

APPENDIX B:
SAR Distribution Plots
For
Model KX2

Section 2**SAR Distribution plots for Body Worn Configuration**

Date/Time: 12/03/03 19:44:32

Test Laboratory: Kyocera Wireless Corporation
File Name: [KX2 #4G7T, FCC AMPS ch383, Only, Flat with 25mm Air Separation, ANTENNA RETRACTED, 12-03-03.dad](#)

KX2 #4G7T, AMPS ch383, Flat with 25mm Air Gap, ANTENNA RETRACTED, 12-03-03

DUT: KX2

Communication System: AMPS, Frequency: 836 MHz, Duty Cycle: 1:1
Medium: Head 835 MHz, ($\sigma = 0.951$ mho/m, $\epsilon_r = 54.35$, $\rho = 1000$ kg/m³)
Phantom: SAM 12, Phantom section: Flat Section

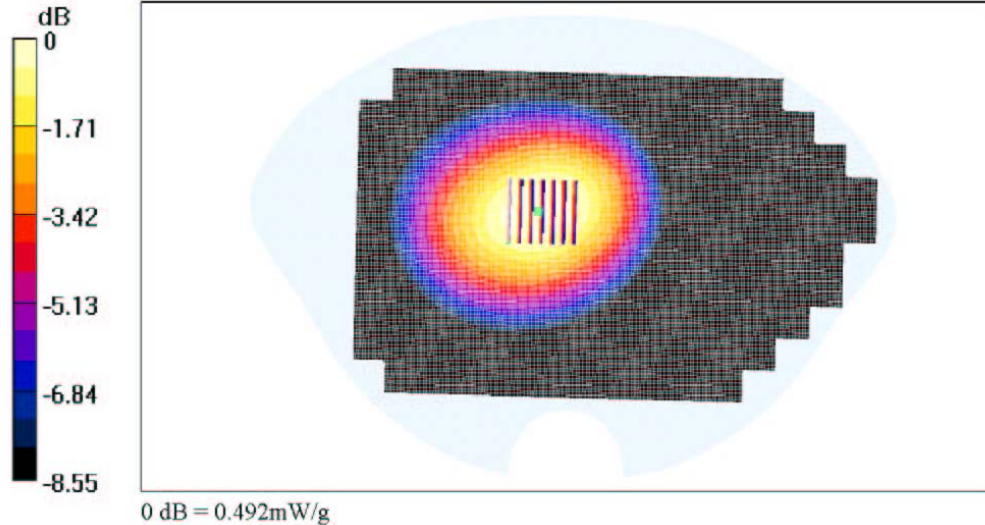
DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(6.6, 6.6, 6.6), Calibrated: 10/10/2003
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn527, Calibrated: DAE not calibrated
Measurement SW: DASY4, V4.1 Build 47
Postprocessing SW: SEMCAD, V1.6 Build 115

Temperature

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

AMPS Ch383 Flat/Area Scan (101x161x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 20.4 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.493 mW/g

AMPS Ch383 Flat/Zoom Scan 2 (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.576 W/kg
SAR(1 g) = 0.466 mW/g, SAR(10 g) = 0.343 mW/g
Reference Value = 20.4 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.492 mW/g



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Date/Time: 12/03/03 19:44:22

Test Laboratory: Kyocera Wireless Corporation
File Name: [KX2 #4G7T, FCC AMPS ch383 EXTENDED Only, Flat with 25mm Air Separation, 12-08-03.d4](#)

KX2 #4G7T, AMPS ch383, Flat with 25mm Air Gap, ANTENNA EXTENDED, 12-08-03

DUT: KX2

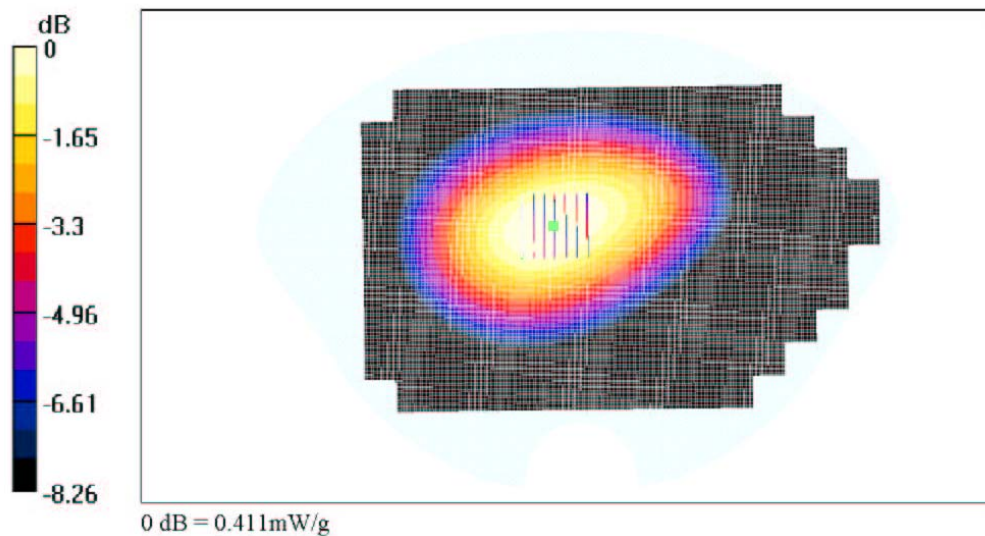
Communication System: AMPS, Frequency: 836 MHz, Duty Cycle: 1:1
Medium: Head 835 MHz, ($\sigma = 0.951$ mho/m, $\epsilon_r = 54.35$, $\rho = 1000$ kg/m³)
Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(6.6, 6.6, 6.6), Calibrated: 10/10/2003
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn527, Calibrated: DAE not calibrated
Measurement SW: DASY4, V4.1 Build 47
Postprocessing SW: SEMCAD, V1.6 Build 115

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

AMPS Ch383 Flat/Area Scan (301x161x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 19.4 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.422 mW/g

AMPS Ch383 Flat/Zoom Scan 2 (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.494 W/kg
SAR(1 g) = 0.39 mW/g, SAR(10 g) = 0.287 mW/g
Reference Value = 19.4 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.411 mW/g



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Date/Time: 12/03/03 14:54:57

Test Laboratory: Kyocera Wireless Corporation
File Name: [KX2 #4G7T, FCC AMPS ch383 Only, Flat with Kyocera Belt Clip, ANTENNA RETRACTED, 12-08-03.das](#)

KX2 #4G7T, AMPS ch383, Flat with Kyocera Belt Clip, ANTENNA RETRACTED, 12-08-03

DUT: KX2

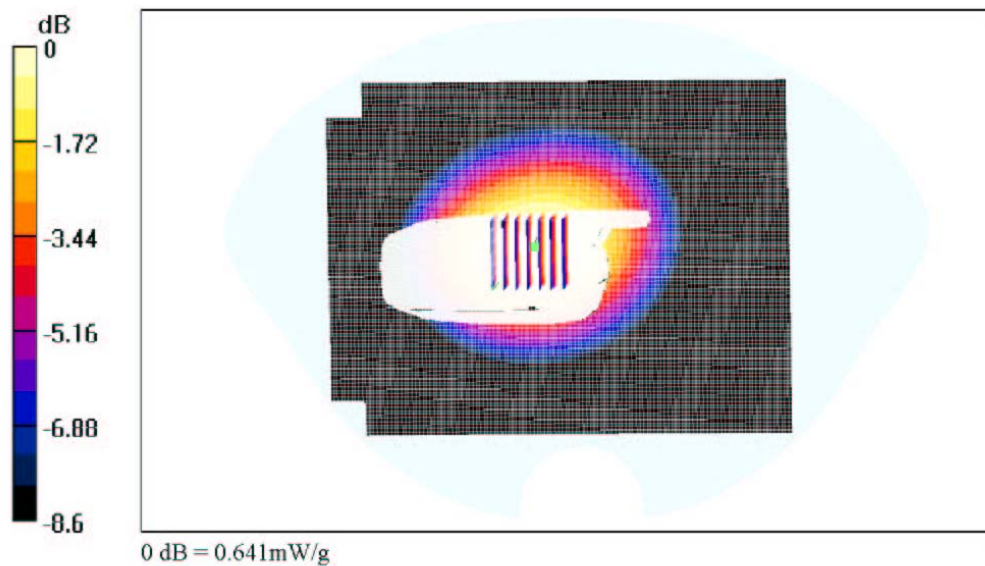
Communication System: AMPS, Frequency: 836 MHz, Duty Cycle: 1:1
Medium: Head 835 MHz, ($\sigma = 0.951$ mho/m, $\epsilon_r = 54.35$, $\rho = 1000$ kg/m³)
Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(6.6, 6.6, 6.6), Calibrated: 10/10/2003
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn527, Calibrated: DAE not calibrated
Measurement SW: DASY4, V4.1 Build 47
Postprocessing SW: SEMCAD, V1.6 Build 115

