

Appendix B-4:
AMPS, CDMA 800, CDMA 1900 (Body)
SAR Distribution Plots

Date/Time: 04/19/05 04:28:26

Test Laboratory: Kyocera

KX5-5C1 #R5NC AMPS ch383 Flat with 25mm Air Separation, Extended Battery

Communication System: AMPS, Frequency: 836.49 MHz, Duty Cycle: 1:1

Medium: M900, Medium parameters used (interpolated): $f = 836.49$ MHz, $\sigma = 0.978$ mho/m, $\epsilon_r = 54.3$, $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, CoreF(6.17, 6.17, 6.17), Calibrated: 9/2/2004

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

Electronics: DAE4 Sn002, Calibrated: 8/27/2004

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

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

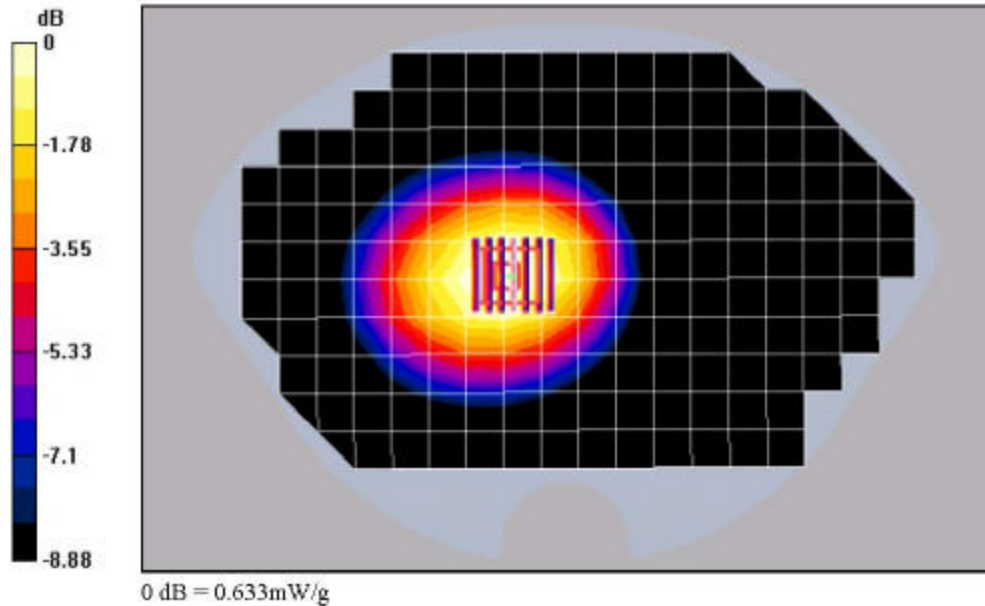
Reference Value = 22.9 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 0.766 W/kg

SAR(1 g) = 0.596 mW/g; SAR(10 g) = 0.434 mW/g

Info: Interpolated medium parameters used for SAR evaluation!

Maximum value of SAR (measured) = 0.633 mW/g



Date/Time: 04/19/05 03:39:25

Test Laboratory: Kyocera

KX5-5C1 #R5NC AMPS ch383 Flat with Leather Case

Communication System: AMPS, Frequency: 836.49 MHz, Duty Cycle: 1:1

Medium: M900, Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(6.17, 6.17, 6.17), Calibrated: 9/2/2004

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

Electronics: DAE4 Sn602, Calibrated: 8/27/2004

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

AMPS FLAT Ch383/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $\Delta x = 5$ mm, $\Delta y = 5$ mm, $\Delta z = 5$ mm

