

Appendix B1: SAR Distribution Plots (Head)

PCS

Test Laboratory: Kyocera

FCC S2100 PCS Left_100410

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1
Medium: HSL1900, Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³
Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(5, 5, 5), Calibrated: 9/9/2010
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn675, Calibrated: 4/21/2010
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/Area Scan (141x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.37 mW/g

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

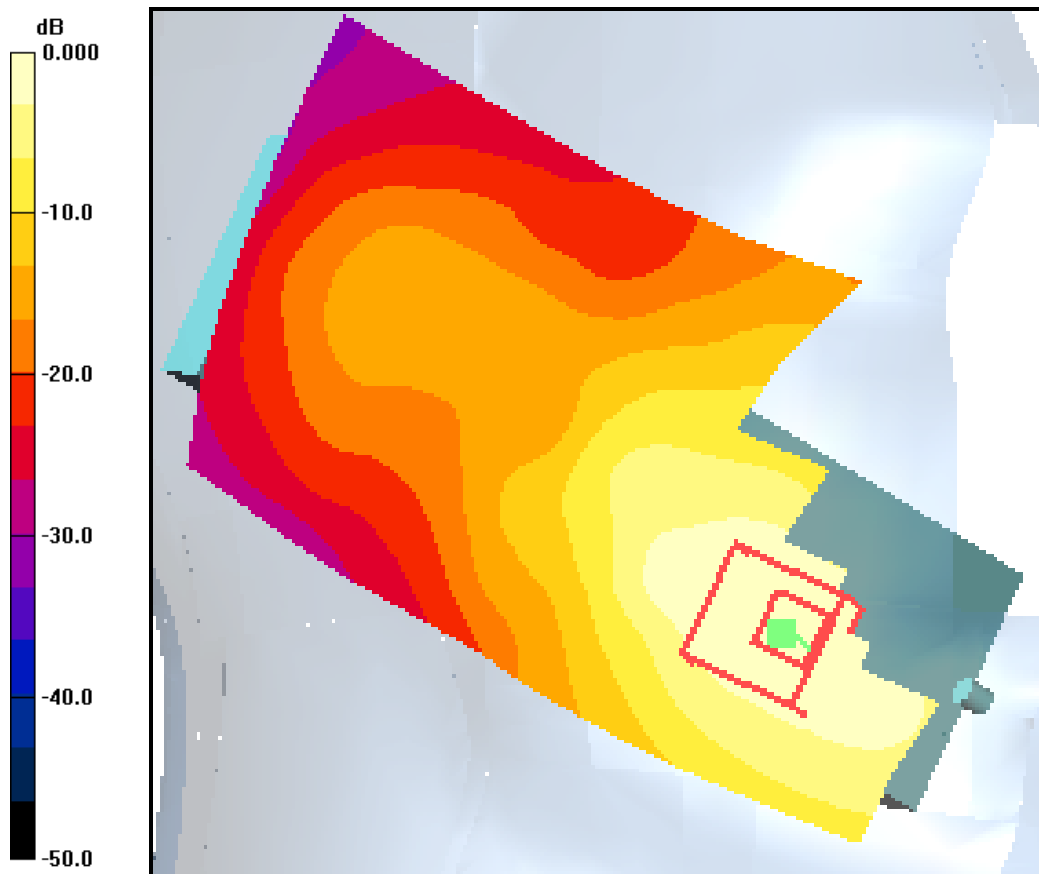
Reference Value = 4.65 V/m; Power Drift = 0.116 dB

Peak SAR (extrapolated) = 2.07 W/kg

SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.753 mW/g

Warning: Missing measurement points in grid. Zoom Scan requires a completely measured grid.

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



0 dB = 1.37mW/g

Test Laboratory: Kyocera

FCC S2100 PCS Left_100410

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: HSL1900, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³
Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(5, 5, 5), Calibrated: 9/9/2010

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

Electronics: DAE4 Sn675, Calibrated: 4/21/2010

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 (141x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.75 mW/g