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

AMPS Ch383 Flat/Area Scan (301x131x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 26.2 V/m
Power Drift = -0.01 dB
Maximum value of SAR = 0.694 mW/g

AMPS Ch383 Flat/Zoom Scan 2 (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.768 W/kg
SAR(1 g) = 0.608 mW/g, SAR(10 g) = 0.441 mW/g
Reference Value = 26.2 V/m
Power Drift = -0.01 dB
Maximum value of SAR = 0.641 mW/g



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Date/Time: 12/15/03 09:31:59

Test Laboratory: Kyocera Wireless Corporation

File Name: [KX2 #4G7T, Extended Battery, FCC AMPS ch383 Only, Flat with Kyocera Belt Clip, ANTENNA RETRACTED, 12-12-03.d44](#)

KX2 #4G7T, AMPS ch383, Flat with Kyocera Belt Clip, ANTENNA RETRACTED, 12-12-03

DUT: KX2

Communication System: AMPS, Frequency: 836 MHz, Duty Cycle: 1:1

Medium: Head 835 MHz, ($\sigma = 0.932$ mho/m, $\epsilon_r = 54.85$, $\rho = 1000$ kg/m³)

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1618, ConvF(6.6, 6.6, 6.6), Calibrated: 10/10/2003

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

Electronics: DAE3 Sn527, Calibrated: DAE not calibrated

Measurement SW: DASY4, V4.1 Build 47

Postprocessing SW: SEMCAD, V1.6 Build 115

Temperature

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

AMPS Ch383 Flat/Area Scan (101x131x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 20.1 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.484 mW/g

AMPS Ch383 Flat/Zoom Scan 2 (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

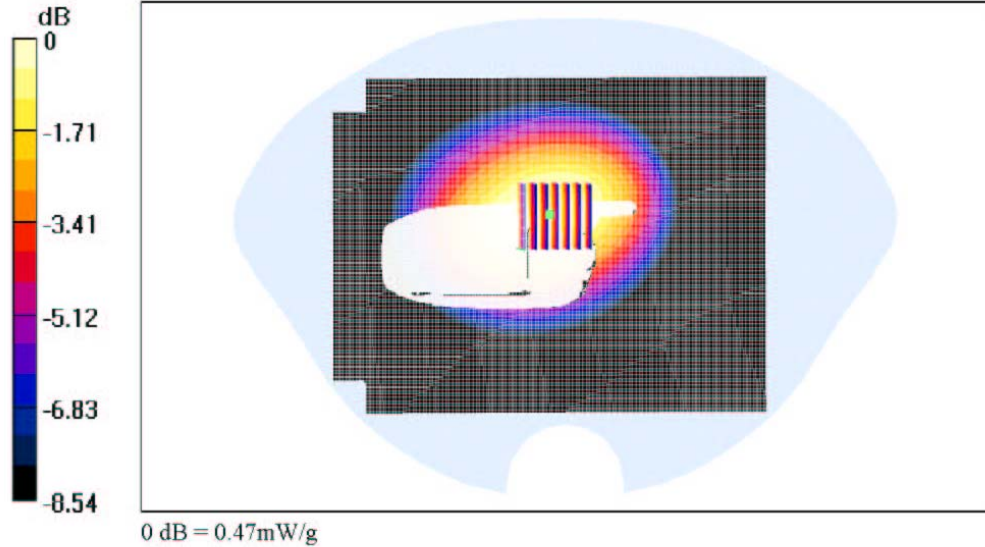
Peak SAR (extrapolated) = 0.565 W/kg

SAR(1 g) = 0.447 mW/g, SAR(10 g) = 0.326 mW/g

Reference Value = 20.1 V/m

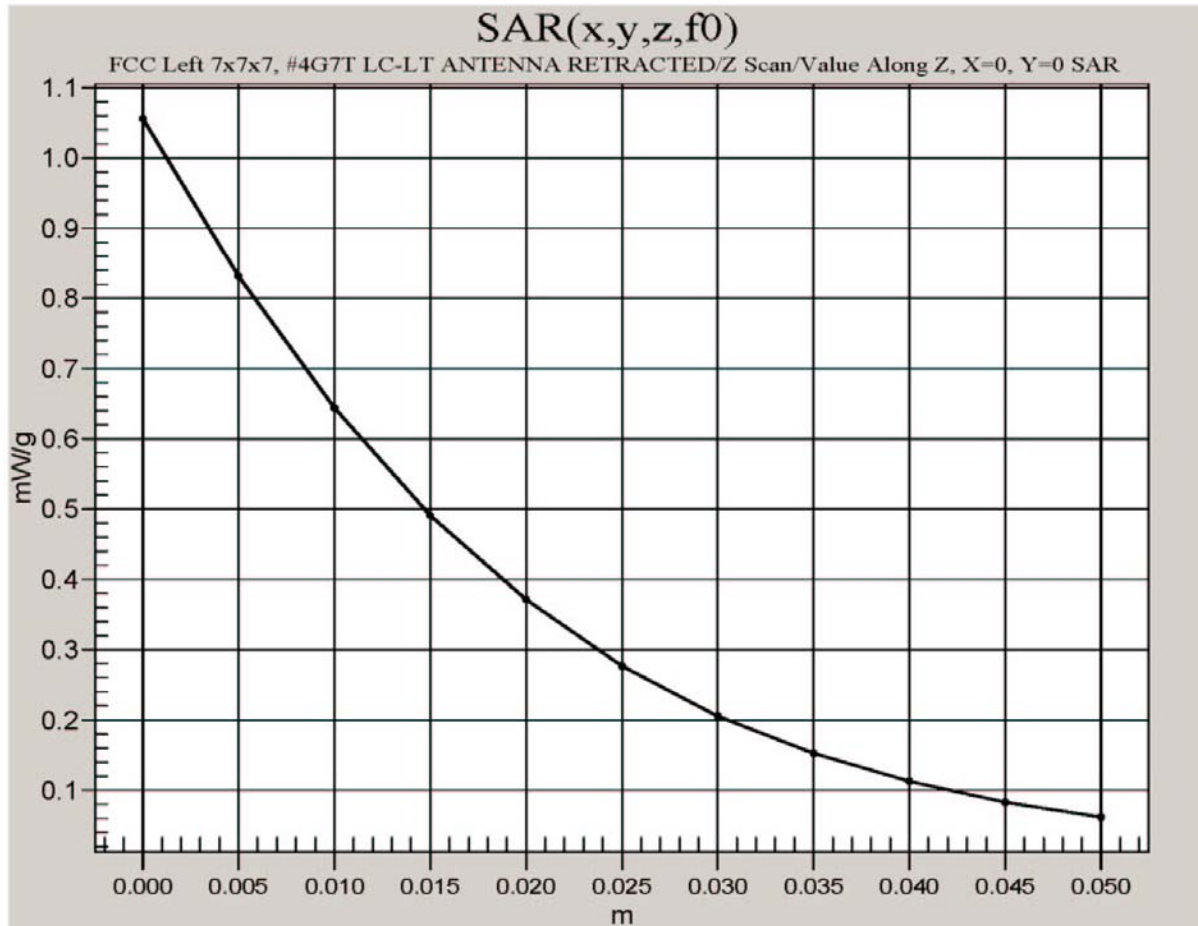
Power Drift = -0.2 dB

Maximum value of SAR = 0.47 mW/g



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KX2 #4G7T, AMPS 383, Flat with Kyocera Holster/Belt Clip, Extended Battery, Antenna Retracted



