

Appendix B2:
SAR Distribution Plots (Body)

Test Laboratory: Kyocera-Wireless Corp.

K27 #YMD8 CDMA-800 ch777 Flat with Phone Open and 15mm Air Space

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

Medium: M900, Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.955$ mho/m; $\epsilon_r = 55.7$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(6.43, 6.43, 6.43), Calibrated: 6/22/2006

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

Electronics: DAE4 Sn527, Calibrated: 9/22/2005

Measurement SW: DASY4, V4.6 Build 23

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

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

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

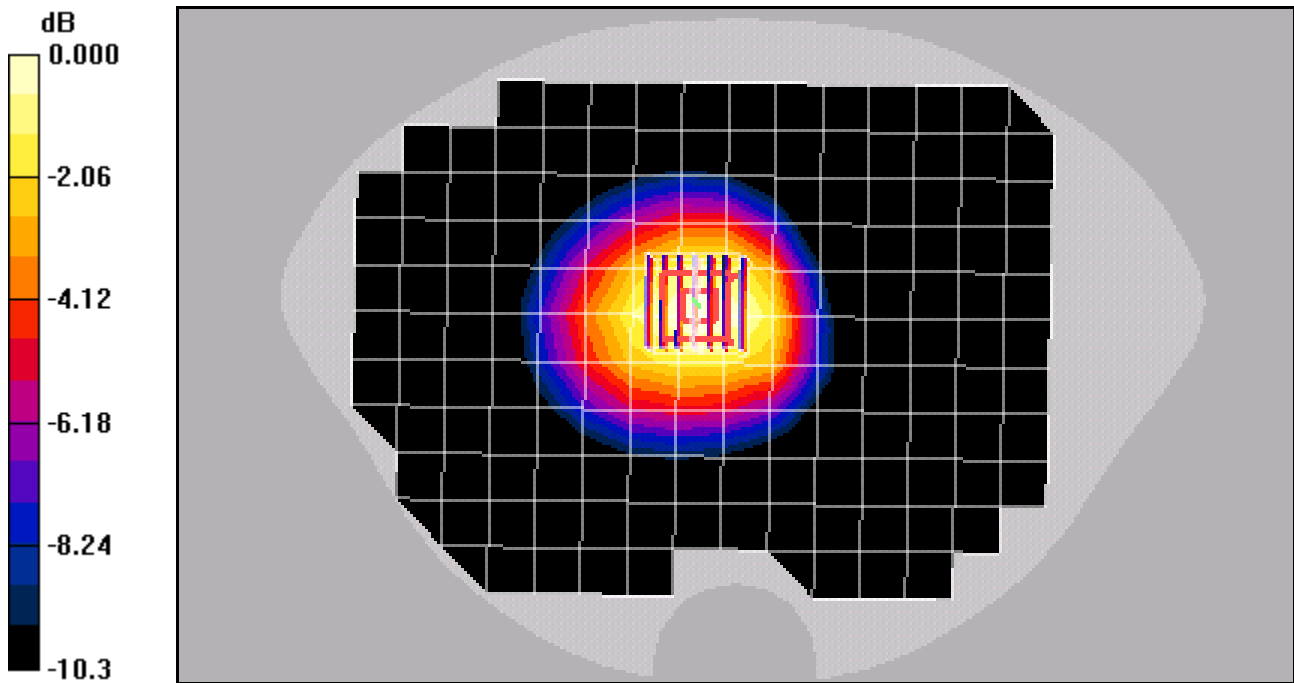
Reference Value = 34.5 V/m; Power Drift = -0.159 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.855 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

