

Appendix B2:

SAR Distribution Plots (Body)

Test Laboratory: Kyocera Wireless Corp.

KX21-2X0 #Y7QW AMPS ch383 Flat with 25mm Air Space, Standard Battery and Bluetooth

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

Medium: M900, Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 56.3$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV2 - SN3036, ConvF(5.85, 5.85, 5.85), Calibrated: 10/25/2005

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

Electronics: DAE3 Sn493, Calibrated: 11/14/2005

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

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

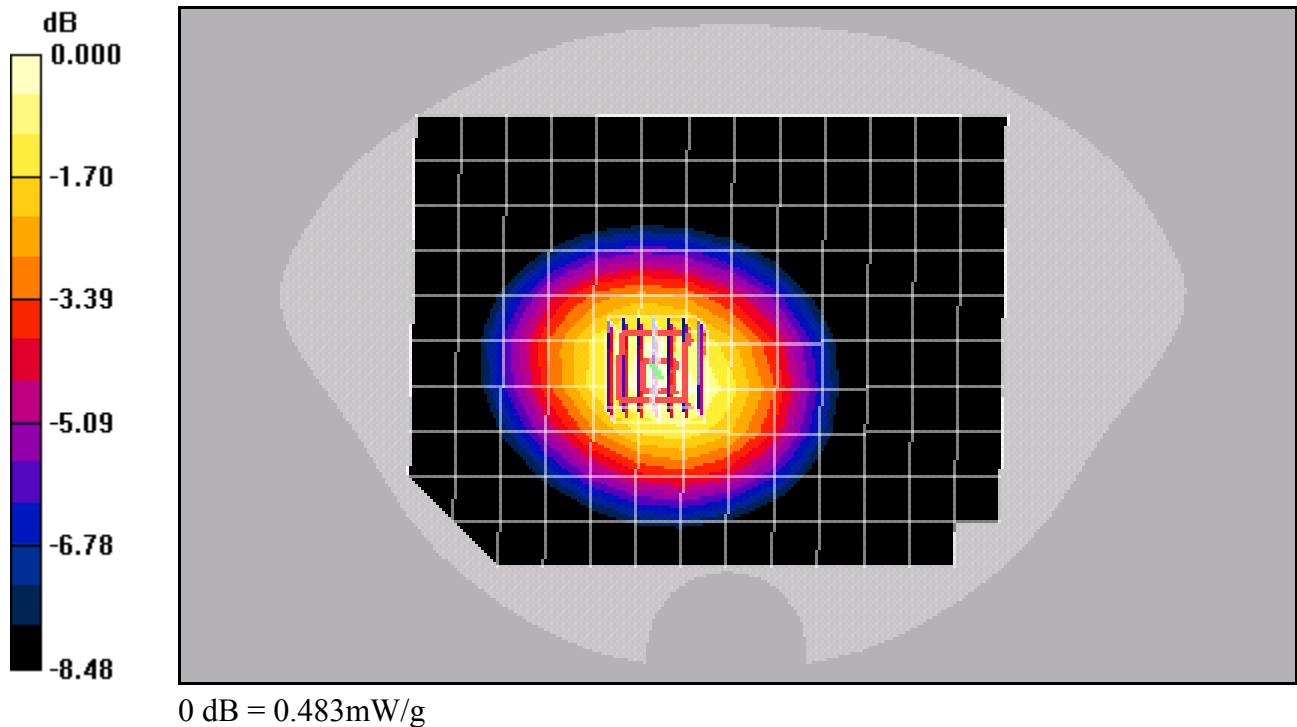
AMPS Ch383 FLAT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.6 V/m; Power Drift = -0.114 dB

Peak SAR (extrapolated) = 0.598 W/kg

SAR(1 g) = 0.458 mW/g; SAR(10 g) = 0.333 mW/g

Maximum value of SAR (measured) = 0.483 mW/g



Test Laboratory: Kyocera Wireless Corp.

KX21-2X0 #Y7QW AMPS ch383 Flat with CV90-61346 Pouch and Standard Battery

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

Medium: M900, Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 56.3$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV2 - SN3036, ConvF(5.85, 5.85, 5.85), Calibrated: 10/25/2005