Date/Time: 12/09/03 11:04:49

Test Laboratory: Kyocera Wireless Corporation
File Name: [KX2 #4G7T, FCC AMPS ch383 EXTENDED Only, Flat with Kyocera Belt Clip, 12-09-03.dad](#)

KX2 #4G7T, AMPS ch383, Flat with Kyocera Belt Clip, ANTENNA EXTENDED, 12-09-03

DUT: KX2

Communication System: AMPS, Frequency: 836 MHz, Duty Cycle: 1:1
Medium: Head 835 MHz, ($\sigma = 0.951$ mho/m, $\epsilon_r = 54.35$, $\rho = 1000$ kg/m³)
Phantom: SAM 12, Phantom section: Flat Section

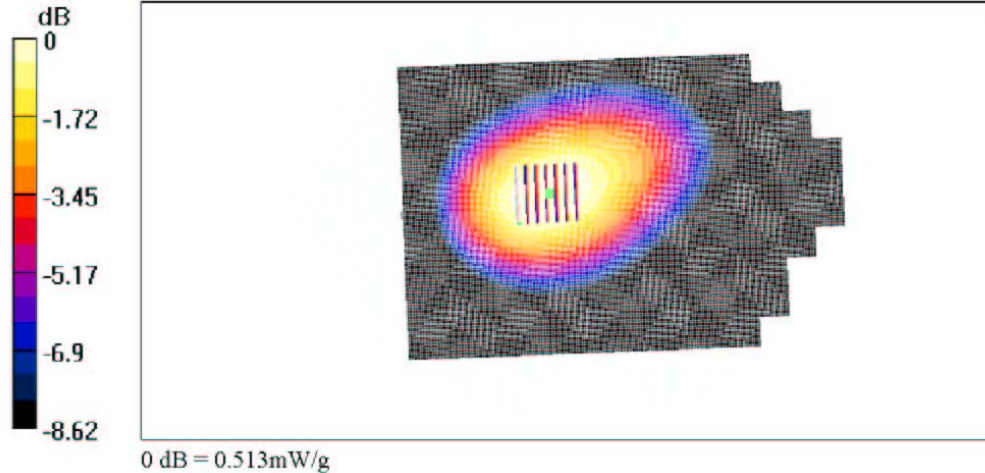
DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(6.6, 6.6, 6.6), Calibrated: 10/10/2003
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn527, Calibrated: DAE not calibrated
Measurement SW: DASY4, V4.1 Build 47
Postprocessing SW: SEMCAD, V1.6 Build 115

Temperature

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

AMPS Ch383 Flat/Area Scan (101x171x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 22.1 V/m
Power Drift = 0.2 dB
Maximum value of SAR = 0.54 mW/g

AMPS Ch383 Flat/Zoom Scan 2 (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.614 W/kg
SAR(1 g) = 0.485 mW/g, SAR(10 g) = 0.353 mW/g
Reference Value = 22.1 V/m
Power Drift = 0.2 dB
Maximum value of SAR = 0.513 mW/g



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Date/Time: 12/09/03 11:08:50

Test Laboratory: Kyocera Wireless Corporation

File Name: [KX2 #4G7T, FCC AMPS ch383, Only, Flat with Gray-Black Nylon Case, ANTENNA RETRACTED, 12-08-03.dad](#)

KX2 #4G7T, AMPS ch383, Flat with Leather Case, ANTENNA RETRACTED, 12-08-03

DUT: KX2

Communication System: AMPS, Frequency: 836 MHz, Duty Cycle: 1:1

Medium: Head 835 MHz, ($\sigma = 0.951$ mho/m, $\epsilon_r = 54.35$, $\rho = 1000$ kg/m³)

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1618, ConvF(6.6, 6.6, 6.6), Calibrated: 10/10/2003

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

Electronics: DAE3 Sn527, Calibrated: DAE not calibrated

Measurement SW: DASY4, V4.1 Build 47

Postprocessing SW: SEMCAD, V1.6 Build 115

Temperature

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

AMPS Ch383 Flat/Area Scan (101x161x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 18.8 V/m

Power Drift = 0.2 dB

Maximum value of SAR = 0.39 mW/g

AMPS Ch383 Flat/Zoom Scan 2 (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

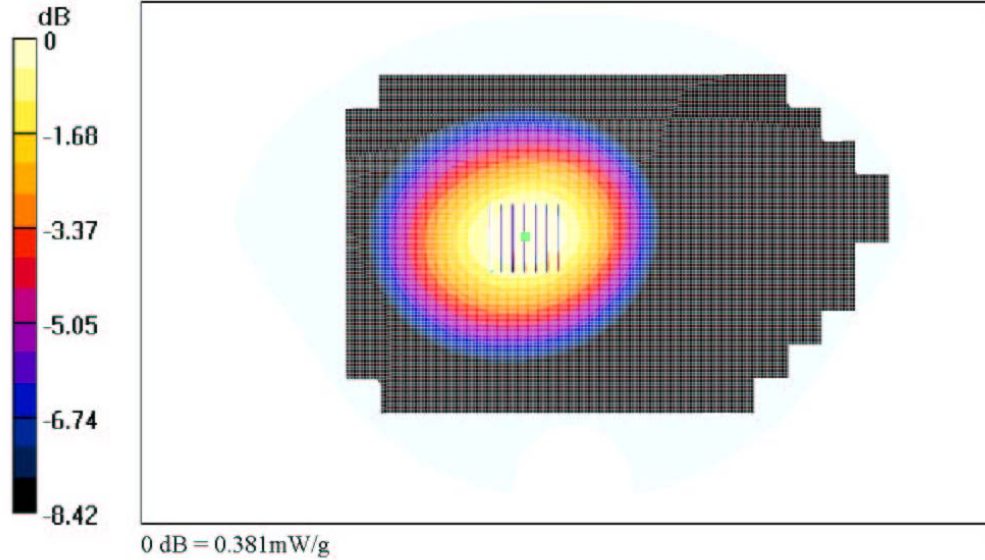
Peak SAR (extrapolated) = 0.454 W/kg

SAR(1 g) = 0.362 mW/g, SAR(10 g) = 0.265 mW/g

Reference Value = 18.8 V/m

Power Drift = 0.2 dB

Maximum value of SAR = 0.381 mW/g



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Date/Time: 12/08/03 21:33:56

Test Laboratory: Kyocera Wireless Corporation
File Name: [KX2 #4G7T, FCC AMPS ch383 EXTENDED Only, Flat with Gray-Black Nylon Case, 12-08-03.d4](#)

