

Appendix B2:
SAR Distribution Plots (Body)

Test Laboratory: Kyocera-Wireless Corp.

E1000 #1359 CDMA-800 Ch777 Flat Phone Open with 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; $\sigma = 0.97$ mho/m; $\epsilon_r = 55.3$; $\rho = 1000$ 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: DAE3 Sn493,Calibrated: 11/7/2006

Measurement SW: DASY4, V4.7 Build 53

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

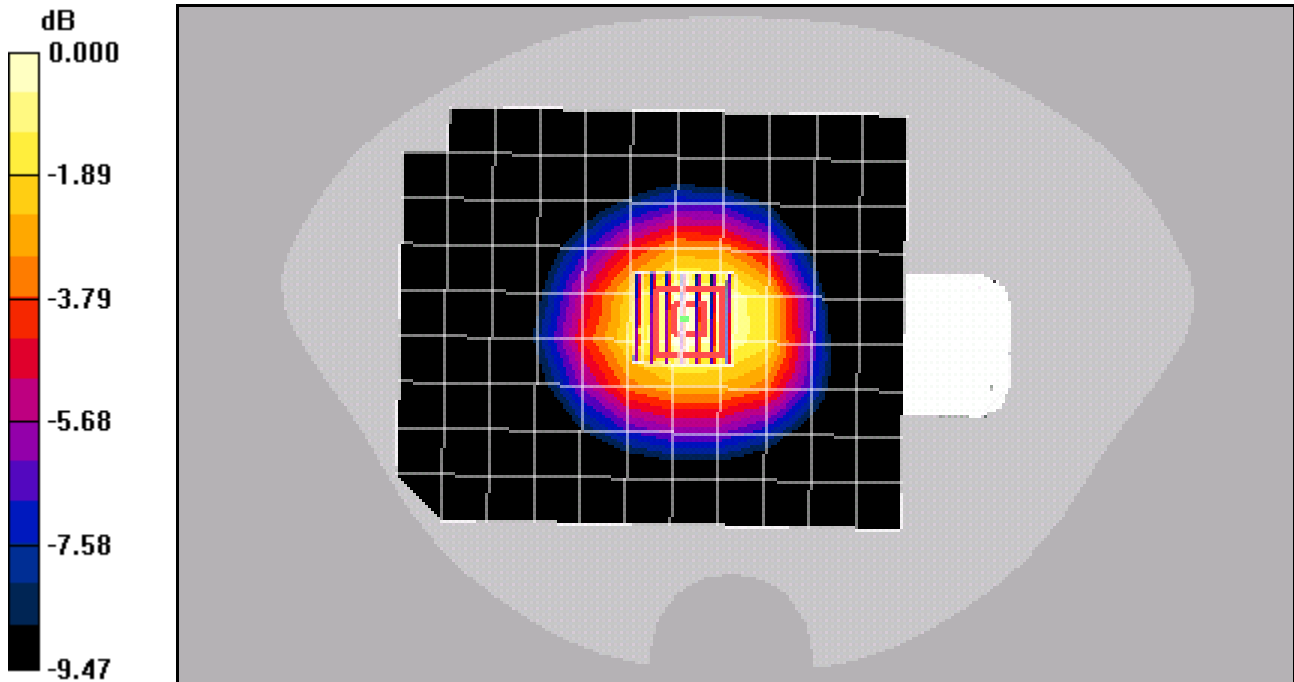
Reference Value = 30.2 V/m; Power Drift = -0.099 dB

Peak SAR (extrapolated) = 1.24 W/kg

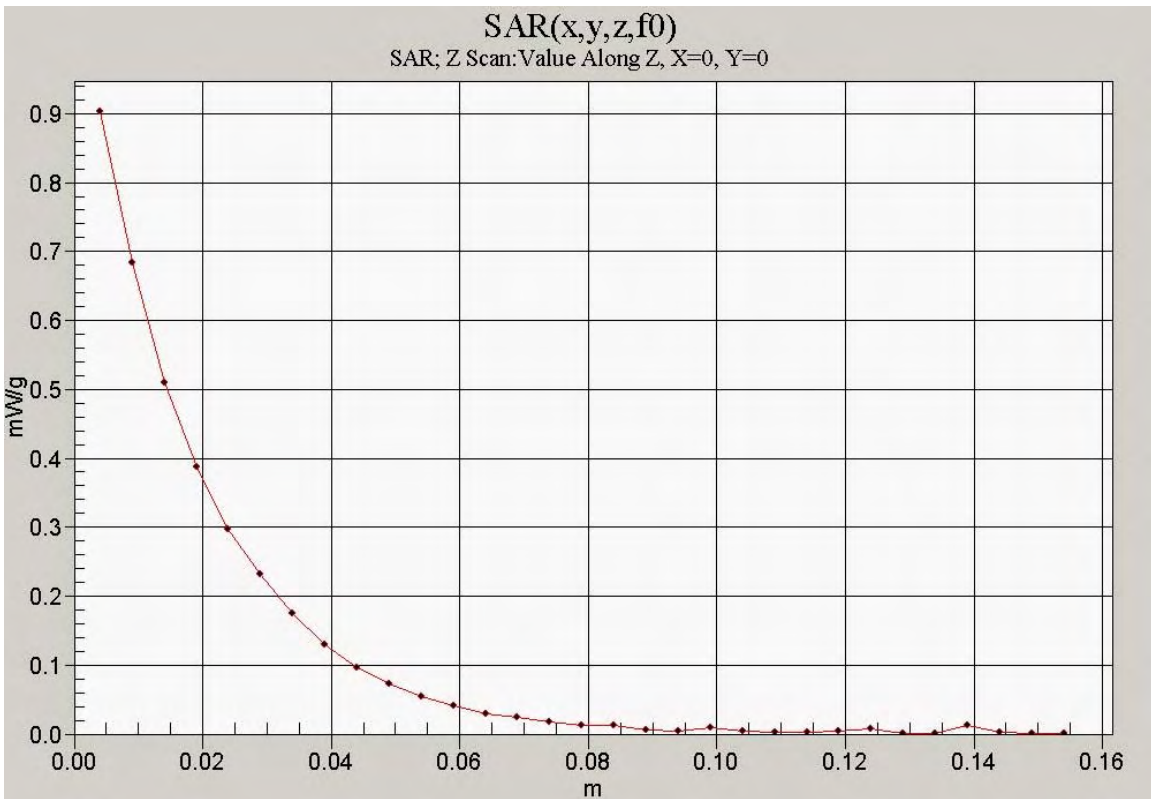
SAR(1 g) = 0.926 mW/g; SAR(10 g) = 0.659 mW/g

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

Maximum value of SAR (measured) = 0.995 mW/g



0 dB = 0.995mW/g



Test Laboratory: Kyocera-Wireless Corp.

