

Appendix B2:
SAR Distribution Plots (Body)

Test Laboratory: Kyocera-Wireless Corp.

S4000 #1978 CDMA-800 Ch1013 Flat with Phone Open, 15mm Air Space and S032 RC3 (FCH+SCH)

Communication System: CDMA-800, Frequency: 824.7 MHz, Duty Cycle: 1:1

Medium: M900, Medium parameters used (interpolated): $f = 824.7$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 56$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(6.49, 6.49, 6.49), Calibrated: 7/16/2007

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

Electronics: DAE4 Sn527, Calibrated: 9/14/2007

Measurement SW: DASY4, V4.7 Build 55

Postprocessing SW: SEMCAD, V1.8 Build 171

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

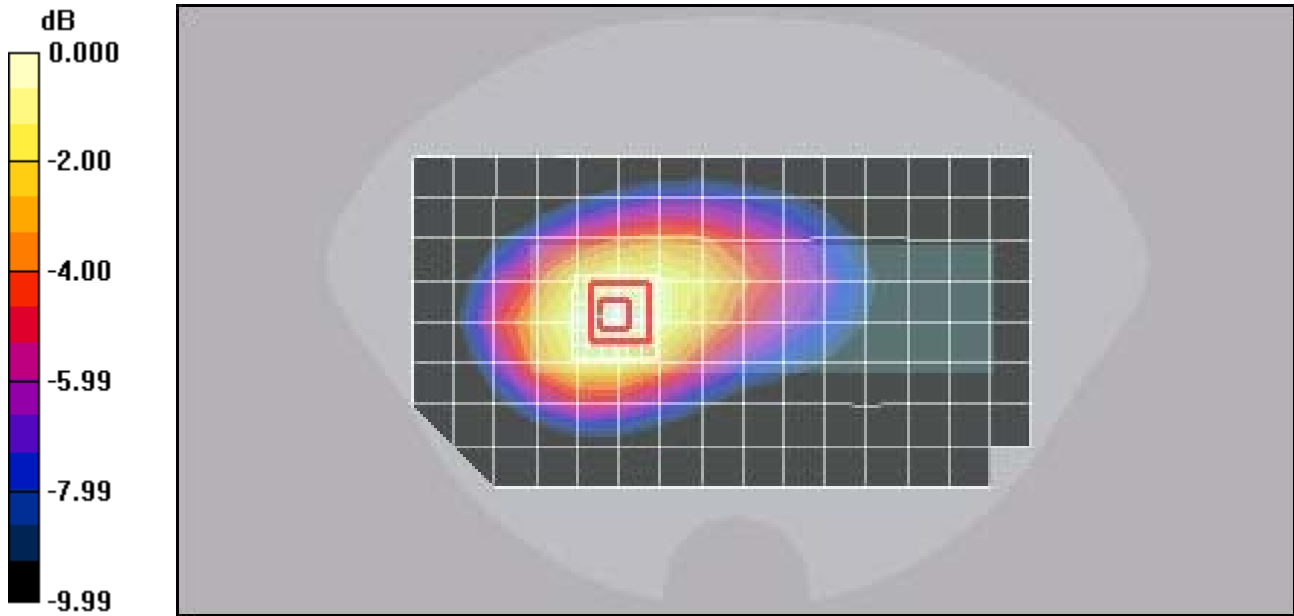
Reference Value = 20.6 V/m; Power Drift = 0.054 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.887 mW/g; SAR(10 g) = 0.634 mW/g

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

Maximum value of SAR (measured) = 0.938 mW/g



0 dB = 0.938mW/g

Test Laboratory: Kyocera-Wireless Corp.

S4000 #1978 CDMA-800 Ch383 Flat with Phone Open, CV90-P0323-01 and S055 RC1

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

Medium: M900, Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 56$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(6.49, 6.49, 6.49), Calibrated: 7/16/2007