KX2 #4G7T, AMPS ch383, Flat with Leather Case, ANTENNA EXTENDED, 12-08-03

DUT: KX2

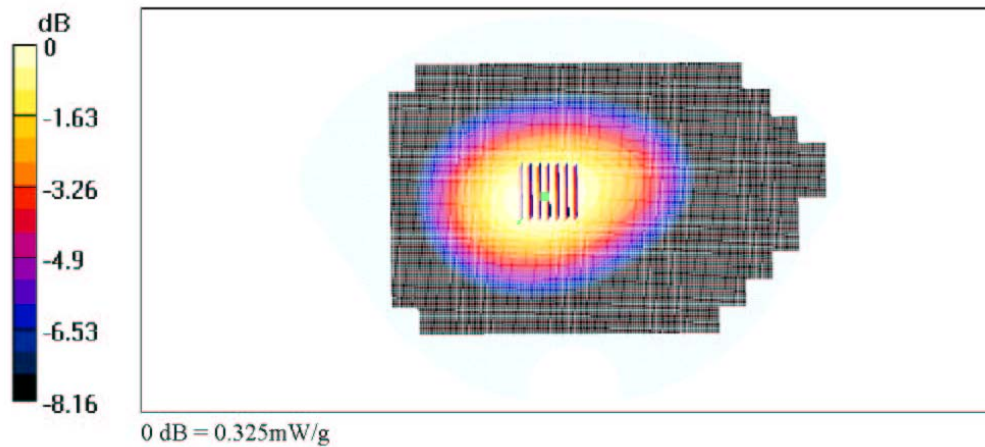
Communication System: AMPS, Frequency: 836 MHz, Duty Cycle: 1:1
Medium: Head 835 MHz, ($\sigma = 0.951$ mho/m, $\epsilon_r = 54.35$, $\rho = 1000$ kg/m³)
Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(6.6, 6.6, 6.6), Calibrated: 10/10/2003
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn527, Calibrated: DAE not calibrated
Measurement SW: DASY4, V4.1 Build 47
Postprocessing SW: SEMCAD, V1.6 Build 115

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

AMPS Ch383 Flat/Area Scan (101x161x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 19 V/m
Power Dnft = 0.1 dB
Maximum value of SAR = 0.342 mW/g

AMPS Ch383 Flat/Zoom Scan 2 (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.391 W/kg
SAR(1 g) = 0.31 mW/g, SAR(10 g) = 0.229 mW/g
Reference Value = 19 V/m
Power Dnft = 0.1 dB
Maximum value of SAR = 0.325 mW/g



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Date/Time: 12/09/03 10:58:29

Test Laboratory: Kyocera Wireless Corporation
File Name: [KX2 #4G7T, FCC CDMA800 ch383 Only, Flat with Air 25mm, ANTENNA RETRACTED, 12-09-03.daf](#)

KX2 #4G7T, CDMA800 ch383, Flat with 25mm Air Gap, ANTENNA RETRACTED, 12-09-03

DUT: KX2

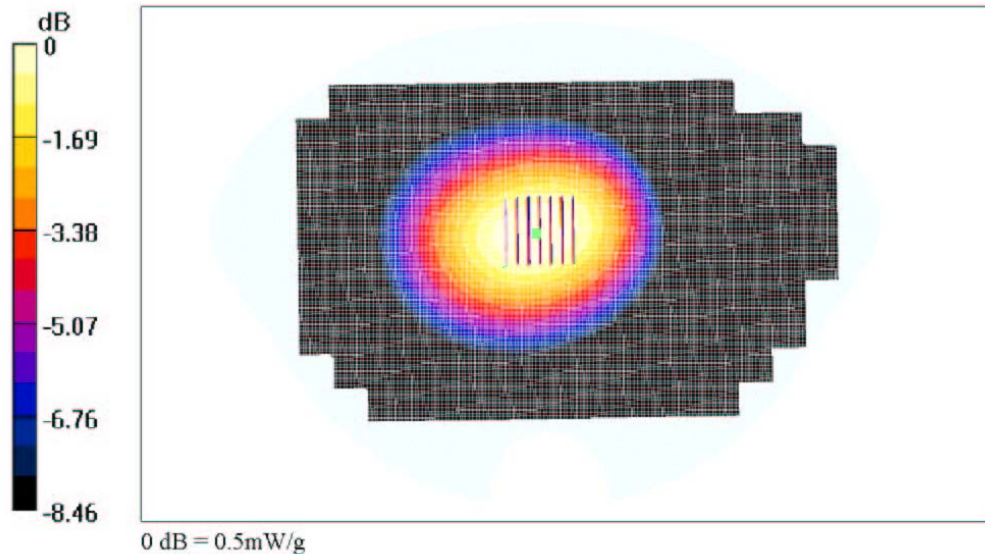
Communication System: 800-CDMA, Frequency: 837 MHz, Duty Cycle: 1:1
Medium: Head 835 MHz, ($\sigma = 0.97 \text{ mho/m}$, $\epsilon_r = 55.04$, $\rho = 1000 \text{ kg/m}^3$)
Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(6.6, 6.6, 6.6), Calibrated: 10/10/2003
Sensor-Surface: 5mm (Mechanical And Optical Surface Detection)
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn527, Calibrated: DAE not calibrated
Measurement SW: DASY4, V4.1 Build 47
Postprocessing SW: SEMCAD, V1.6 Build 115

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

CDMA800 Ch383 Flat/Area Scan (101x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 24.2 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.509 mW/g

CDMA800 Ch383 Flat/Zoom Scan 2 (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.561 W/kg
SAR(1 g) = 0.474 mW/g, SAR(10 g) = 0.353 mW/g
Reference Value = 24.2 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.5 mW/g



file://C:\FCC%\20Reports\K10\HTML%20-%20PCS\KX2%20#4G7T, FCC CDMA800 c... 12/16/2003

Date/Time: 12/03/03 23:34:08

Test Laboratory: Kyocera Wireless Corporation
File Name: [KX2 #4G7T, FCC CDMA800 ch383 Only, Flat with Air 25mm, ANTENNA EXTENDED, 12-08-03.dat](#)

KX2 #4G7T, CDMA800 ch383, Flat with 25mm Air Gap, ANTENNA EXTENDED, 12-08-03

DUT: KX2

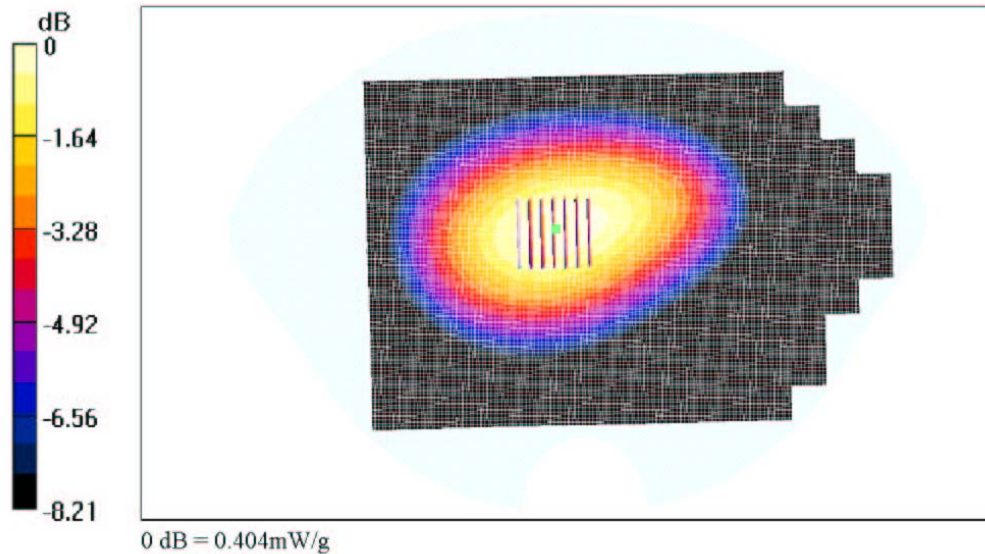
Communication System: 800-CDMA, Frequency: 837 MHz, Duty Cycle: 1:1
Medium: Head 835 MHz, ($\sigma = 0.951$ mho/m, $\epsilon_r = 54.35$, $\rho = 1000$ kg/m³)
Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(6.6, 6.6, 6.6), Calibrated: 10/10/2003
Sensor-Surface: 5mm (Mechanical And Optical Surface Detection)
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn527, Calibrated: DAE not calibrated
Measurement SW: DASY4, V4.1 Build 47
Postprocessing SW: SEMCAD, V1.6 Build 115

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

CDMA800 Ch383 Flat/Area Scan (101x151x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 20.3 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.396 mW/g