E1000 #1359 CDMA-800 Ch383 Flat Phone Open with Standard Leather Case

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

Medium: M900,Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 55.3$; $\rho = 1000$ 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: DAE3 Sn493,Calibrated: 11/7/2006

Measurement SW: DASY4, V4.7 Build 53

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

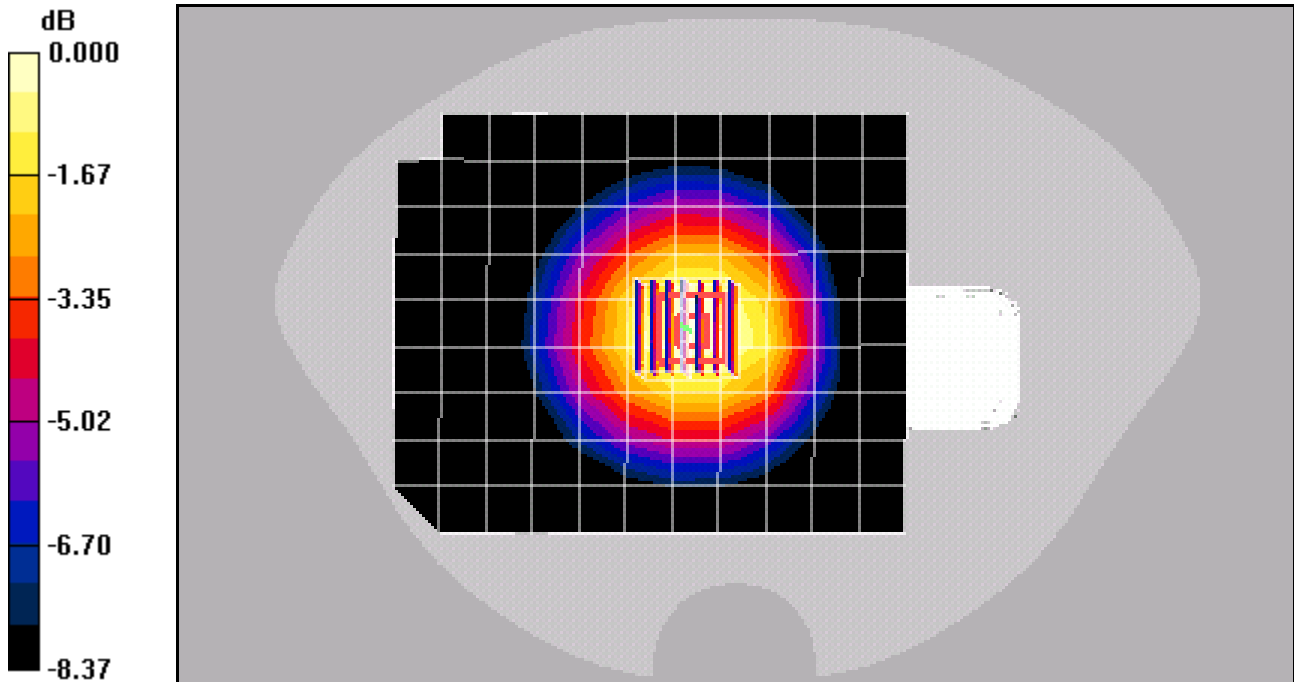
Reference Value = 18.4 V/m; Power Drift = -0.062 dB

Peak SAR (extrapolated) = 0.419 W/kg

SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.251 mW/g

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

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



0 dB = 0.362mW/g

Test Laboratory: Kyocera-Wireless Corp.

E1000 #1359 CDMA-800 Ch383 Flat Phone Closed with 15mm Air Space

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

Medium: M900,Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 55.3$; $\rho = 1000$ 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: DAE3 Sn493,Calibrated: 11/7/2006

Measurement SW: DASY4, V4.7 Build 53

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

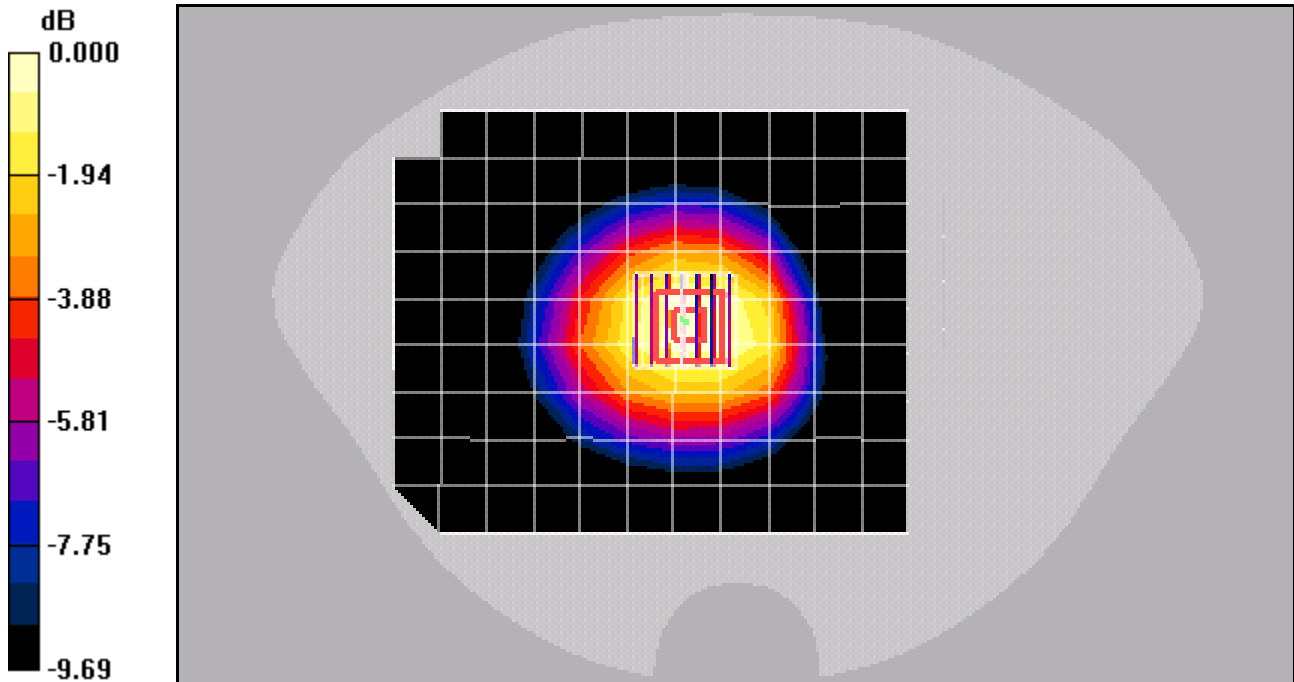
Reference Value = 27.4 V/m; Power Drift = 0.007 dB

Peak SAR (extrapolated) = 0.913 W/kg

SAR(1 g) = 0.722 mW/g; SAR(10 g) = 0.524 mW/g

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

Maximum value of SAR (measured) = 0.769 mW/g



0 dB = 0.769mW/g

Test Laboratory: Kyocera_wireless Corp.

