

Appendix B2:

SAR Distribution Plots (Body)

Test Laboratory: Kyocera-Wireless Corp.

S4000 #1245 CDMA-800 Ch1013 Flat Phone Open with 15mm Air Space and S032 RC3 (FCH)

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

Medium: M900, Medium parameters used (interpolated): $f = 824.7$ MHz; $\sigma = 0.941$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$ 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 176

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

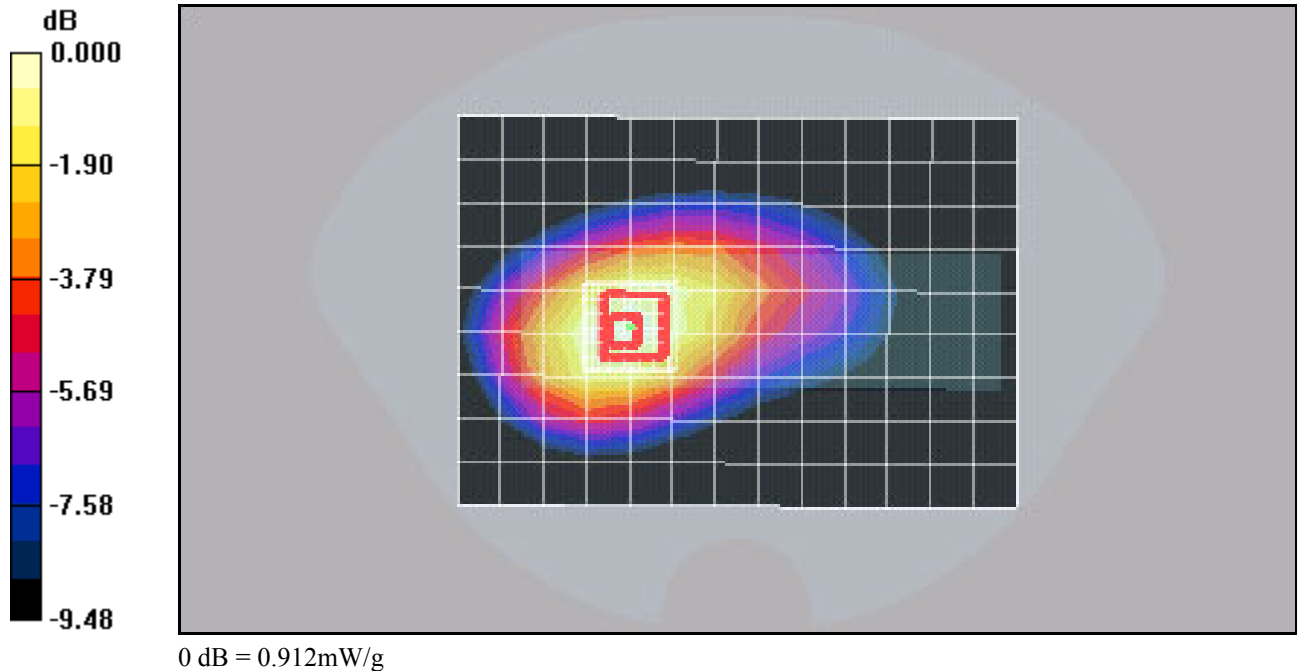
Reference Value = 22.7 V/m; Power Drift = -0.036 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.851 mW/g; SAR(10 g) = 0.615 mW/g

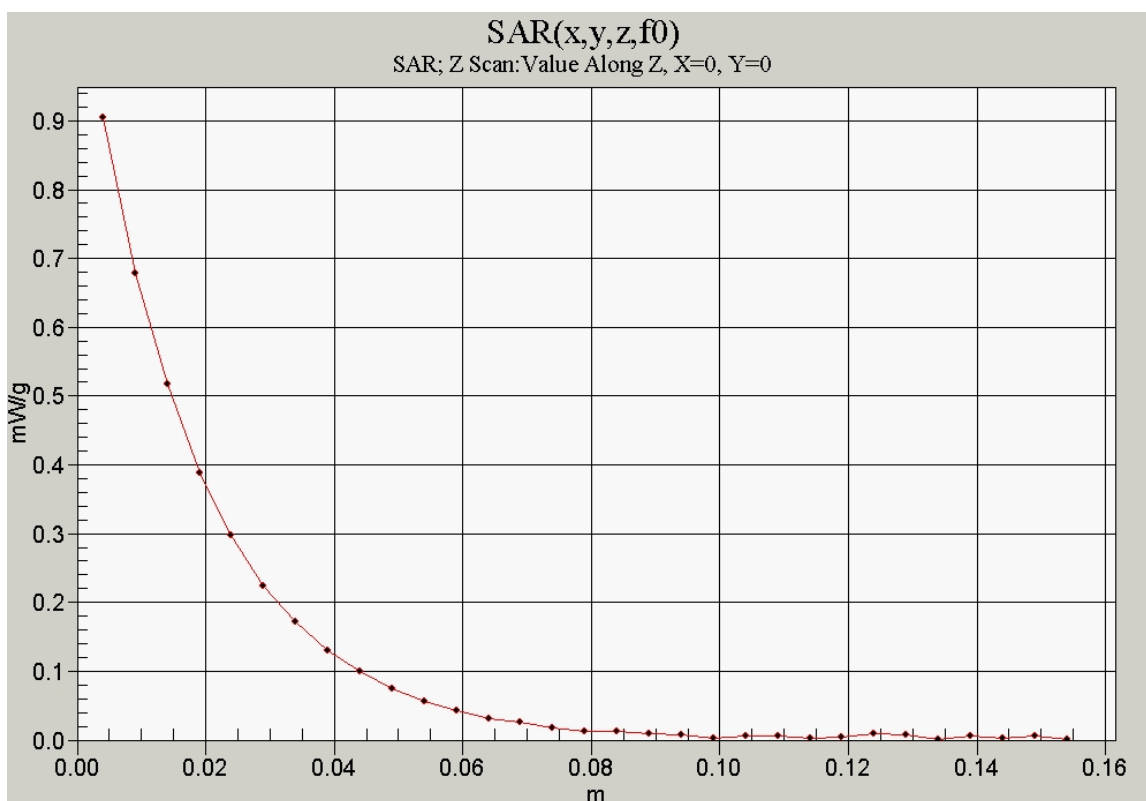
[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.912 mW/g





FCC ID: OVFKWC-K33B04



Test Laboratory: Kyocera-Wireless Corp.