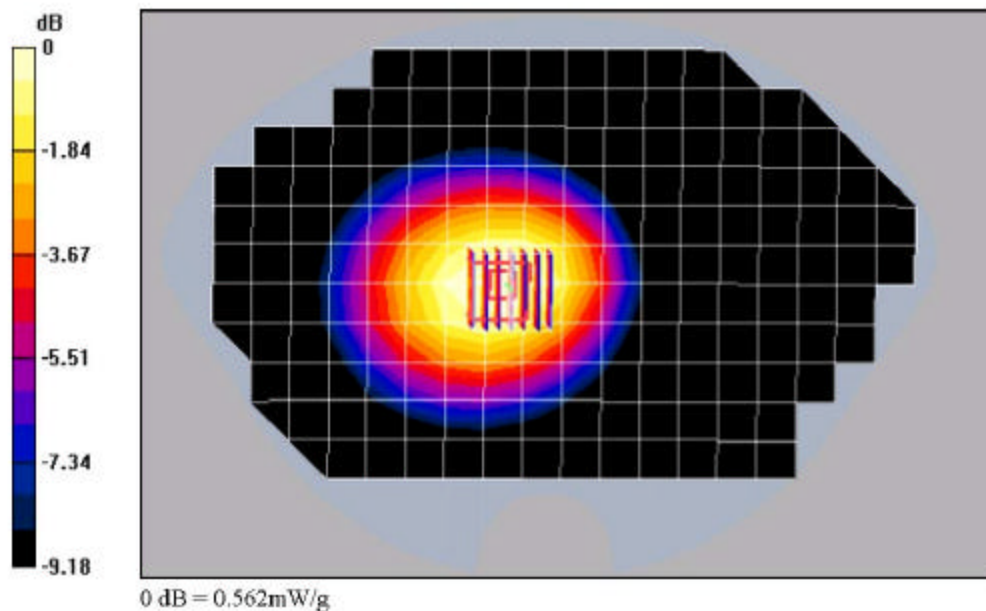
Reference Value = 21.5 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 0.637 mW/g

SAR(1 g) = 0.533 mW/g SAR(10 g) = 0.389 mW/g

Info: Interpolated medium parameters used for SAR evaluation!

Maximum value of SAR (measured) = 0.562 mW/g



Date/Time: 04/13/05 16:54:35

Test Laboratory: Kyocera

KX5-5C1 #R5NC AMPS ch991 Flat with Plastic Holster, Extended Battery

Communication System: AMPS, Frequency: 824.04 MHz, Duty Cycle: 1:1

Medium: M900, Medium parameters used (interpolated): $f = 824.04$ MHz, $\sigma = 0.99$ mho/m, $\epsilon_r = 54.5$, $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(6.17, 6.17, 6.17), Calibrated: 9/2/2004

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

Electronics: DAB4 Sn602, Calibrated: 8/27/2004

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.3 Build 130

Temperature

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

AMPS FLAT Ch991/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

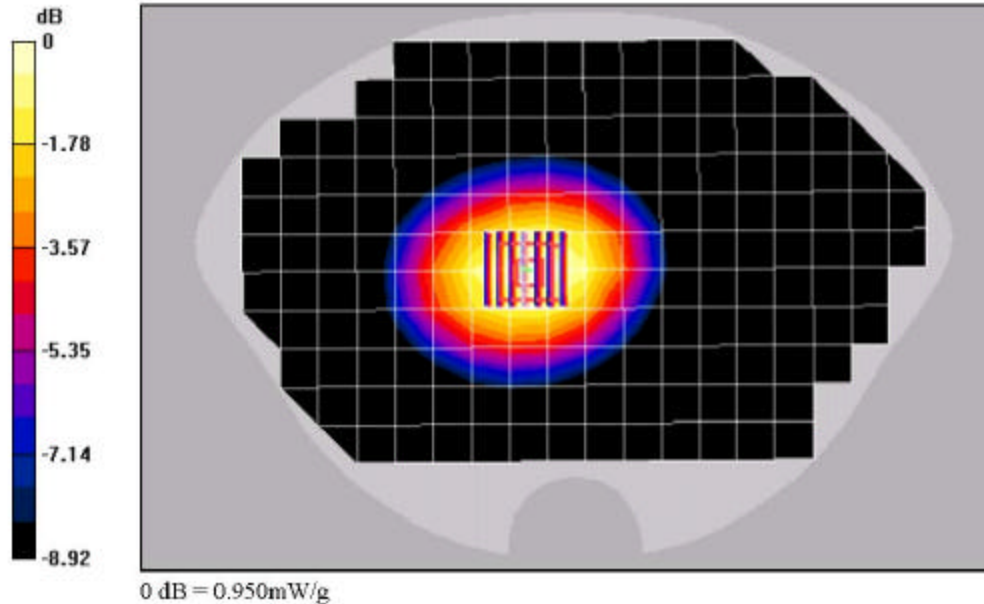
Reference Value = 29.7 V/m, Power Drift = -0.0 dB