E1000 #1359 CDMA-800 Ch383 Flat Phone Closed with CV90-61344

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

Medium: M900,Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 55.3$; $\rho = 1000$ 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: DAE3 Sn493,Calibrated: 11/7/2006

Measurement SW: DASY4, V4.7 Build 53

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

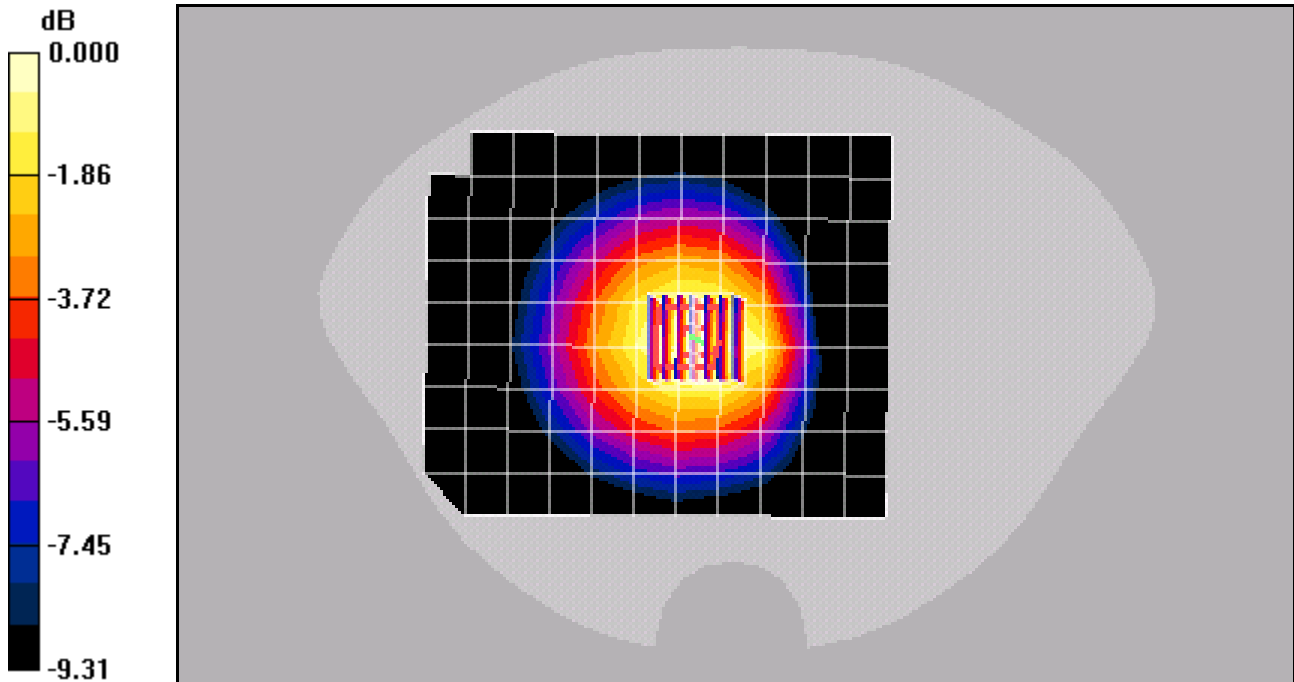
Reference Value = 19.8 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 0.472 W/kg

SAR(1 g) = 0.372 mW/g; SAR(10 g) = 0.274 mW/g

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

Maximum value of SAR (measured) = 0.391 mW/g



0 dB = 0.391mW/g

Test Laboratory: Kyocera-Wireless Corp.

E1000 #1359 CDMA-800 Ch383 Flat Phone Closed with Standard Leather Case

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

Medium: M900,Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 55.3$; $\rho = 1000$ 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: DAE3 Sn493,Calibrated: 11/7/2006

Measurement SW: DASY4, V4.7 Build 53

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

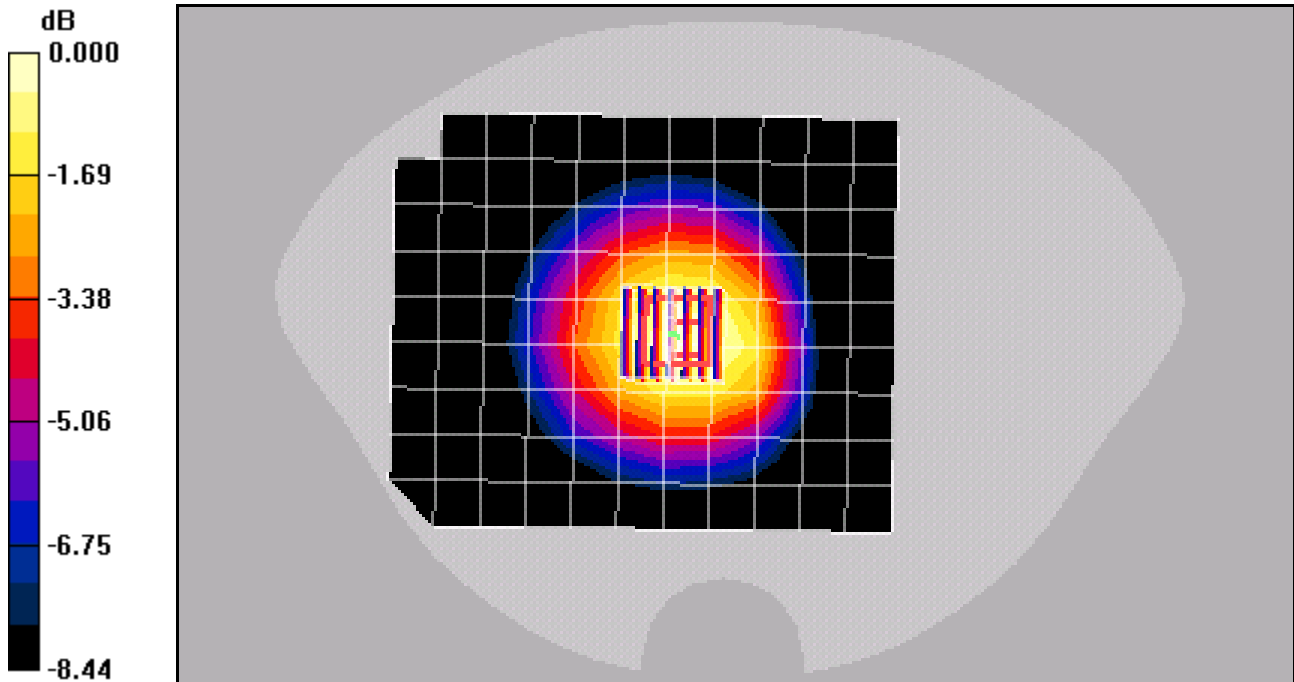
Reference Value = 19.3 V/m; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 0.426 W/kg

SAR(1 g) = 0.349 mW/g; SAR(10 g) = 0.259 mW/g

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

Maximum value of SAR (measured) = 0.370 mW/g



0 dB = 0.370mW/g

Test Laboratory: Kyocera-Wireless Corp.

