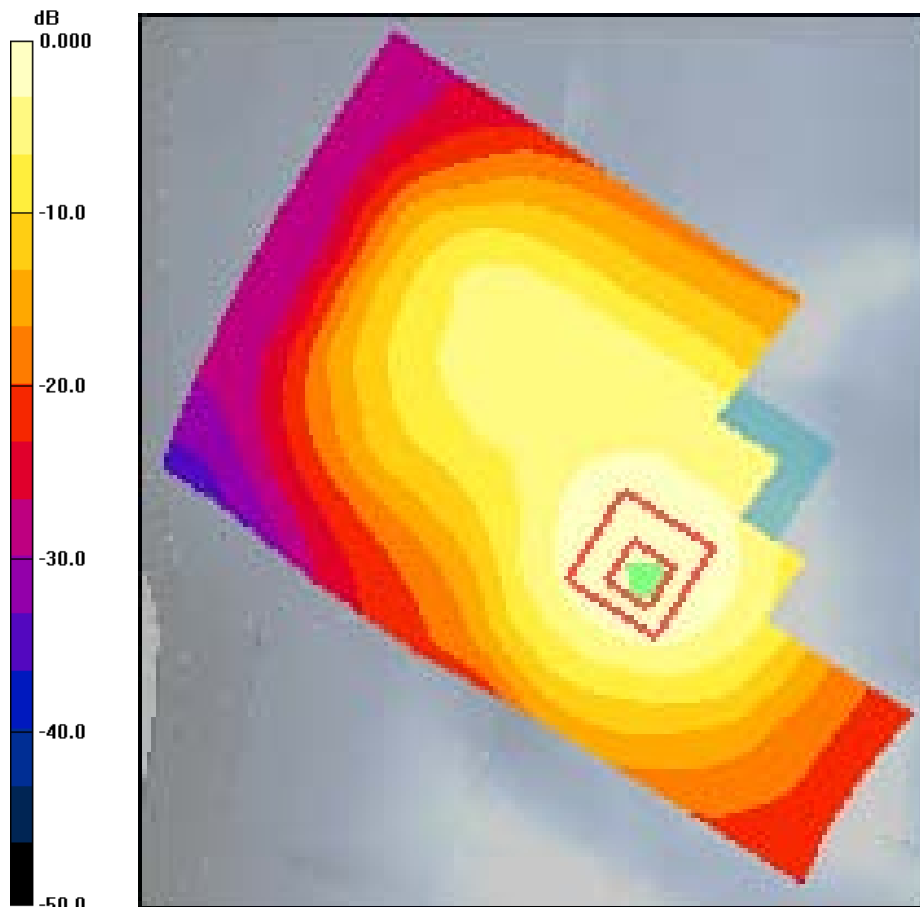
CDMA-1900_Ch25 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.5 V/m; Power Drift = 0.050 dB

Peak SAR (extrapolated) = 2.18 W/kg

SAR(1 g) = 1.44 mW/g; SAR(10 g) = 0.881 mW/g

Maximum value of SAR (measured) = 1.56 mW/g



0 dB = 1.66mW/g

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100, CDMA-1900 Ch600, Left Cheek

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: HSL1900, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³
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: DAE4 Sn603, Calibrated: 9/15/2009
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/Area Scan (121x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.69 mW/g

