

Appendix B2:

SAR Distribution Plots (Body)

Test Laboratory: Kyocera

KX18 #K3YN, CDMA-800 ch383, Flat with 25mm Air Separation

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

Medium: M900, Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 55.2$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1713, ConvF(5.98, 5.98, 5.98), Calibrated: 5/19/2005

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

Electronics: DAE4 Sn530, Calibrated: 1/4/2005

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 130

Temperature:

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

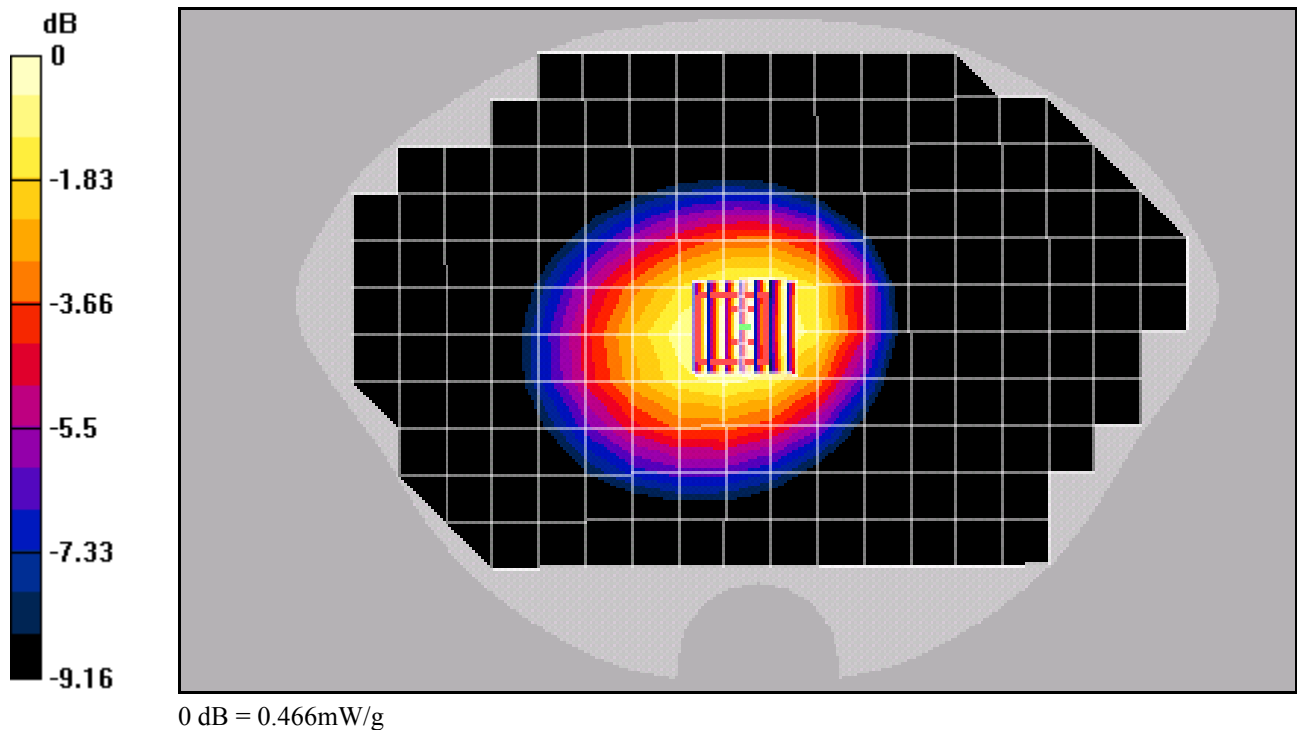
CDMA-800 FLAT Ch383/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.1 V/m; Power Drift = -0.2 dB

Peak SAR (extrapolated) = 0.565 W/kg

SAR(1 g) = 0.440 mW/g; SAR(10 g) = 0.322 mW/g**Info: Interpolated medium parameters used for SAR evaluation!**

Maximum value of SAR (measured) = 0.466 mW/g



Test Laboratory: Kyocera

KX18 #K3YN, CDMA-800 ch383, Flat with Plastic Holster, Extended Battery

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

Medium: M900, Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 55.2$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1713, ConvF(5.98, 5.98, 5.98), Calibrated: 5/19/2005

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

Electronics: DAE4 Sn530, Calibrated: 1/4/2005

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 130

Temperature:

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

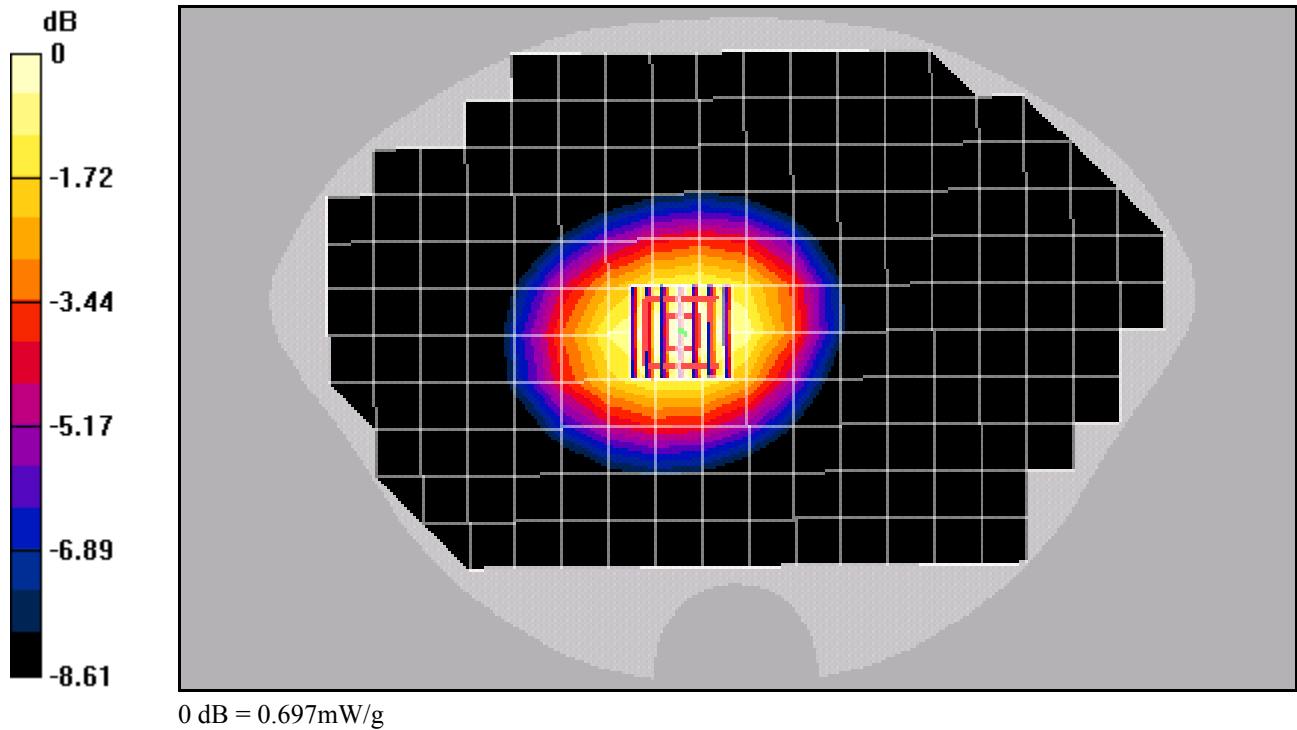
CDMA-800 FLAT Ch383/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.8 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.831 W/kg

SAR(1 g) = 0.660 mW/g; SAR(10 g) = 0.483 mW/g[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (measured) = 0.697 mW/g



Test Laboratory: Kyocera

KX18 #K3YN, CDMA-800 ch383, Flat with Leather Case

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

Medium: M900, Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 55.2$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1713, ConvF(5.98, 5.98, 5.98), Calibrated: 5/19/2005

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

Electronics: DAE4 Sn530, Calibrated: 1/4/2005

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 130

Temperature:

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

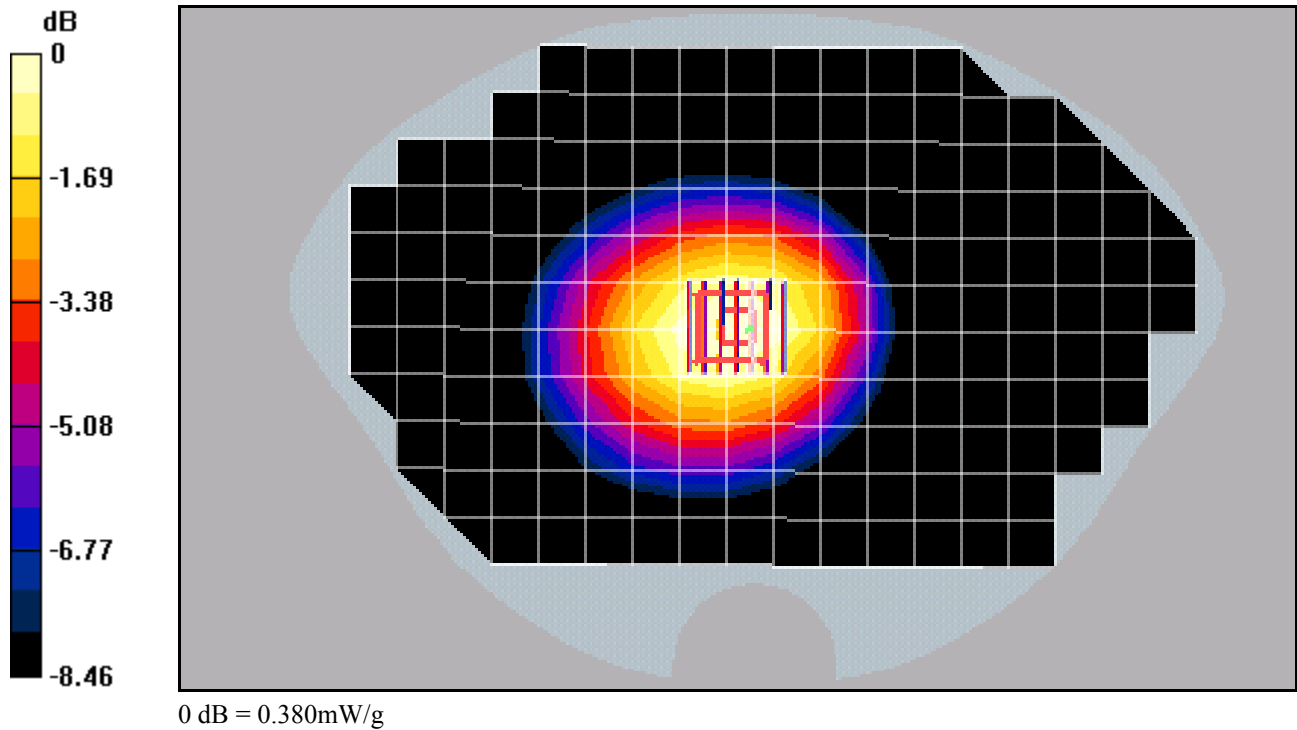
CDMA-800 FLAT Ch383/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

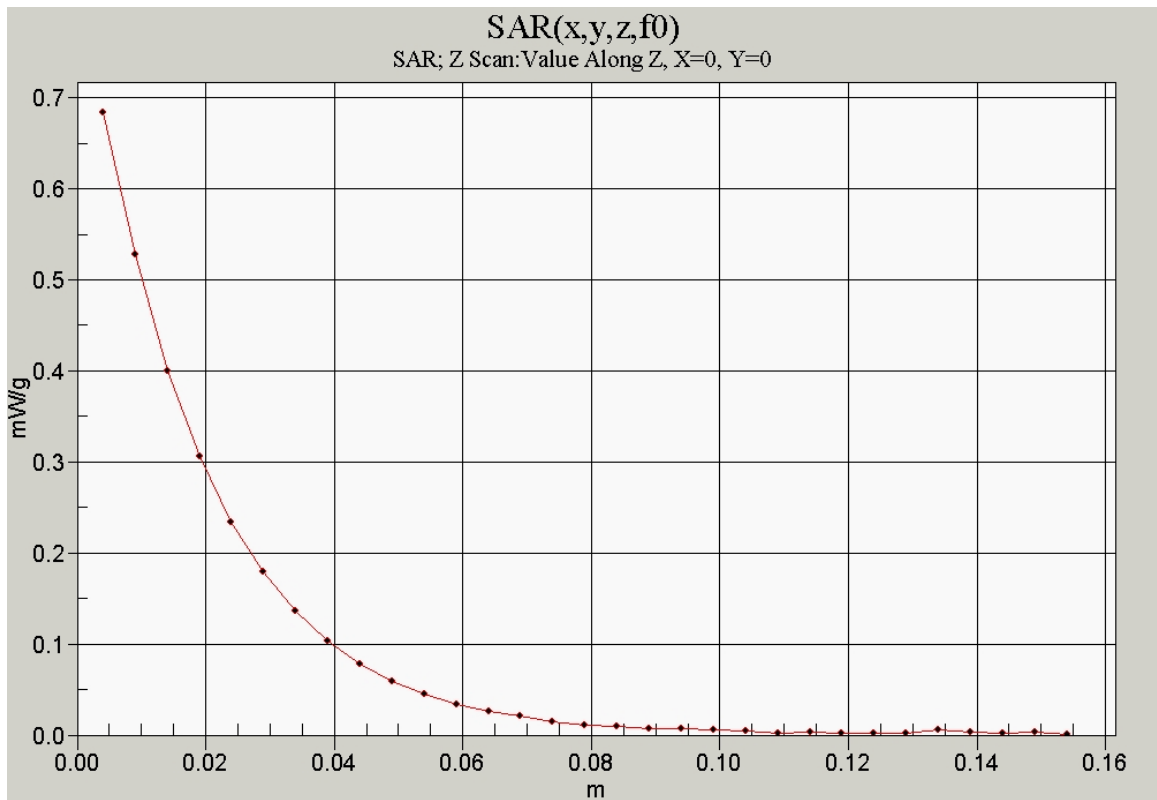
Reference Value = 21.6 V/m; Power Drift = 0.0 dB

