

## **Appendix B (Addendum): SAR Distribution Plots**

# HEAD - PCS

Date: 6/29/2010

Test Laboratory: Kyocera Communications, Inc.

## FCC S1310 CDMA-1900 Left\_062910

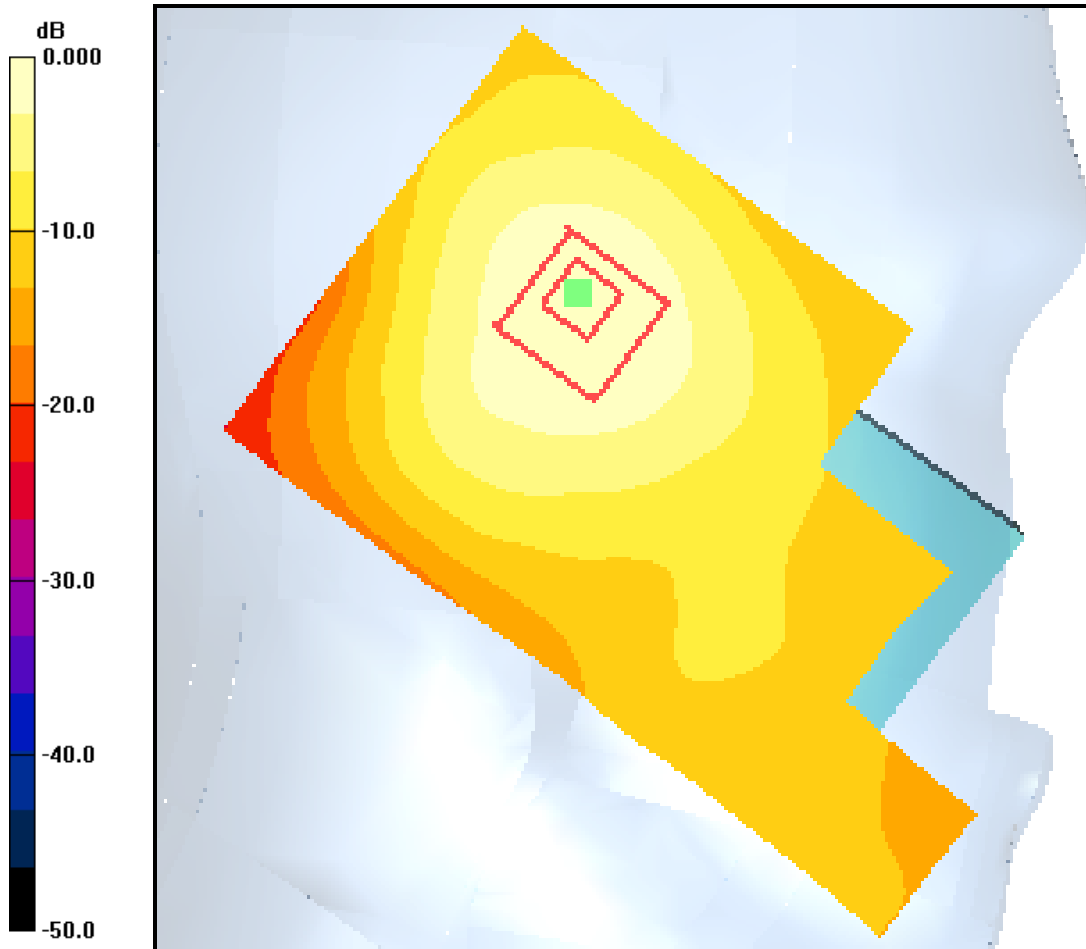
Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1  
 Medium: HSL1900, Medium parameters used (interpolated):  $f = 1908.75 \text{ MHz}$ ;  $\sigma = 1.39 \text{ mho/m}$ ;  $\epsilon_r = 39.7$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3036, ConvF(4.92, 4.92, 4.92), Calibrated: 8/20/2009  
 Sensor-Surface: 4mm (Mechanical Surface Detection),  
 Electronics: 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 (111x61x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.644 mW/g

**CDMA-1900\_Ch 1175 LT/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 11.2 V/m; Power Drift = -0.170 dB  
 Peak SAR (extrapolated) = 0.887 W/kg  
**SAR(1 g) = 0.562 mW/g; SAR(10 g) = 0.351 mW/g**  
 Maximum value of SAR (measured) = 0.607 mW/g



0 dB = 0.644mW/g

Test Laboratory: Kyocera Communications, Inc.