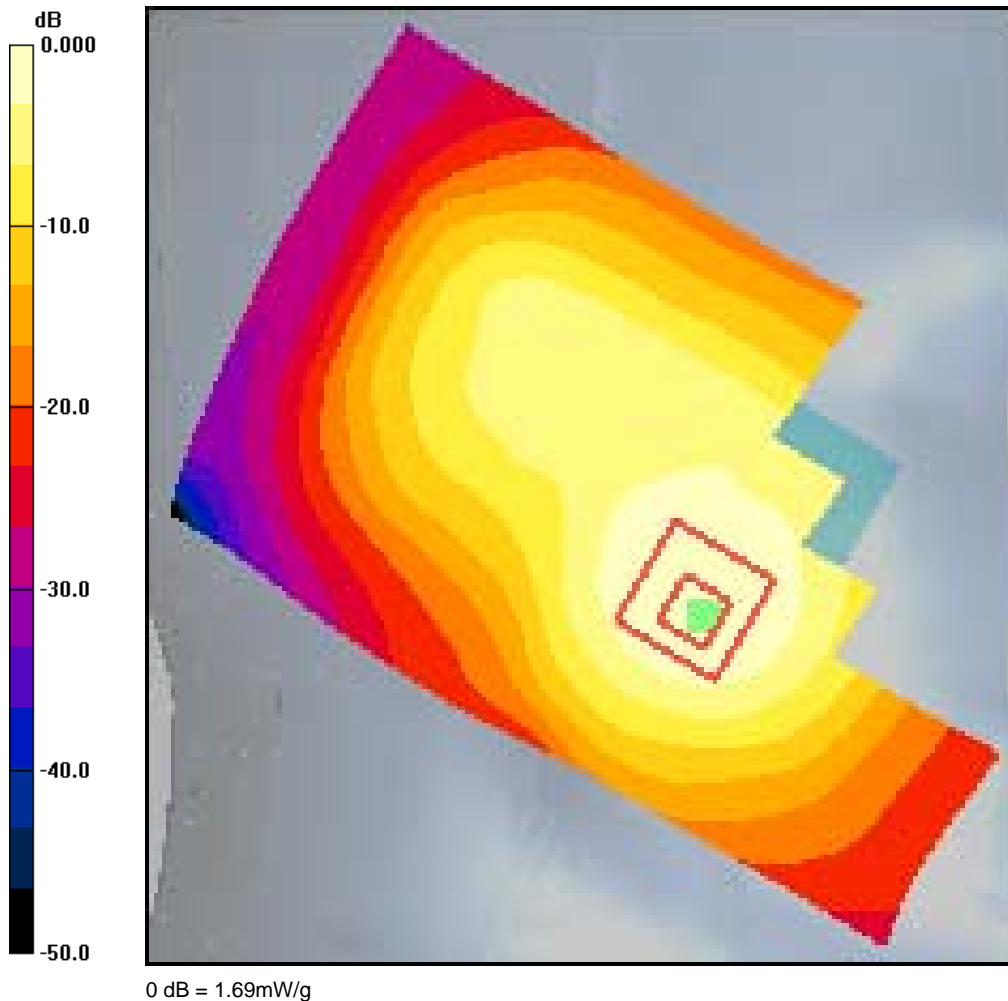
CDMA-1900_CH600 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.7 V/m; Power Drift = 0.050 dB

Peak SAR (extrapolated) = 2.21 W/kg

SAR(1 g) = 1.47 mW/g; SAR(10 g) = 0.889 mW/g

Maximum value of SAR (measured) = 1.59 mW/g



Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100, CDMA-1900 Ch1175, Left Cheek

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1
Medium: HSL1900, Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³
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: DAE4 Sn603, Calibrated: 9/15/2009
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/Area Scan (121x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.68 mW/g

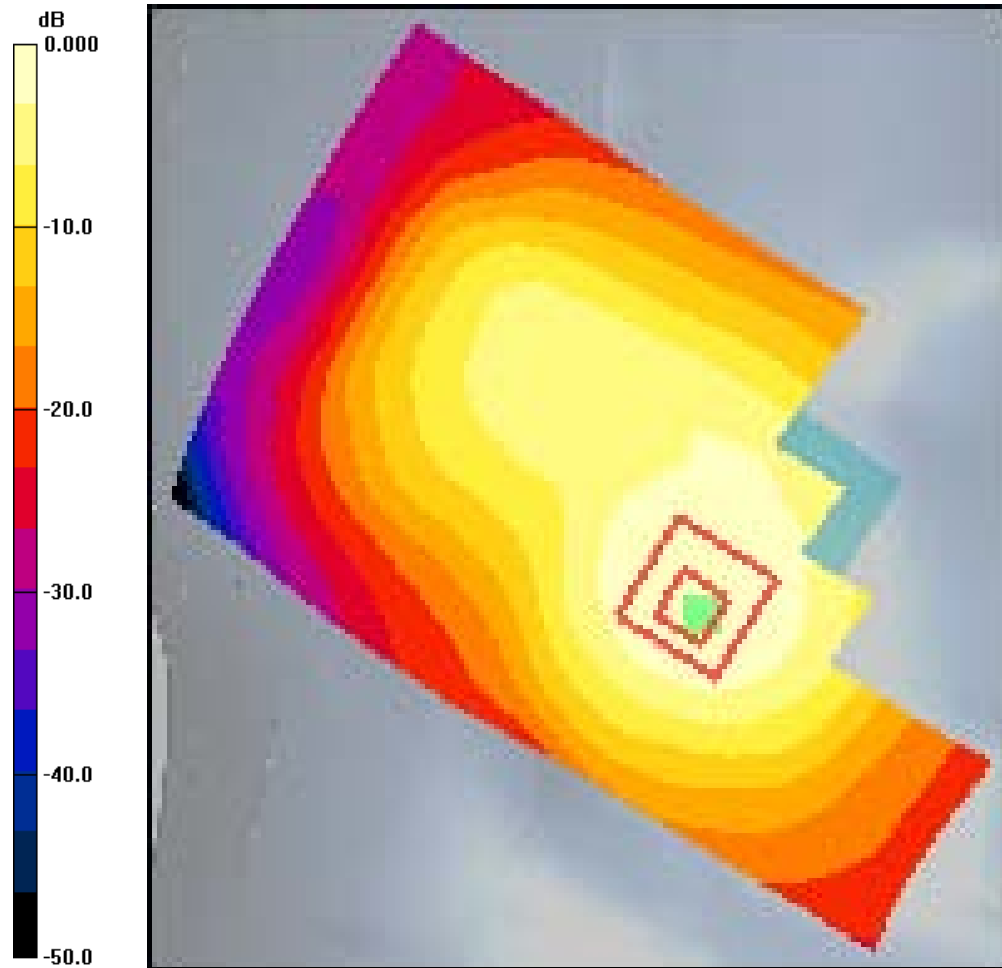
CDMA-1900_Ch 1175 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.6 V/m; Power Drift = 0.099 dB