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

Electronics: DAE3 Sn493, Calibrated: 11/14/2005

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

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

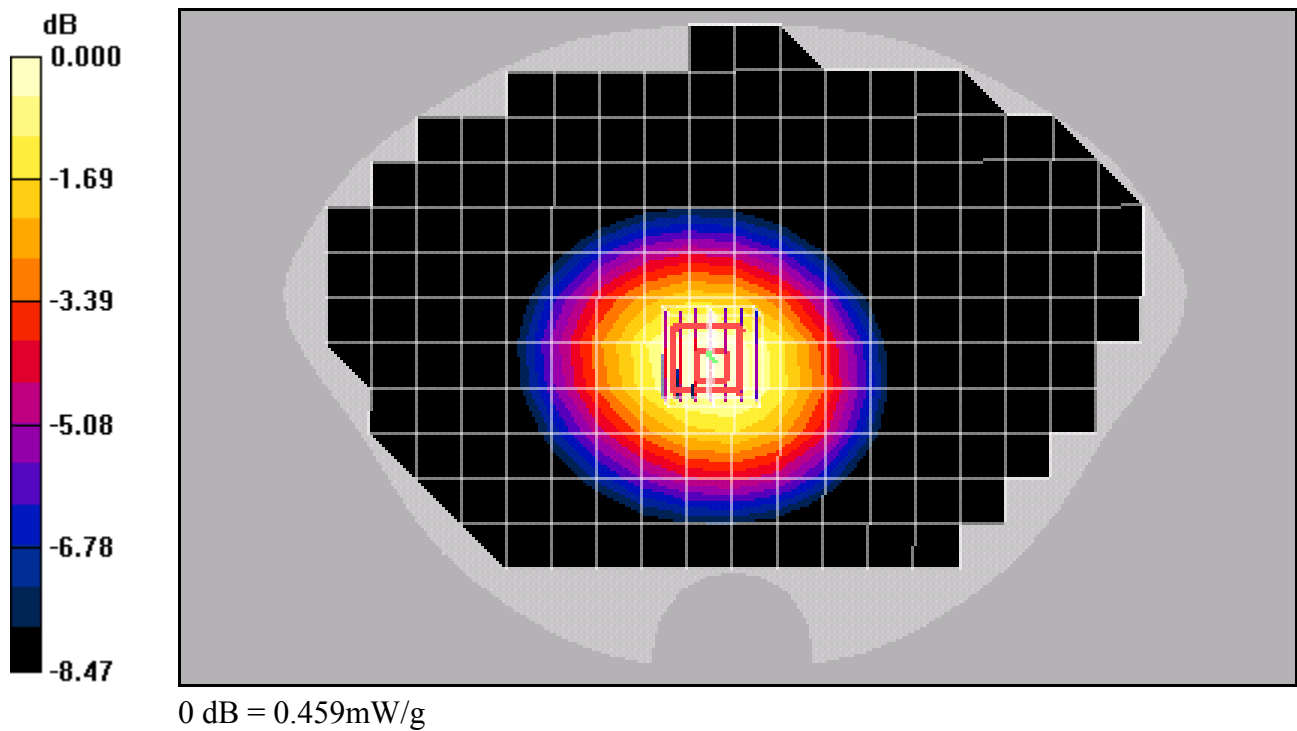
AMPS Ch383 FLAT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.0 V/m; Power Drift = -0.168 dB

Peak SAR (extrapolated) = 0.564 W/kg

SAR(1 g) = 0.435 mW/g; SAR(10 g) = 0.320 mW/g

Maximum value of SAR (measured) = 0.459 mW/g



Test Laboratory: Kyocera Wireless Corp.

KX21-2X0 #Y7QW AMPS ch383 Flat with TXLCC10354 Pouch and Standard Battery

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

Medium: M900, Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 56.3$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV2 - SN3036, ConvF(5.85, 5.85, 5.85), Calibrated: 10/25/2005