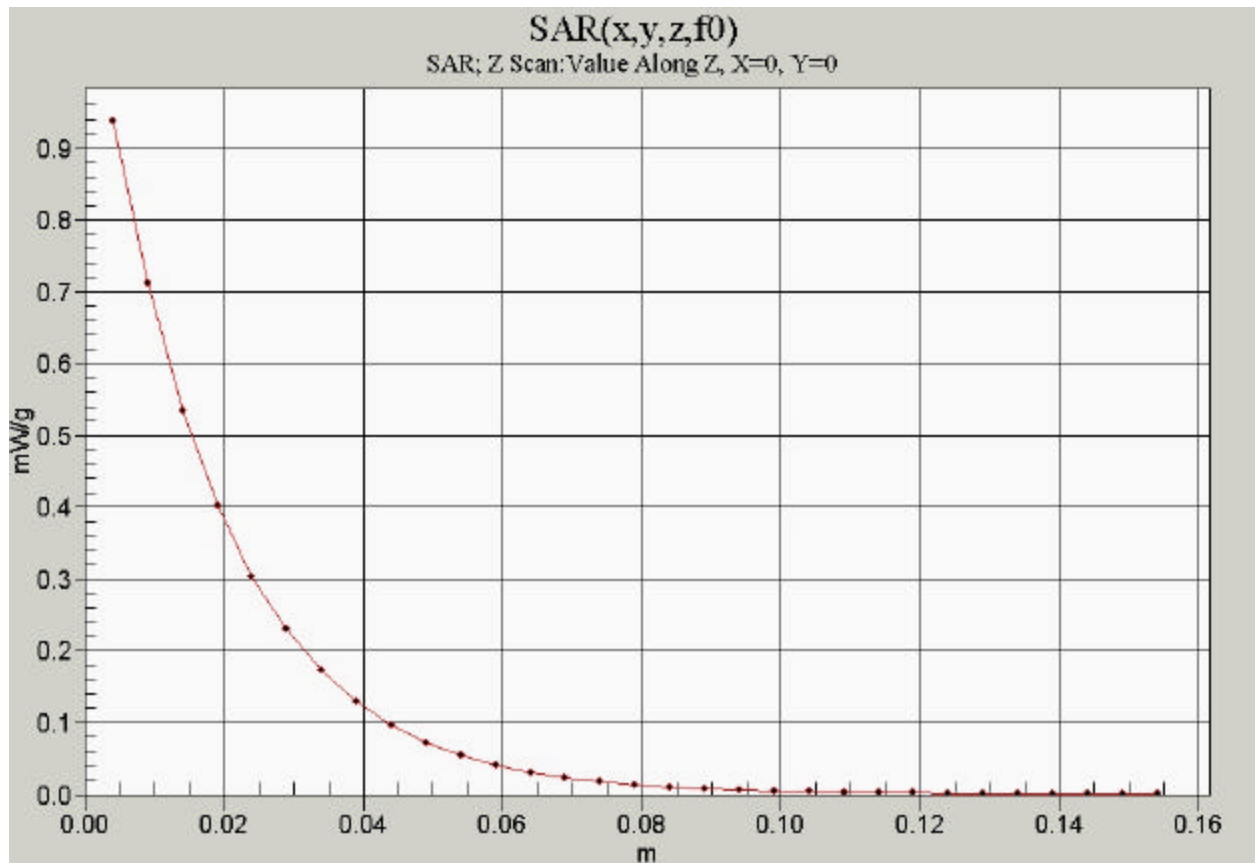
Peak SAR (extrapolated) = 1.14 W/kg

SAR(1g) = 0.894 mW/g SAR(10g) = 0.650 mW/g

Info: Interpolated medium parameters used for SAR evaluation!

Maximum value of SAR (measured) = 0.950 mW/g





Date/Time: 04/16/05 11:45:38

Test Laboratory: Kyocera

KX5-5C0 #R6JD CDMA-800 ch383 Flat with 25mm Air Separation,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; $\epsilon_r = 55$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConnF(6.17, 6.17, 6.17), Calibrated: 9/2/2004

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

Electronics: DAB4 Sn602, Calibrated: 8/27/2004

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.3 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