## FCC S1310 CDMA-1900 Right\_062910

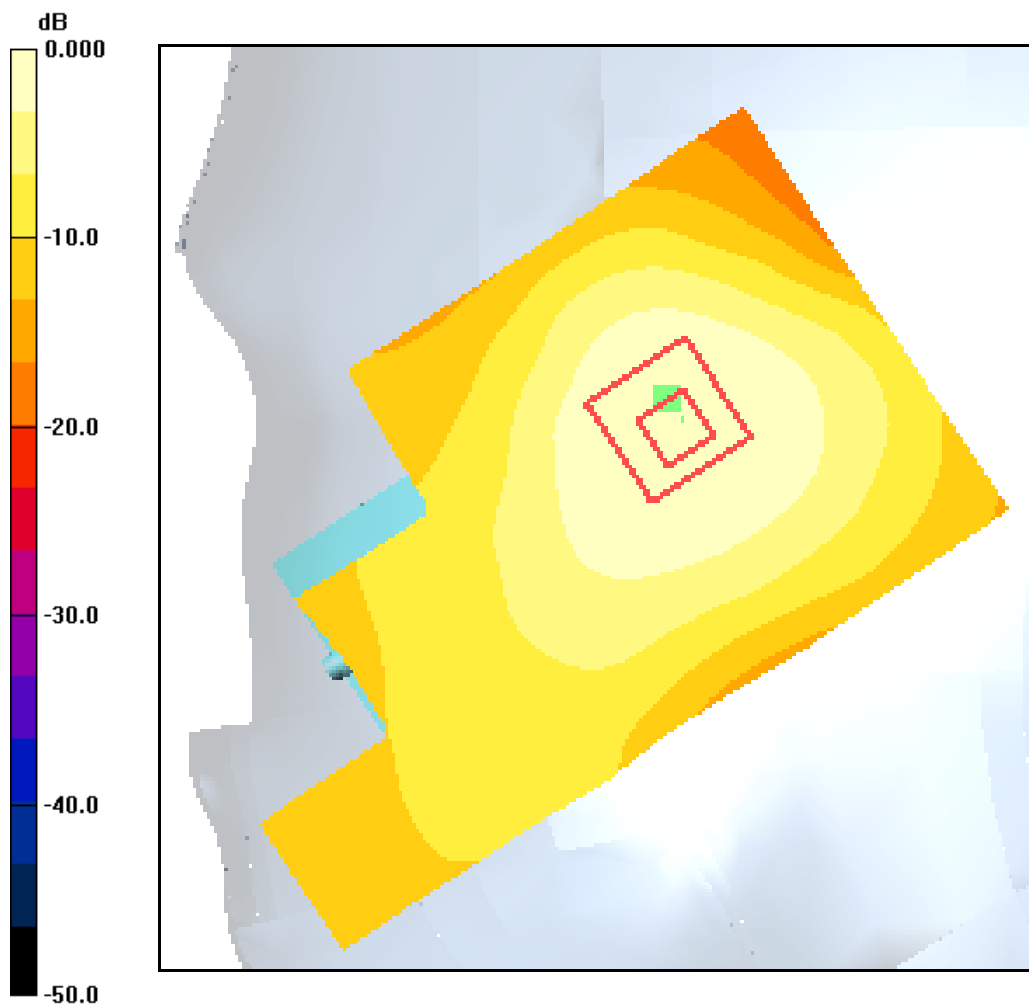
Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1  
 Medium: HSL1900, Medium parameters used (interpolated):  $f = 1908.75 \text{ MHz}$ ;  $\sigma = 1.39 \text{ mho/m}$ ;  $\epsilon_r = 39.7$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom: SAM 12, Phantom section: Right Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3036, ConvF(4.92, 4.92, 4.92), Calibrated: 8/20/2009  
 Sensor-Surface: 4mm (Mechanical Surface Detection),  
 Electronics: 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 RT/Area Scan (111x61x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.521 mW/g

**CDMA-1900\_Ch 1175 RT/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 12.9 V/m; Power Drift = -0.078 dB  
 Peak SAR (extrapolated) = 0.698 W/kg  
**SAR(1 g) = 0.478 mW/g; SAR(10 g) = 0.319 mW/g**  
 Maximum value of SAR (measured) = 0.507 mW/g



0 dB = 0.521mW/g

# MUSCLE - PCS

Date: 6/29/2010

Test Laboratory: Kyocera Communications, Inc.