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

Electronics: DAE4 Sn527, Calibrated: 9/14/2007

Measurement SW: DASY4, V4.7 Build 55

Postprocessing SW: SEMCAD, V1.8 Build 171

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

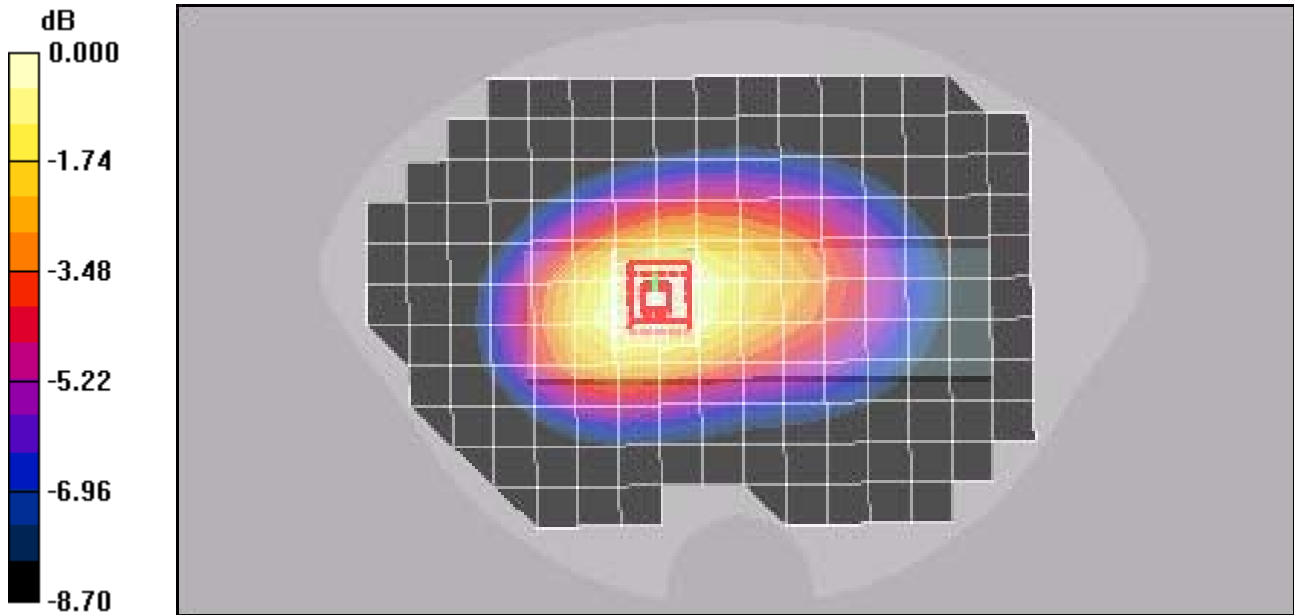
Reference Value = 18.6 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 0.484 W/kg

SAR(1 g) = 0.370 mW/g; SAR(10 g) = 0.270 mW/g

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

Maximum value of SAR (measured) = 0.403 mW/g



0 dB = 0.403mW/g

Test Laboratory: Kyocera-Wireless Corp.

S4000 #1978 CDMA-800 Ch777 Flat with Phone Closed, 15mm Air Space and S055 RC1

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

Medium: M900, Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 56$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(6.49, 6.49, 6.49), Calibrated: 7/16/2007