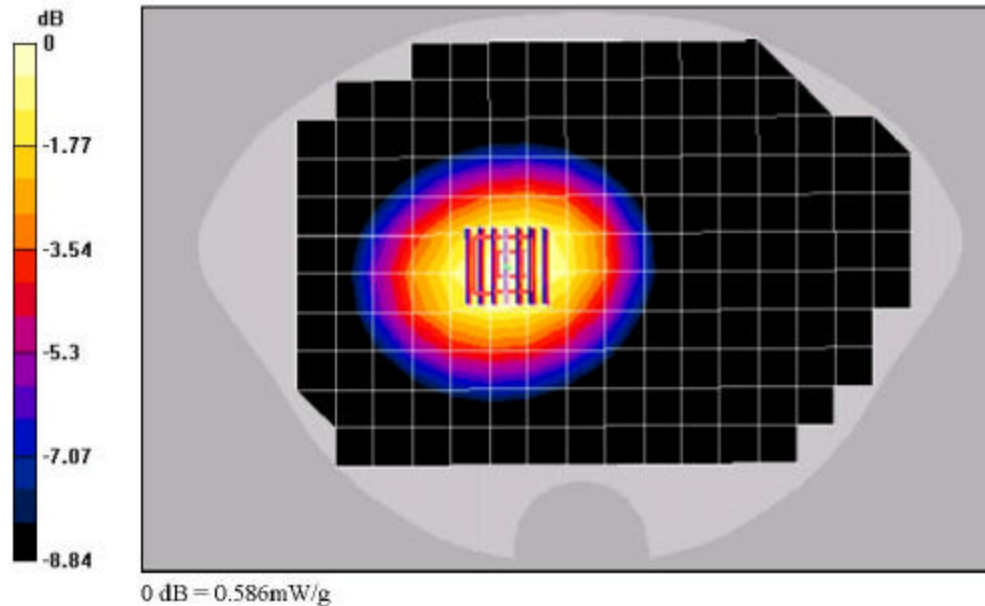
Reference Value = 20.5 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.727 W/kg

SAR(1g) = 0.548 mW/g; SAR(10g) = 0.306 mW/g

Info: Interpolated medium parameters used for SAR evaluation!

Maximum value of SAR (measured) = 0.586 mW/g



Date/Time: 04/16/05 05:28:38

Test Laboratory: Kyocera

KX5-5C0 #R6JD 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, $\epsilon_r = 55$, $\rho = 1000$ kg/m³

Phantom: SAM 1.2 Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(6.17, 6.17, 6.17), Calibrated: 9/2/2004

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

Electronics: DAE4 Sn602, Calibrated: 8/27/2004

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

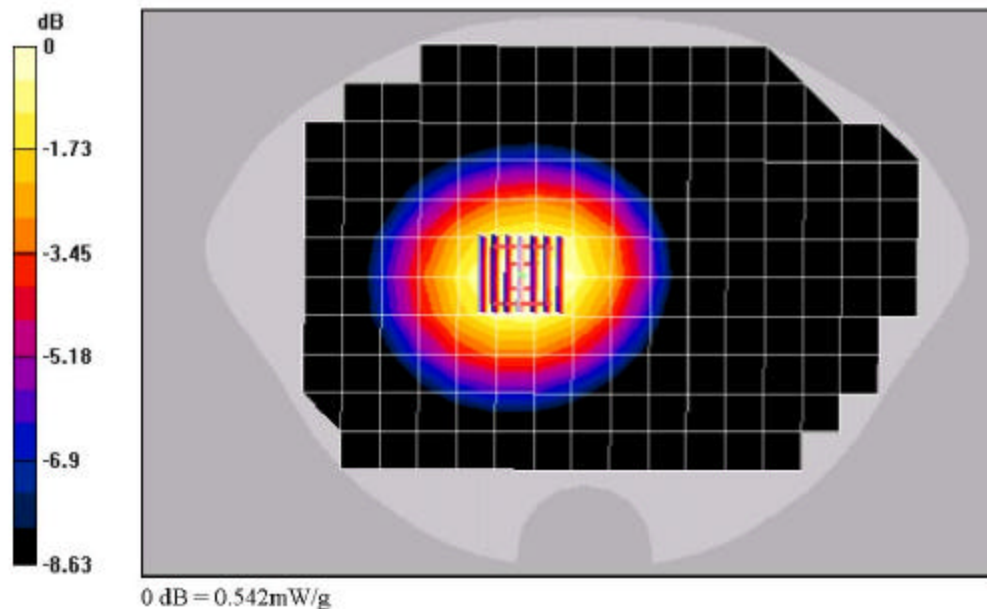
Reference Value = 21.4 V/m, Power Dcft = -0.1 dB

Peak SAR (extrapolated) = 0.655 W/kg

SAR(1g) = 0.510 mW/g SAR(10g) = 0.373 mW/g

Info: Interpolated medium parameters used for SAR evaluation!