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

Electronics: DAE3 Sn493, Calibrated: 11/14/2005

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

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

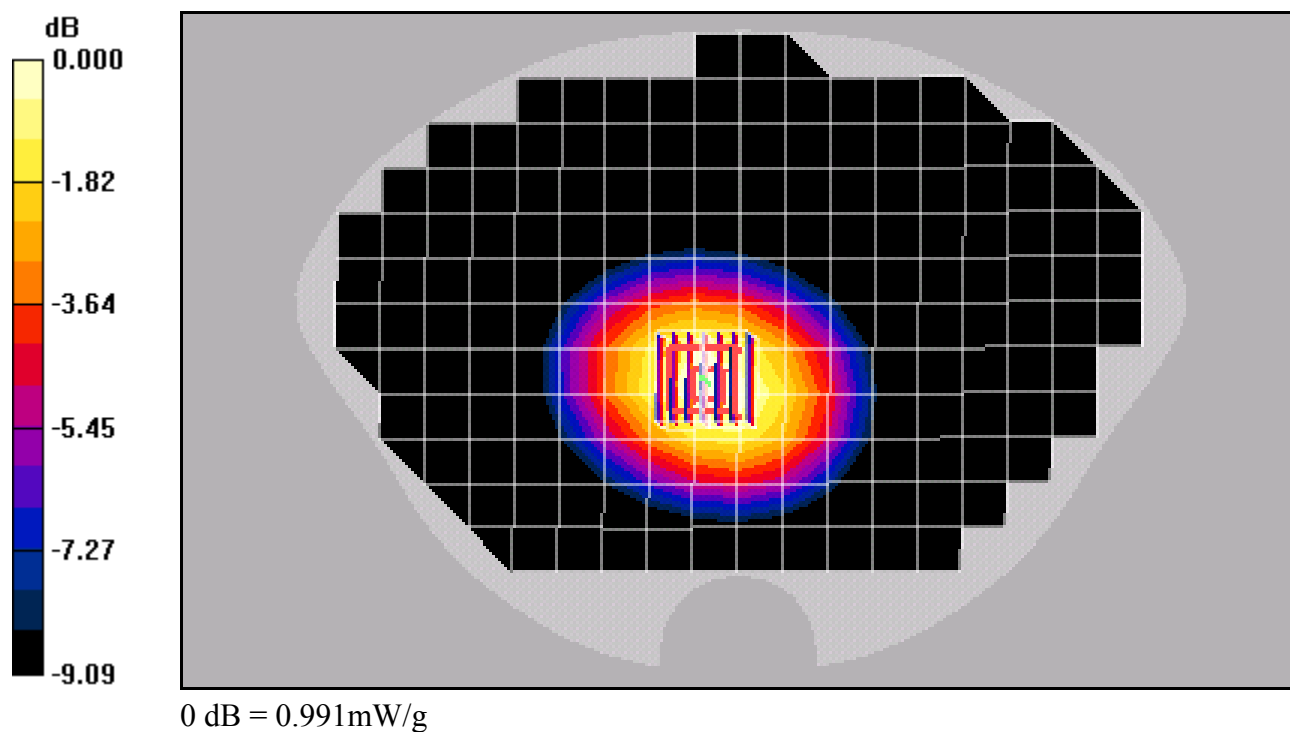
AMPS Ch383 FLAT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

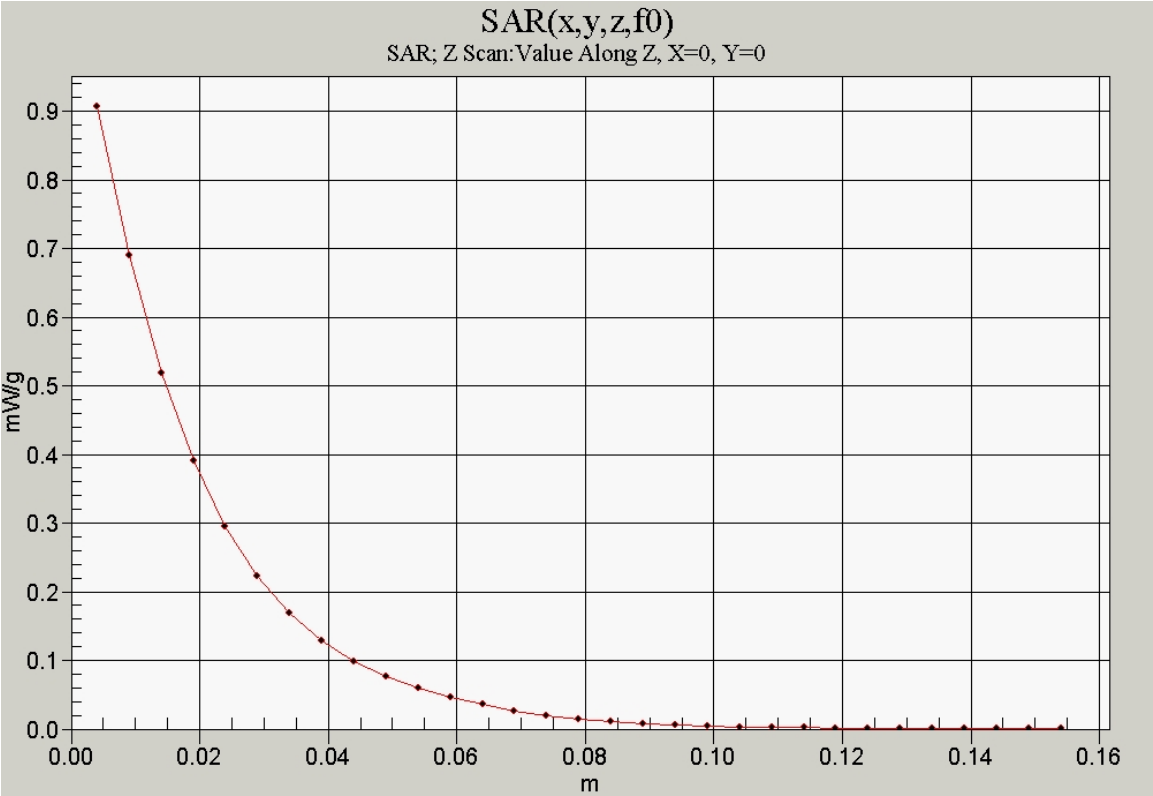
Reference Value = 29.3 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.934 mW/g; SAR(10 g) = 0.669 mW/g

Maximum value of SAR (measured) = 0.991 mW/g





Test Laboratory: Kyocera Wireless Corp.