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

Electronics: DAE4 Sn527, Calibrated: 9/14/2007

Measurement SW: DASY4, V4.7 Build 55

Postprocessing SW: SEMCAD, V1.8 Build 171

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

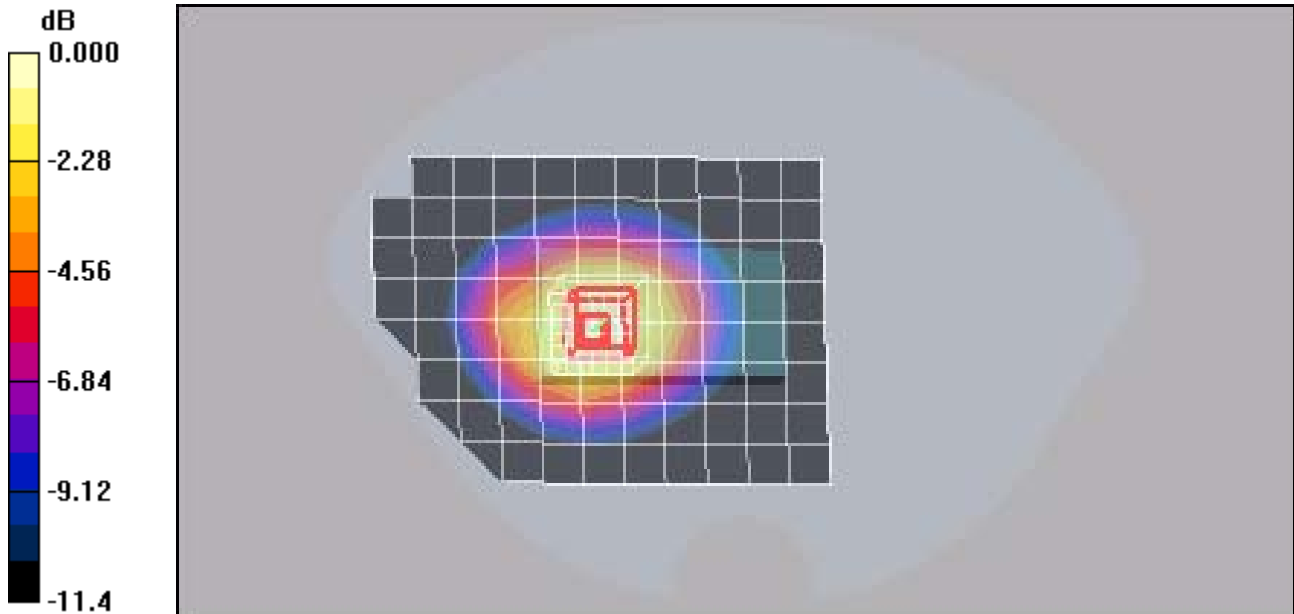
Reference Value = 12.4 V/m; Power Drift = -0.044 dB

Peak SAR (extrapolated) = 1.60 W/kg

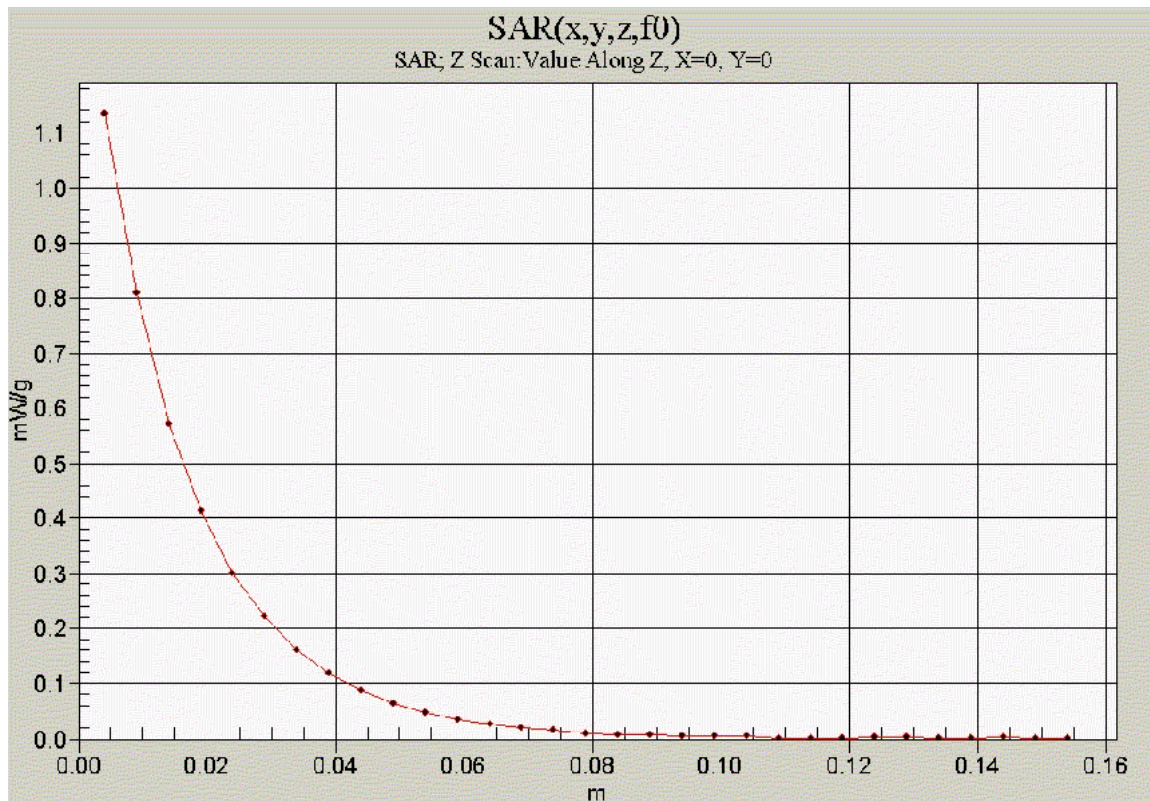
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.761 mW/g

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

Maximum value of SAR (measured) = 1.22 mW/g



0 dB = 1.22mW/g



Test Laboratory: Kyocera-Wireless Corp.