Maximum value of SAR (measured) = 0.542 mW/g



Date/Time: 04/13/05 18:45:38

Test Laboratory: Kyocera

KX5-5C0 #R6JD CDMA-800 ch1013 Flat with Plastic Holster, Extended Battery

Communication System: CDMA-800, Frequency: 324.7 MHz, Duty Cycle: 1:1

Medium: M900, Medium parameters used (interpolated): $f = 324.7$ MHz, $\sigma = 0.99$ mho/m, $\epsilon_r = 54.5$, $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(6.17, 6.17, 6.17), Calibrated: 9/2/2004

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

Electronics: DAE4 Sn602, Calibrated: 8/27/2004

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

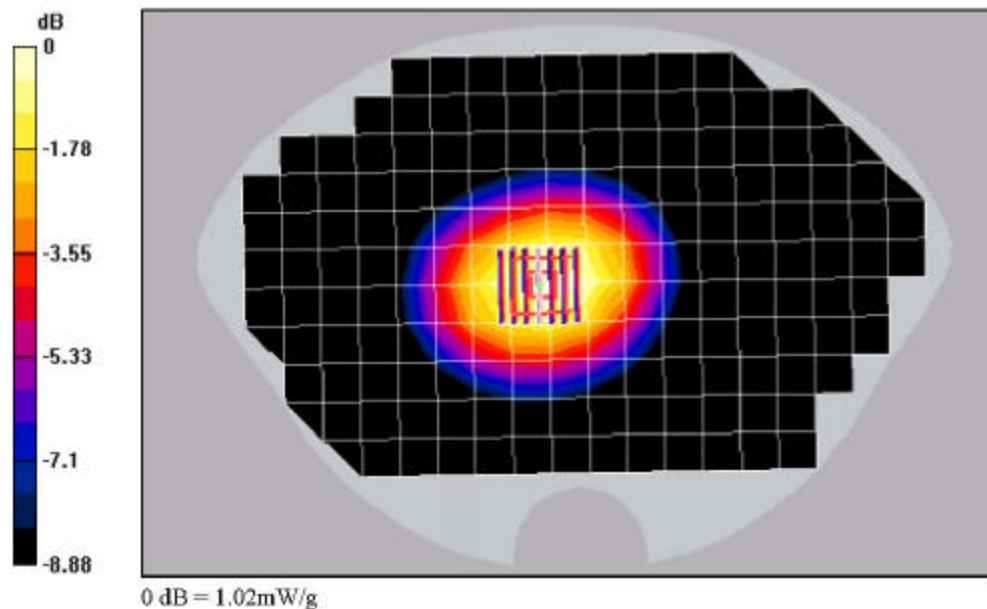
Reference Value = 32.1 V/m, Power Dcft = -0.2 dB