E1000 #1359 CDMA-800 Ch777 Flat Phone Closed with Holster and Bluetooth on

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

Medium: M900,Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ 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: DAE3 Sn493,Calibrated: 11/7/2006

Measurement SW: DASY4, V4.7 Build 53

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

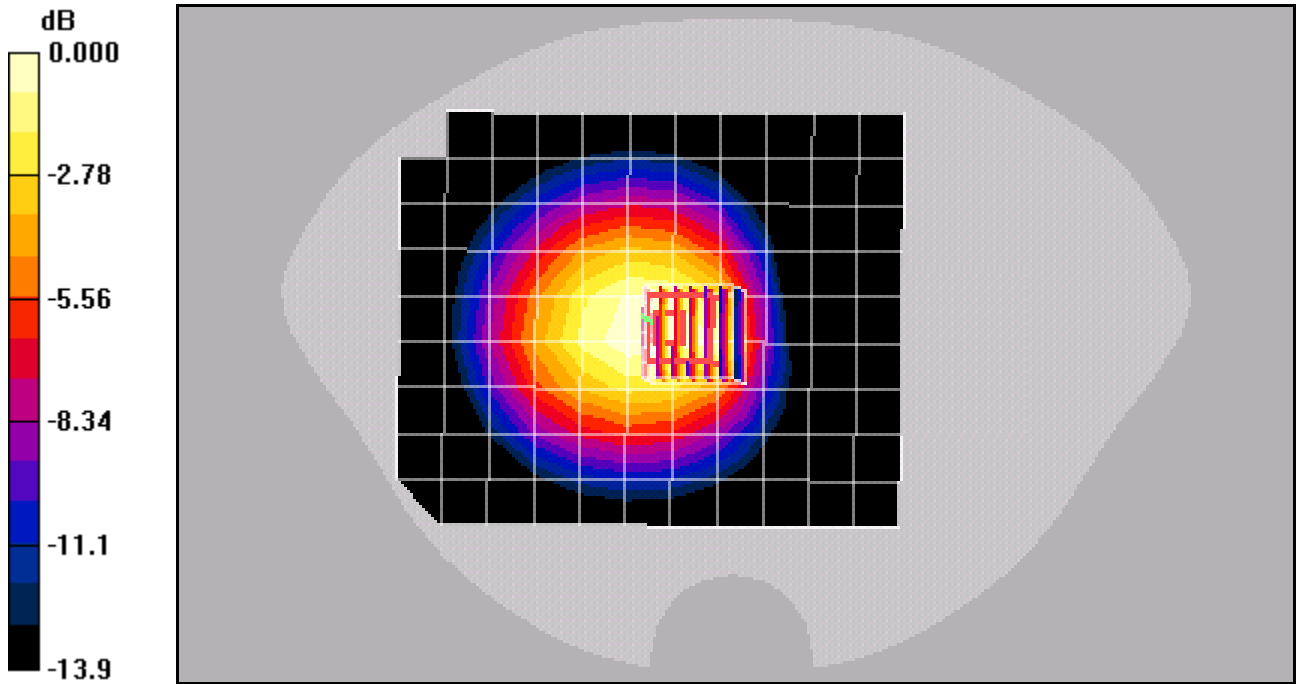
Reference Value = 31.5 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 2.33 W/kg

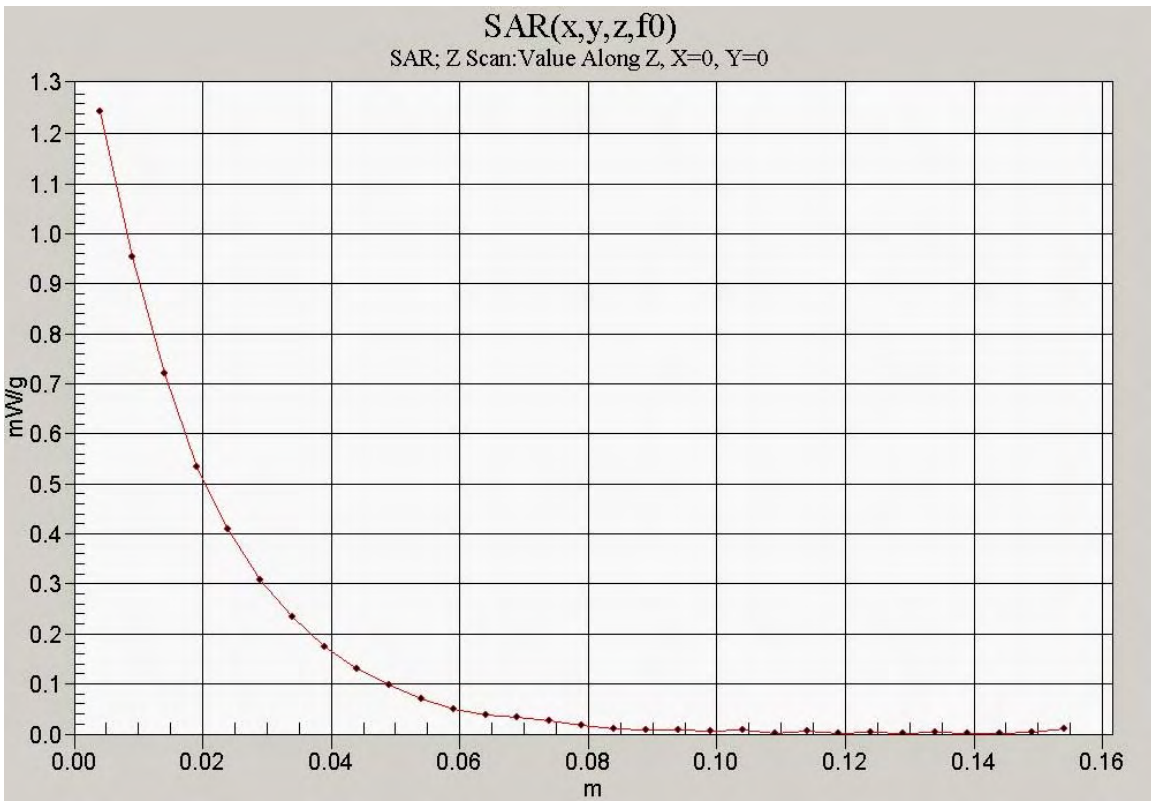
SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.807 mW/g

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

Maximum value of SAR (measured) = 1.34 mW/g



0 dB = 1.34mW/g



Test Laboratory: Kyocera-Wireless Corp.