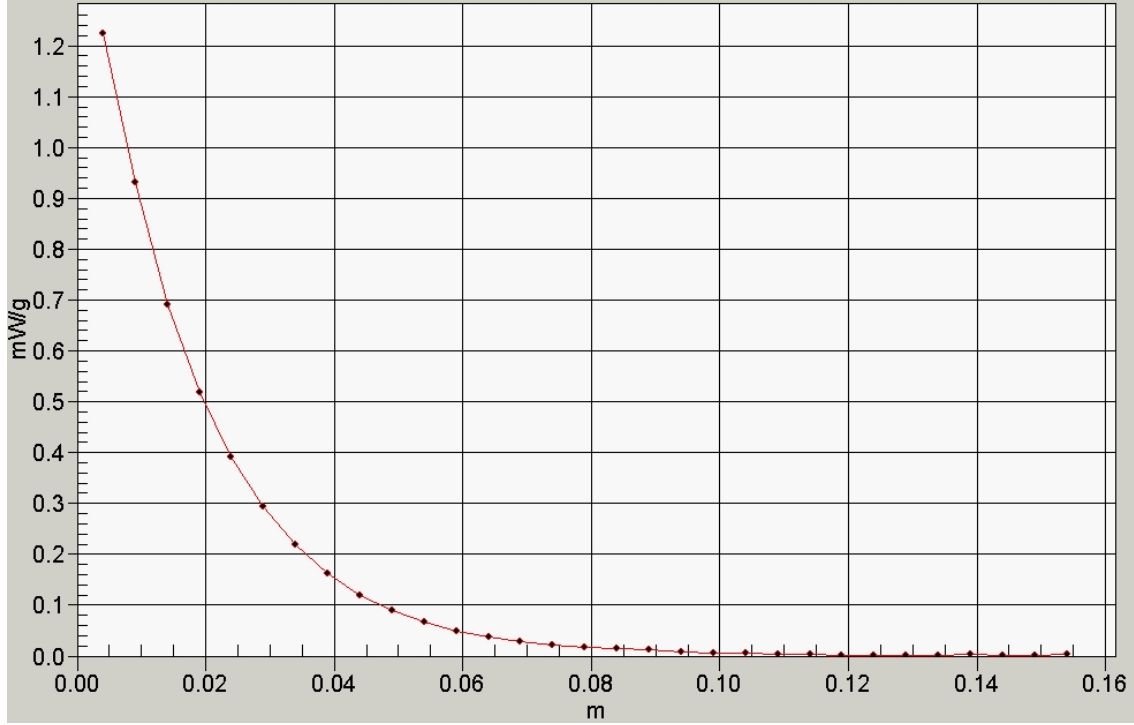
Maximum value of SAR (measured) = 1.28 mW/g



0 dB = 1.28mW/g

SAR(x,y,z,f0)

SAR; Z Scan: Value Along Z, X=0, Y=0



Test Laboratory: Kyocera-Wireless Corp.

K27 #YMD8 CDMA-800 ch383 Flat with Phone Closed and Mini Universal Pouch

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

Medium: M900, Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.955$ mho/m; $\epsilon_r = 55.7$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(6.43, 6.43, 6.43), Calibrated: 6/22/2006