Peak SAR (extrapolated) = 2.26 W/kg

SAR(1 g) = 1.49 mW/g; SAR(10 g) = 0.912 mW/g

Maximum value of SAR (measured) = 1.63 mW/g



0 dB = 1.68mW/g

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100, CDMA-1900 Ch25, Left Tilt

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

Medium: HSL1900, Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

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: DAE4 Sn603, Calibrated: 9/15/2009

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 LT/Area Scan (121x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.902 mW/g

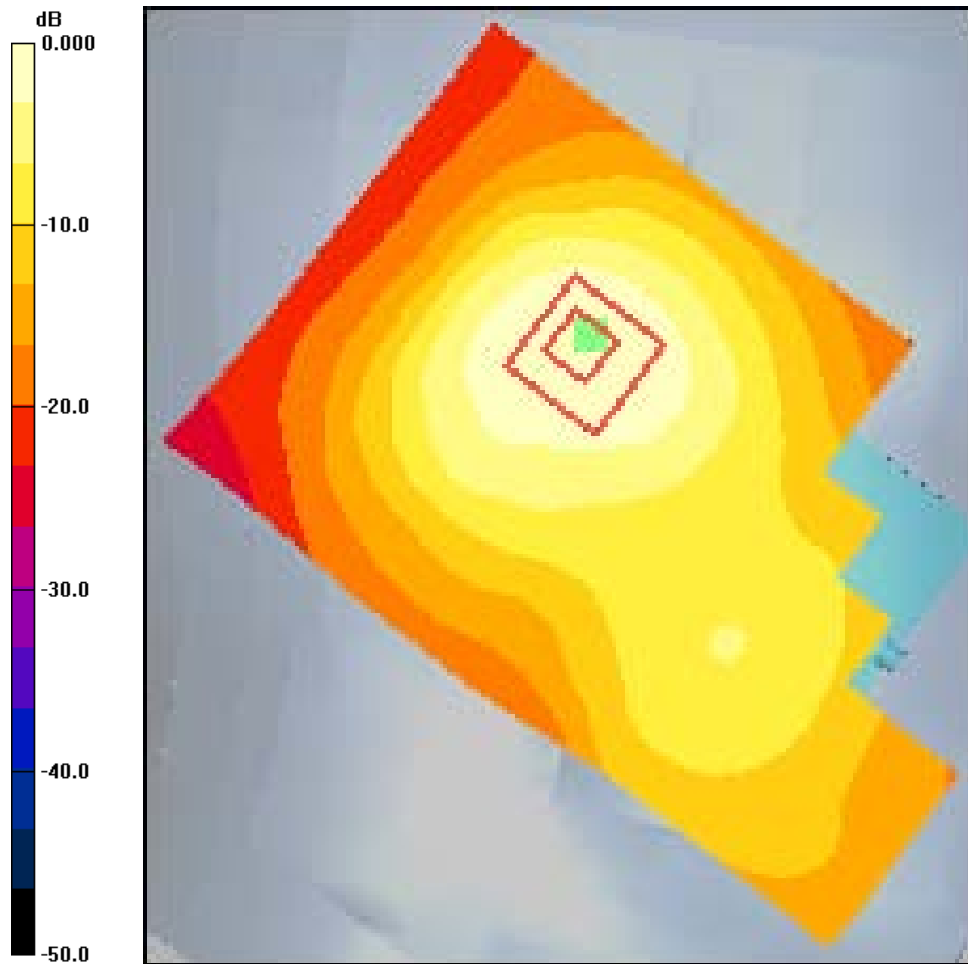
CDMA-1900_Ch25 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.2 V/m; Power Drift = 0.164 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.800 mW/g; SAR(10 g) = 0.502 mW/g