E1000 #1359 CDMA-1900 Ch600 Flat Phone Open with 15mm Air Space and Bluetooth on

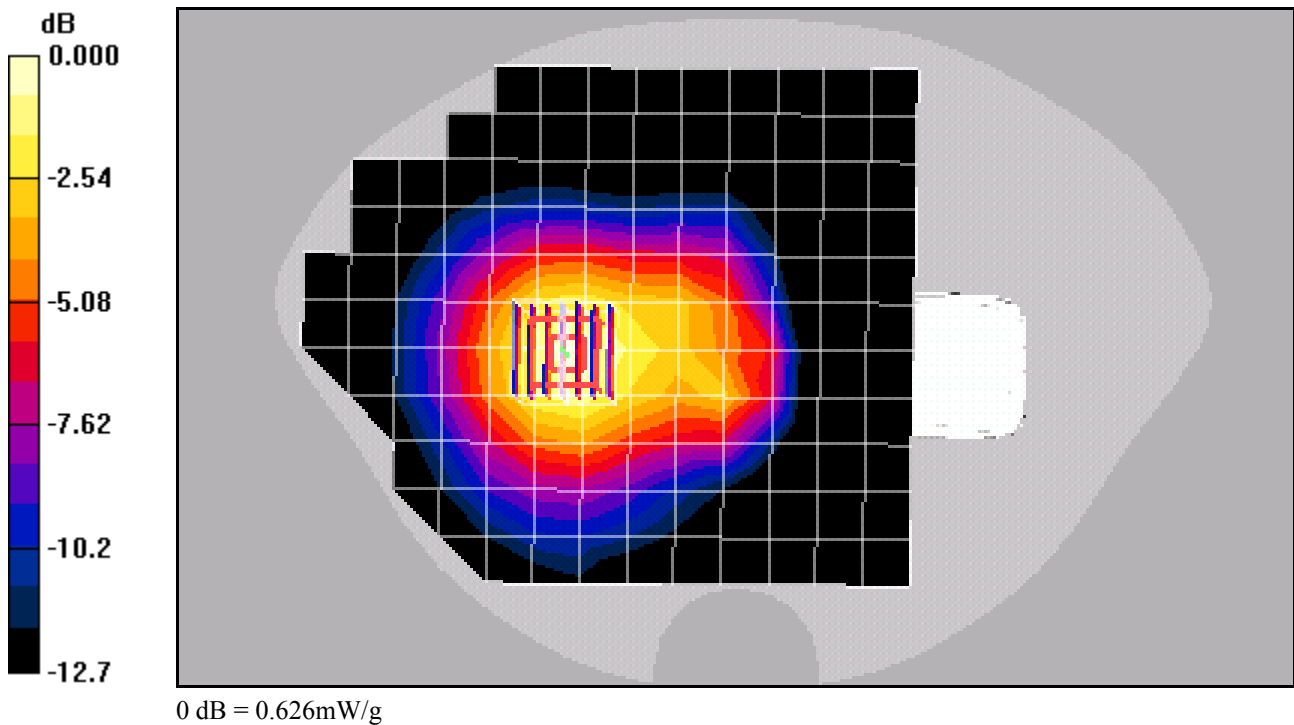
Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: M1800, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³
Phantom: SAM 12, Phantom section: Flat Section

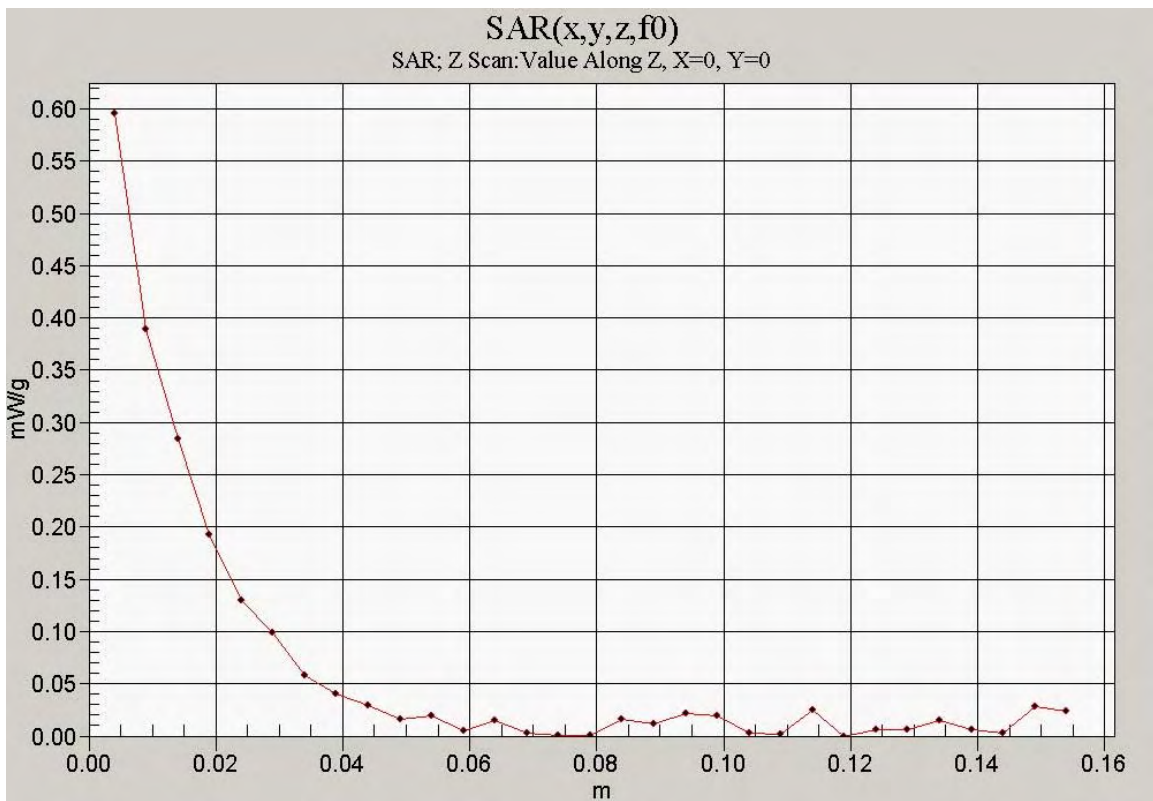
DASY4 Configuration:
Probe: ET3DV6 - SN1664, ConvF(4.57, 4.57, 4.57), Calibrated: 6/22/2006
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn493, Calibrated: 11/7/2006
Measurement SW: DASY4, V4.7 Build 53
Postprocessing SW: SEMCAD, V1.8 Build 160

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 = 12.5 V/m; Power Drift = -0.050 dB
Peak SAR (extrapolated) = 0.894 W/kg
SAR(1 g) = 0.577 mW/g; SAR(10 g) = 0.374 mW/g
Maximum value of SAR (measured) = 0.626 mW/g





Test Laboratory: Kyocera-Wireless Corp.