CDMA800 Ch383 Flat/Zoom Scan 2 (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.439 W/kg
SAR(1 g) = 0.385 mW/g, SAR(10 g) = 0.285 mW/g
Reference Value = 20.3 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.404 mW/g



file://C:\FCC%\20Reports\K10\HTML%20-%20CDMA-800\KX2%20#4G7T, FCC CDM... 12/18/2003

Date/Time: 12/08/03 15:45:39

Test Laboratory: Kyocera Wireless Corporation
File Name: [KX2 #4G7T, FCC CDMA800, Flat with Kyocera Belt Clip, ANTENNA RETRACTED, 12-08-03.dat](#)

KX2 #4G7T, CDMA800 ch383, Flat with Kyocera Belt Clip, ANTENNA RETRACTED, 12-08-03

DUT: KX2

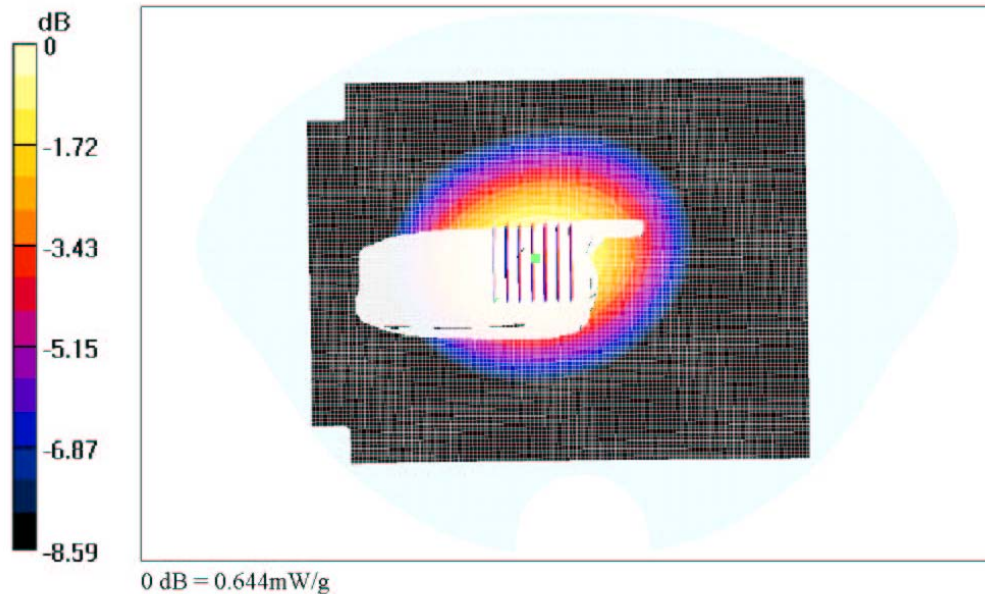
Communication System: 800-CDMA, Frequency: 837 MHz, Duty Cycle: 1:1
Medium: Head 835 MHz, ($\sigma = 0.951$ mho/m, $\epsilon_r = 54.35$, $\rho = 1000$ kg/m³)
Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(6.6, 6.6, 6.6), Calibrated: 10/10/2003
Sensor-Surface: 5mm (Mechanical And Optical Surface Detection)
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn527, Calibrated: DAE not calibrated
Measurement SW: DASY4, V4.1 Build 47
Postprocessing SW: SEMCAD, V1.6 Build 115

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

CDMA800 Ch383 Flat/Area Scan (101x131x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 25.9 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.653 mW/g

CDMA800 Ch383 Flat/Zoom Scan 2 (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.767 W/kg
SAR(1 g) = 0.608 mW/g, SAR(10 g) = 0.442 mW/g
Reference Value = 25.9 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.644 mW/g



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Date/Time: 12/09/03 11:13:27

Test Laboratory: Kyocera Wireless Corporation
File Name: [KX2 #4G7T, FCC CDMA800, Flat with Kyocera Belt Clip, ANTENNA EXTENDED, 12-08-03.dad](#)

KX2 #4G7T, CDMA800, Flat with Kyocera Belt Clip, ANTENNA EXTENDED, 12-08-03

DUT: KX2

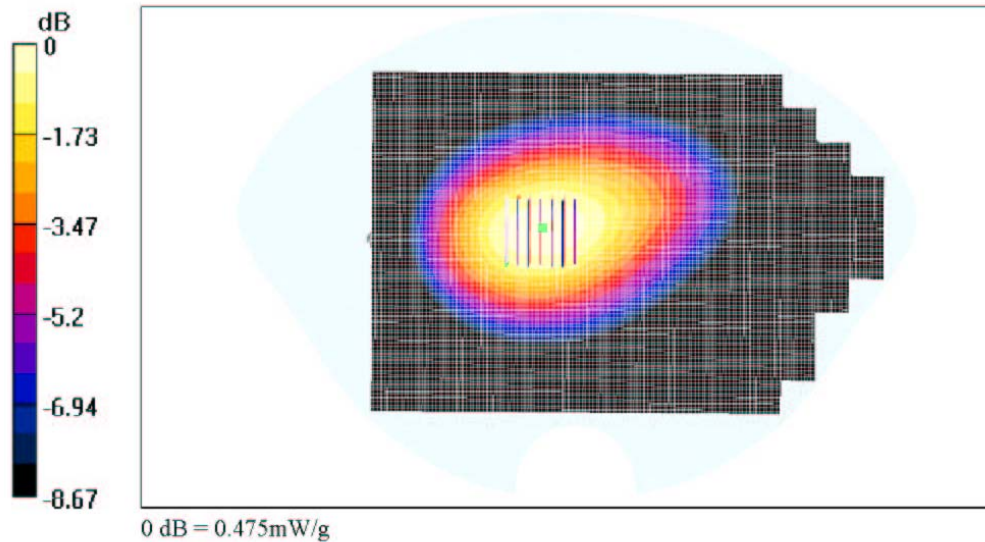
Communication System: 800-CDMA, Frequency: 837 MHz, Duty Cycle: 1:1
Medium: Head 835 MHz, ($\sigma = 0.951$ mho/m, $\epsilon_r = 54.35$, $\rho = 1000$ kg/m³)
Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(6.6, 6.6, 6.6), Calibrated: 10/10/2003
Sensor-Surface: 5mm (Mechanical And Optical Surface Detection)
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn527, Calibrated: DAE not calibrated
Measurement SW: DASY4, V4.1 Build 47
Postprocessing SW: SEMCAD, V1.6 Build 115

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

CDMA800 Ch383 Flat/Area Scan (101x151x1): Measurement grid: dx=1.5mm, dy=1.5mm
Reference Value = 22.1 V/m
Power Drift = -0.03 dB
Maximum value of SAR = 0.469 mW/g

CDMA800 Ch383 Flat/Zoom Scan 2 (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.576 W/kg
SAR(1 g) = 0.452 mW/g, SAR(10 g) = 0.329 mW/g
Reference Value = 22.1 V/m
Power Drift = -0.03 dB
Maximum value of SAR = 0.475 mW/g



file://C:\FCC%\20Reports\K10\HTML%20-%20CDMA-800\KX2%20#4G7T, FCC CDM... 12/18/2003

Date/Time: 12/09/03 11:00:16

Test Laboratory: Kyocera Wireless Corporation
File Name: [KX2 #4G7T, FCC CDMA800 ch383 Only, Flat with Gray-Black Nylon Case, ANTENNA RETRACTED, 12-09-03.daf](#)