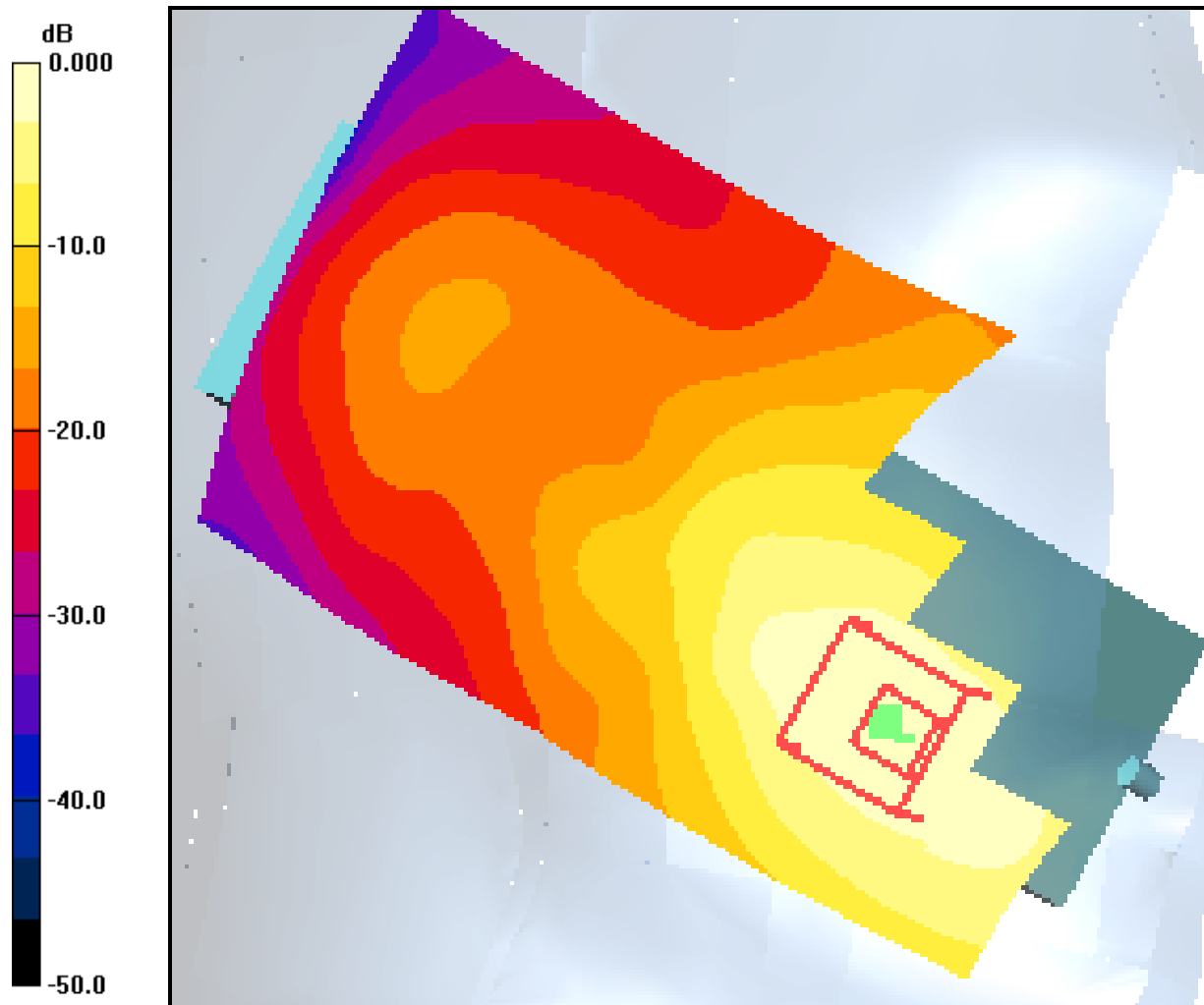
CDMA-1900_CH600 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.03 V/m; Power Drift = -0.128 dB

Peak SAR (extrapolated) = 2.45 W/kg

SAR(1 g) = 1.52 mW/g; SAR(10 g) = 0.894 mW/g

Maximum value of SAR (measured) = 1.67 mW/g



0 dB = 1.75mW/g

Test Laboratory: Kyocera

FCC S2100 PCS Left_100410

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1
Medium: HSL1900, Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³
Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(5, 5, 5), Calibrated: 9/9/2010

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

Electronics: DAE4 Sn675, Calibrated: 4/21/2010

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 (141x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.42 mW/g

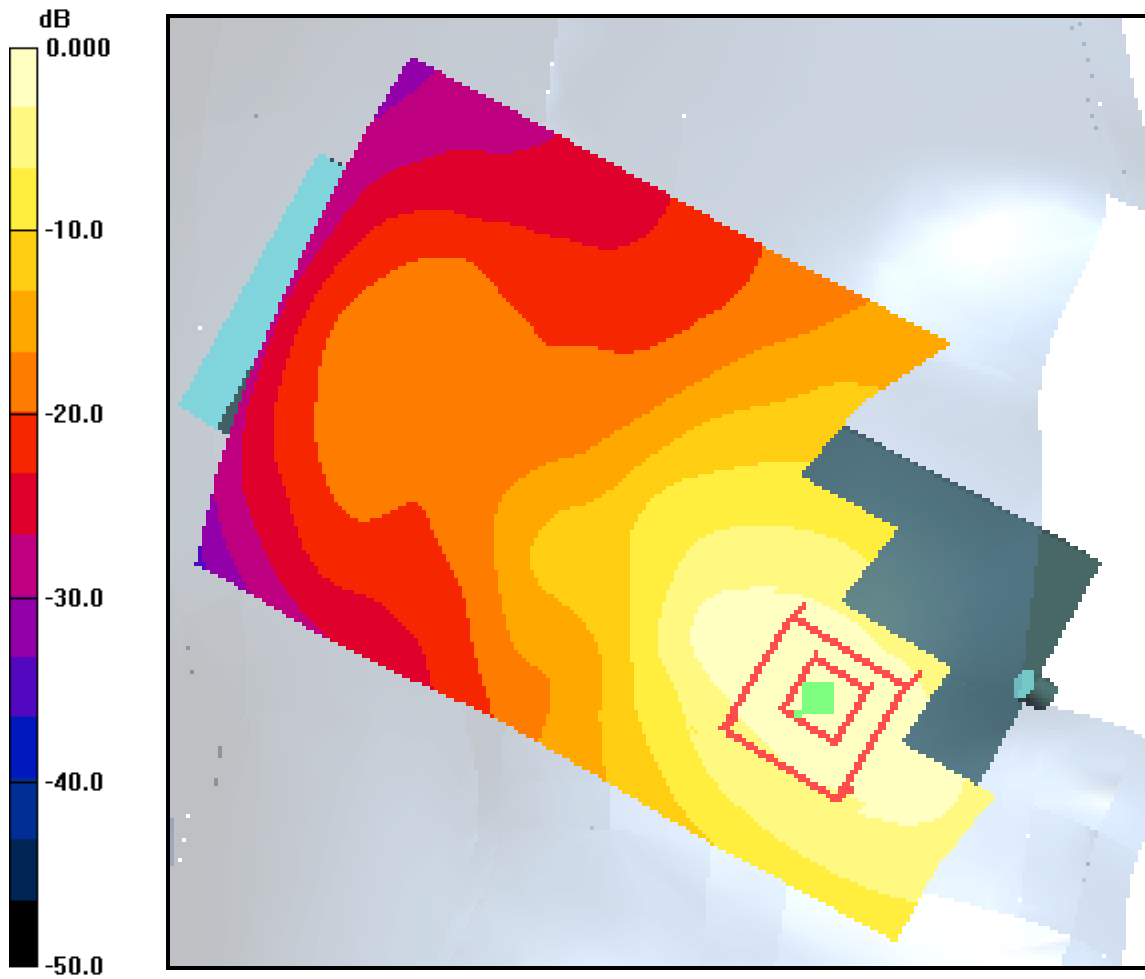
CDMA-1900_Ch 1175 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.67 V/m; Power Drift = 0.149 dB

Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.657 mW/g

Maximum value of SAR (measured) = 1.23 mW/g



0 dB = 1.42mW/g

Test Laboratory: Kyocera

FCC S2100 PCS Left_100410

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1
Medium: HSL1900, Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³
Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(5, 5, 5), Calibrated: 9/9/2010

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

Electronics: DAE4 Sn675, Calibrated: 4/21/2010

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 (141x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.117 mW/g

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

Reference Value = 6.61 V/m; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 0.140 W/kg

SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.067 mW/g

Maximum value of SAR (measured) = 0.103 mW/g

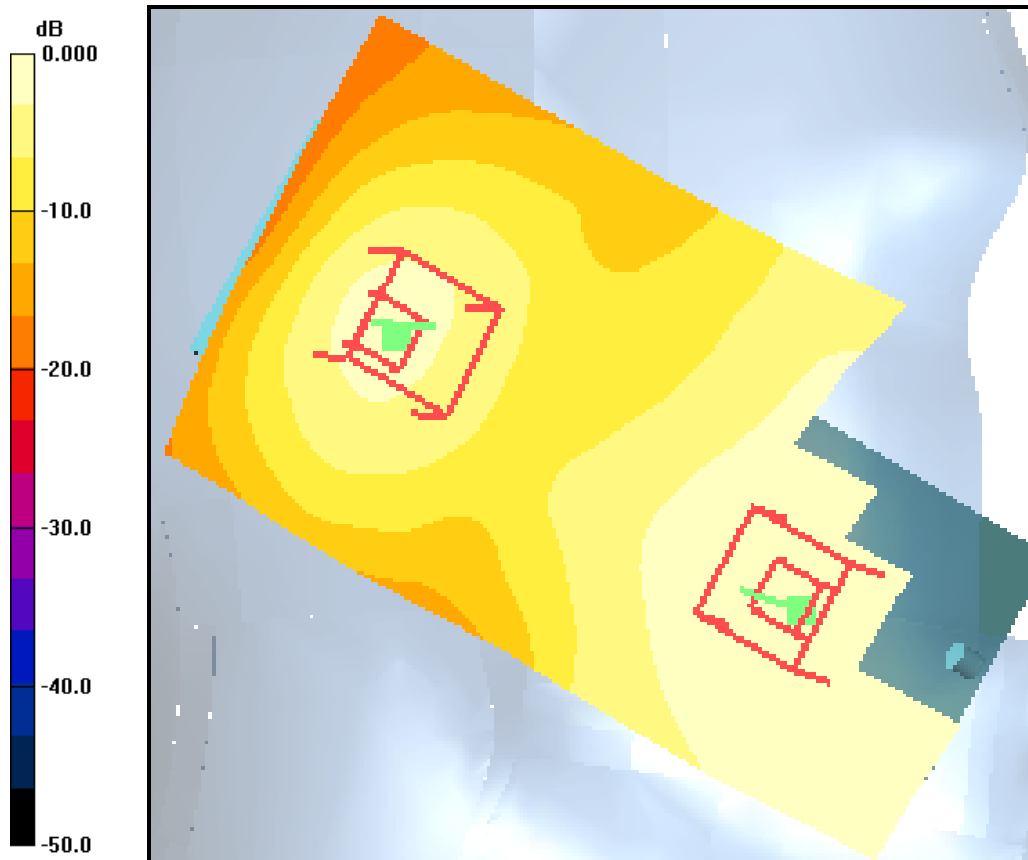
CDMA-1900_Ch 1175 LT/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.61 V/m; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 0.109 W/kg

SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.040 mW/g

Maximum value of SAR (measured) = 0.075 mW/g



0 dB = 0.117mW/g

Test Laboratory: Kyocera

FCC S2100 PCS Right_100510

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1
Medium: HSL1900, Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³
Phantom: SAM 12, Phantom section: Right Section
DASY4 Configuration:
Probe: ES3DV3 - SN3035, ConvF(5, 5, 5), Calibrated: 9/9/2010
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn675, Calibrated: 4/21/2010
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 (141x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.782 mW/g