Maximum value of SAR (measured) = 0.881 mW/g



0 dB = 0.902mW/g

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100, CDMA-1900 Ch600, Left Tilt

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

Medium: HSL1900, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

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: DAE4 Sn603, Calibrated: 9/15/2009

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/Area Scan (121x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.927 mW/g

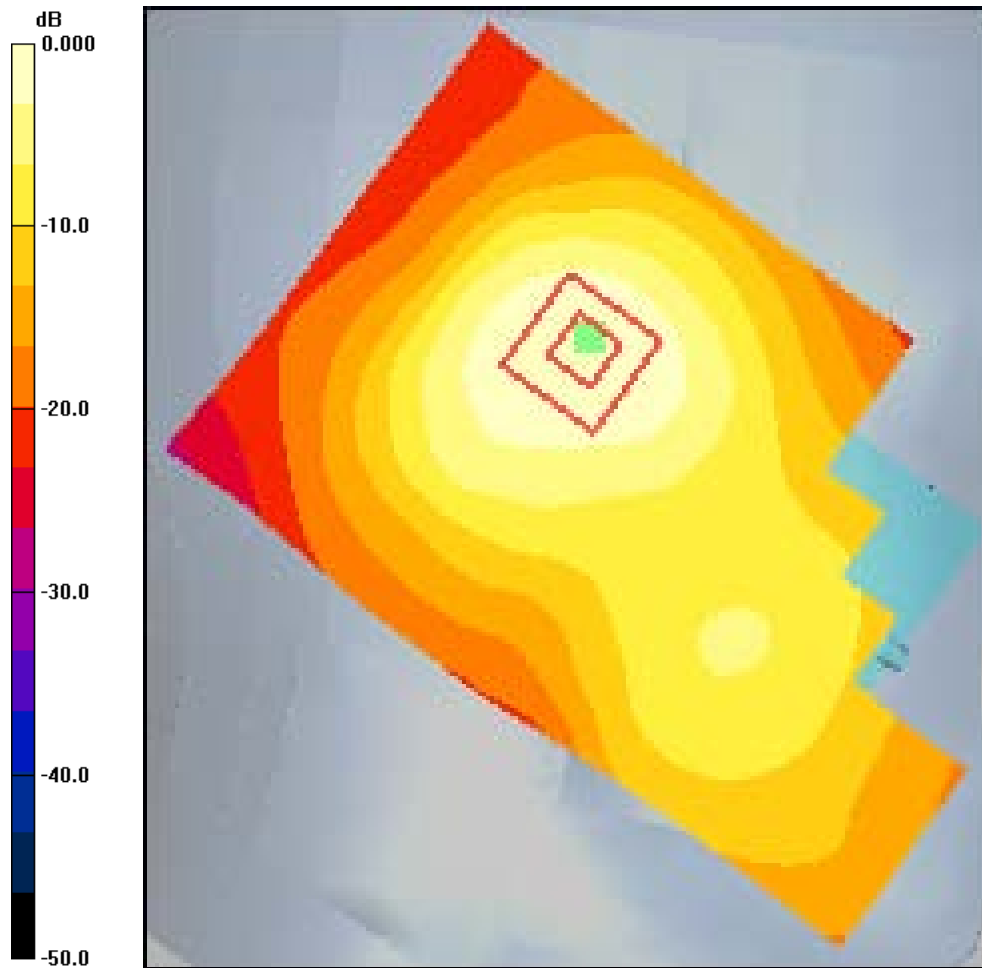
CDMA-1900_CH600 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.0 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.812 mW/g; SAR(10 g) = 0.509 mW/g

Maximum value of SAR (measured) = 0.877 mW/g



0 dB = 0.927mW/g

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100, CDMA-1900 Ch1175, Left Tilt

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

Medium: HSL1900, Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

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: DAE4 Sn603, Calibrated: 9/15/2009