KX2 #4G7T, CDMA800 ch383, Flat with Leather Case, ANTENNA RETRACTED, 12-09-03

DUT: KX2

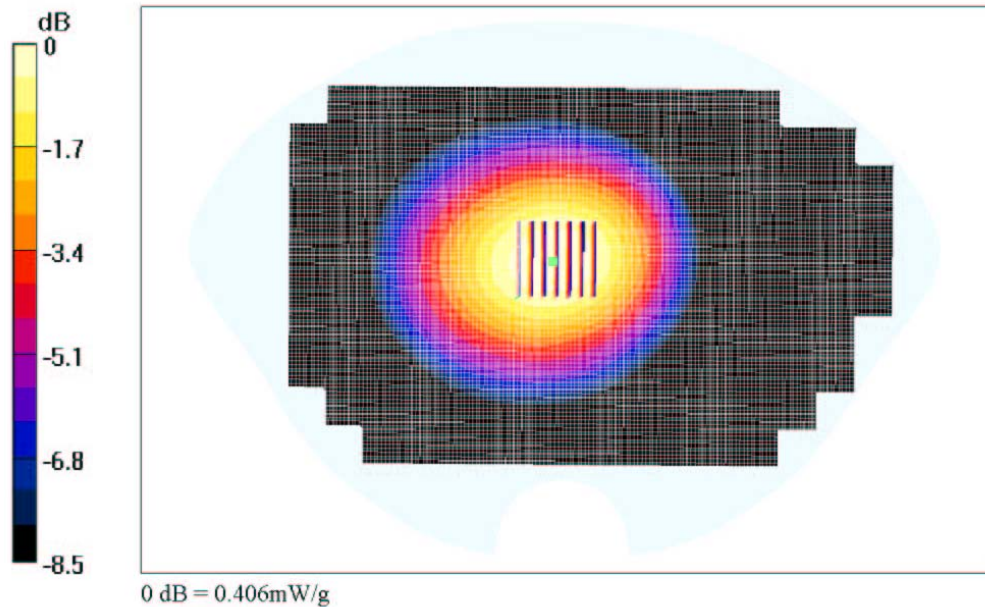
Communication System: 800-CDMA, Frequency: 837 MHz, Duty Cycle: 1:1
Medium: Head 835 MHz, ($\sigma = 0.97 \text{ mho/m}$, $\epsilon_r = 55.04$, $\rho = 1000 \text{ kg/m}^3$)
Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(6.6, 6.6, 6.6), Calibrated: 10/10/2003
Sensor-Surface: 5mm (Mechanical And Optical Surface Detection)
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn527, Calibrated: DAE not calibrated
Measurement SW: DASY4, V4.1 Build 47
Postprocessing SW: SEMCAD, V1.6 Build 115

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

CDMA800 Ch383 Flat/Area Scan (101x161x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 21.5 V/m
Power Drift = 0.1 dB
Maximum value of SAR = 0.407 mW/g

CDMA800 Ch383 Flat/Zoom Scan 2 (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.436 W/kg
SAR(1 g) = 0.385 mW/g, SAR(10 g) = 0.282 mW/g
Reference Value = 21.5 V/m
Power Drift = 0.1 dB
Maximum value of SAR = 0.406 mW/g



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Date/Time: 12/03/03 22:21:34

Test Laboratory: Kyocera Wireless Corporation
File Name: [KX2 #4G7T, FCC CDMA800 ch383 Only, Flat with Gray-Black Nylon Case, ANTENNA EXTENDED, 12-03.dad](#)

KX2 #4G7T, CDMA800 ch383, Flat with Leather Case, ANTENNA EXTENDED, 12-08-03

DUT: KX2

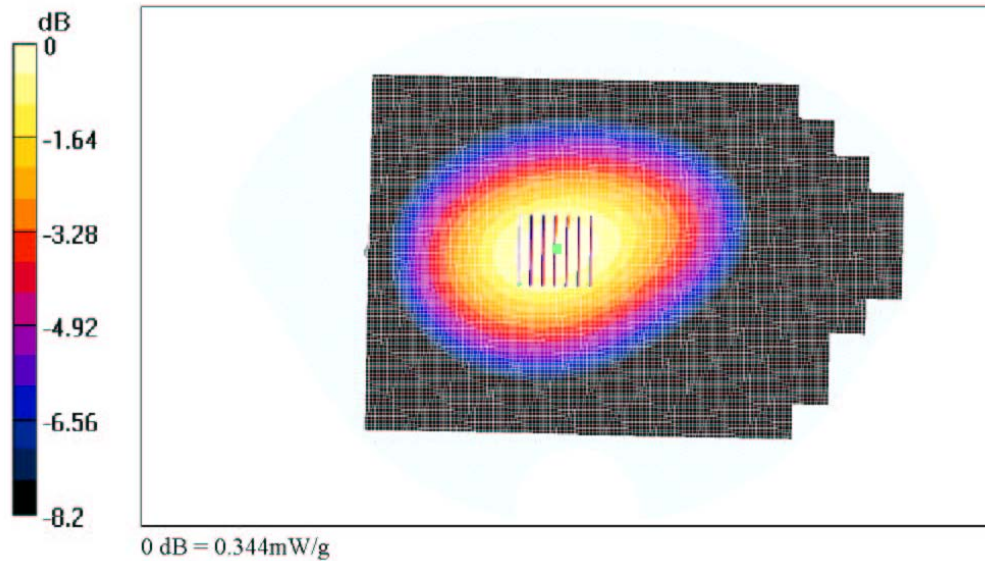
Communication System: 800-CDMA, Frequency: 837 MHz, Duty Cycle: 1:1
Medium: Head 835 MHz, ($\sigma = 0.951$ mho/m, $\epsilon_r = 54.35$, $\rho = 1000$ kg/m³)
Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(6.6, 6.6, 6.6), Calibrated: 10/10/2003
Sensor-Surface: 5mm (Mechanical And Optical Surface Detection)
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn527, Calibrated: DAE not calibrated
Measurement SW: DASY4, V4.1 Build 47
Postprocessing SW: SEMCAD, V1.6 Build 115

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

CDMA800 Ch383 Flat/Area Scan (101x151x1): Measurement grid: dx=1.5mm, dy=1.5mm
Reference Value = 19.9 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.337 mW/g

CDMA800 Ch383 Flat/Zoom Scan 2 (7x7x7)/Cube0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.415 W/kg
SAR(1 g) = 0.326 mW/g, SAR(10 g) = 0.24 mW/g
Reference Value = 19.9 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.344 mW/g



file://C:\FCC%\20Reports\K10\HTML%20-%20CDMA-800\KX2%20#4G7T, FCC CDM... 12/18/2003

Date/Time: 12/10/03 23:35:39

Test Laboratory: Kyocera Wireless Corporation
File Name: [KX2 #4G7T, FCC CDMA1900 ch600 RETRACTED Only Flat with 25mm Air Separation, 12-10-03.d34](#)

KX2 #4G7T, CDMA1900 ch600, Flat with 25mm Air Gap, ANTENNA RETRACTED, 12-10-03

DUT: KX2

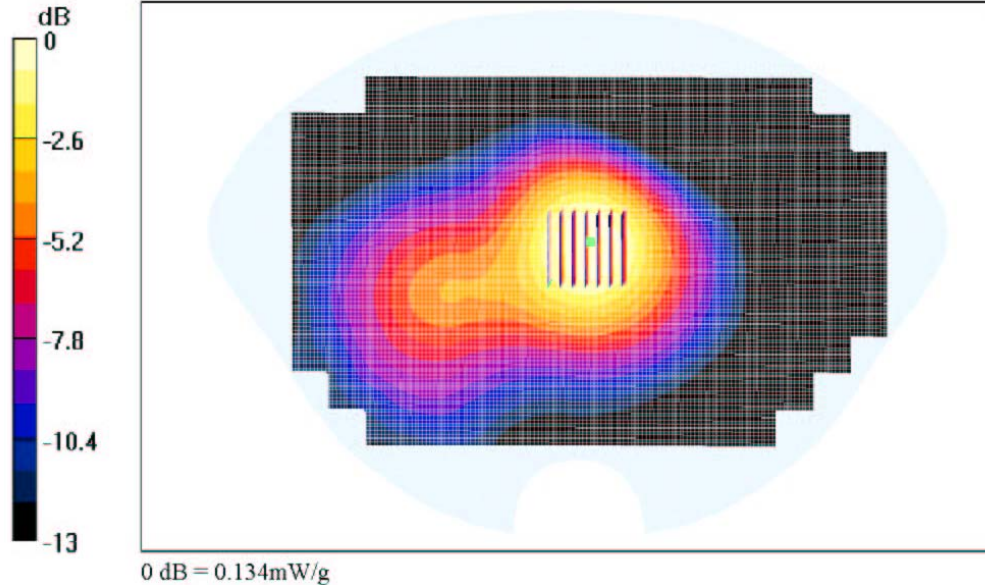
Communication System: CDMA 1900, Frequency: 1380 MHz, Duty Cycle: 1:1
Medium: Muscle 1900MHz, ($\sigma = 1.47 \text{ mho/m}$, $\epsilon_r = 52.47$, $\rho = 1000 \text{ kg/m}^3$)
Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(4.9, 4.9, 4.9), Calibrated: 10/10/2003
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn527, Calibrated: DAE not calibrated
Measurement SW: DASY4, V4.1 Build 47
Postprocessing SW: SEMCAD, V1.6 Build 115