S4000 #1978 CDMA-800 Ch383 Flat with Phone Closed, CV90-P0323-01 and S055 RC1

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

Medium: M900,Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 56$; $\rho = 1000$ kg/m³

Phantom: SAM 12,Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(6.49, 6.49, 6.49), Calibrated: 7/16/2007

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

Electronics: DAE4 Sn527,Calibrated: 9/14/2007

Measurement SW: DASY4, V4.7 Build 55

Postprocessing SW: SEMCAD, V1.8 Build 171

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

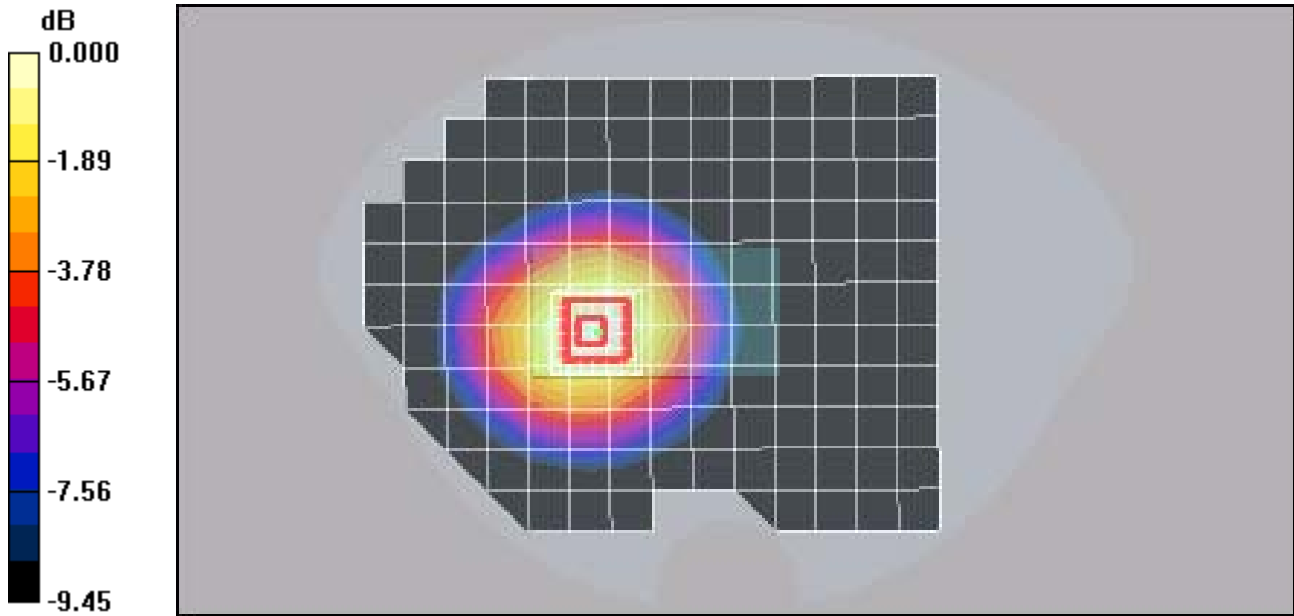
Reference Value = 10.1 V/m; Power Drift = -0.170 dB

Peak SAR (extrapolated) = 0.540 W/kg

SAR(1 g) = 0.406 mW/g; SAR(10 g) = 0.287 mW/g

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

Maximum value of SAR (measured) = 0.430 mW/g



0 dB = 0.430mW/g

Test Laboratory: Kyocera-Wireless Corp.