CDMA-1900 Ch25 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

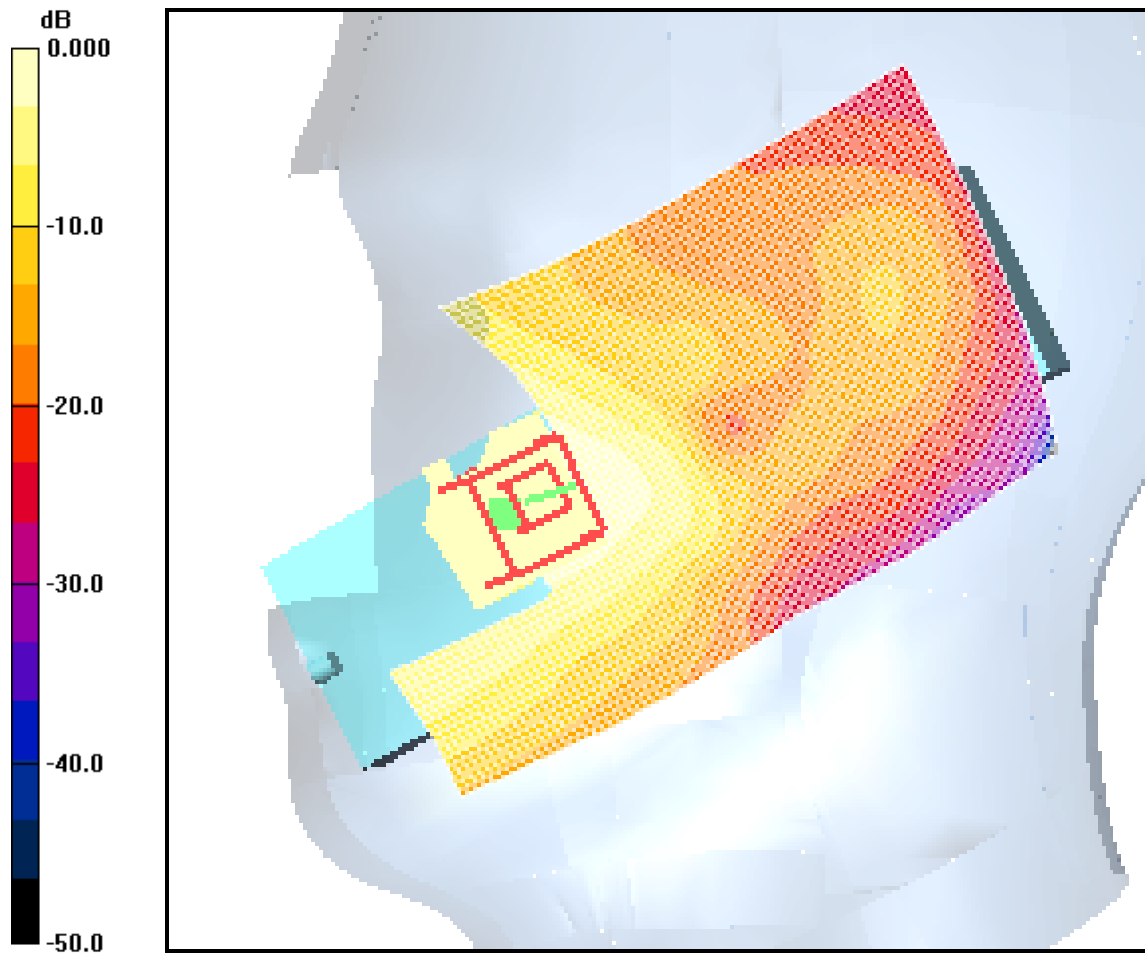
Reference Value = 8.97 V/m; Power Drift = 0.063 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.730 mW/g; SAR(10 g) = 0.471 mW/g

Warning: Missing measurement points in grid. Zoom Scan requires a completely measured grid.

Maximum value of SAR (measured) = 0.787 mW/g



0 dB = 0.782mW/g

Test Laboratory: Kyocera

FCC S2100 PCS Right_100510

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: HSL1900, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³
Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(5, 5, 5), Calibrated: 9/9/2010

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

Electronics: DAE4 Sn675, Calibrated: 4/21/2010

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 (141x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.926 mW/g

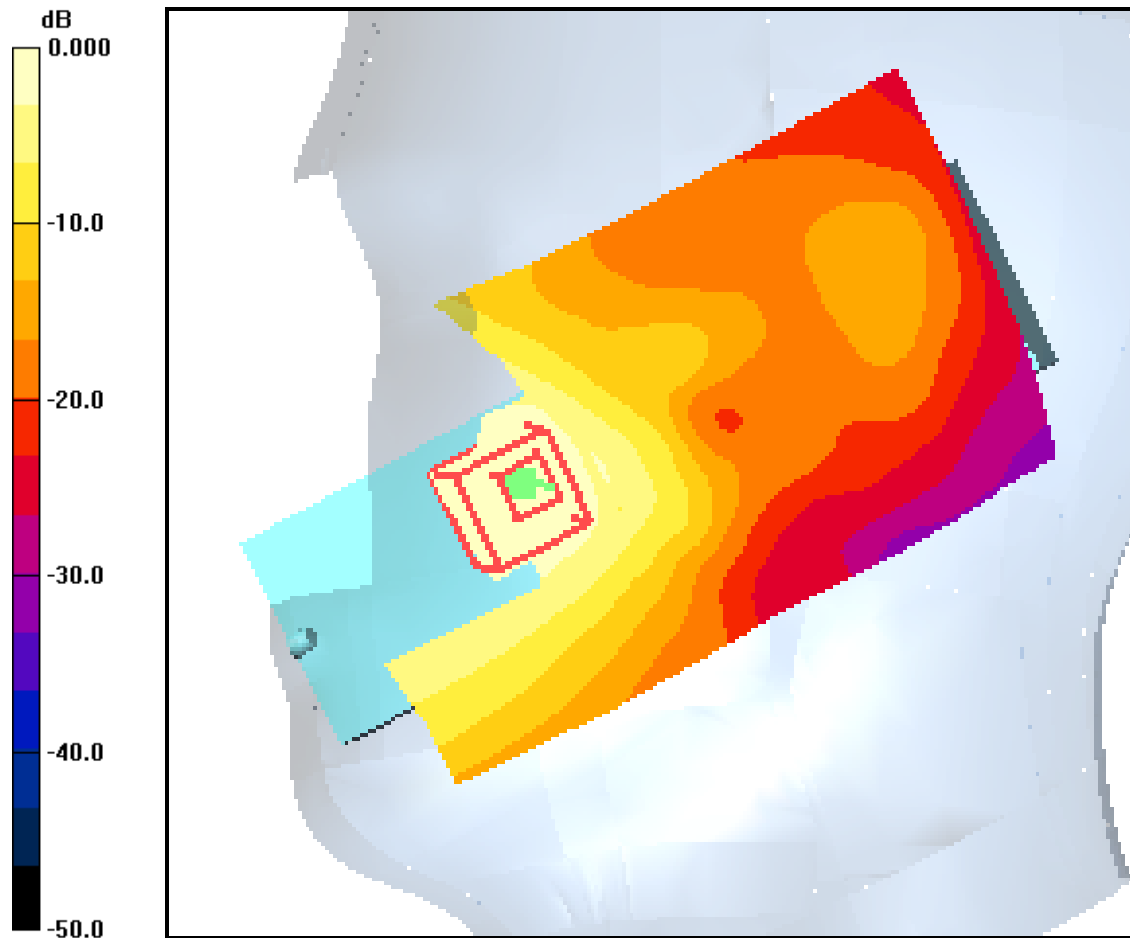
CDMA-1900 Ch600 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.52 V/m; Power Drift = -0.048 dB

Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 0.873 mW/g; SAR(10 g) = 0.576 mW/g**Warning: Missing measurement points in grid. Zoom Scan requires a completely measured grid.**

Maximum value of SAR (measured) = 0.947 mW/g



0 dB = 0.926mW/g

Test Laboratory: Kyocera

FCC S2100 PCS Right_100510

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1
 Medium: HSL1900, Medium parameters used (interpolated): $f = 1908.75 \text{ MHz}$; $\sigma = 1.44 \text{ mho/m}$; $\epsilon_r = 38.9$; $\rho = 1000 \text{ kg/m}^3$
 Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(5, 5, 5), Calibrated: 9/9/2010
 Sensor-Surface: 4mm (Mechanical Surface Detection),
 Electronics: DAE4 Sn675, Calibrated: 4/21/2010
 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 Ch1175 RC/Area Scan (141x61x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.782 mW/g

CDMA-1900 Ch1175 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

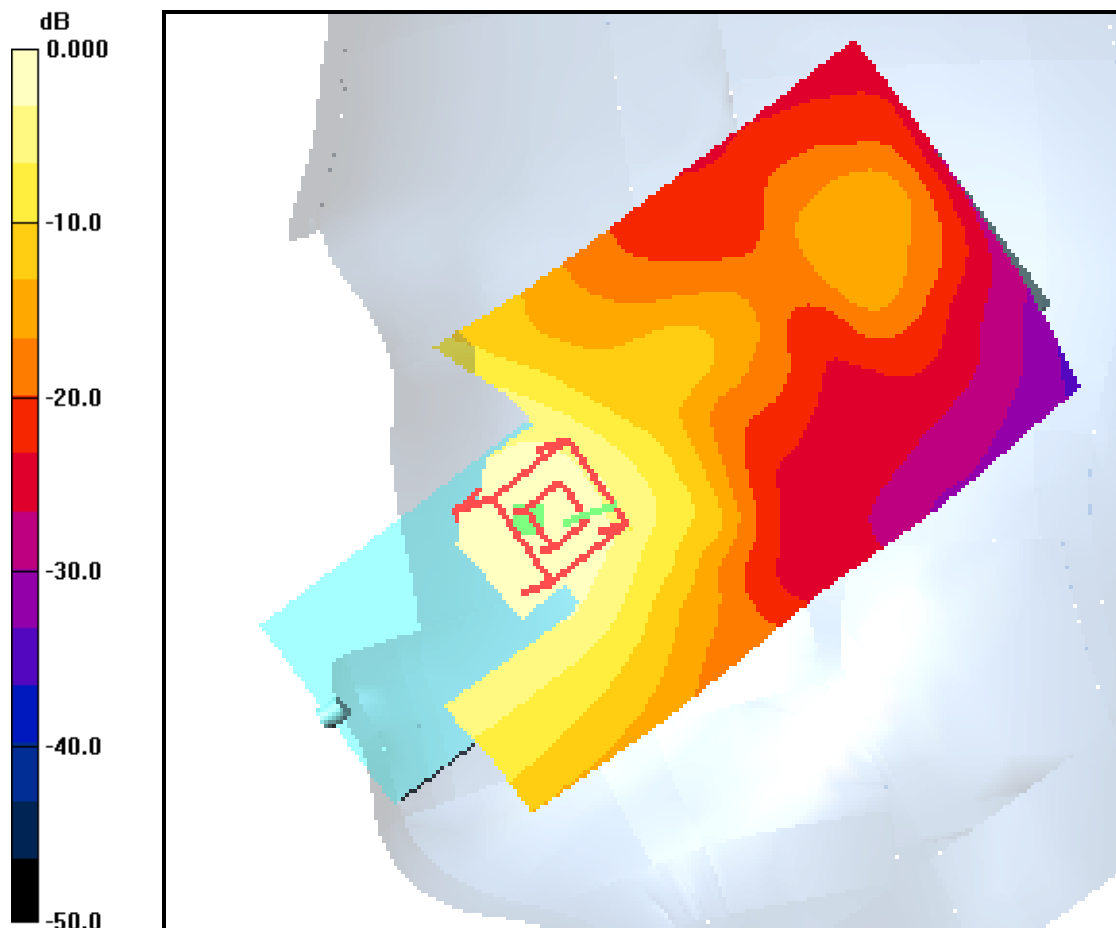
Reference Value = 8.79 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.659 mW/g; SAR(10 g) = 0.425 mW/g

Warning: Missing measurement points in grid. Zoom Scan requires a completely measured grid.