KX21-2X0 #Y7QW CDMA-800 ch383 Flat with 25mm Air Space, Standard Battery and Bluetooth

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; $\epsilon_r = 56.3$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV2 - SN3036, ConvF(5.85, 5.85, 5.85), Calibrated: 10/25/2005

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

Electronics: DAE3 Sn493, Calibrated: 11/14/2005

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

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

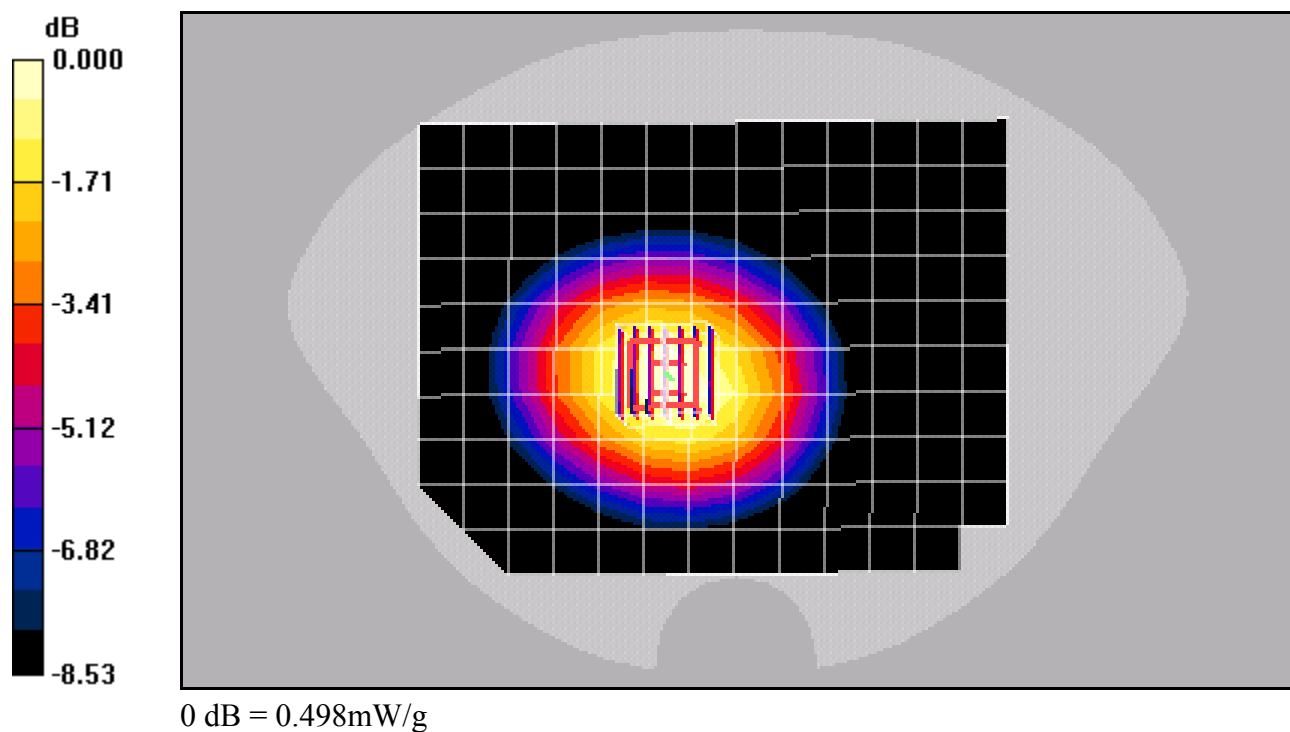
CDMA-800 Ch383 FLAT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.3 V/m; Power Drift = -0.050 dB

Peak SAR (extrapolated) = 0.615 W/kg

SAR(1 g) = 0.472 mW/g; SAR(10 g) = 0.343 mW/g

Maximum value of SAR (measured) = 0.498 mW/g



Test Laboratory: Kyocera Wireless Corp.