S4000 #1245 CDMA-800 Ch383 Flat Phone Open with CV90-P0323-01 and S032 RC3 (FCH + SCH)

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

Medium: M900, Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.941$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$ 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 176

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

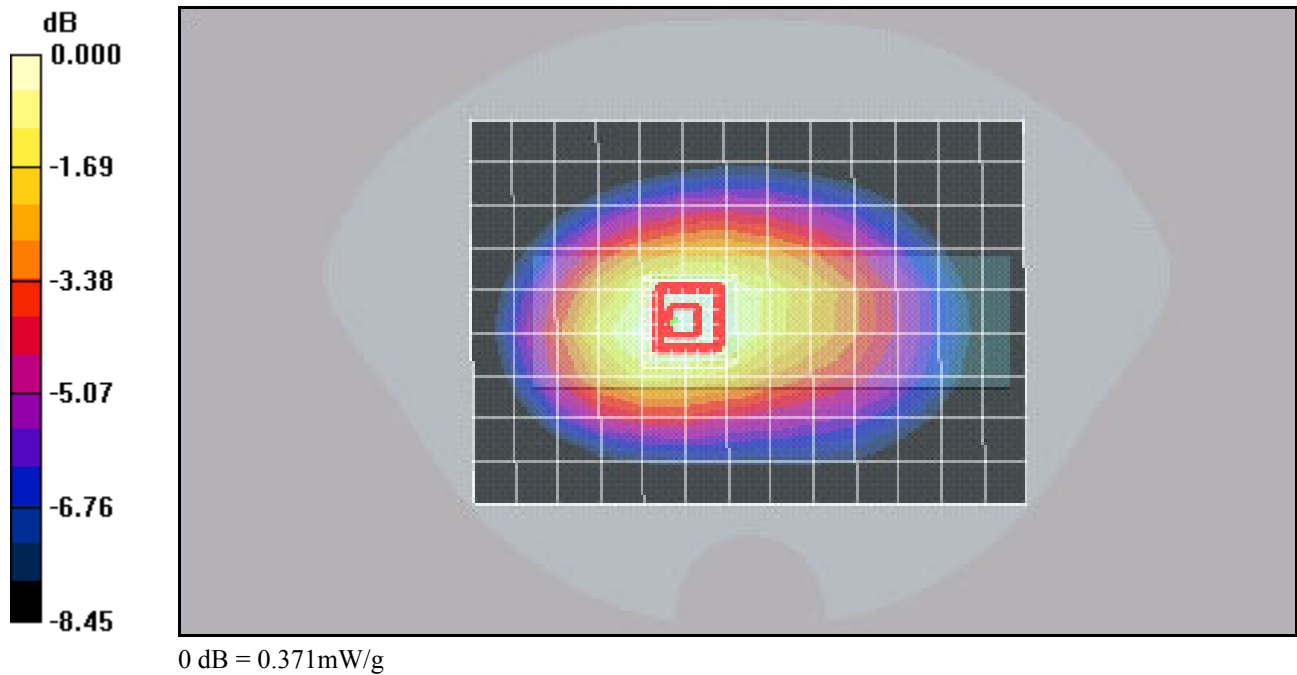
Reference Value = 19.8 V/m; Power Drift = -0.160 dB

Peak SAR (extrapolated) = 0.461 W/kg

SAR(1 g) = 0.353 mW/g; SAR(10 g) = 0.259 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.371 mW/g



Test Laboratory: Kyocera-Wireless Corp.

S4000 #1245 CDMA-800 Ch383 Flat Phone Closed with 15mm Air Space 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; $\sigma = 0.941$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$ 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 176

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

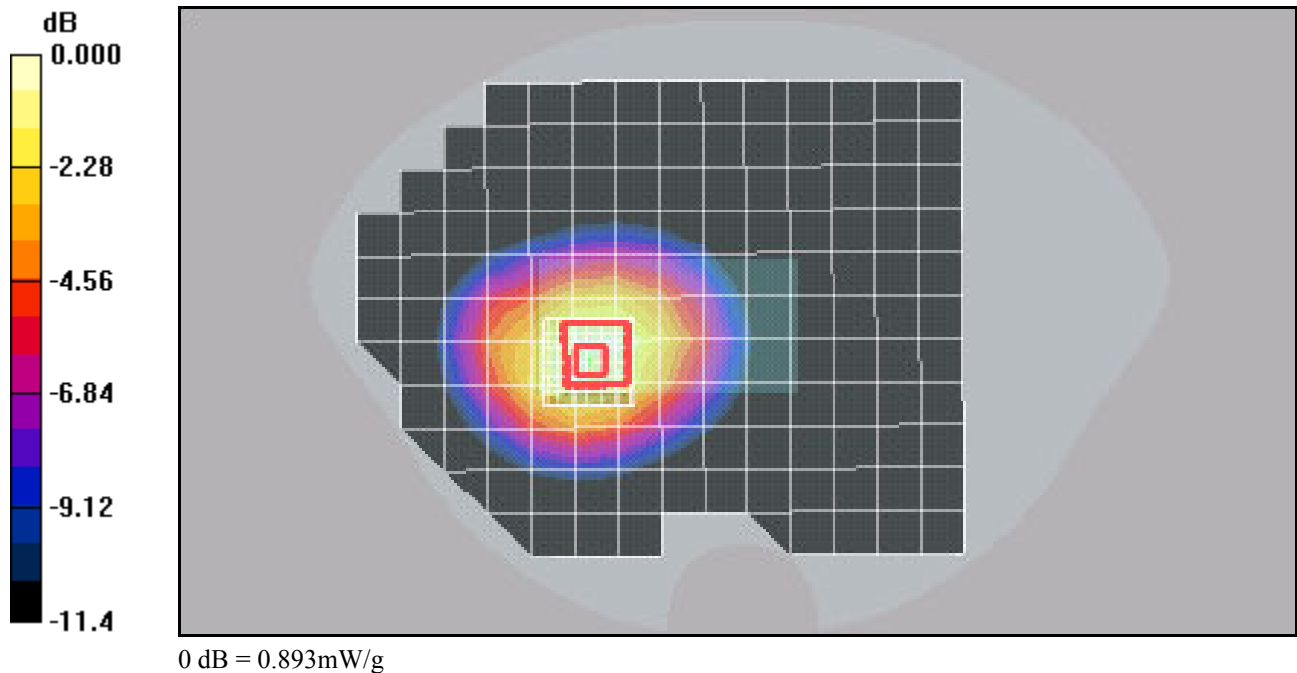
Reference Value = 10.9 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.829 mW/g; SAR(10 g) = 0.566 mW/g

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

Maximum value of SAR (measured) = 0.893 mW/g



Test Laboratory: Kyocera-Wireless Corp.