E1000 #1359 CDMA-1900 Ch600 Flat Phone Open with Standard Leather Case

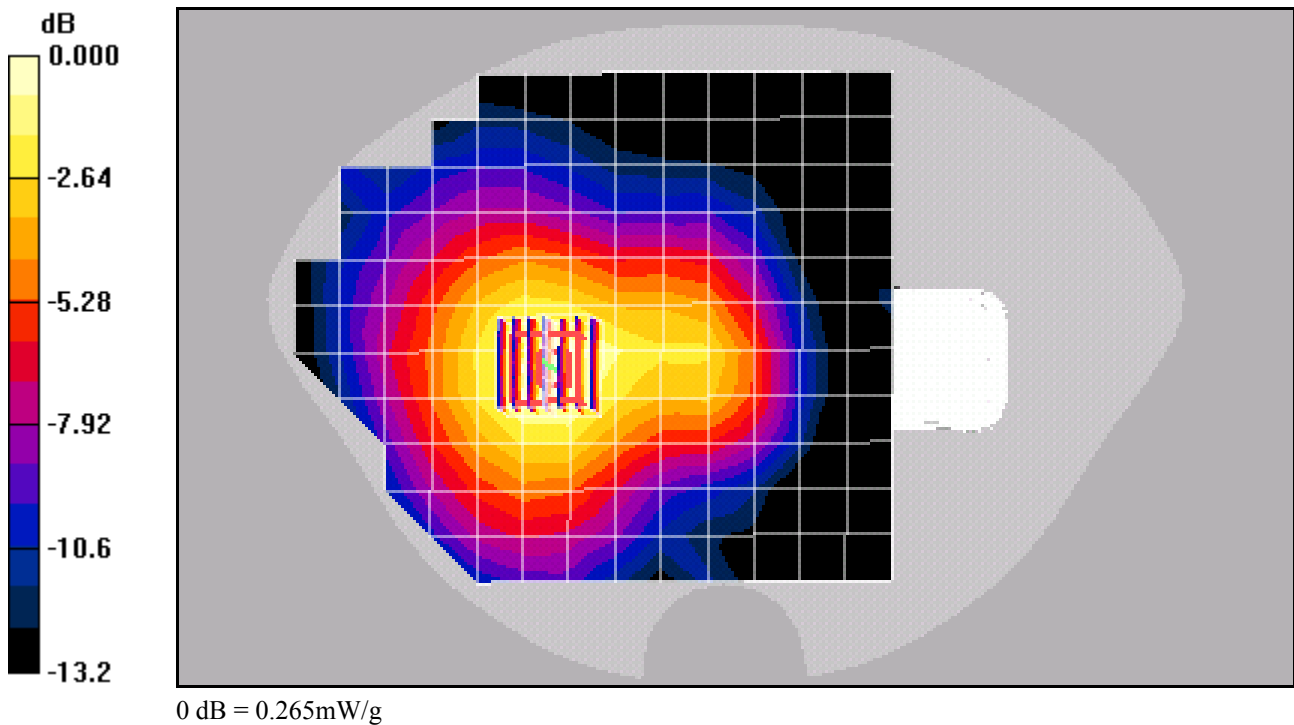
Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: M1800, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³
Phantom: SAM 12, Phantom section: Flat Section

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: DAE3 Sn493, Calibrated: 11/7/2006
Measurement SW: DASY4, V4.7 Build 53
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 = 9.47 V/m; Power Drift = 0.104 dB
Peak SAR (extrapolated) = 0.426 W/kg
SAR(1 g) = 0.250 mW/g; SAR(10 g) = 0.167 mW/g
Maximum value of SAR (measured) = 0.265 mW/g



Test Laboratory: Kyocera-Wireless Corp.

E1000 #1359 CDMA-1900 Ch600 Flat Phone Closed with 15mm Air Space

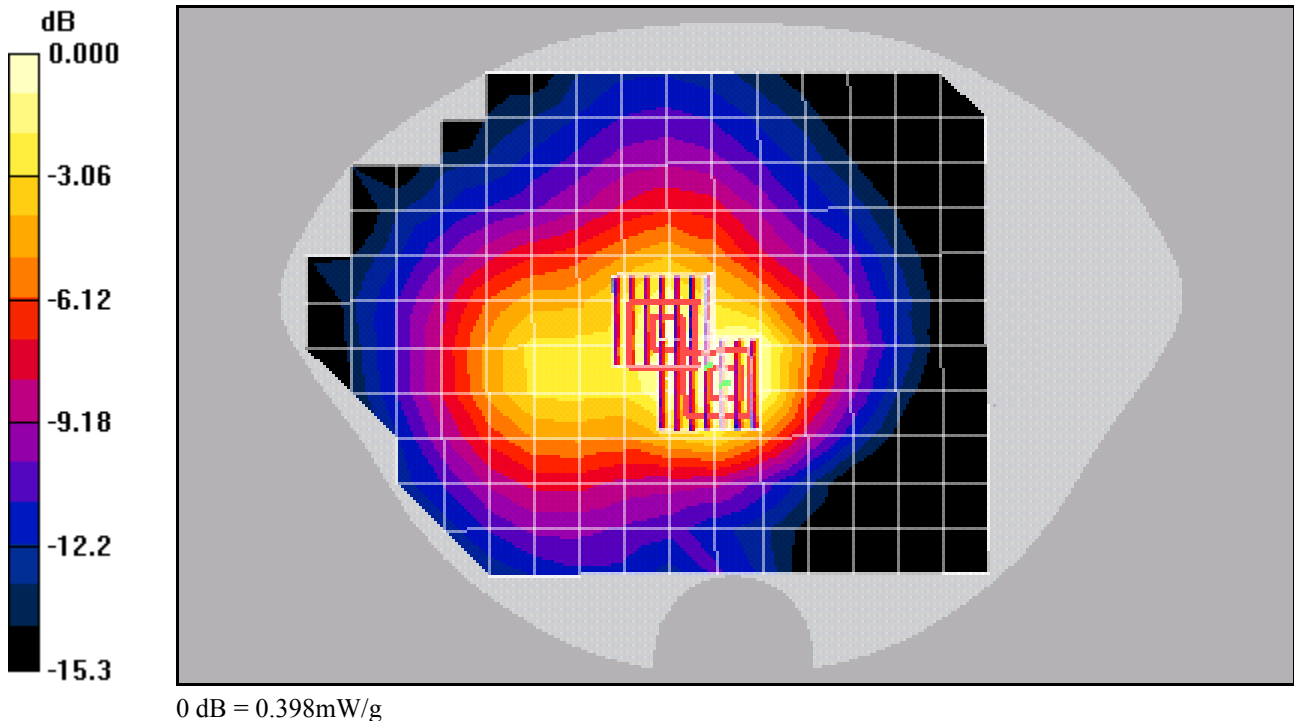
Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: M1800, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³
Phantom: SAM 12, Phantom section: Flat Section