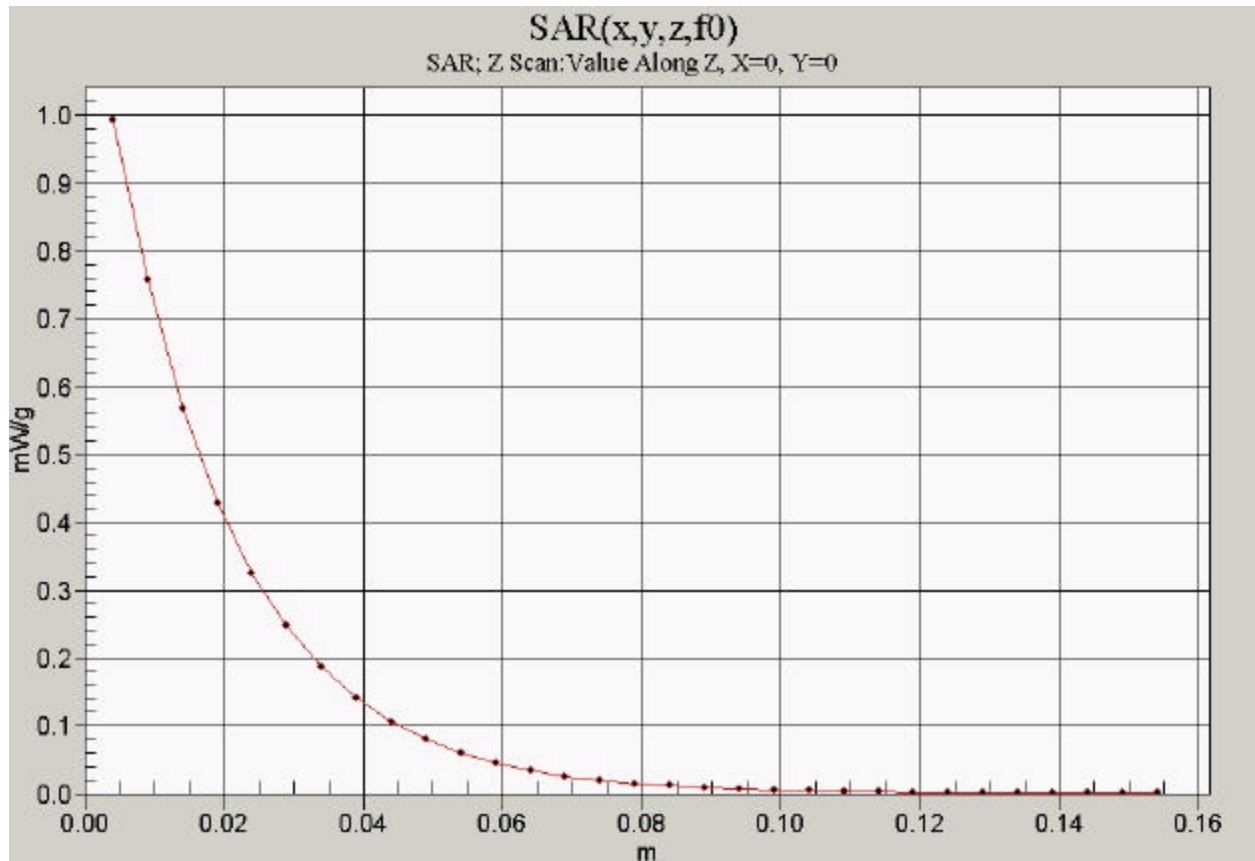
Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.959 mW/g SAR(10 g) = 0.693 mW/g

Info: Interpolated medium parameters used for SAR evaluation!

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





Date/Time: 04/15/05 16:32:43

Test Laboratory: Kyocera

KX5-5C0 #R6JD CDMA-1900 ch600 Flat with 25mm Air Separation

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

Medium: M1800, Medium parameters used: $f = 1880 \text{ MHz}$, $\sigma = 1.44 \text{ mho/m}$, $\epsilon_r = 54.3$, $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(4.72, 4.72, 4.72), Calibrated: 9/2/2004

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

Electronics: DAE4 Sn602, Calibrated: 8/17/2004

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

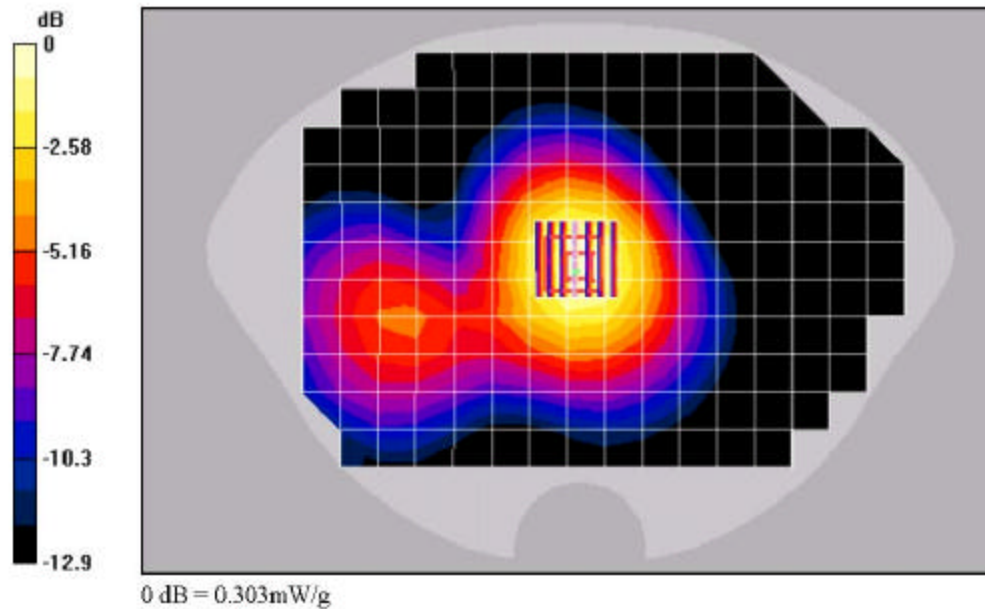
CDMA-1900 FLAT Ch600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.5 V/m, Power Drift = 0.1 dB