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



0 dB = 0.782mW/g

Test Laboratory: Kyocera

FCC S2100 PCS Right_100510

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1
Medium: HSL1900, Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³
Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(5, 5, 5), Calibrated: 9/9/2010

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

Electronics: DAE4 Sn675, Calibrated: 4/21/2010

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 Ch1175 RT/Area Scan (141x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.117 mW/g

CDMA-1900 Ch1175 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.90 V/m; Power Drift = -0.150 dB

Peak SAR (extrapolated) = 0.149 W/kg

SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.051 mW/g

Maximum value of SAR (measured) = 0.101 mW/g

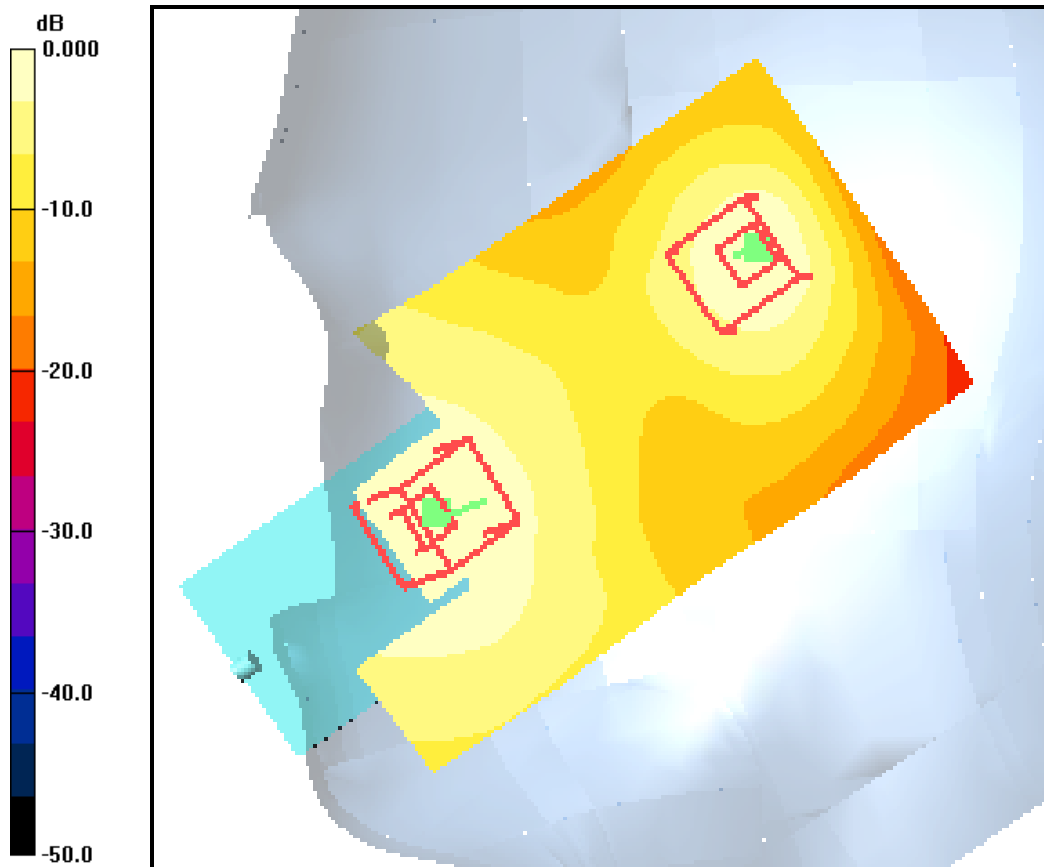
CDMA-1900 Ch1175 RT/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.90 V/m; Power Drift = -0.150 dB

Peak SAR (extrapolated) = 0.130 W/kg

SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.063 mW/g

Maximum value of SAR (measured) = 0.096 mW/g



0 dB = 0.117mW/g

Flat-JAW Position

Date: 10/5/2010

Test Laboratory: Kyocera

FCC S2100 PCS Flat-Jaw_100510

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1
Medium: HSL1900, Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³
Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(5, 5, 5), Calibrated: 9/9/2010

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

Electronics: DAE4 Sn675, Calibrated: 4/21/2010

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 FLAT Ch25/Area Scan (91x81x1): Measurement grid: dx=15mm, dy=15mm