KX21-2X0 #Y7QW CDMA-800 ch383 Flat with CV90-61346 Pouch and Standard 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; $\epsilon_r = 56.3$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV2 - SN3036, ConvF(5.85, 5.85, 5.85), Calibrated: 10/25/2005

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

Electronics: DAE3 Sn493, Calibrated: 11/14/2005

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

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

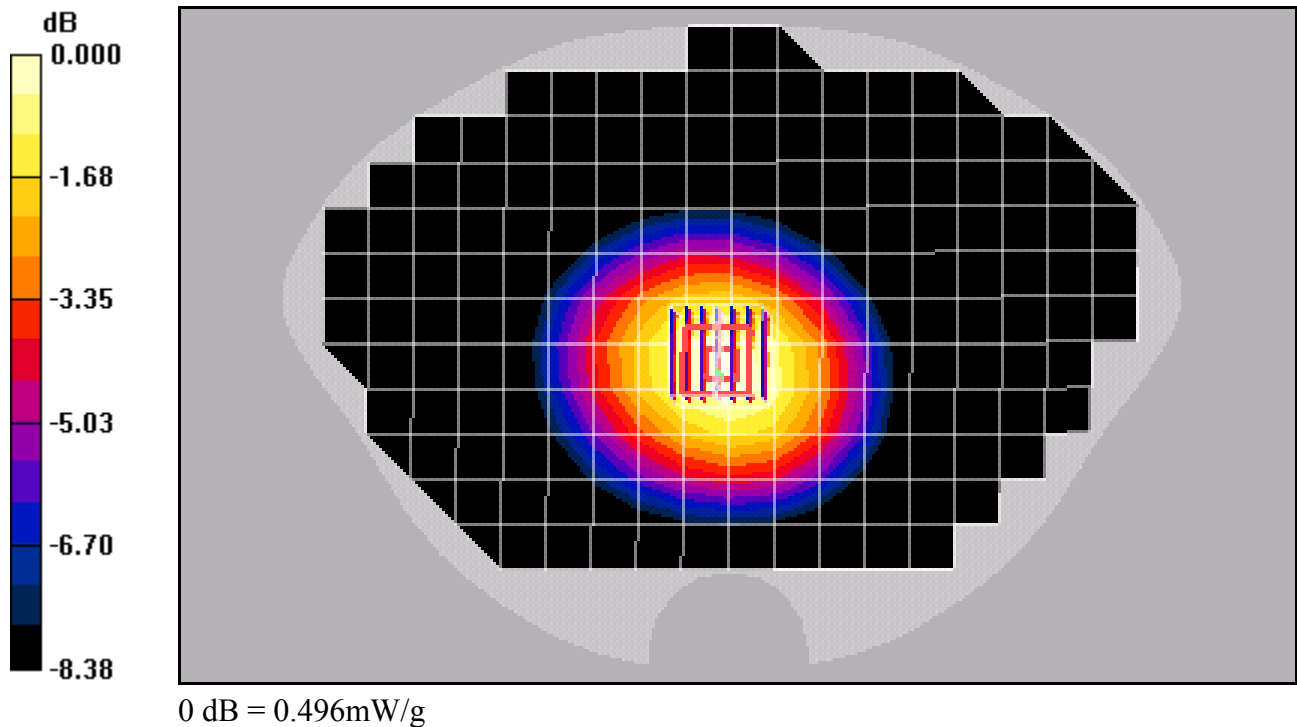
CDMA-800 Ch383 FLAT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.9 V/m; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 0.611 W/kg

SAR(1 g) = 0.472 mW/g; SAR(10 g) = 0.346 mW/g

Maximum value of SAR (measured) = 0.496 mW/g



Test Laboratory: Kyocera Wireless Corp.

KX21-2X0 #Y7QW CDMA-800 ch383 Flat with CV90-P096A Pouch, Standard Battery and Bluetooth

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

Medium: M900, Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 56.3$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV2 - SN3036, ConvF(5.85, 5.85, 5.85), Calibrated: 10/25/2005