S4000 #1978 CDMA-1900 Ch25 Flat with Phone Open, 15mm Air Space, Bluetooth on and S055 RC1

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1

Medium: M1800, Medium parameters used (extrapolated): $f = 1851.25$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(4.66, 4.66, 4.66), Calibrated: 7/16/2007

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

Electronics: DAE4 Sn527, Calibrated: 9/14/2007

Measurement SW: DASY4, V4.7 Build 55

Postprocessing SW: SEMCAD, V1.8 Build 171

Temperature:

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

CDMA-1900 FLAT Ch25/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

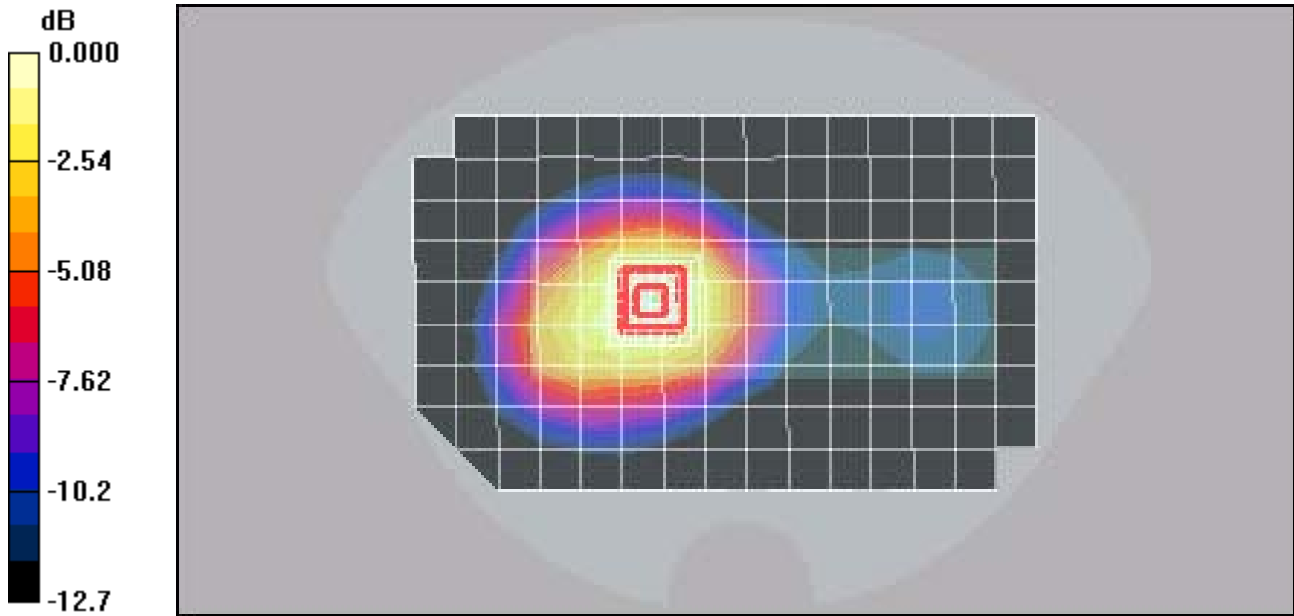
Reference Value = 11.8 V/m; Power Drift = 0.076 dB