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

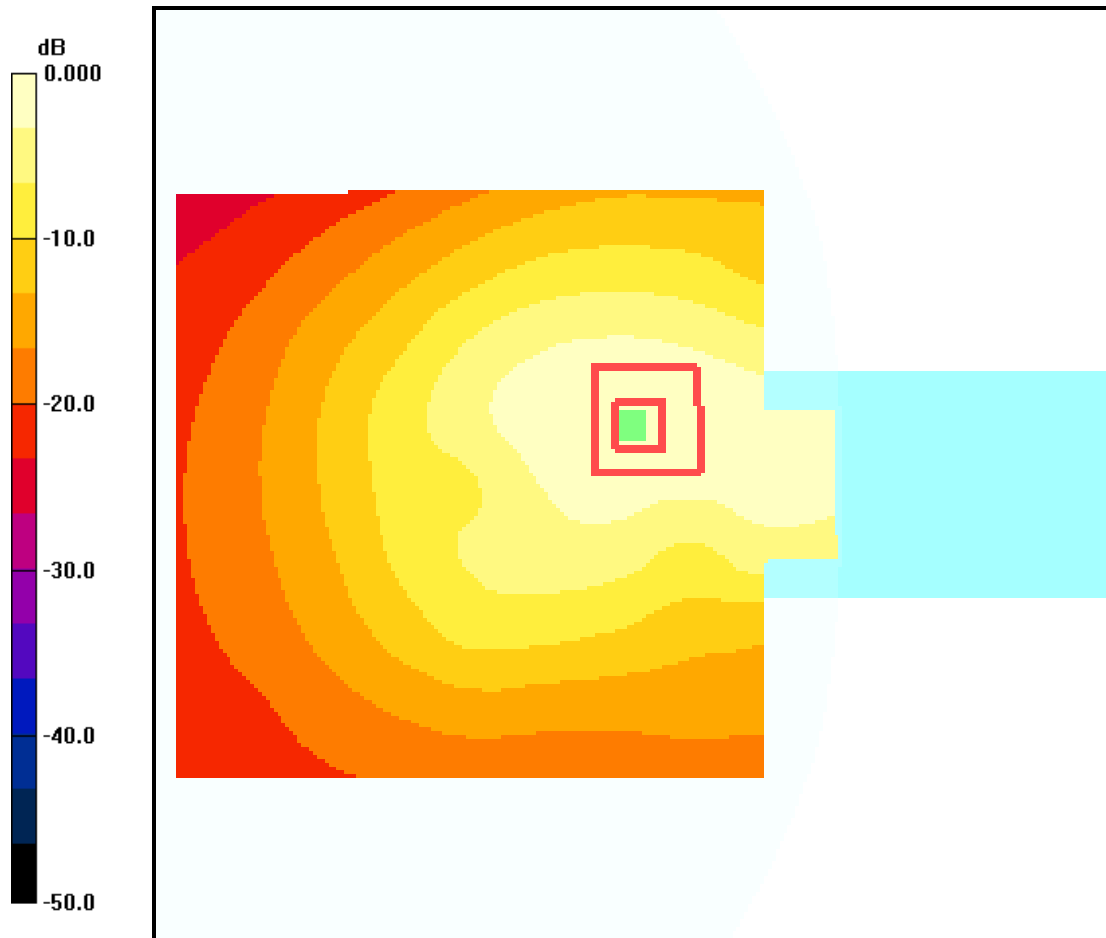
CDMA-1900 FLAT Ch25/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.48 V/m; Power Drift = 0.191 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.638 mW/g

Maximum value of SAR (measured) = 1.15 mW/g



0 dB = 1.09mW/g

Test Laboratory: Kyocera

FCC S2100 PCS Flat-Jaw_100510

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1
 Medium: HSL1900, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³
 Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(5, 5, 5), Calibrated: 9/9/2010

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

Electronics: DAE4 Sn675, Calibrated: 4/21/2010

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 FLAT Ch600/Area Scan (71x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.33 mW/g

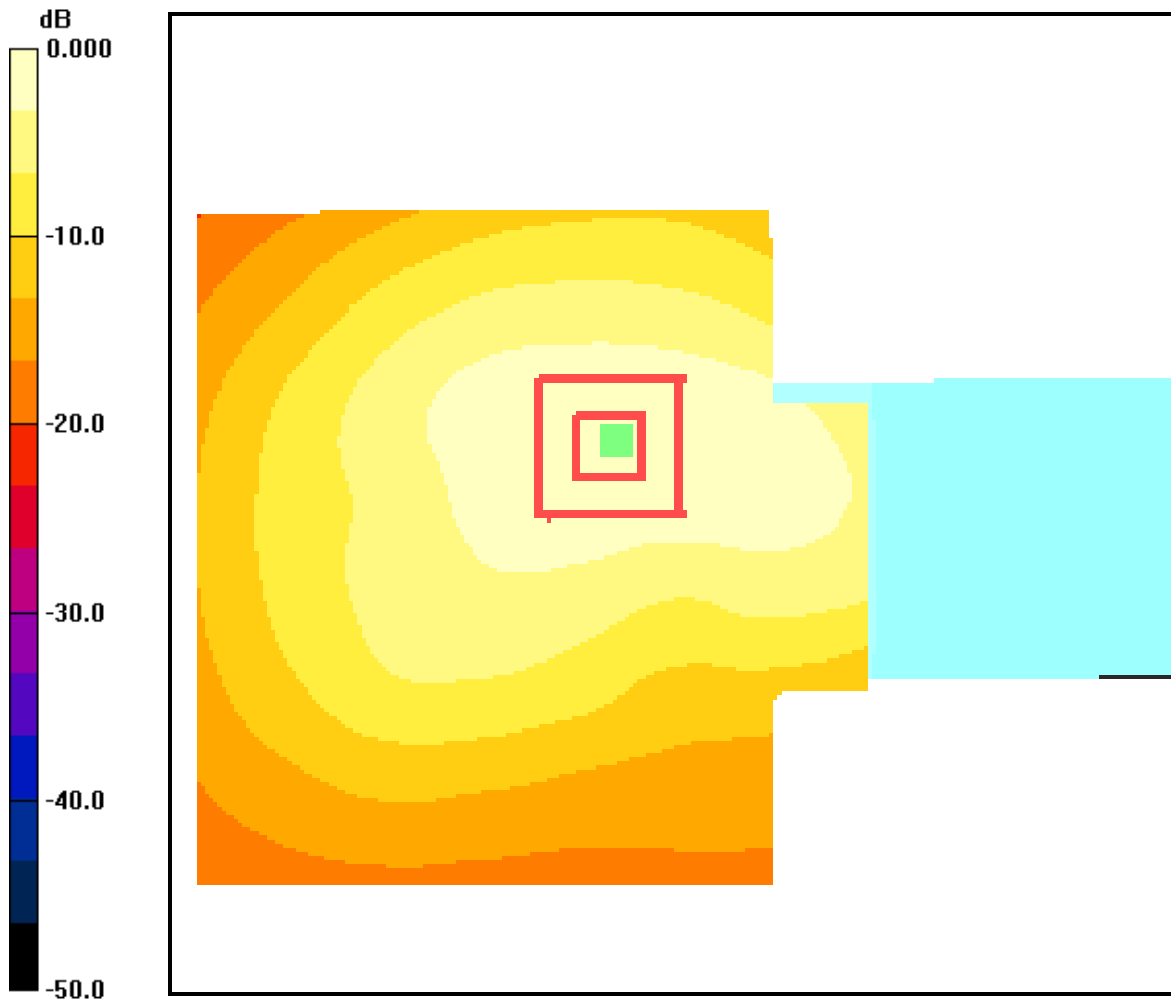
CDMA-1900 FLAT Ch600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.0 V/m; Power Drift = 0.100 dB