S4000 #1245 CDMA-800 Ch383 Flat Phone Closed with 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; $\sigma = 0.941$ mho/m; $\epsilon_r = 55.1$; $\rho = 1000$ 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 176

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

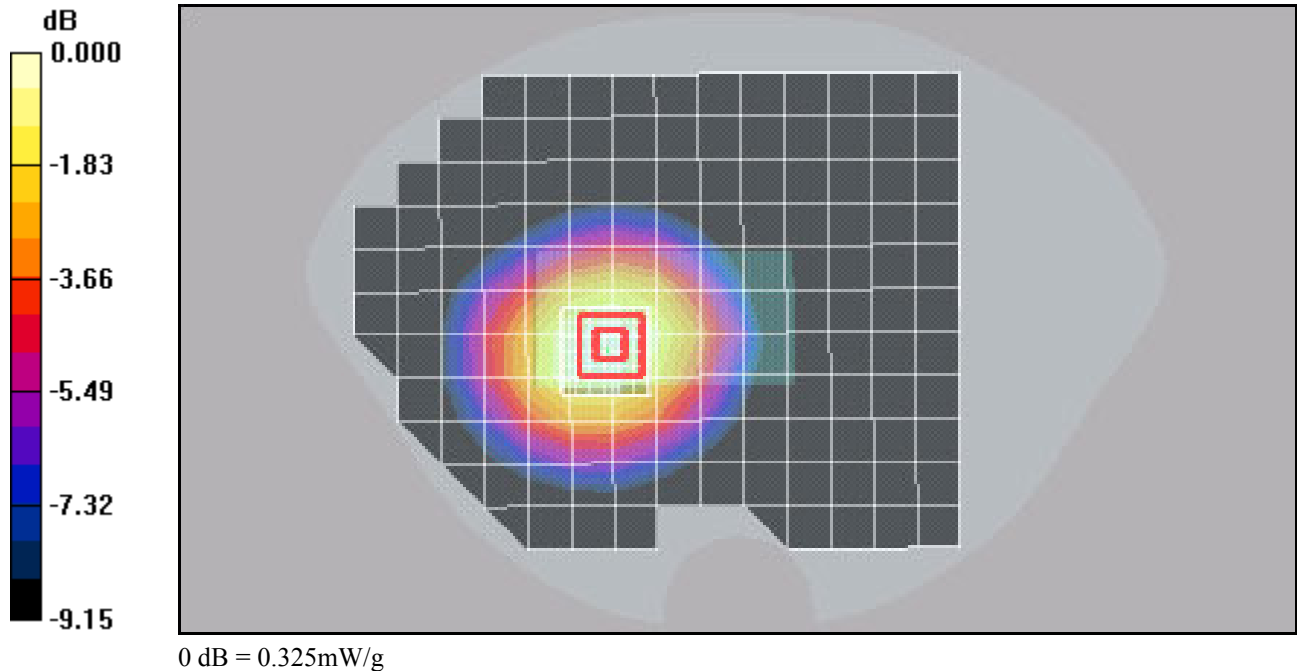
Reference Value = 10.2 V/m; Power Drift = -0.187 dB

Peak SAR (extrapolated) = 0.402 W/kg

SAR(1 g) = 0.306 mW/g; SAR(10 g) = 0.218 mW/g

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

Maximum value of SAR (measured) = 0.325 mW/g



Test Laboratory: Kyocera-Wireless Corp.

S4000 #1245 CDMA-1700 Ch450 Flat with Phone Open, 15mm Air Space and S032 RC3 (FCH)

Communication System: AWS 1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1

Medium: M1700, Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 55.5$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(4.88, 4.88, 4.88), 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

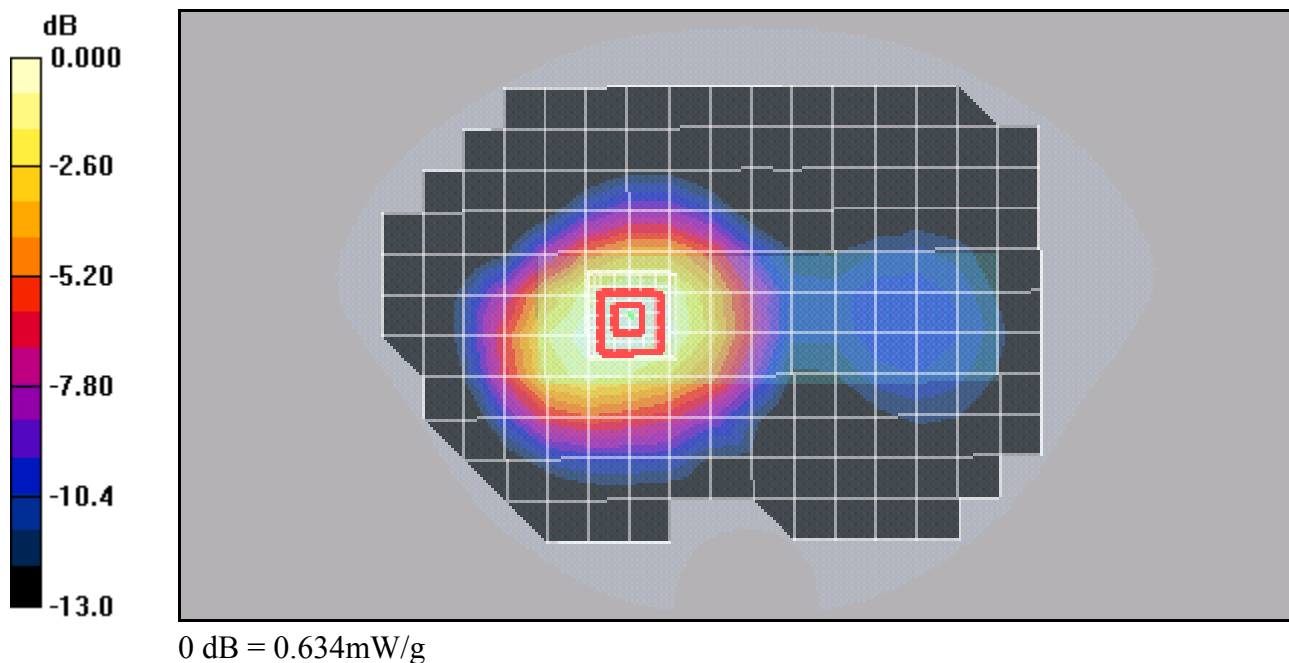
CDMA-1700 FLAT Ch450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