Peak SAR (extrapolated) = 0.443 W/kg

SAR(1 g) = 0.278 mW/g, SAR(10 g) = 0.182 mW/g

Maximum value of SAR (measured) = 0.503 mW/g



Date/Time: 04/15/05 15:36:53

Test Laboratory: Kyocera

KX5-5C0 #R6JD CDMA-1900 ch600 FLAT with Leather Case

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

Medium: MI300, Medium parameters used: $f = 1880$ MHz, $\sigma = 1.44$ mho/m, $\epsilon_r = 54.3$, $\rho = 1000$ kg/m³

Phantom: SAM I2, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(4.72, 4.72, 4.72), Calibrated: 9/2/2004

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

Electronics: DAE4 Sn602, Calibrated: 8/27/2004

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

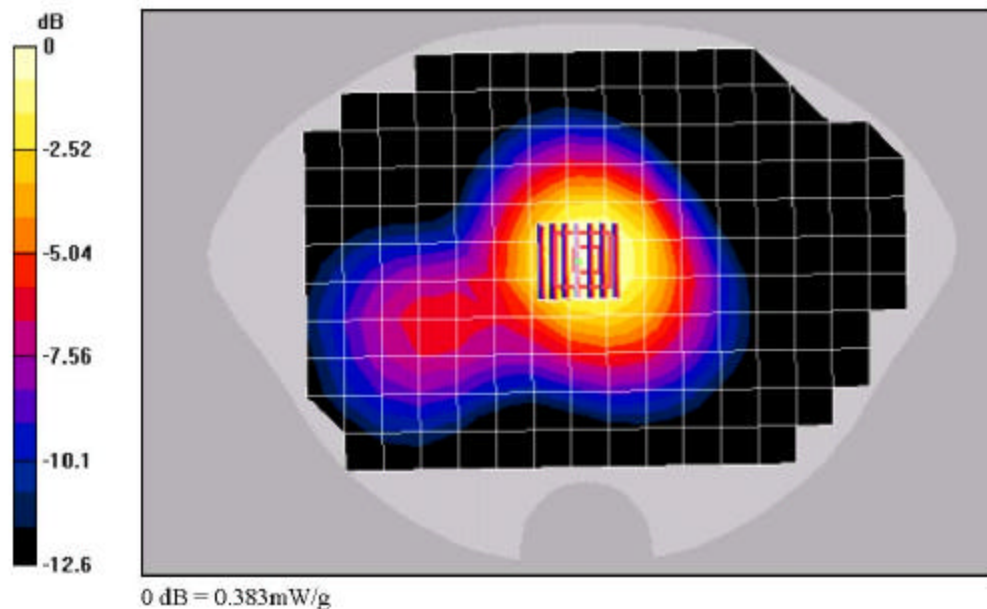
CDMA-1900 FLAT Ch600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17 V/m, Power Drift = -0.0 dB

Peak SAR (extrapolated) = 0.533 W/kg

SAR(1 g) = 0.358 mW/g SAR(10 g) = 0.232 mW/g

Maximum value of SAR (measured) = 0.363 mW/g



Date/Time: 04/15/05 10:45:49

Test Laboratory: Kyocera

KX5-5C1 #R5NC CDMA-1900 ch600 Flat with Plastic Holster

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

Medium: M1800, Medium parameters used: $f = 1880$ MHz, $\sigma = 1.44$ mho/m, $\epsilon_r = 54.3$, $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(4.72, 4.72, 4.72), Calibrated: 9/2/2004

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

Electronics: DAB Sn602, Calibrated: 8/27/2004

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.3 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 = 15.3 V/m, Power Drift = 0.0 dB

Peak SAR (extrapolated) = 0.632 W/kg

SAR(1 g) = 0.414 mW/g SAR(10 g) = 0.266 mW/g

Maximum value of SAR (measured) = 0.442 mW/g