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

PCS ch600/Area Scan (101x161x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 9.79 V/m
Power Drift = -0.005 dB
Maximum value of SAR = 0.137 mW/g

PCS ch600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.196 W/kg
SAR(1 g) = 0.126 mW/g, SAR(10 g) = 0.0789 mW/g
Reference Value = 9.79 V/m
Power Drift = -0.005 dB
Maximum value of SAR = 0.134 mW/g



file://C:\FCC%\20Reports\K10\HTML%20-%20PCS\KX2%20#4G7T, FCC CDMA1900 ... 12/16/2003

Date/Time: 12/10/03 22:55:38

Test Laboratory: Kyocera Wireless Corporation
File Name: [KX2 #4G7T, FCC CDMA1900 ch600 EXTENDED Only, Flat with 25mm Air Separation, 12-10-03.d4](#)

KX2 #4G7T, CDMA1900 ch600, Flat with 25mm Air Gap, ANTENNA EXTENDED, 12-10-03

DUT: KX2

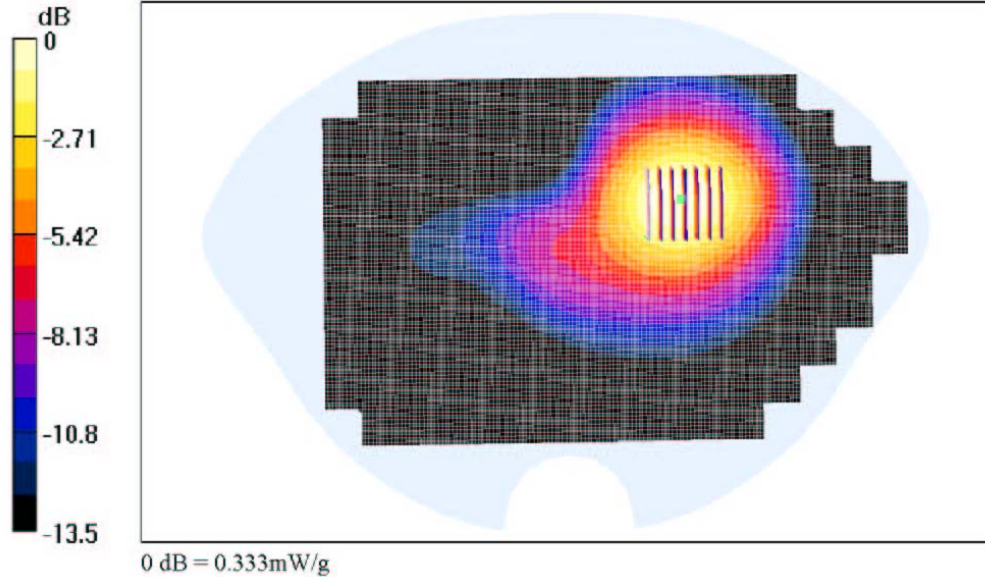
Communication System: CDMA 1900, Frequency: 1380 MHz, Duty Cycle: 1:1
Medium: Muscle 1900MHz, ($\sigma = 1.47 \text{ mho/m}$, $\epsilon_r = 52.47$, $\rho = 1000 \text{ kg/m}^3$)
Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(4.9, 4.9, 4.9), Calibrated: 10/10/2003
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn527, Calibrated: DAE not calibrated
Measurement SW: DASY4, V4.1 Build 47
Postprocessing SW: SEMCAD, V1.6 Build 115

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

PCS ch600/Area Scan (101x161x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 6.91 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.335 mW/g

PCS ch600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.432 W/kg
SAR(1 g) = 0.31 mW/g, SAR(10 g) = 0.193 mW/g
Reference Value = 6.91 V/m
Power Drift = -0.1 dB
Maximum value of SAR = 0.333 mW/g



file://C:\FCC%\20Reports\K10\HTML%20-%20PCS\KX2%20#4G7T, FCC CDMA1900 ... 12/16/2003

Date/Time: 12/12/03 13:21:09

Test Laboratory: Kyocera Wireless Corporation
File Name: [KX2 #4G7T, Extended Battery, FCC CDMA1900 ch600 EXTENDED Only Flat with 25mm Air Separation, 12-12-03.d4](#)

KX2 #4G7T, CDMA1900 ch600, Flat with 25mm Air Gap, ANTENNA EXTENDED, 12-12-03

DUT: KX2

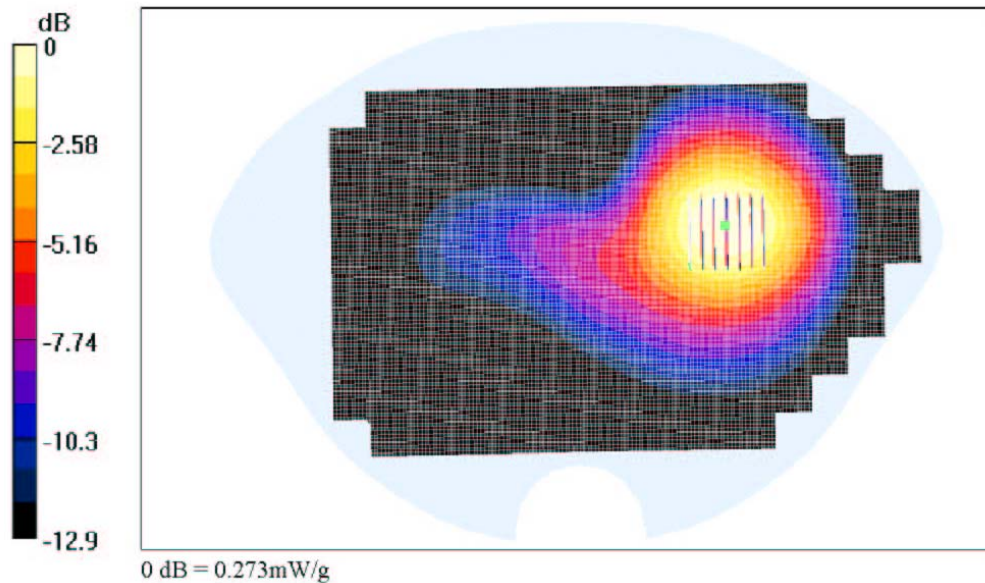
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: Muscle 1900MHz, ($\sigma = 1.512 \text{ mho/m}$, $\epsilon_r = 53.08$, $\rho = 1000 \text{ kg/m}^3$)
Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(4.9, 4.9, 4.9), Calibrated: 10/10/2003
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn527, Calibrated: DAE not calibrated
Measurement SW: DASY4, V4.1 Build 47
Postprocessing SW: SEMCAD, V1.6 Build 115