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

Electronics: DAE3 Sn493, Calibrated: 11/14/2005

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

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

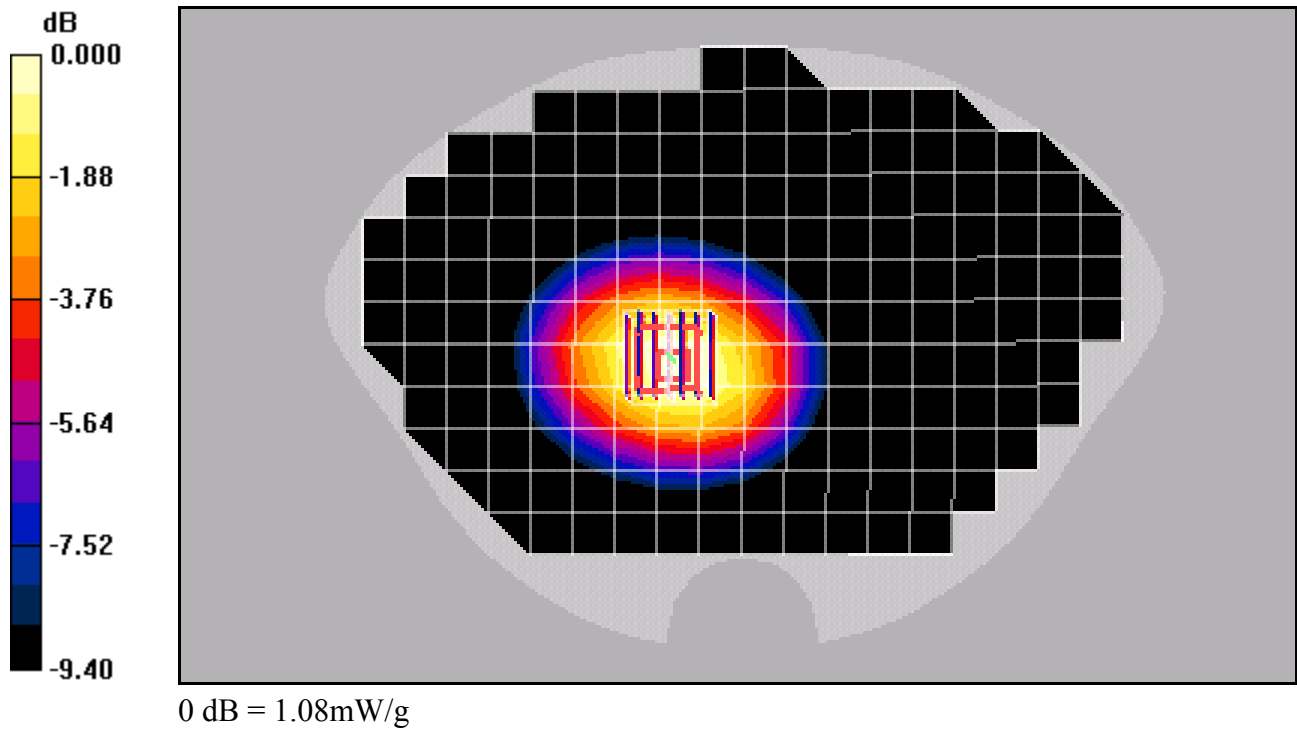
CDMA-800 Ch777 FLAT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

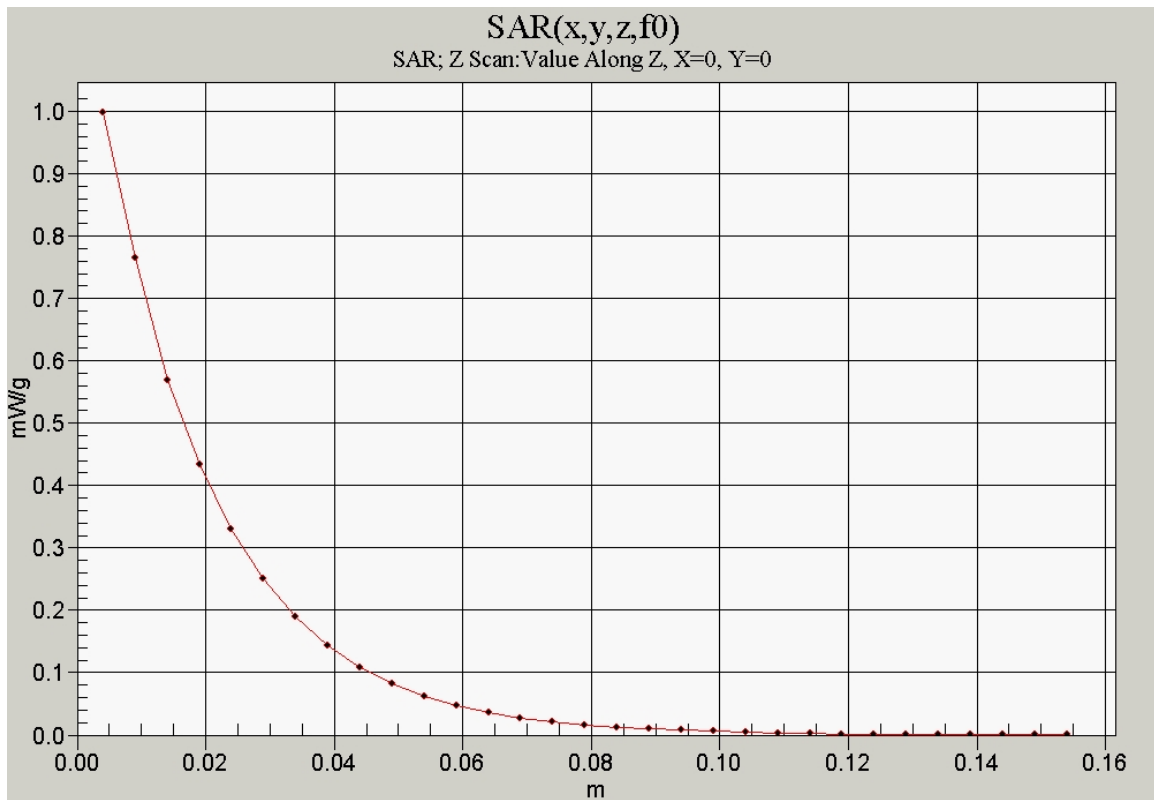
Reference Value = 26.9 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.717 mW/g

Maximum value of SAR (measured) = 1.08 mW/g





Test Laboratory: Kyocera Wireless Corp.