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

Electronics: DAE4 Sn527, Calibrated: 9/22/2005

Measurement SW: DASY4, V4.6 Build 23

Postprocessing SW: SEMCAD, V1.8 Build 160

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

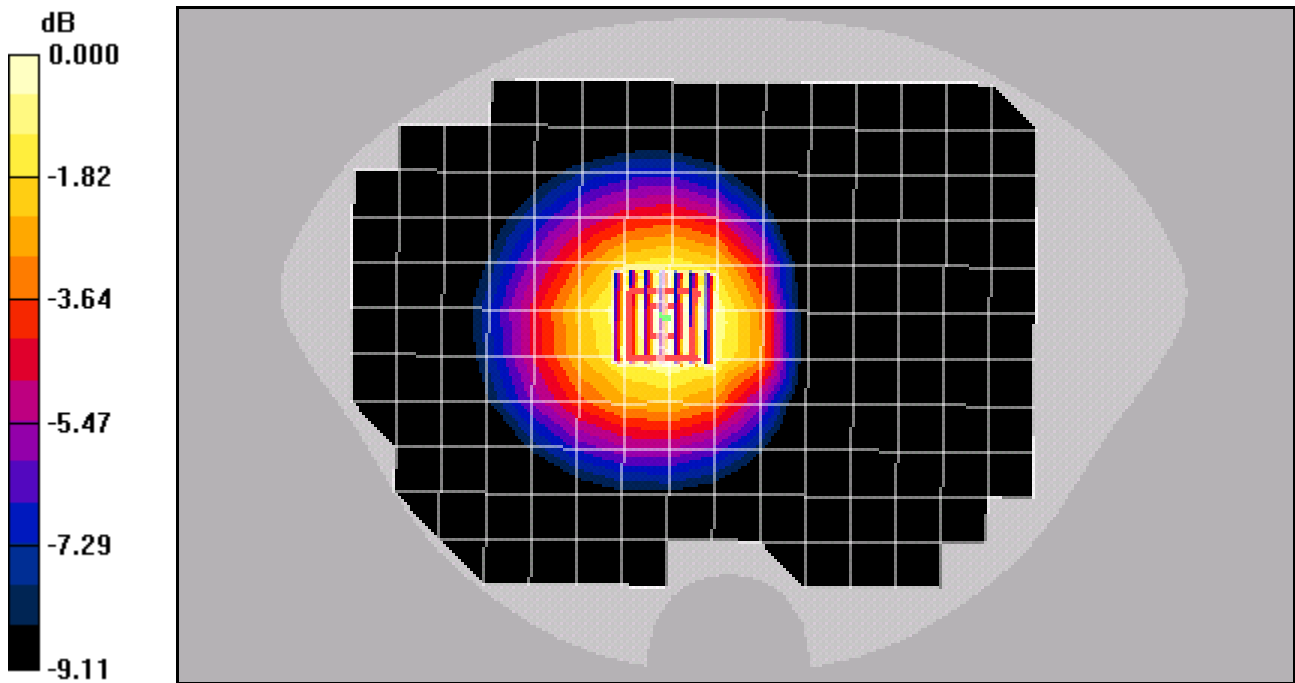
Reference Value = 20.4 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 0.539 W/kg

SAR(1 g) = 0.434 mW/g; SAR(10 g) = 0.318 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.461 mW/g



0 dB = 0.461mW/g

Test Laboratory: Kyocera-Wireless Corp.

K27 #YMD8 CDMA-800 ch383 Flat with Phone Closed and CV90-M2834-01

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

Medium: M900, Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.955$ mho/m; $\epsilon_r = 55.7$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(6.43, 6.43, 6.43), Calibrated: 6/22/2006

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

Electronics: DAE4 Sn527, Calibrated: 9/22/2005

Measurement SW: DASY4, V4.6 Build 23

Postprocessing SW: SEMCAD, V1.8 Build 160

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

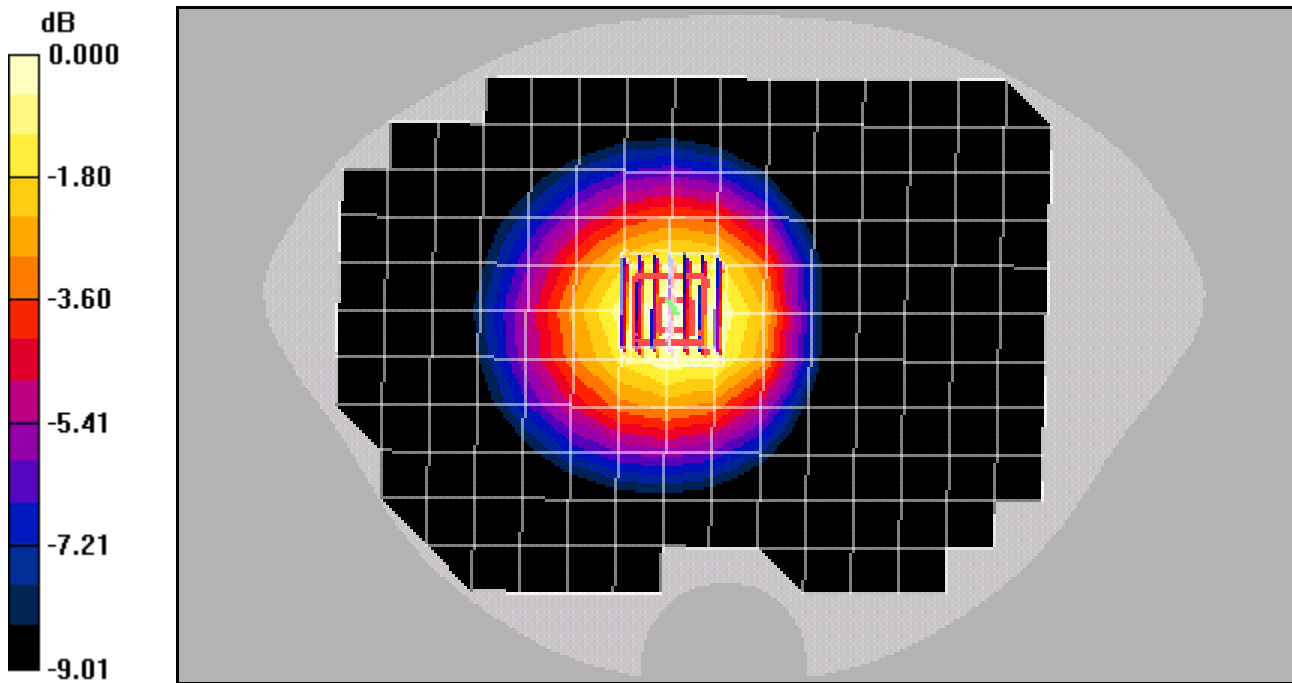
Reference Value = 19.4 V/m; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 0.469 W/kg