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 LT/Area Scan (121x71x1): Measurement grid: dx=15mm, dy=15mm

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

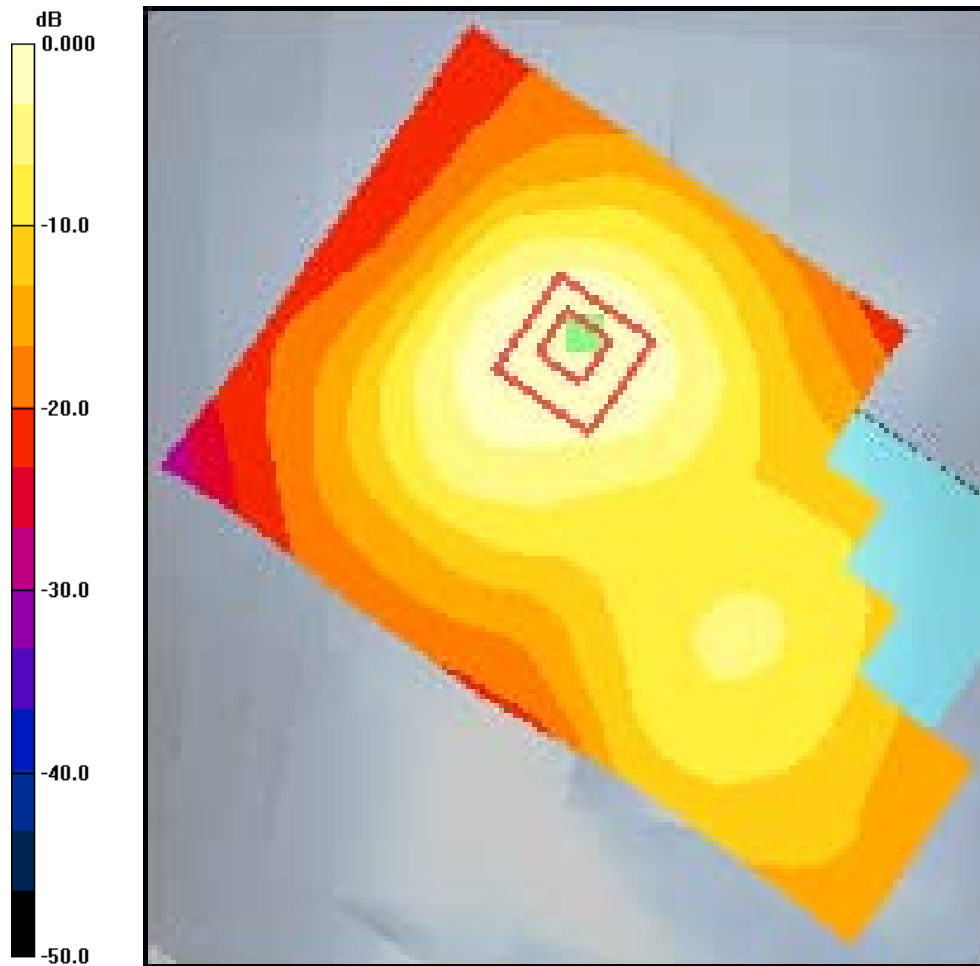
CDMA-1900_Ch 1175 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.6 V/m; Power Drift = 0.051 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.850 mW/g; SAR(10 g) = 0.531 mW/g

Maximum value of SAR (measured) = 0.921 mW/g



0 dB = 0.991mW/g

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100 CDMA-1900 Ch25, Right Cheek

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

Medium: HSL1900, Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

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: DAE4 Sn603, Calibrated: 9/15/2009

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/Area Scan (121x71x1): Measurement grid: dx=15mm, dy=15mm