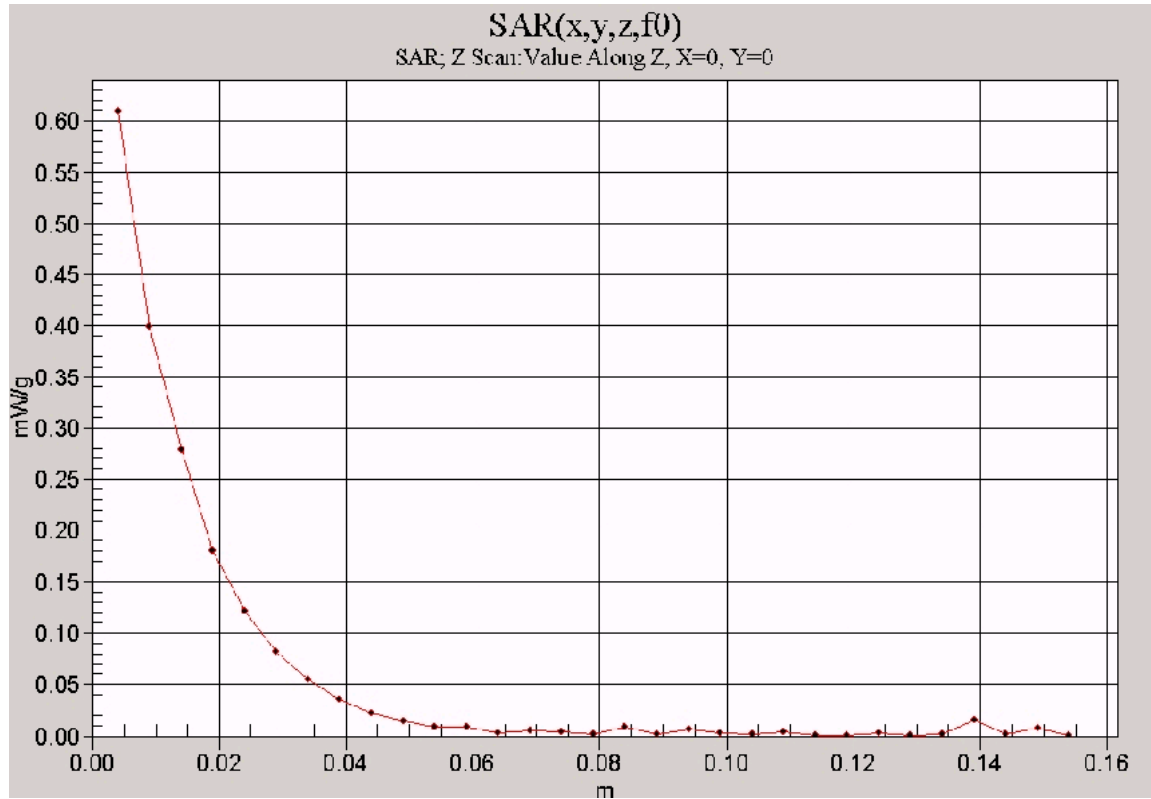
Reference Value = 11.1 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 0.908 W/kg

SAR(1 g) = 0.598 mW/g; SAR(10 g) = 0.391 mW/g

Maximum value of SAR (measured) = 0.634 mW/g





Test Laboratory: Kyocera-Wireless Corp.

S4000 #1245 CDMA-1700 Ch450 Flat with Phone Open, CV90-P0323-01 and S032 RC3 (FCH)

Communication System: AWS 1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1

Medium: M1700, Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 55.7$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(4.88, 4.88, 4.88), 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

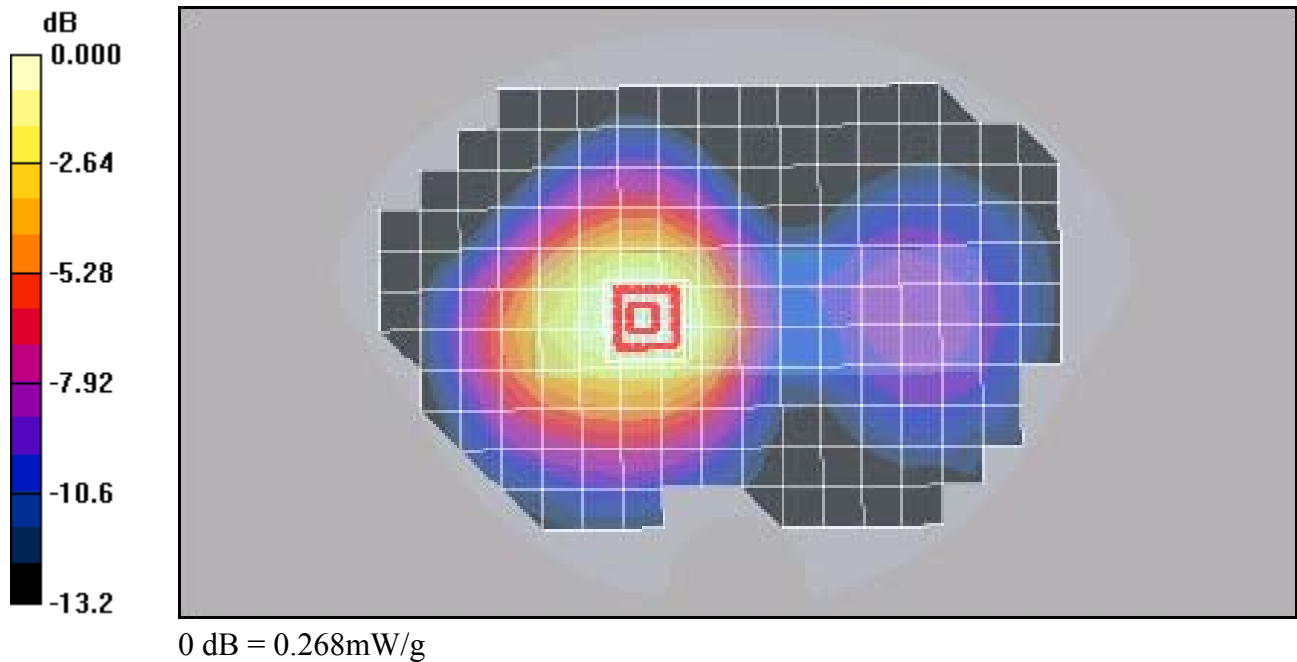
CDMA-1700 FLAT Ch450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.24 V/m; Power Drift = -0.193 dB