SAR(1 g) = 0.382 mW/g; SAR(10 g) = 0.281 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.404 mW/g



0 dB = 0.404mW/g

Test Laboratory: Kyocera-Wireless Corp.

K27 #YMD8 PCS ch600 Flat with Phone Open and 15mm Air Space

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

Medium: M1800, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(4.57, 4.57, 4.57), Calibrated: 6/22/2006

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

Electronics: DAE4 Sn527, Calibrated: 9/22/2005

Measurement SW: DASY4, V4.6 Build 23

Postprocessing SW: SEMCAD, V1.8 Build 160

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 = 12.9 V/m; Power Drift = 0.236 dB

Peak SAR (extrapolated) = 0.509 W/kg

SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.223 mW/g

Maximum value of SAR (measured) = 0.362 mW/g

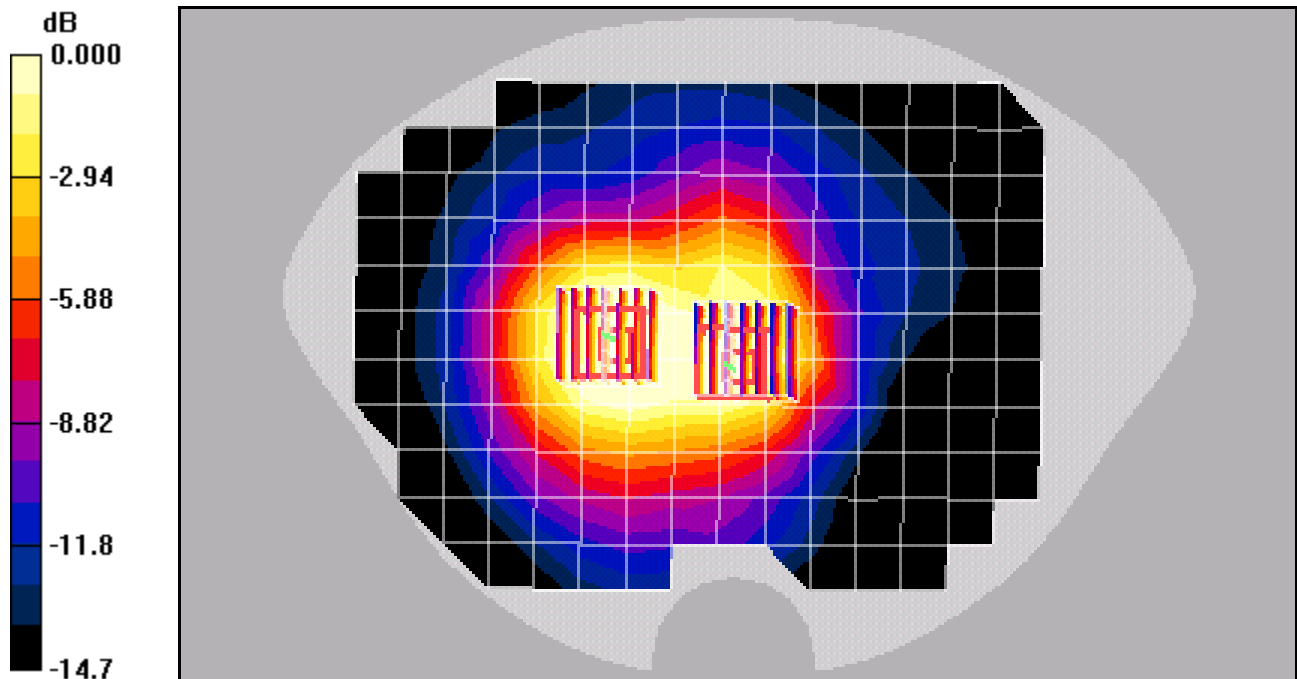
CDMA-1900 FLAT Ch600/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.9 V/m; Power Drift = 0.236 dB