Peak SAR (extrapolated) = 0.755 W/kg

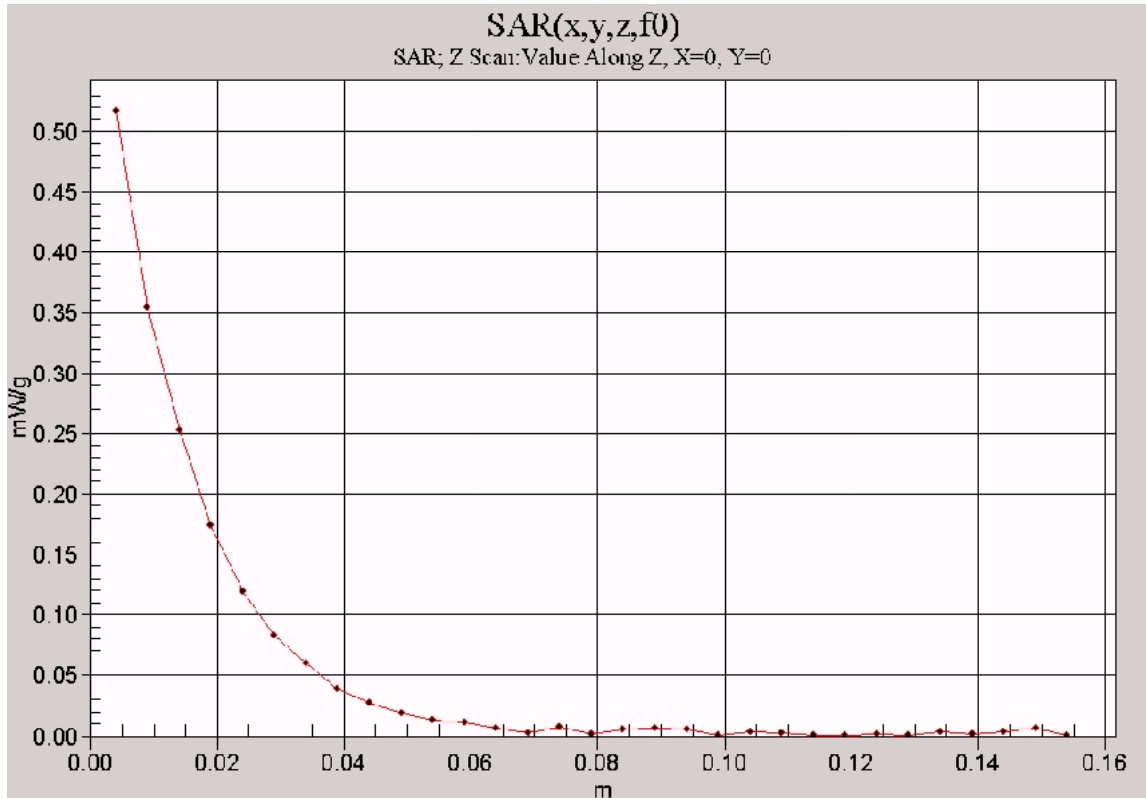
SAR(1 g) = 0.515 mW/g; SAR(10 g) = 0.344 mW/g

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

Maximum value of SAR (measured) = 0.545 mW/g



0 dB = 0.545mW/g



Test Laboratory: Kyocera-Wireless Corp.

S4000 #1978 CDMA-1900 Ch25 Flat with Phone Open, CV90-P0323-01 and S055 RC1

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1
 Medium: M1800, Medium parameters used (extrapolated): $f = 1851.25$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³
 Phantom: SAM 12, Phantom section: Flat Section

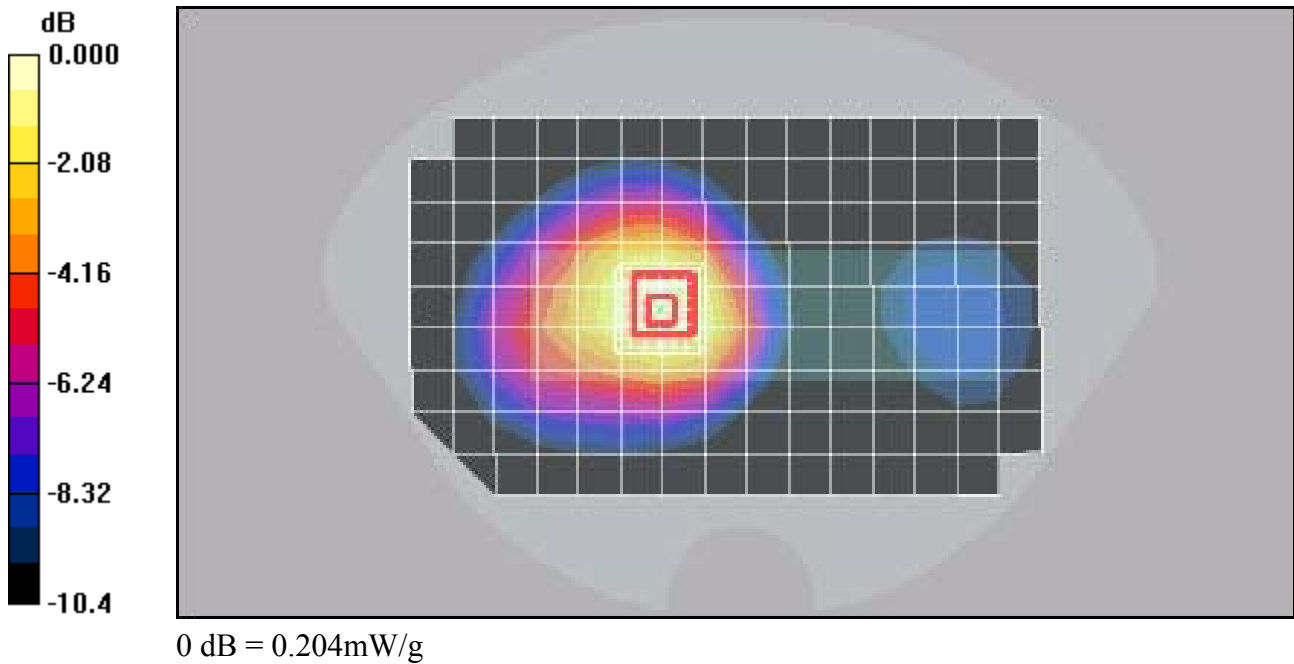
DASY4 Configuration:
 Probe: ET3DV6 - SN1664, ConvF(4.66, 4.66, 4.66), Calibrated: 7/16/2007
 Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
 Electronics: DAE4 Sn527, Calibrated: 9/14/2007
 Measurement SW: DASY4, V4.7 Build 55
 Postprocessing SW: SEMCAD, V1.8 Build 171