Peak SAR (extrapolated) = 0.385 W/kg

SAR(1 g) = 0.250 mW/g; SAR(10 g) = 0.161 mW/g

Maximum value of SAR (measured) = 0.268 mW/g



Test Laboratory: Kyocera-Wireless Corp.

S4000 #1245 CDMA-1700 Ch450 Flat with Phone Closed, 15mm Air Space and S032 RC3 (FCH)

Communication System: AWS 1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1

Medium: M1700, Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 55.7$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(4.88, 4.88, 4.88), 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

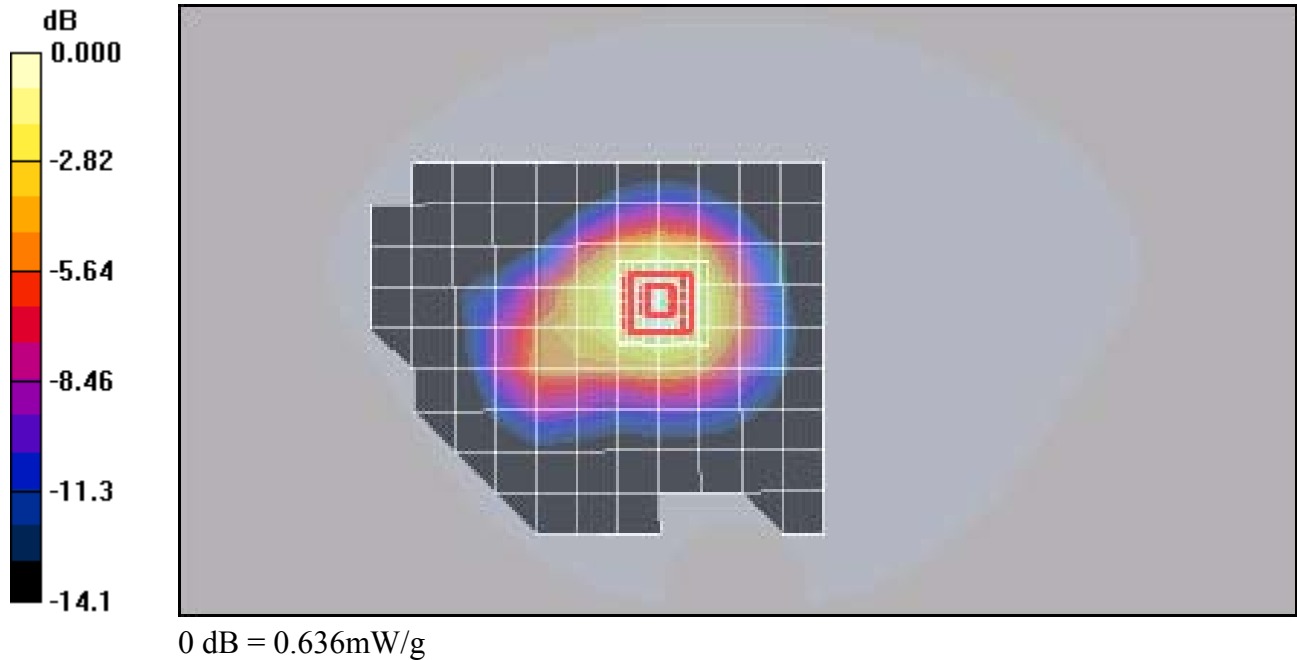
CDMA-1700 FLAT Ch450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.6 V/m; Power Drift = -0.131 dB

Peak SAR (extrapolated) = 0.877 W/kg

SAR(1 g) = 0.584 mW/g; SAR(10 g) = 0.367 mW/g

Maximum value of SAR (measured) = 0.636 mW/g



Test Laboratory: Kyocera-Wireless Corp.

S4000 #1245 CDMA-1700 Ch875 Flat with Phone Closed, CV90-P0323-01 and S032 RC3 (FCH+SCH)

Communication System: AWS 1700, Frequency: 1753.75 MHz, Duty Cycle: 1:1

Medium: M1700, Medium parameters used: $f = 1753.75$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 55.7$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(4.88, 4.88, 4.88), 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