Peak SAR (extrapolated) = 1.89 W/kg

SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.735 mW/g

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



0 dB = 1.33mW/g

Test Laboratory: Kyocera

FCC S2100 PCS Flat-Jaw_100510

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1
Medium: HSL1900, Medium parameters used (interpolated): $f = 1908.75 \text{ MHz}$; $\sigma = 1.44 \text{ mho/m}$; $\epsilon_r = 38.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3035, ConvF(5, 5, 5), Calibrated: 9/9/2010
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn675, Calibrated: 4/21/2010
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 FLAT Ch1175/Area Scan (91x81x1): Measurement grid: dx=15mm, dy=15mm

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

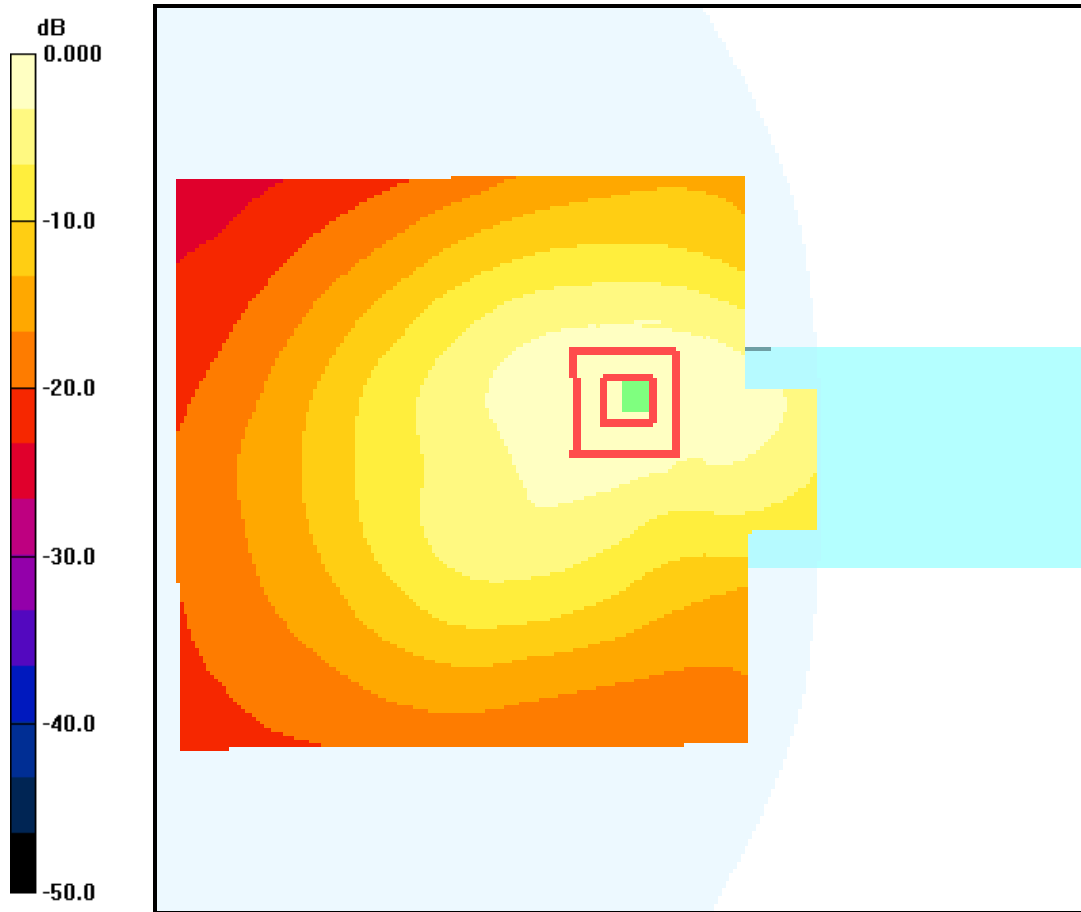
CDMA-1900 FLAT Ch1175/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.97 V/m; Power Drift = -0.044 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.855 mW/g; SAR(10 g) = 0.519 mW/g

Maximum value of SAR (measured) = 0.934 mW/g



0 dB = 1.02mW/g