## FCC S1310 CDMA-1900 Flat with 15mm Air Space, 062910

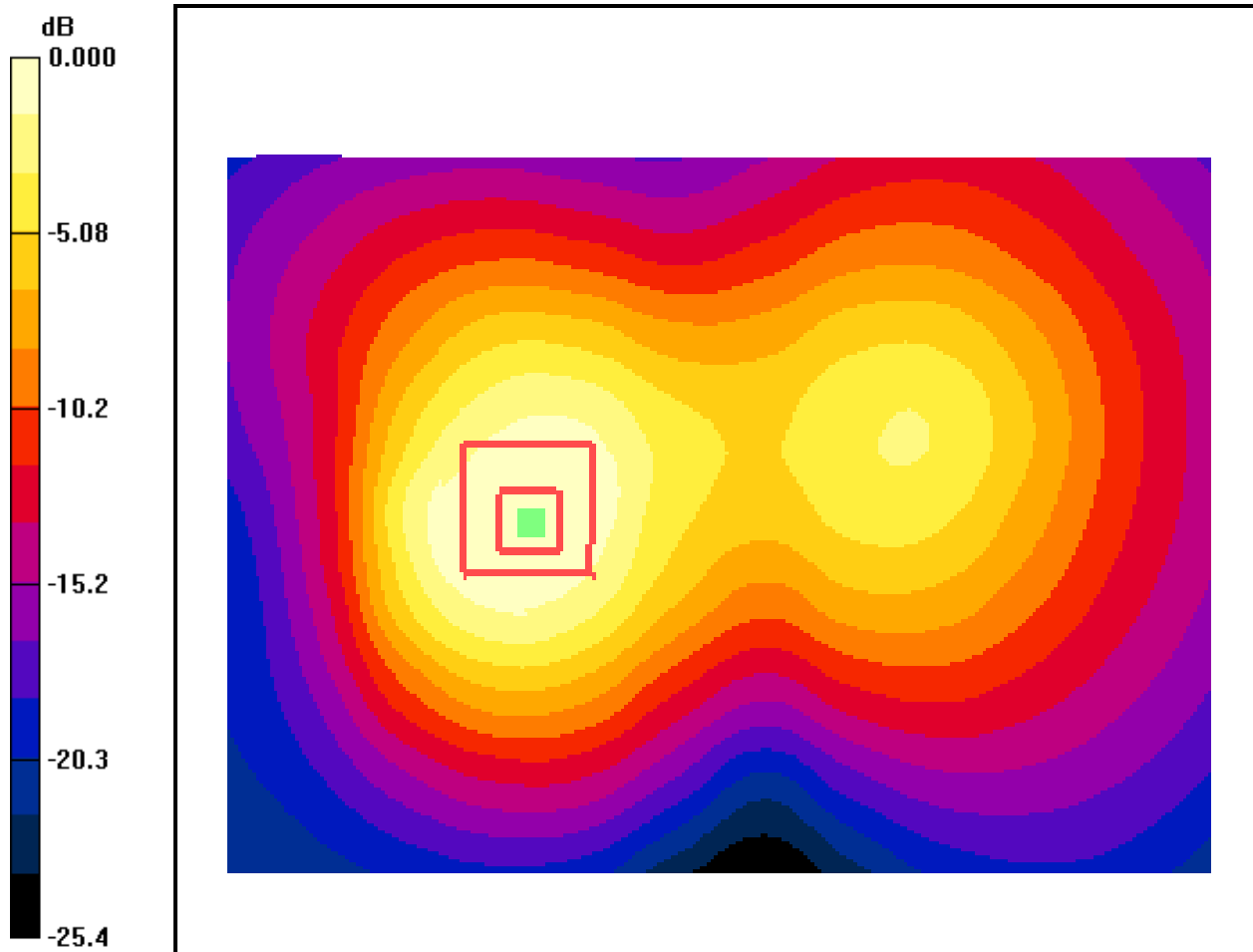
Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1  
 Medium: M1900, Medium parameters used (interpolated):  $f = 1851.25$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 52$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(4.54, 4.54, 4.54), 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 FLAT - Face Down Ch25/Area Scan (81x111x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.827 mW/g

**CDMA-1900 FLAT - Face Down Ch25/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 12.5 V/m; Power Drift = 0.084 dB  
 Peak SAR (extrapolated) = 1.17 W/kg  
**SAR(1 g) = 0.760 mW/g; SAR(10 g) = 0.474 mW/g**  
 Maximum value of SAR (measured) = 0.823 mW/g



0 dB = 0.827mW/g

Test Laboratory: Kyocera Communications, Inc.