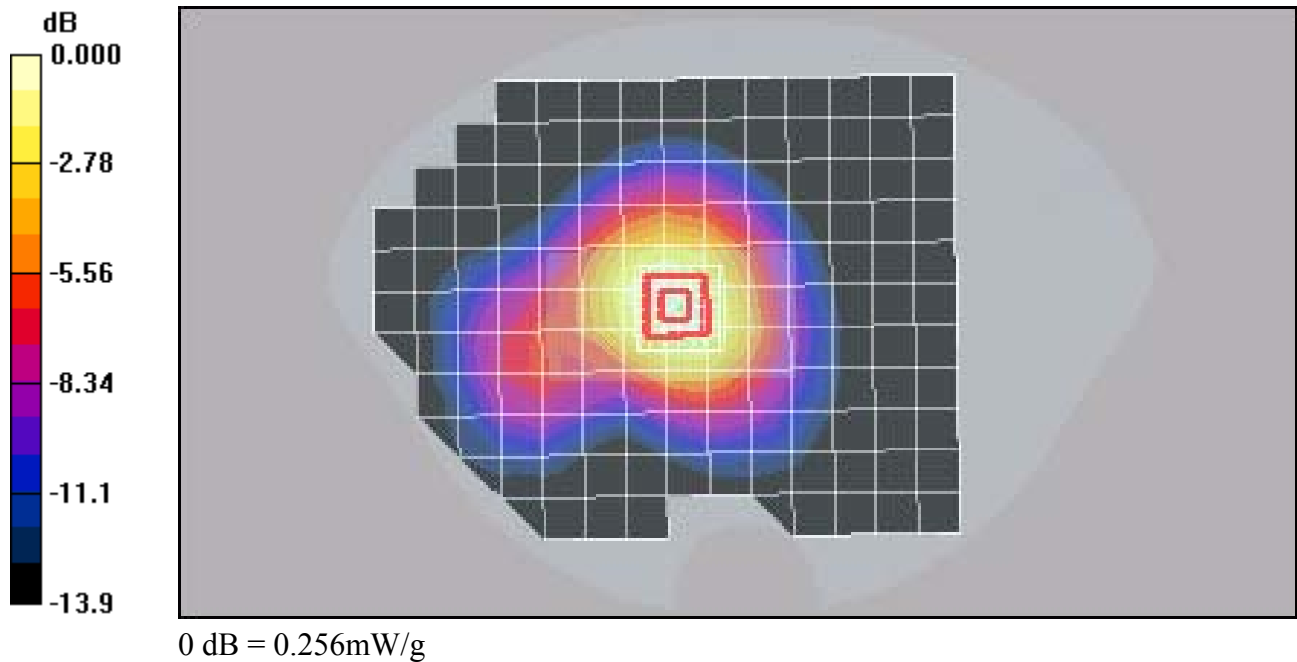
CDMA-1700 FLAT Ch875/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.33 V/m; Power Drift = 0.047 dB

Peak SAR (extrapolated) = 0.359 W/kg

SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.152 mW/g

Maximum value of SAR (measured) = 0.256 mW/g



Test Laboratory: Kyocera-Wireless Corp.

S4000 #1245 CDMA-1900 Ch1175 Flat Phone Open with 15mm Air Space and S055 RC1

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1

Medium: M1800, Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 54.1$; $\rho = 1000$ 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 176

Temperature:

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

CDMA-1900 FLAT Ch1175/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

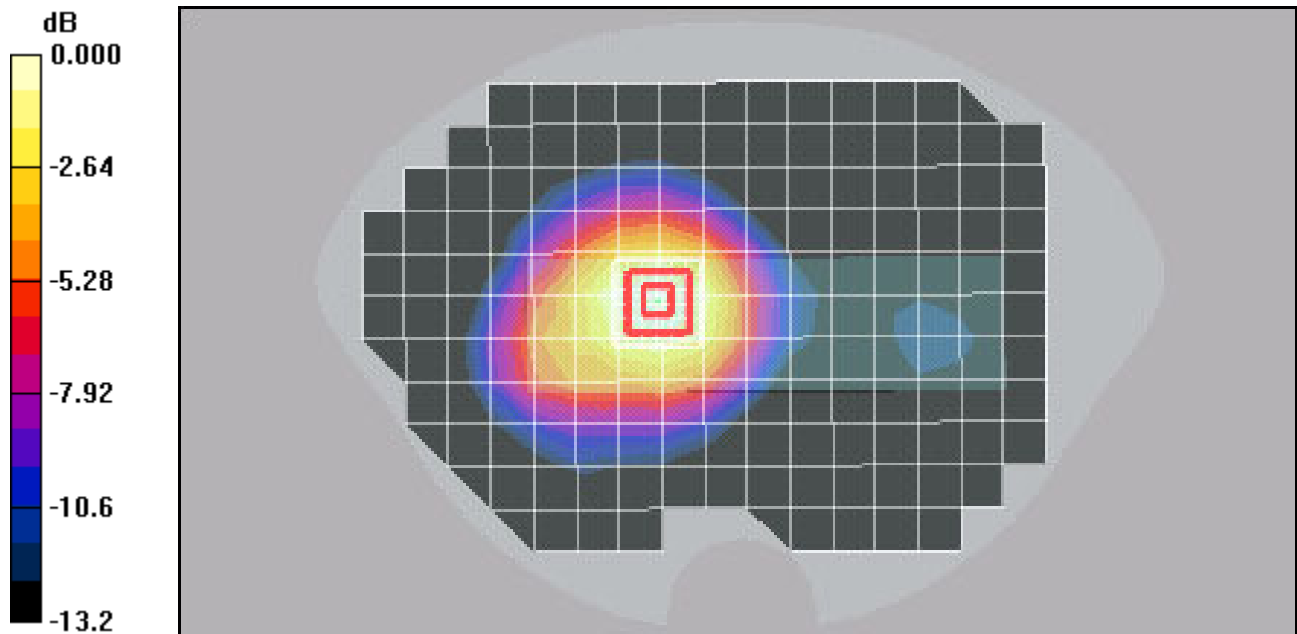
Reference Value = 11.6 V/m; Power Drift = 0.077 dB