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

CDMA-1900 FLAT Ch25/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.97 V/m; Power Drift = -0.047 dB
 Peak SAR (extrapolated) = 0.301 W/kg
SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.125 mW/g

[Info: Extrapolated medium parameters used for SAR evaluation.](#)
 Maximum value of SAR (measured) = 0.204 mW/g



Test Laboratory: Kyocera-Wireless Corp.

S4000 #1978 CDMA-1900 Ch25 Flat with Phone Closed, 15mm Air Space and S055 RC1

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1

Medium: M1800, Medium parameters used (extrapolated): $f = 1851.25$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(4.66, 4.66, 4.66), Calibrated: 7/16/2007

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

Electronics: DAE4 Sn527, Calibrated: 9/14/2007

Measurement SW: DASY4, V4.7 Build 55

Postprocessing SW: SEMCAD, V1.8 Build 171

Temperature:

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

CDMA-1900 FLAT Ch25/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

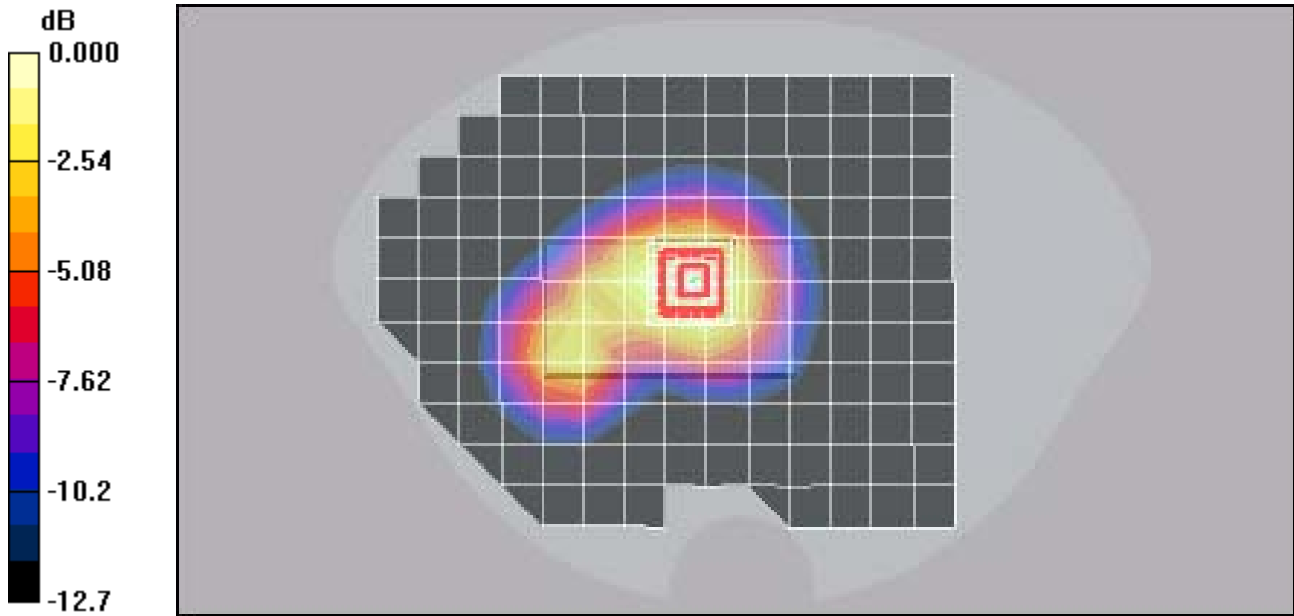
Reference Value = 12.6 V/m; Power Drift = -0.108 dB