Peak SAR (extrapolated) = 0.356 W/kg

SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.147 mW/g

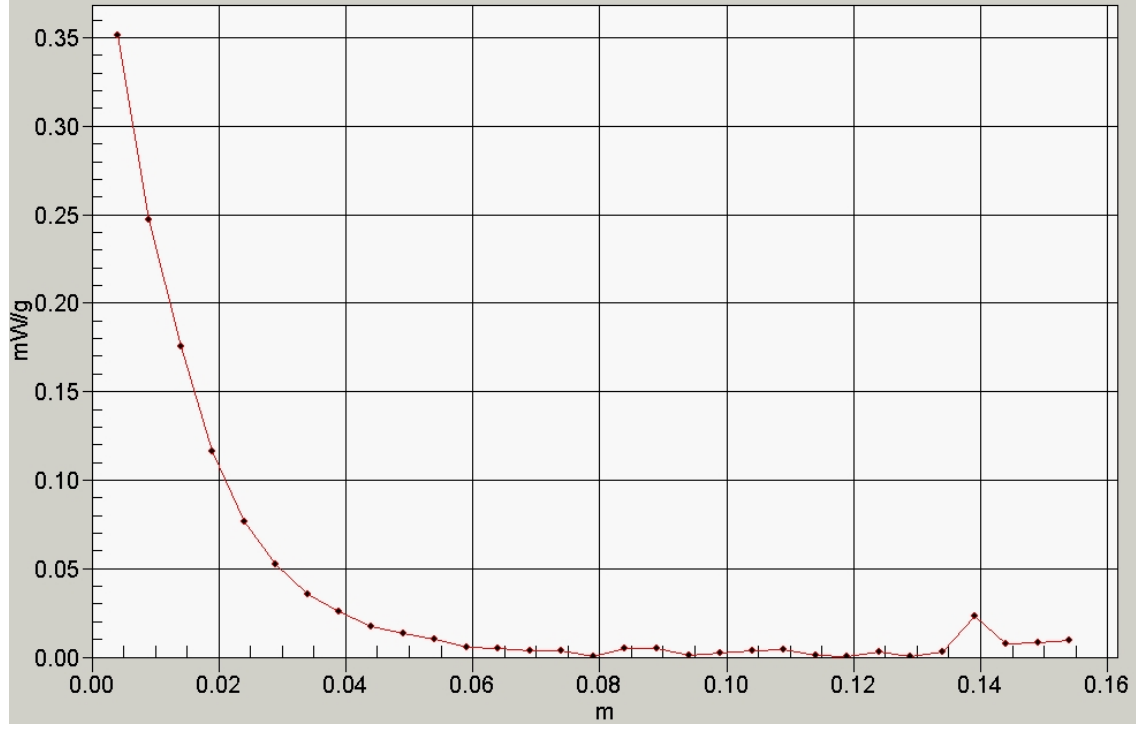
Maximum value of SAR (measured) = 0.247 mW/g



0 dB = 0.247mW/g

SAR(x,y,z,f0)

SAR; Z Scan: Value Along Z, X=0, Y=0



Test Laboratory: Kyocera-Wireless Corp.