Peak SAR (extrapolated) = 0.665 W/kg

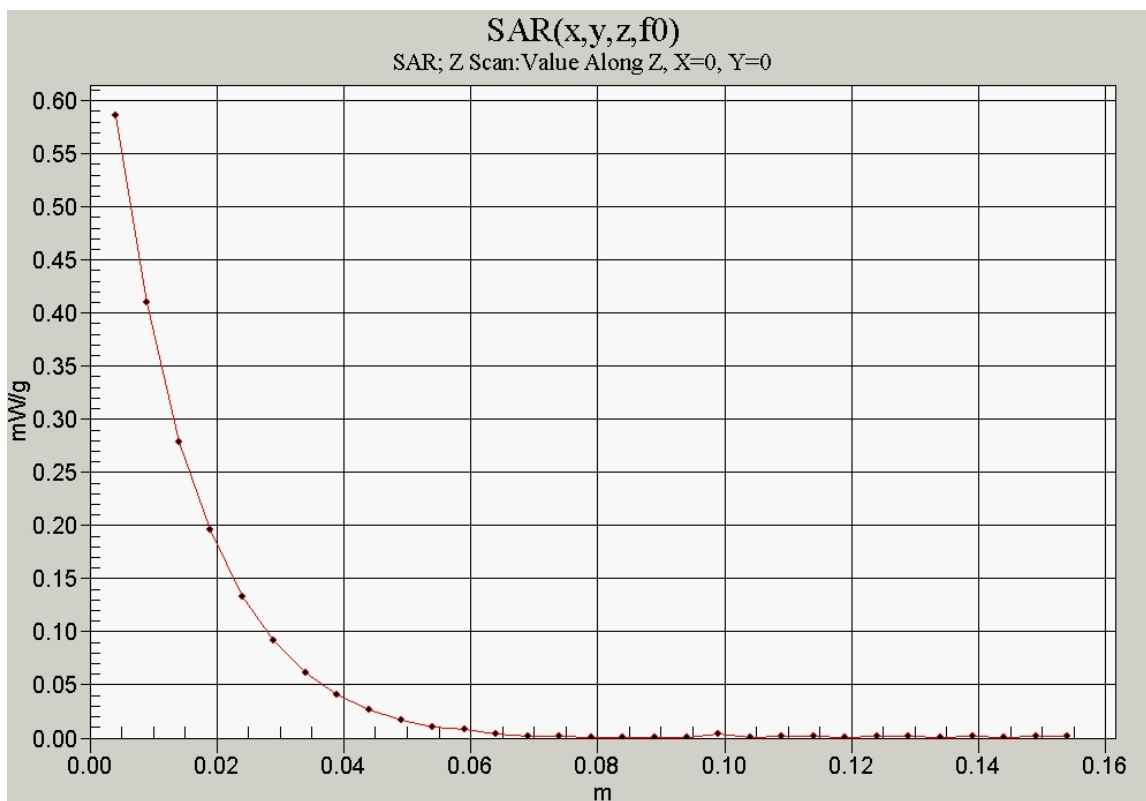
SAR(1 g) = 0.416 mW/g; SAR(10 g) = 0.273 mW/g

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

Maximum value of SAR (measured) = 0.441 mW/g



0 dB = 0.441mW/g



Test Laboratory: Kyocera-Wireless Corp.

S4000 #1245 CDMA-1900 Ch1175 Flat Phone Open with CV90-P0323-01 and S055 RC1

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1

Medium: M1800, Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 54.1$; $\rho = 1000$ 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 176

Temperature:

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

CDMA-1900 FLAT Ch1175/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

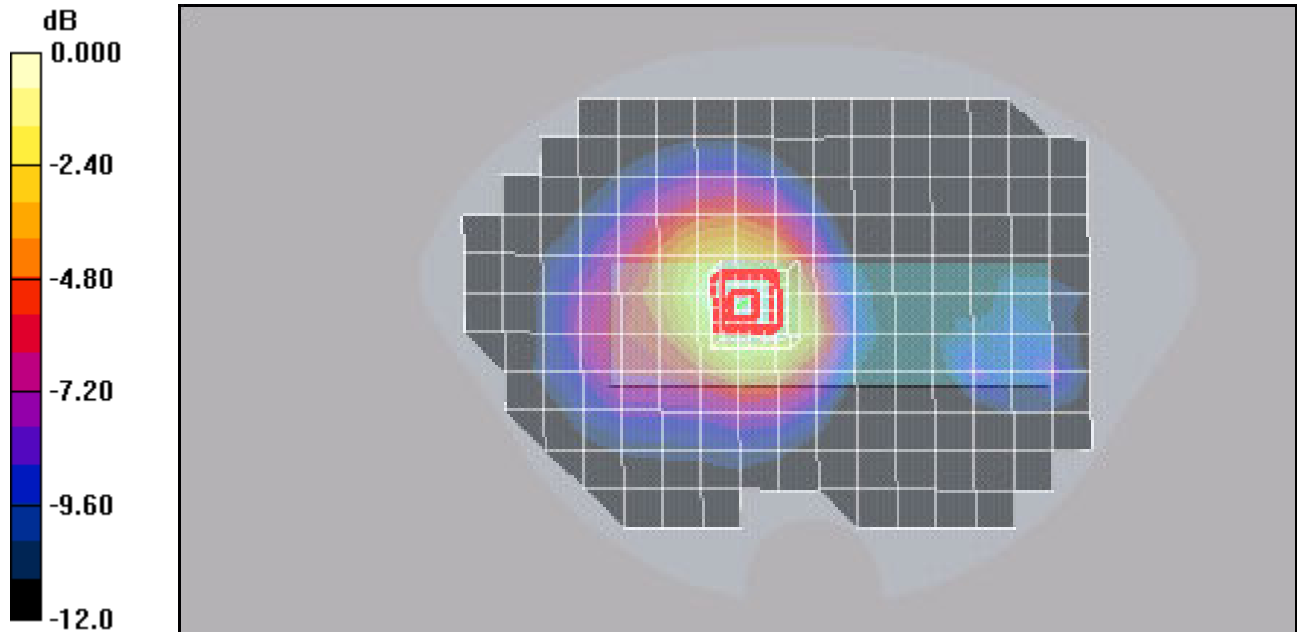
Reference Value = 8.42 V/m; Power Drift = 0.055 dB

Peak SAR (extrapolated) = 0.235 W/kg

SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.105 mW/g

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

Maximum value of SAR (measured) = 0.168 mW/g



0 dB = 0.168mW/g

Test Laboratory: Kyocera-Wireless Corp.

S4000 #1245 CDMA-1900 Ch1175 Flat Phone Closed with 15mm Air Space and S032 RC3 (FCH+SCH)

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1

Medium: M1800, Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 54.1$; $\rho = 1000$ 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 176

Temperature:

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

CDMA-1900 FLAT Ch1175/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.1 V/m; Power Drift = -0.158 dB