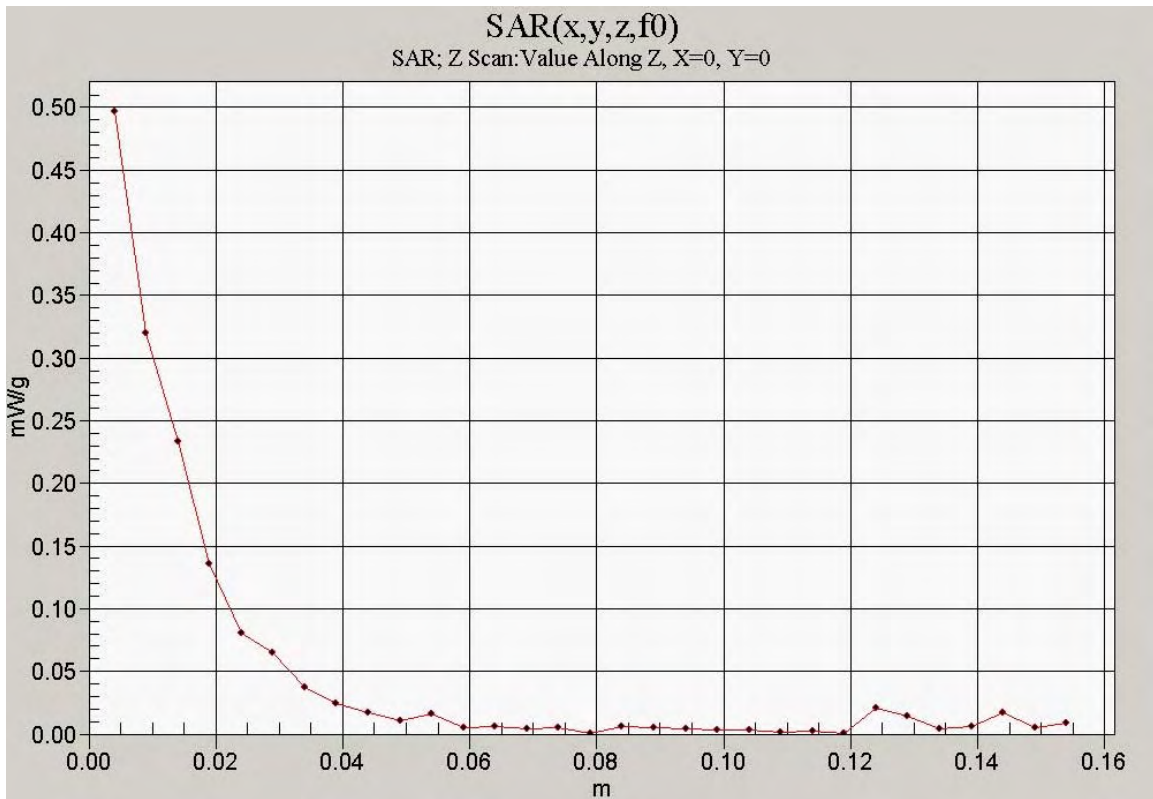
DASY4 Configuration:
Probe: ET3DV6 - SN1664, ConvF(4.57, 4.57, 4.57), Calibrated: 6/22/2006
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn493, Calibrated: 11/7/2006
Measurement SW: DASY4, V4.7 Build 53
Postprocessing SW: SEMCAD, V1.8 Build 160

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 = 15.3 V/m; Power Drift = 0.142 dB
Peak SAR (extrapolated) = 0.762 W/kg
SAR(1 g) = 0.457 mW/g; SAR(10 g) = 0.274 mW/g
Maximum value of SAR (measured) = 0.497 mW/g

CDMA-1900 FLAT Ch600/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.3 V/m; Power Drift = 0.142 dB
Peak SAR (extrapolated) = 0.610 W/kg
SAR(1 g) = 0.351 mW/g; SAR(10 g) = 0.213 mW/g
Maximum value of SAR (measured) = 0.398 mW/g





Test Laboratory: Kyocera-Wireless Corp.

E1000 #1359 CDMA-1900 Ch600 Flat Phone Closed with CV90-61344

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: M1800, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ 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: DAE3 Sn493, Calibrated: 11/7/2006
Measurement SW: DASY4, V4.7 Build 53
Postprocessing SW: SEMCAD, V1.8 Build 160

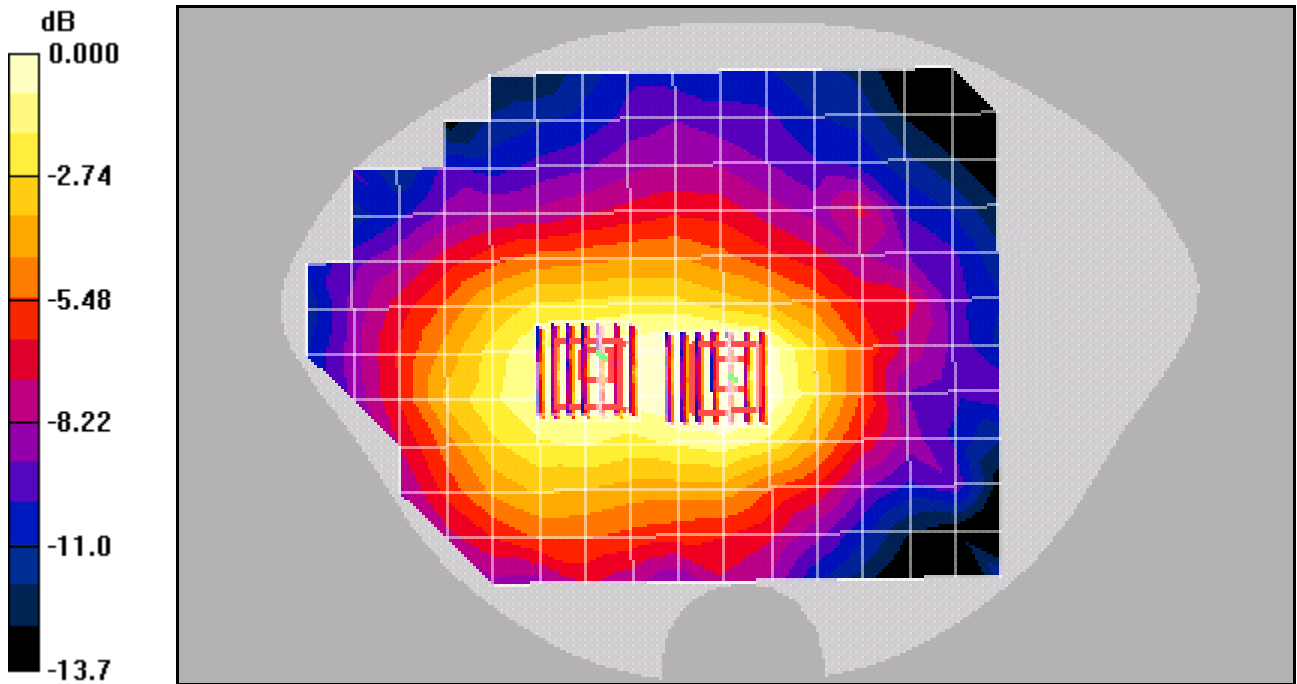
Temperature:
Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

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

Reference Value = 9.91 V/m; Power Drift = 0.045 dB
Peak SAR (extrapolated) = 0.258 W/kg
SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.093 mW/g
Maximum value of SAR (measured) = 0.154 mW/g

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

Reference Value = 9.91 V/m; Power Drift = 0.045 dB
Peak SAR (extrapolated) = 0.187 W/kg
SAR(1 g) = 0.118 mW/g; SAR(10 g) = 0.081 mW/g
Maximum value of SAR (measured) = 0.126 mW/g



Test Laboratory: Kyocera-Wireless Corp.