## FCC S1310 CDMA-1900 Flat with 15mm Air Space, 062910

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1  
 Medium: M1900, Medium parameters used (interpolated):  $f = 1908.75 \text{ MHz}$ ;  $\sigma = 1.54 \text{ mho/m}$ ;  $\epsilon_r = 52$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom: SAM 12, Phantom section: Flat Section

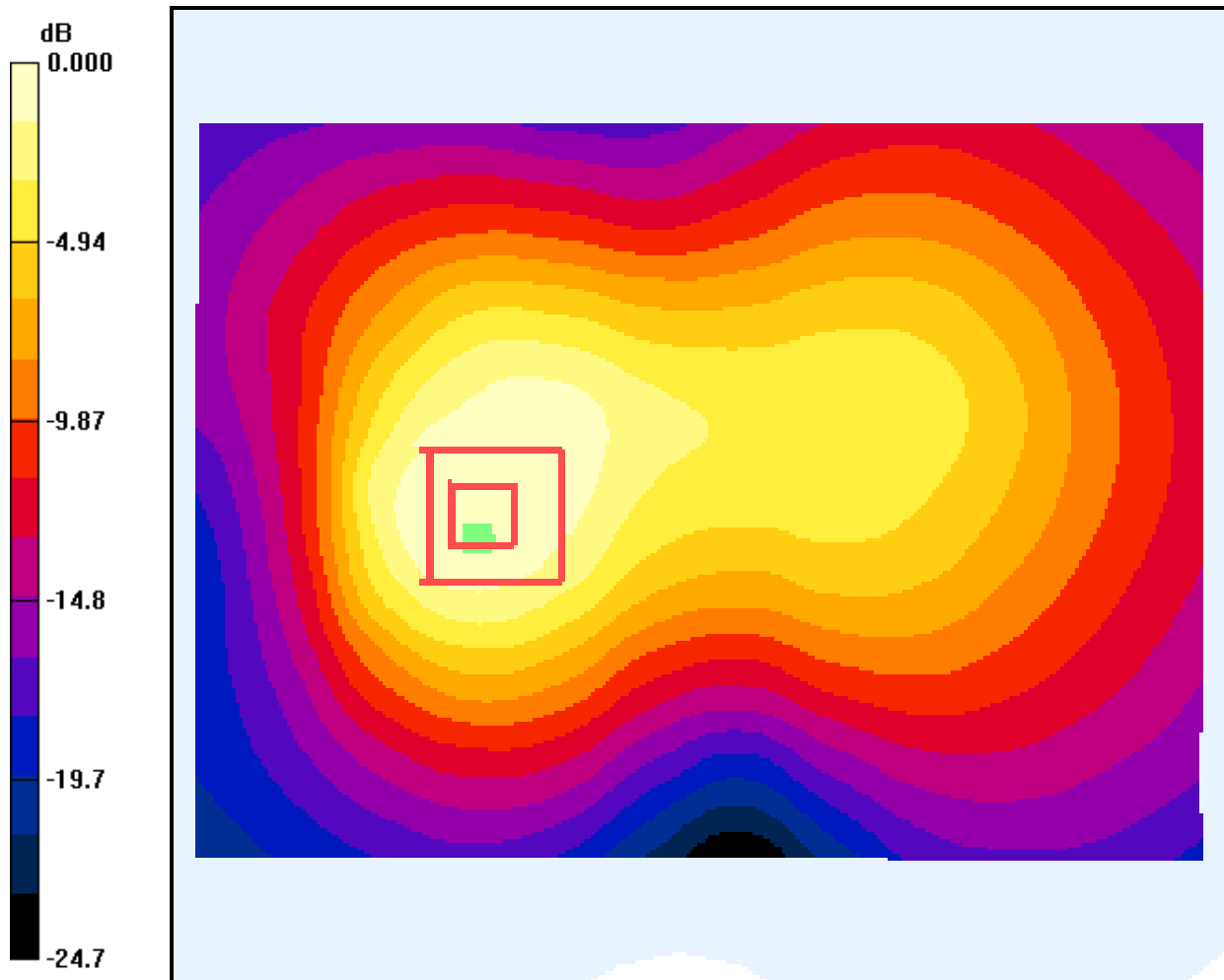
**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(4.54, 4.54, 4.54), 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 FLAT - Face Down Ch1175 SO32/Area Scan (81x111x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.829 mW/g

**CDMA-1900 FLAT - Face Down Ch1175 SO32/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.3 V/m; Power Drift = -0.087 dB  
 Peak SAR (extrapolated) = 1.20 W/kg  
**SAR(1 g) = 0.746 mW/g; SAR(10 g) = 0.456 mW/g**  
 Maximum value of SAR (measured) = 0.807 mW/g



0 dB = 0.829mW/g

Test Laboratory: Kyocera Communications, Inc.