KX21-2X0 #Y7QW CDMA-1900 ch600 Flat with 25mm Air Space and Standard Battery

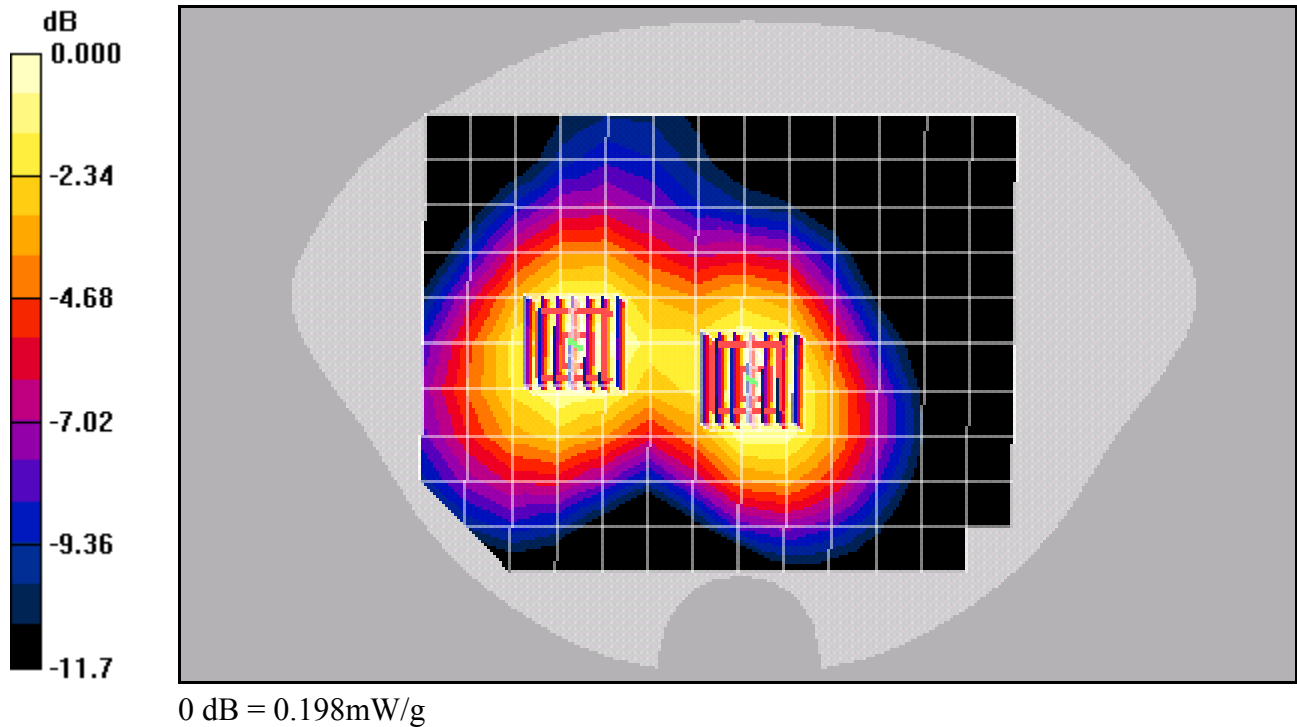
Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: M1800,Medium parameters used: f = 1880 MHz; $\sigma = 1.46 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
Phantom: SAM 12,Phantom section: Flat Section

DASY4 Configuration:
Probe: ES3DV2 - SN3036, ConvF(4.48, 4.48, 4.48), Calibrated: 10/25/2005
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE3 Sn493,Calibrated: 11/14/2005
Measurement SW: DASY4, V4.4 Build 3
Postprocessing SW: SEMCAD, V1.8 Build 160

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

PCS Ch600 FLAT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.2 V/m; Power Drift = 0.110 dB
Peak SAR (extrapolated) = 0.269 W/kg
SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.126 mW/g
Maximum value of SAR (measured) = 0.203 mW/g

PCS Ch600 FLAT/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.2 V/m; Power Drift = 0.110 dB
Peak SAR (extrapolated) = 0.258 W/kg
SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.126 mW/g
Maximum value of SAR (measured) = 0.198 mW/g



Test Laboratory: Kyocera Wireless Corp.