Peak SAR (extrapolated) = 0.512 W/kg

SAR(1 g) = 0.360 mW/g; SAR(10 g) = 0.235 mW/g

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

Maximum value of SAR (measured) = 0.387 mW/g



0 dB = 0.387mW/g

Test Laboratory: Kyocera-Wireless Corp.

S4000 #1978 CDMA-1900 Ch25 Flat with Phone Closed, CV90-P0323-01 and S055 RC1

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1

Medium: M1800, Medium parameters used (extrapolated): $f = 1851.25$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(4.66, 4.66, 4.66), Calibrated: 7/16/2007

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

Electronics: DAE4 Sn527, Calibrated: 9/14/2007

Measurement SW: DASY4, V4.7 Build 55

Postprocessing SW: SEMCAD, V1.8 Build 171

Temperature:

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

CDMA-1900 FLAT Ch25/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

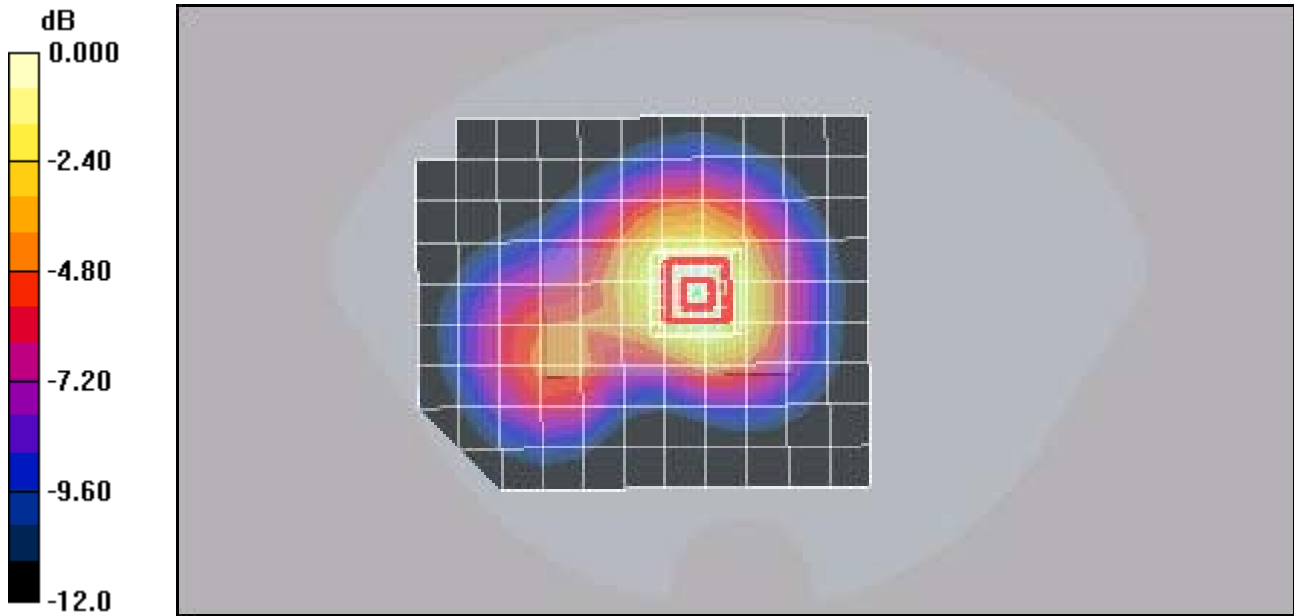
Reference Value = 9.01 V/m; Power Drift = -0.190 dB

Peak SAR (extrapolated) = 0.212 W/kg

SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.093 mW/g

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

Maximum value of SAR (measured) = 0.152 mW/g



0 dB = 0.152mW/g