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

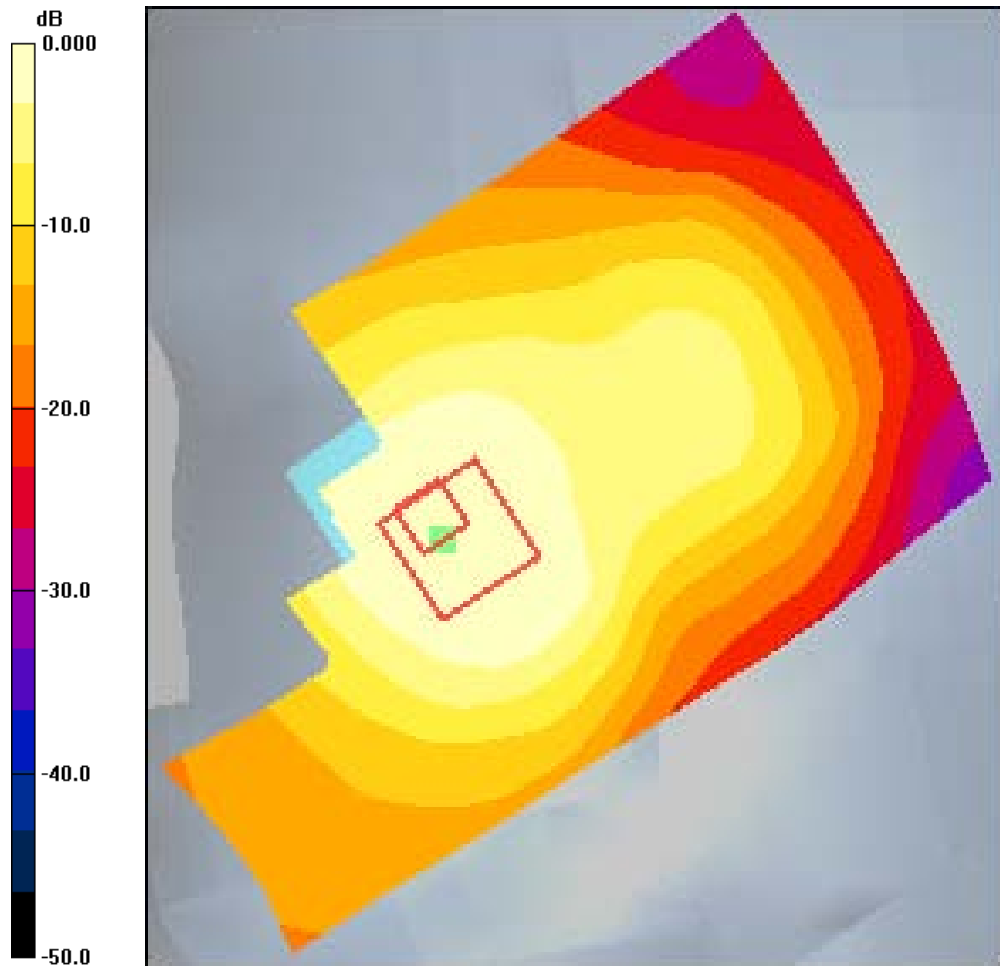
CDMA-1900_Ch25 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.6 V/m; Power Drift = -0.078 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.714 mW/g

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



0 dB = 1.17mW/g

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100 CDMA-1900 Ch600, Right Cheek

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

Medium: HSL1900, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

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: DAE4 Sn603, Calibrated: 9/15/2009

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/Area Scan (121x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.31 mW/g

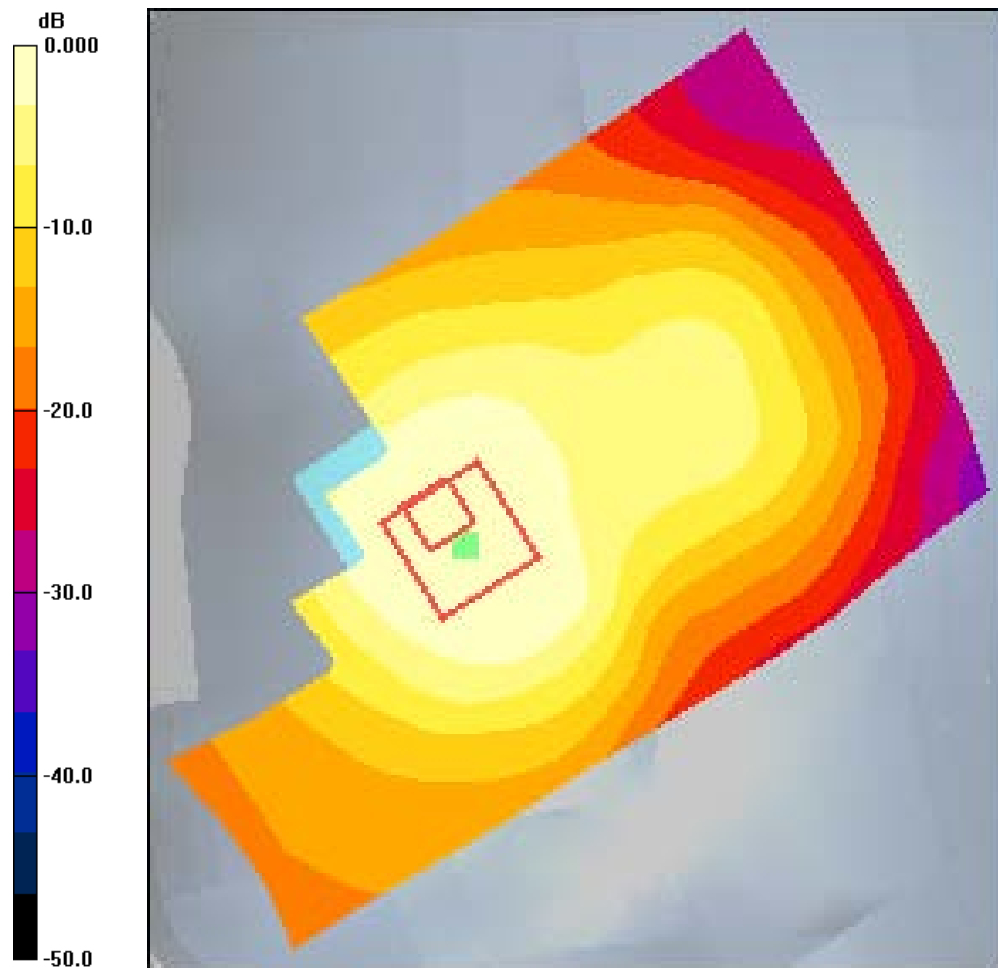
CDMA-1900_CH600 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.3 V/m; Power Drift = -0.092 dB

Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.790 mW/g

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



0 dB = 1.31mW/g

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100 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; $\sigma = 1.37$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

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: DAE4 Sn603, Calibrated: 9/15/2009

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/Area Scan (121x71x1): Measurement grid: dx=15mm, dy=15mm

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

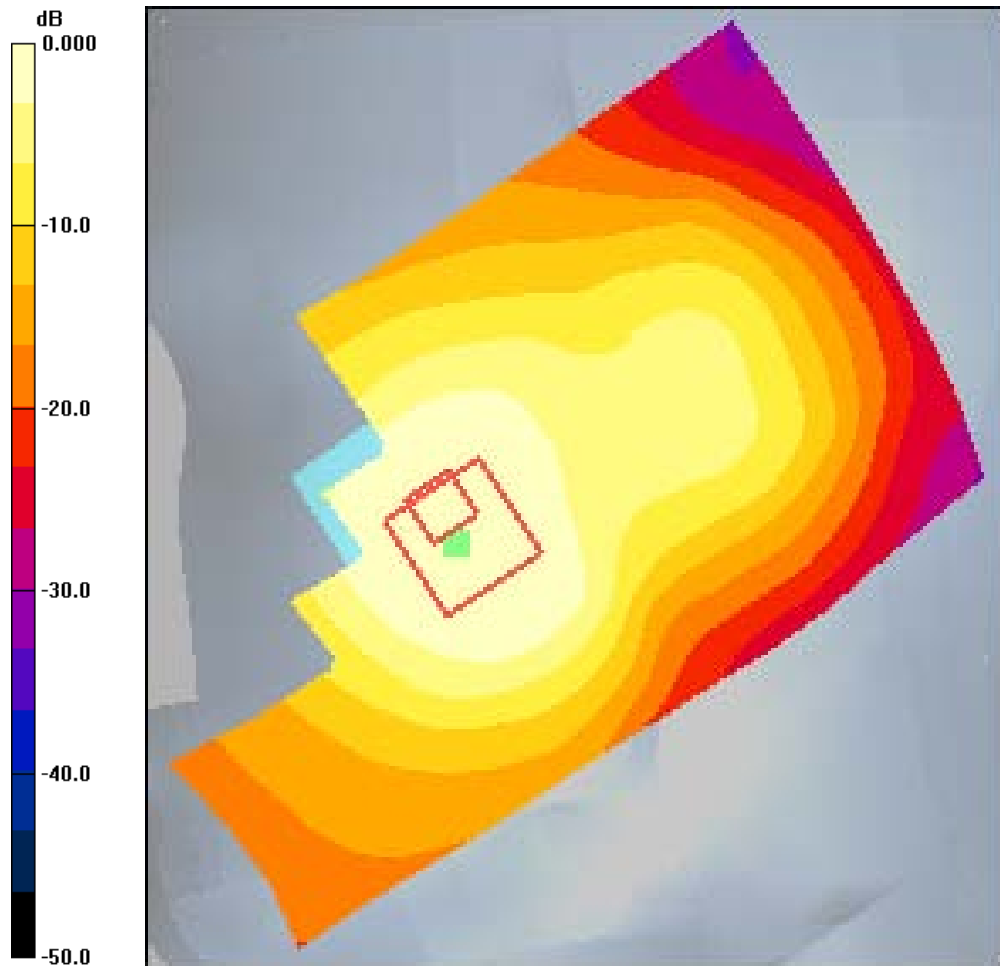
CDMA-1900_Ch 1175 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.6 V/m; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.793 mW/g