K27 #YMD8 PCS ch600 Flat with Phone Closed and Mini Universal Pouch

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

Medium: M1800, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(4.57, 4.57, 4.57), Calibrated: 6/22/2006

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

Electronics: DAE4 Sn527, Calibrated: 9/22/2005

Measurement SW: DASY4, V4.6 Build 23

Postprocessing SW: SEMCAD, V1.8 Build 160

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 = 11.2 V/m; Power Drift = -0.151 dB

Peak SAR (extrapolated) = 0.235 W/kg

SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.098 mW/g

Maximum value of SAR (measured) = 0.163 mW/g

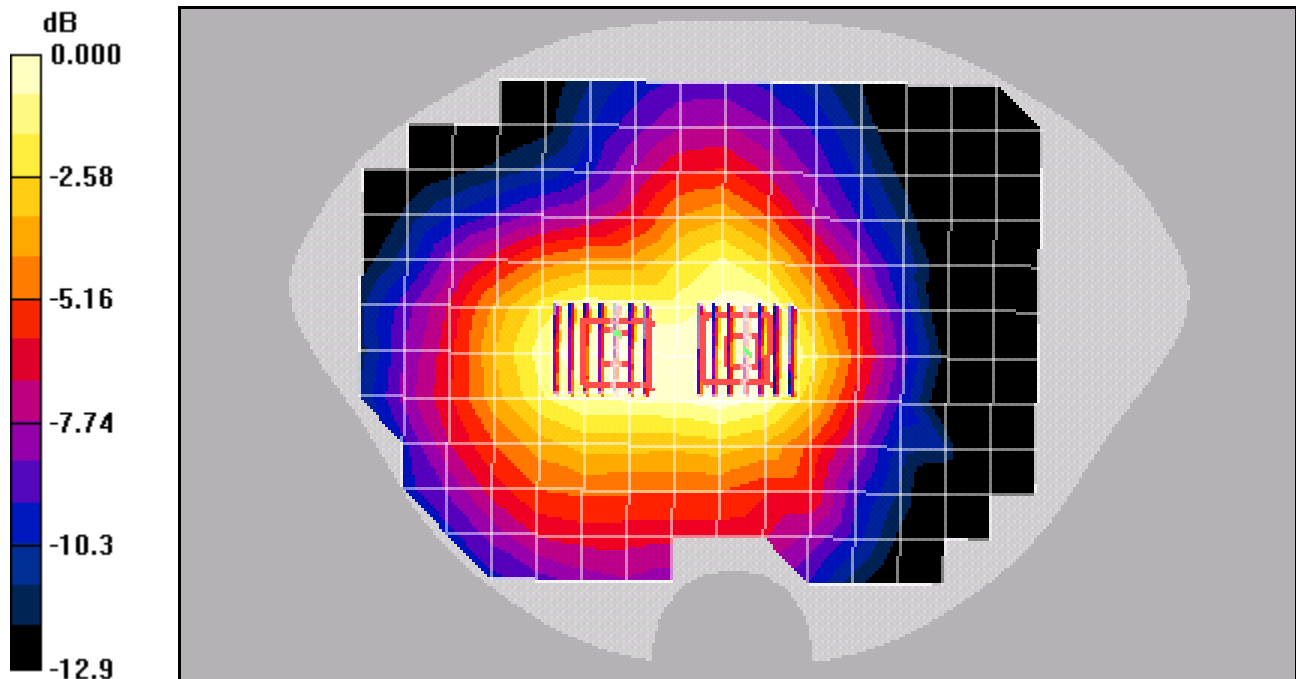
CDMA-1900 FLAT Ch600/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = -0.151 dB

Peak SAR (extrapolated) = 0.181 W/kg

SAR(1 g) = 0.123 mW/g; SAR(10 g) = 0.084 mW/g

Maximum value of SAR (measured) = 0.130 mW/g



0 dB = 0.130mW/g

Test Laboratory: Kyocera-Wireless Corp.