Peak SAR (extrapolated) = 0.463 W/kg

SAR(1 g) = 0.360 mW/g; SAR(10 g) = 0.267 mW/g**Info: Interpolated medium parameters used for SAR evaluation!**

Maximum value of SAR (measured) = 0.380 mW/g





Test Laboratory: Kyocera

KX18 #LL3Q, CDMA-1900 ch600 FLAT with 25mm Air Separation

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

Medium: M1800, Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1713, ConvF(4.62, 4.62, 4.62), Calibrated: 5/19/2005

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

Electronics: DAE4 Sn530, Calibrated: 1/4/2005

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 130

Temperature:

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

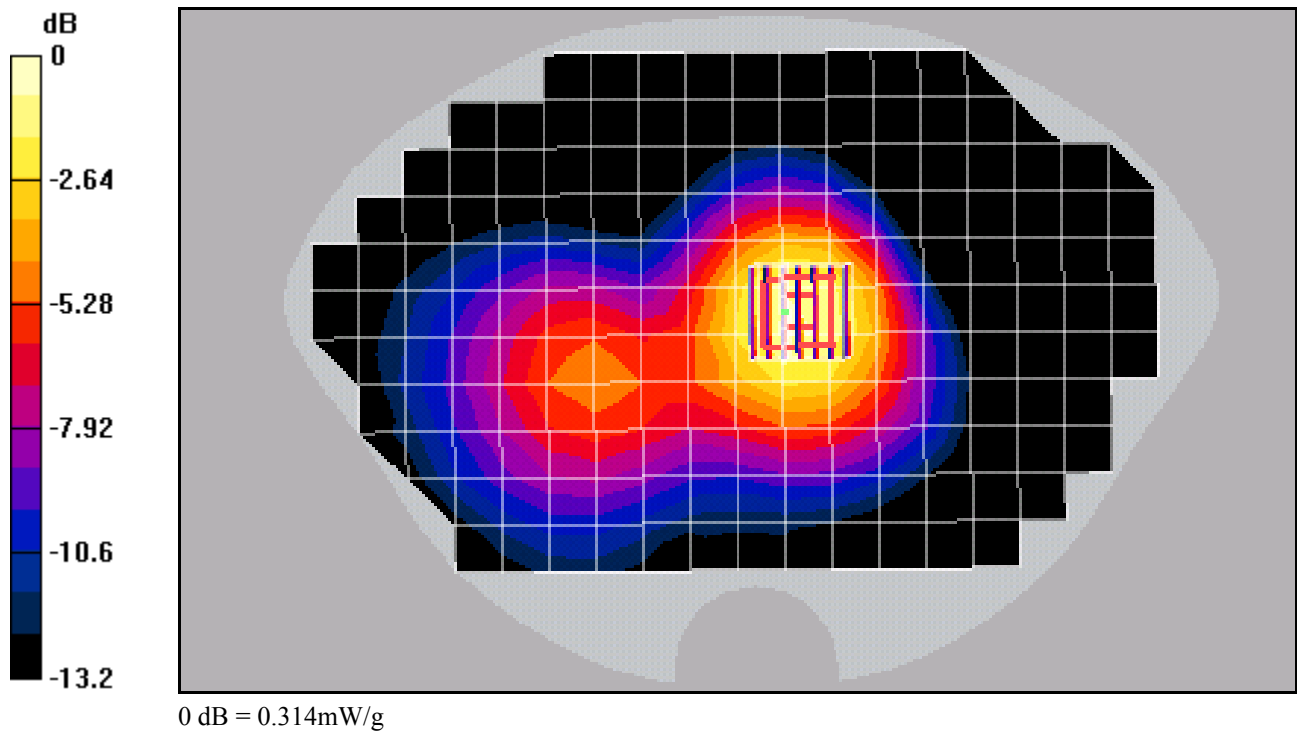
CDMA-1900 FLAT Ch600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.443 W/kg

SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.179 mW/g

Maximum value of SAR (measured) = 0.314 mW/g



Test Laboratory: Kyocera

KX18 #LL3Q, CDMA-1900 ch600, FLAT with Plastic Holster, Extended Battery

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

Medium: M1800, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1713, ConvF(4.62, 4.62, 4.62), Calibrated: 5/19/2005

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

Electronics: DAE4 Sn530, Calibrated: 1/4/2005

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 130

Temperature:

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

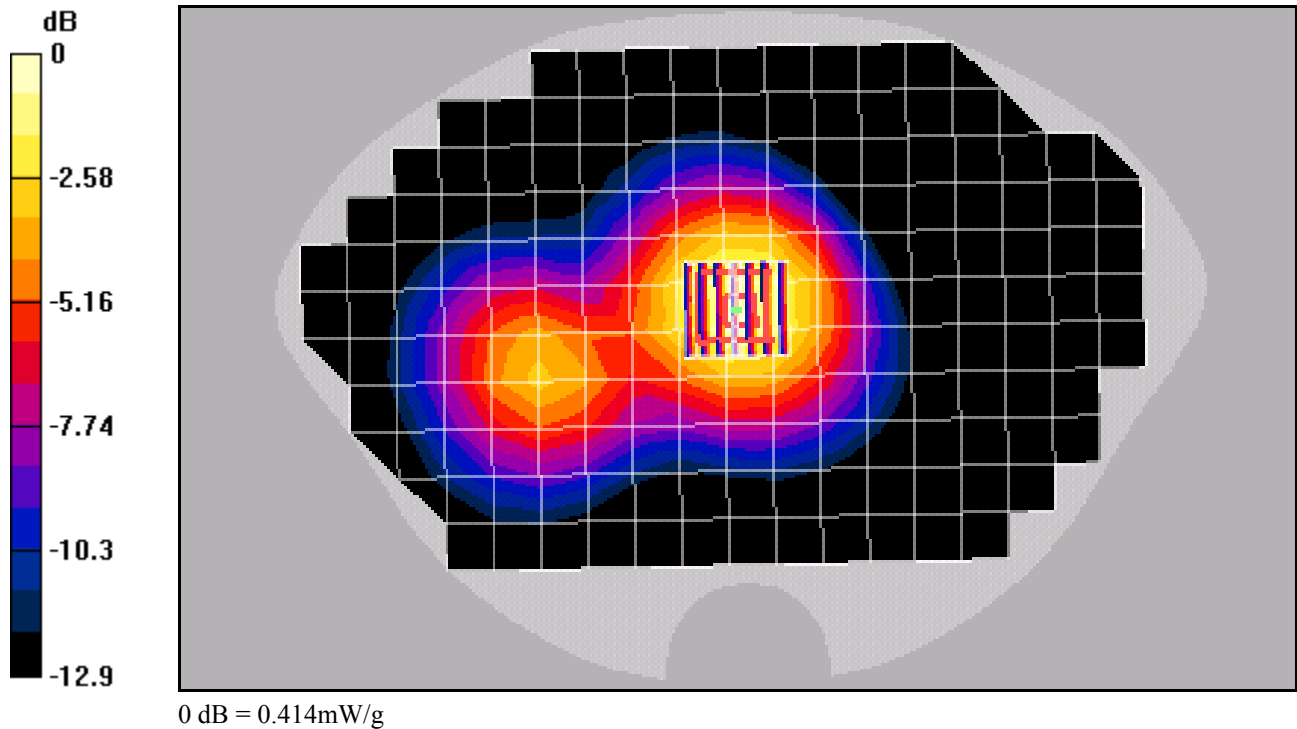
CDMA-1900 FLAT Ch600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.5 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 0.590 W/kg

SAR(1 g) = 0.372 mW/g; SAR(10 g) = 0.235 mW/g

Maximum value of SAR (measured) = 0.414 mW/g



Test Laboratory: Kyocera

KX18 #LL3Q, CDMA-1900 ch600, FLAT with Leather Case, Extended Battery

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

Medium: M1800, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1713, ConvF(4.62, 4.62, 4.62), Calibrated: 5/19/2005

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

Electronics: DAE4 Sn530, Calibrated: 1/4/2005

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 130

Temperature:

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

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

Reference Value = 15.5 V/m; Power Drift = -0.2 dB

Peak SAR (extrapolated) = 0.459 W/kg

SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.190 mW/g

Maximum value of SAR (measured) = 0.315 mW/g