Peak SAR (extrapolated) = 0.418 W/kg

SAR(1 g) = 0.265 mW/g; SAR(10 g) = 0.170 mW/g

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

Maximum value of SAR (measured) = 0.282 mW/g

CDMA-1900 FLAT Ch1175/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

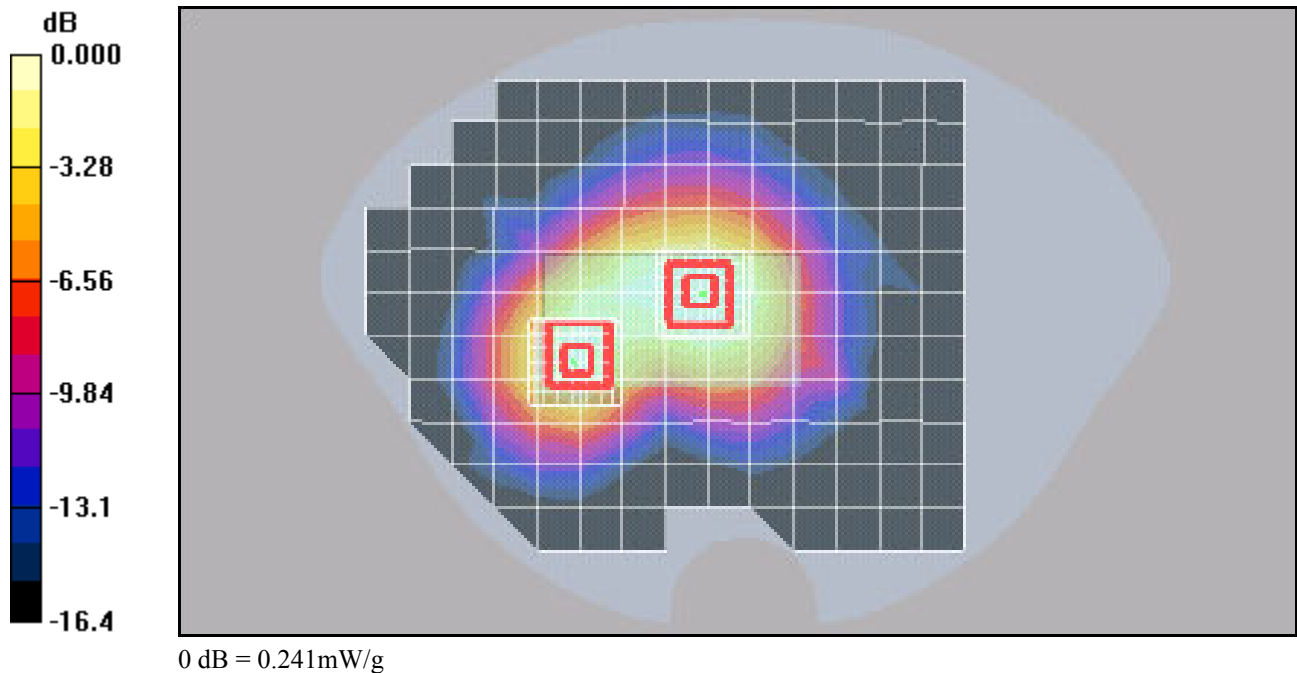
Reference Value = 12.1 V/m; Power Drift = -0.158 dB

Peak SAR (extrapolated) = 0.381 W/kg

SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.130 mW/g

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

Maximum value of SAR (measured) = 0.241 mW/g



Test Laboratory: Kyocera-Wireless Corp.

S4000 #1245 CDMA-1900 Ch1175 Flat Phone Closed with CV90-P0323-01 and S032 RC3 (FCH+SCH)

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1

Medium: M1800, Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 54.1$; $\rho = 1000$ 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 176

Temperature:

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

CDMA-1900 FLAT Ch1175/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.66 V/m; Power Drift = -0.122 dB

Peak SAR (extrapolated) = 0.175 W/kg

SAR(1 g) = 0.101 mW/g; SAR(10 g) = 0.066 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

CDMA-1900 FLAT Ch1175/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

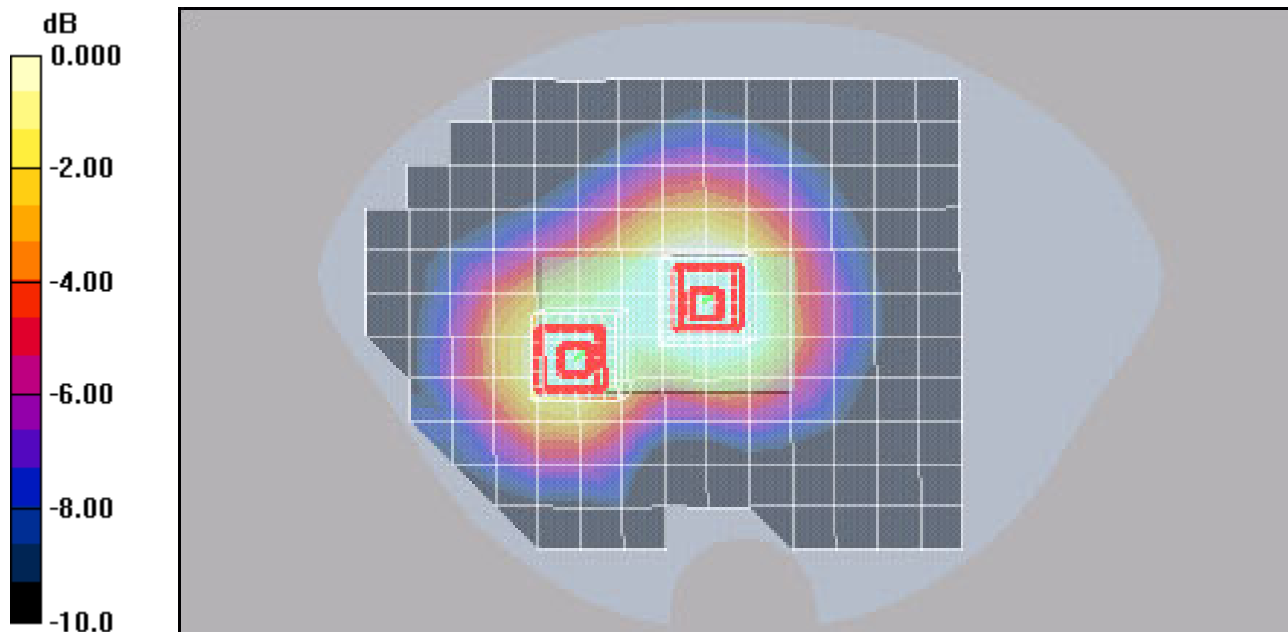
Reference Value = 8.66 V/m; Power Drift = -0.122 dB

Peak SAR (extrapolated) = 0.105 W/kg

SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.042 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.068 mW/g



0 dB = 0.068mW/g