E1000 #1359 CDMA-1900 Ch600 Flat Phone Closed with Standard Leather Case

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: M1800, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ 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: DAE3 Sn493, Calibrated: 11/7/2006
Measurement SW: DASY4, V4.7 Build 53
Postprocessing SW: SEMCAD, V1.8 Build 160

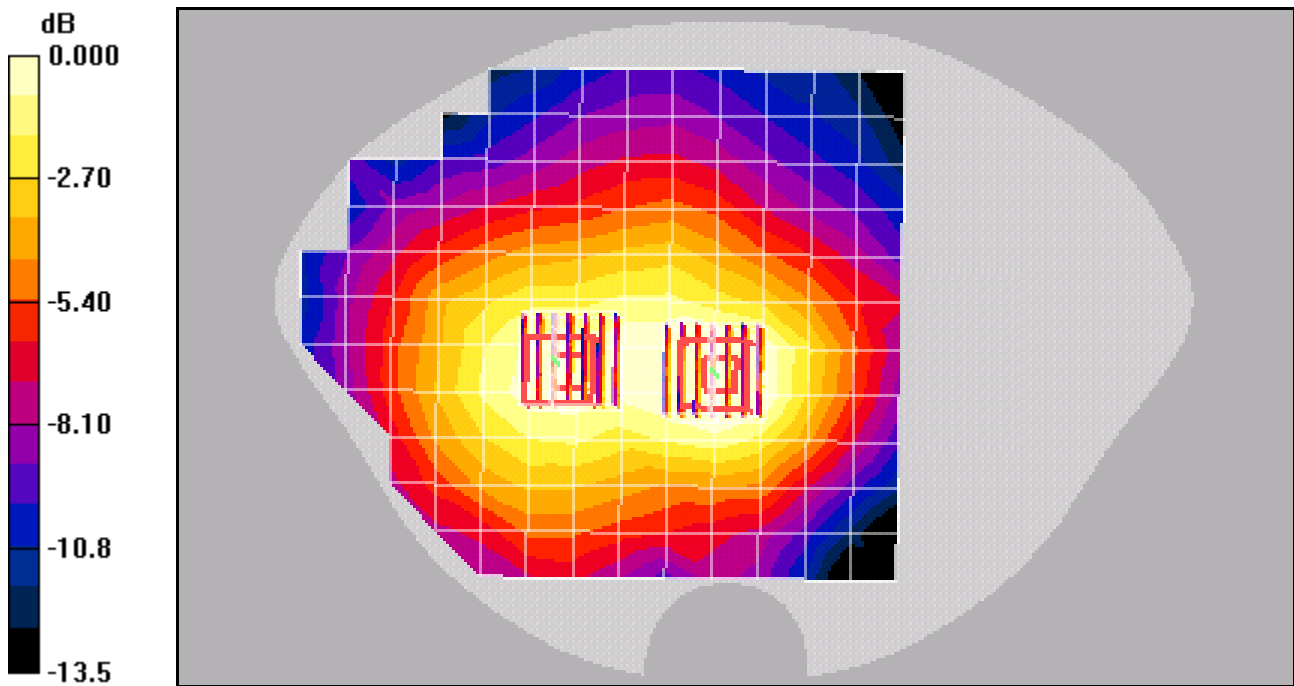
Temperature:
Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

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

Reference Value = 10.4 V/m; Power Drift = 0.023 dB
Peak SAR (extrapolated) = 0.274 W/kg
SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.103 mW/g
Maximum value of SAR (measured) = 0.172 mW/g

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

Reference Value = 10.4 V/m; Power Drift = 0.023 dB
Peak SAR (extrapolated) = 0.201 W/kg
SAR(1 g) = 0.118 mW/g; SAR(10 g) = 0.082 mW/g
Maximum value of SAR (measured) = 0.126 mW/g



0 dB = 0.126mW/g

Test Laboratory: Kyocera-Wireless Corp.

E1000 #1359 CDMA-1900 Ch600 Flat Phone Closed with Holster

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: M1800, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ 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: DAE3 Sn493, Calibrated: 11/7/2006
Measurement SW: DASY4, V4.7 Build 53
Postprocessing SW: SEMCAD, V1.8 Build 160

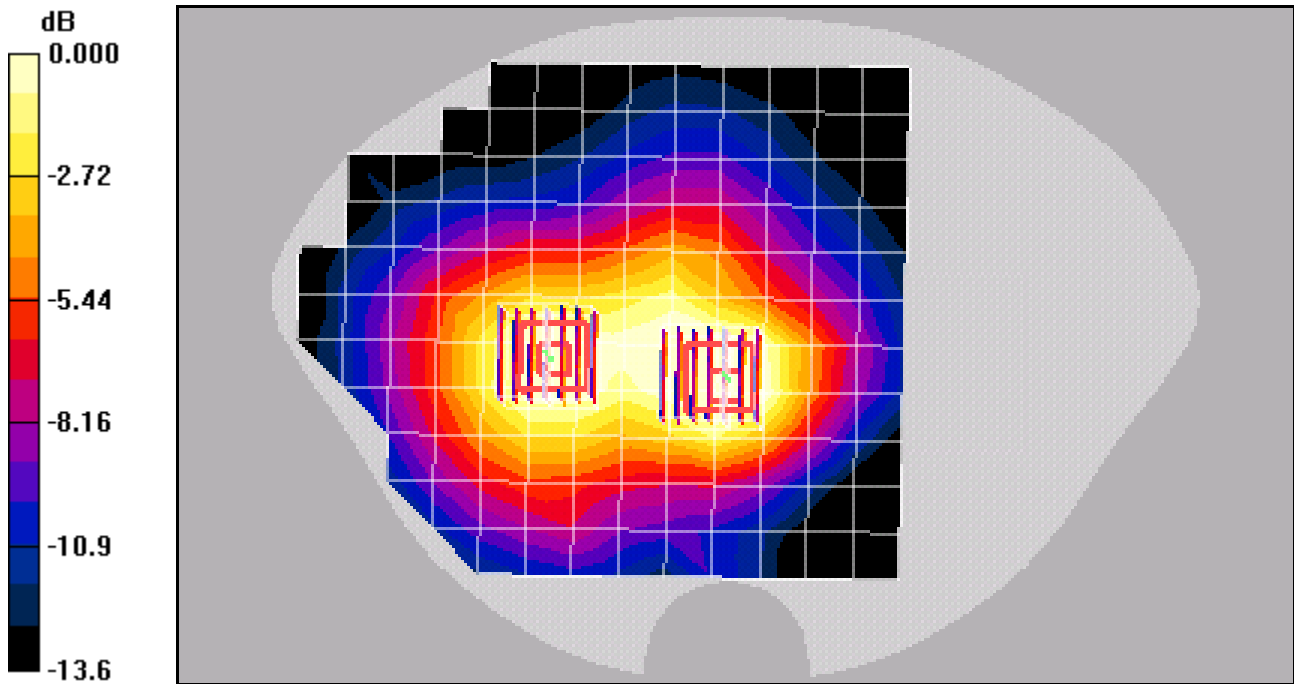
Temperature:
Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

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

Reference Value = 14.9 V/m; Power Drift = -0.162 dB
Peak SAR (extrapolated) = 0.594 W/kg
SAR(1 g) = 0.349 mW/g; SAR(10 g) = 0.213 mW/g
Maximum value of SAR (measured) = 0.374 mW/g

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

Reference Value = 14.9 V/m; Power Drift = -0.162 dB
Peak SAR (extrapolated) = 0.471 W/kg
SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.194 mW/g
Maximum value of SAR (measured) = 0.312 mW/g



0 dB = 0.312mW/g