K27 #YMD8 PCS ch600 Flat with Phone Closed and CV90-M2834-01

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

Medium: M1800, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(4.57, 4.57, 4.57), Calibrated: 6/22/2006

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

Electronics: DAE4 Sn527, Calibrated: 9/22/2005

Measurement SW: DASY4, V4.6 Build 23

Postprocessing SW: SEMCAD, V1.8 Build 160

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 = 10.3 V/m; Power Drift = -0.147 dB

Peak SAR (extrapolated) = 0.202 W/kg

SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.082 mW/g

Maximum value of SAR (measured) = 0.135 mW/g

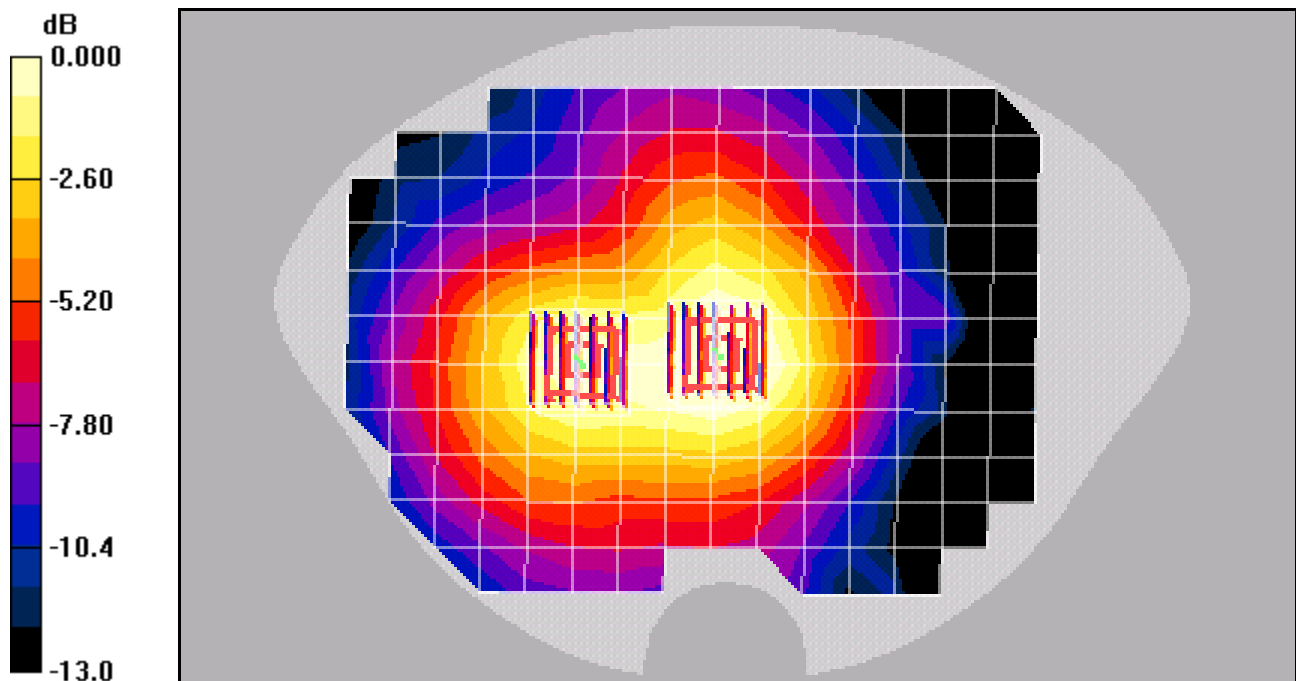
CDMA-1900 FLAT Ch600/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.3 V/m; Power Drift = -0.147 dB

Peak SAR (extrapolated) = 0.143 W/kg

SAR(1 g) = 0.101 mW/g; SAR(10 g) = 0.068 mW/g

Maximum value of SAR (measured) = 0.108 mW/g



0 dB = 0.108mW/g