## FCC S1310 CDMA-1900 Flat with 15mm Air Space, 062910

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1  
 Medium: M1900, Medium parameters used (interpolated):  $f = 1908.75 \text{ MHz}$ ;  $\sigma = 1.54 \text{ mho/m}$ ;  $\epsilon_r = 52$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom: SAM 12, Phantom section: Flat Section

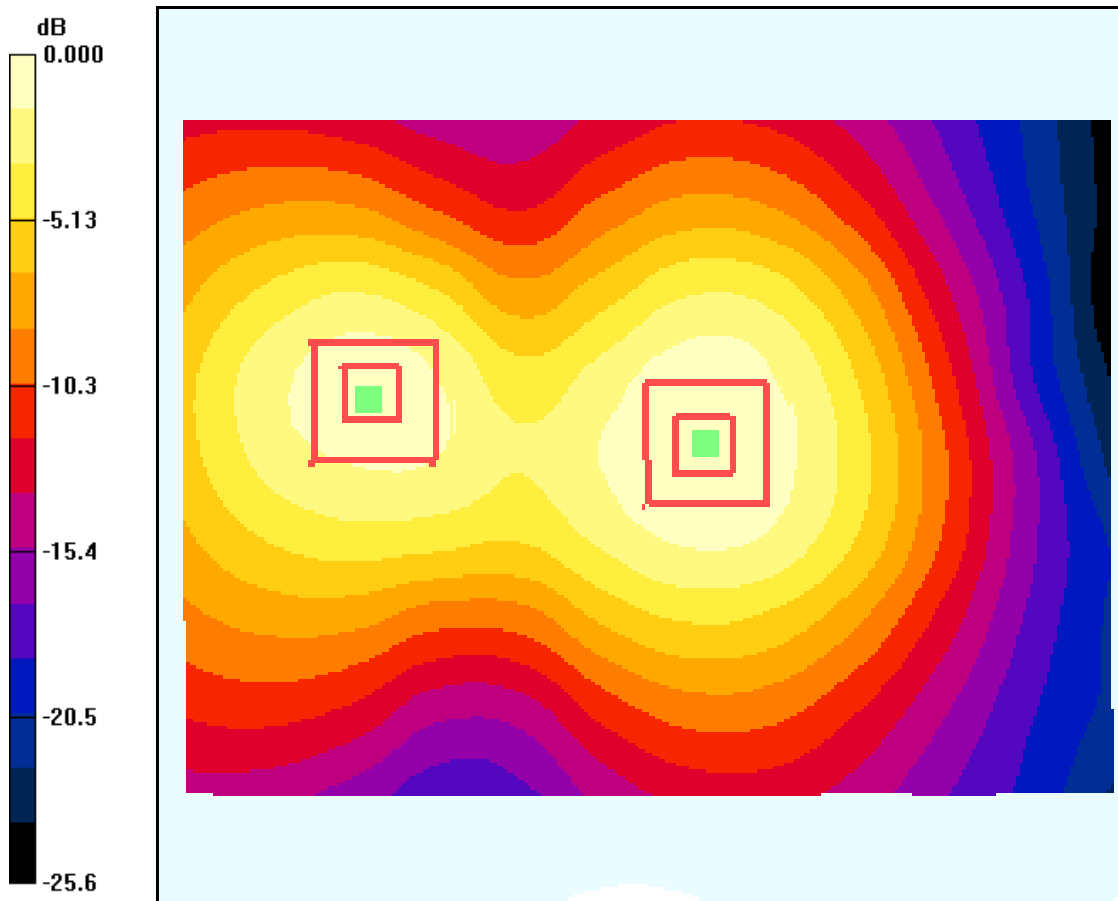
**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(4.54, 4.54, 4.54), 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 FLAT - Face Up Ch1175 SO32/Area Scan (81x111x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.470 mW/g

**CDMA-1900 FLAT - Face Up Ch1175 SO32/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 16.4 V/m; Power Drift = 0.026 dB  
 Peak SAR (extrapolated) = 0.604 W/kg  
**SAR(1 g) = 0.430 mW/g; SAR(10 g) = 0.283 mW/g**  
 Maximum value of SAR (measured) = 0.462 mW/g

**CDMA-1900 FLAT - Face Up Ch1175 SO32/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 16.4 V/m; Power Drift = 0.026 dB  
 Peak SAR (extrapolated) = 0.590 W/kg  
**SAR(1 g) = 0.385 mW/g; SAR(10 g) = 0.237 mW/g**  
 Maximum value of SAR (measured) = 0.419 mW/g



0 dB = 0.470mW/g