KX21-2X0 #Y7QW CDMA-1900 ch600 Flat with CV90-61346 Pouch and Standard Battery

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

Medium: M1800, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV2 - SN3036, ConvF(4.48, 4.48, 4.48), Calibrated: 10/25/2005

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

Electronics: DAE3 Sn493, Calibrated: 11/14/2005

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

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

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

Reference Value = 12.7 V/m; Power Drift = 0.029 dB

Peak SAR (extrapolated) = 0.361 W/kg

SAR(1 g) = 0.250 mW/g; SAR(10 g) = 0.158 mW/g

Maximum value of SAR (measured) = 0.272 mW/g

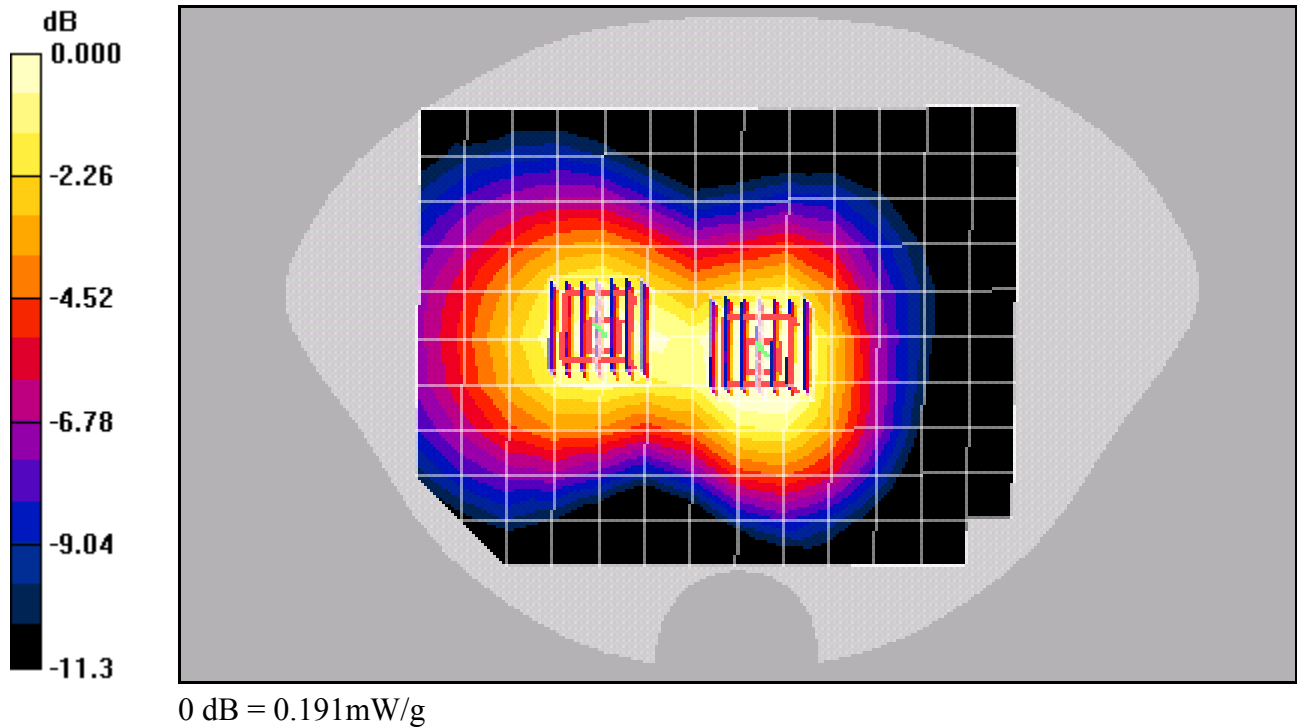
PCS Ch600 FLAT/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.7 V/m; Power Drift = 0.029 dB

Peak SAR (extrapolated) = 0.248 W/kg

SAR(1 g) = 0.179 mW/g; SAR(10 g) = 0.122 mW/g

Maximum value of SAR (measured) = 0.191 mW/g



Test Laboratory: Kyocera Wireless Corp.

KX21-2X0 #Y7QW CDMA-1900 ch600 Flat with CV90-P096A Pouch and Standard Battery

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

Medium: M1800, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV2 - SN3036, ConvF(4.48, 4.48, 4.48), Calibrated: 10/25/2005

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

Electronics: DAE3 Sn493, Calibrated: 11/14/2005

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

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

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

Reference Value = 17.5 V/m; Power Drift = 0.019 dB

Peak SAR (extrapolated) = 0.725 W/kg

SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.322 mW/g

Maximum value of SAR (measured) = 0.547 mW/g

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

Reference Value = 17.5 V/m; Power Drift = 0.019 dB

Peak SAR (extrapolated) = 0.475 W/kg

SAR(1 g) = 0.341 mW/g; SAR(10 g) = 0.229 mW/g

Maximum value of SAR (measured) = 0.367 mW/g