Maximum value of SAR (measured) = 1.25 mW/g



0 dB = 1.34mW/g

Test Laboratory: Kyocera Communications, Inc.

FCC K54-02_E3100 CDMA-1900 Ch600, Right Tilt

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

Medium: HSL1900, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

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: DAE4 Sn603, Calibrated: 9/15/2009

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/Area Scan (121x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.705 mW/g

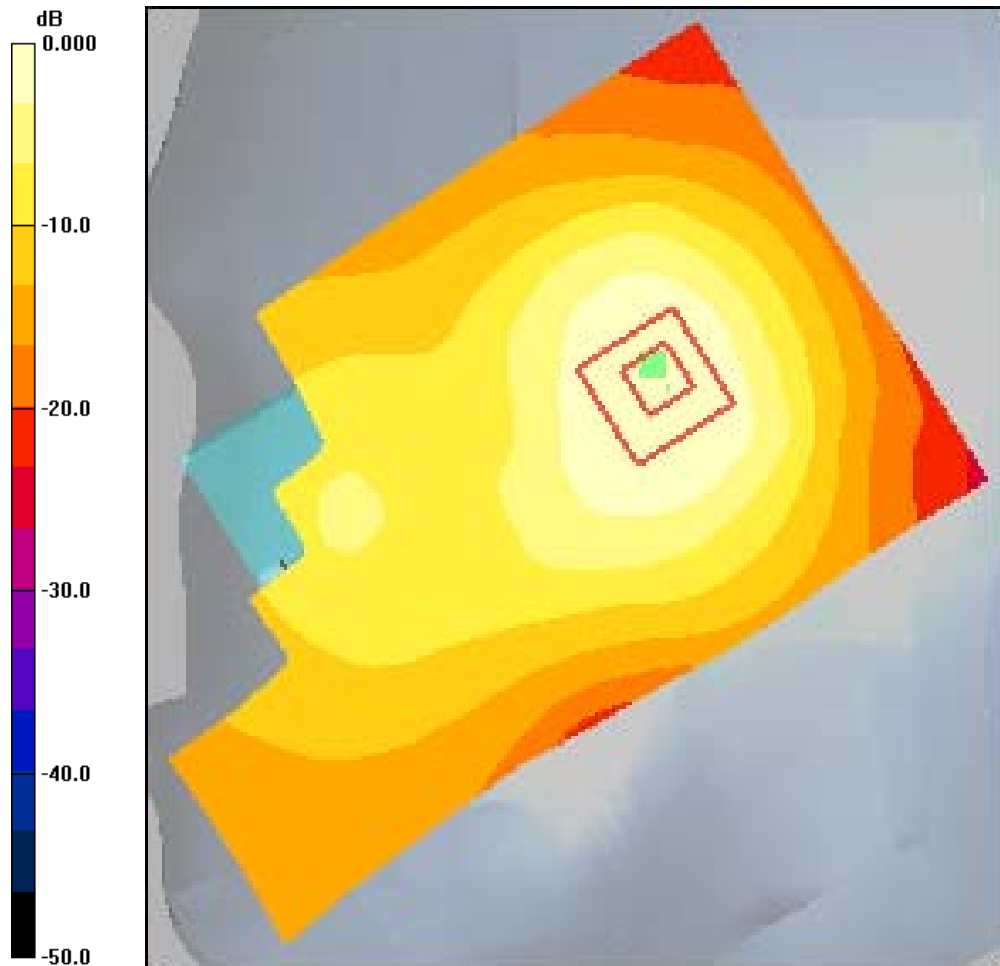
CDMA-1900_CH600 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.4 V/m; Power Drift = 0.090 dB

Peak SAR (extrapolated) = 0.885 W/kg

SAR(1 g) = 0.635 mW/g; SAR(10 g) = 0.414 mW/g

Maximum value of SAR (measured) = 0.682 mW/g



0 dB = 0.705mW/g