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

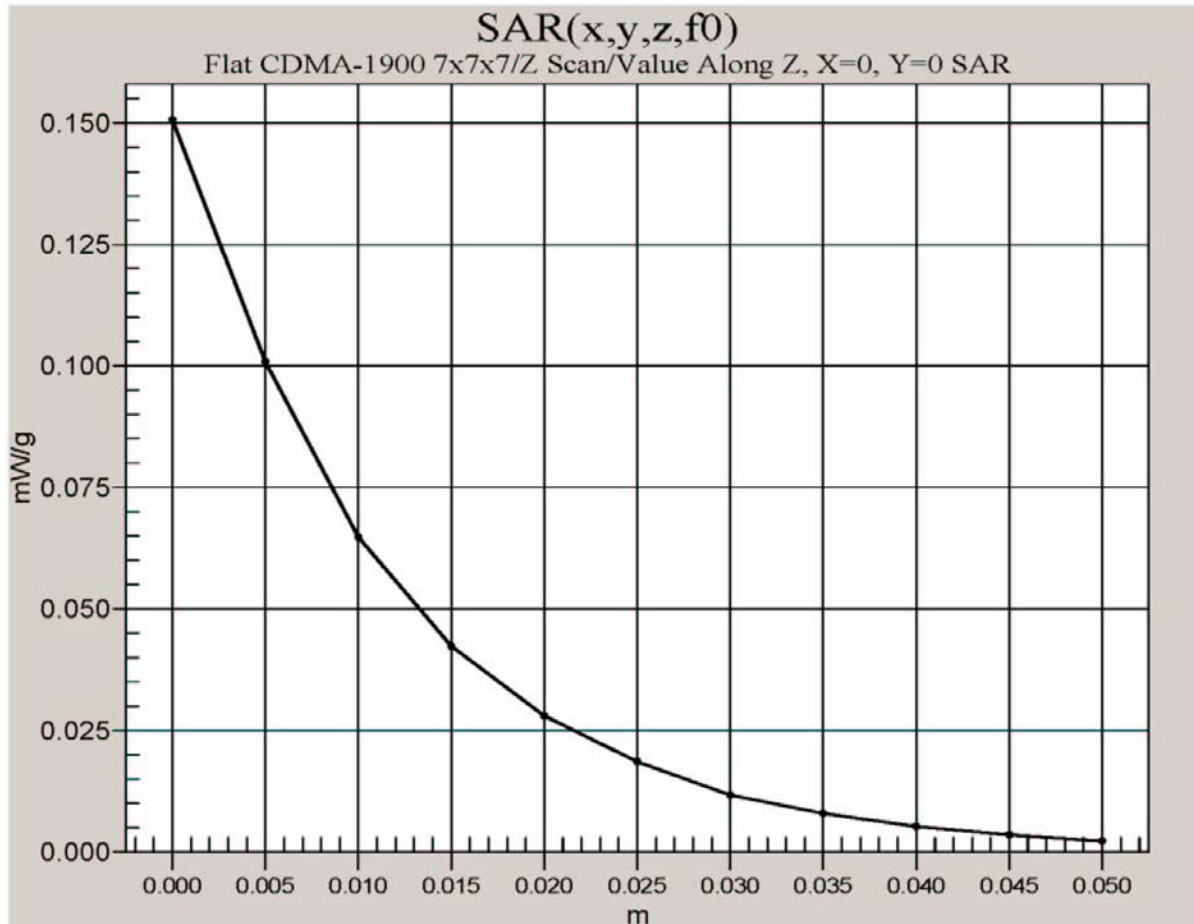
PCS ch600/Area Scan (101x161x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 5.89 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.292 mW/g

PCS ch600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.395 W/kg
SAR(1 g) = 0.258 mW/g, SAR(10 g) = 0.163 mW/g
Reference Value = 5.89 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.273 mW/g



file://C:\FCC%\20Reports\K10\HTML%20-%20PCS\KX2%20#4G7T, Extended Battery, ... 12/16/2003

KX2 # 4G7T, CDMA 1900 CH. 600, Flat with Air Gap 25mm, Extended Battery, Antenna Extended



Date/Time: 12/10/03 20:26:26

Test Laboratory: Kyocera Wireless Corporation
File Name: [KX2 #4G7T, FCC CDMA1900 ch600 RETRACTED Only Flat with KWC Belt Clip, 12-10-03.d#](#)

KX2 #4G7T, CDMA1900 ch600, Flat with Kyocera Belt Clip, ANTENNA RETRACTED, 12-10-03

DUT: KX2

Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: Muscle 1900MHz, ($\sigma = 1.47 \text{ mho/m}$, $\epsilon_r = 52.47$, $\rho = 1000 \text{ kg/m}^3$)
Phantom: SAM 12, Phantom section: Flat Section

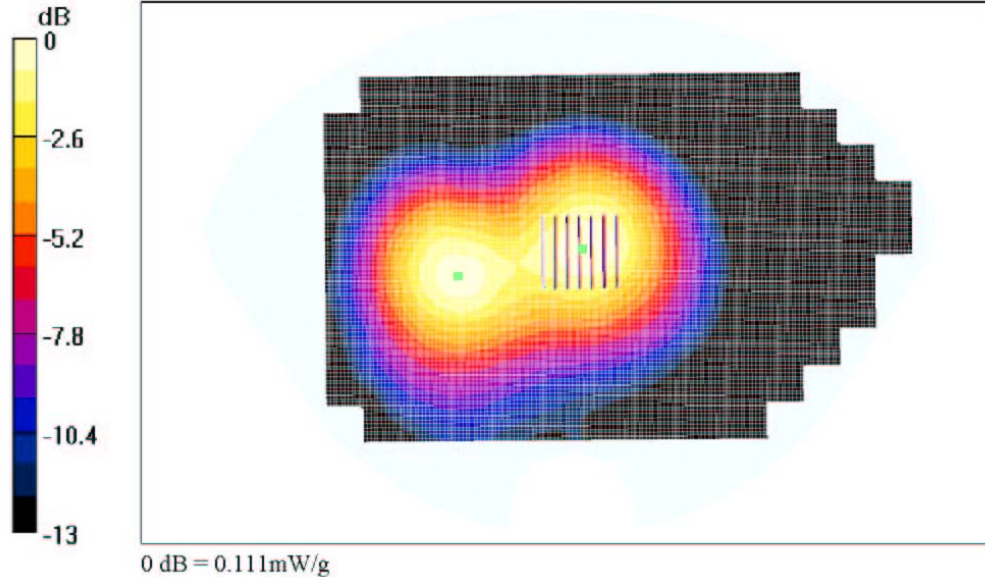
DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(4.9, 4.9, 4.9), Calibrated: 10/10/2003
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn527, Calibrated: DAE not calibrated
Measurement SW: DASY4, V4.1 Build 47
Postprocessing SW: SEMCAD, V1.6 Build 115

Temperature

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

PCS ch600/Area Scan (101x161x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 8.85 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.115 mW/g

PCS ch600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.163 W/kg
SAR(1 g) = 0.104 mW/g, SAR(10 g) = 0.0631 mW/g
Reference Value = 8.85 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.111 mW/g



file://C:\FCC%\20Reports\K10\HTML%20-%20PCS\KX2%20#4G7T, FCC CDMA1900 ... 12/16/2003

Date/Time: 12/10/03 20:22:28

Test Laboratory: Kyocera Wireless Corporation
File Name: [KX2 #4G7T, FCC CDMA1900 ch600 EXTENDED Only, Flat with KWC Belt Clip, 12-10-03.dad](#)

KX2 #4G7T, CDMA1900 ch600, Flat with Kyocera Belt Clip, ANTENNA EXTENDED, 12-10-03

DUT: KX2

Communication System: CDMA 1900, Frequency: 1380 MHz, Duty Cycle: 1:1
Medium: Muscle 1900MHz, ($\sigma = 1.47 \text{ mho/m}$, $\epsilon_r = 52.47$, $\rho = 1000 \text{ kg/m}^3$)
Phantom: SAM 12, Phantom section: Flat Section

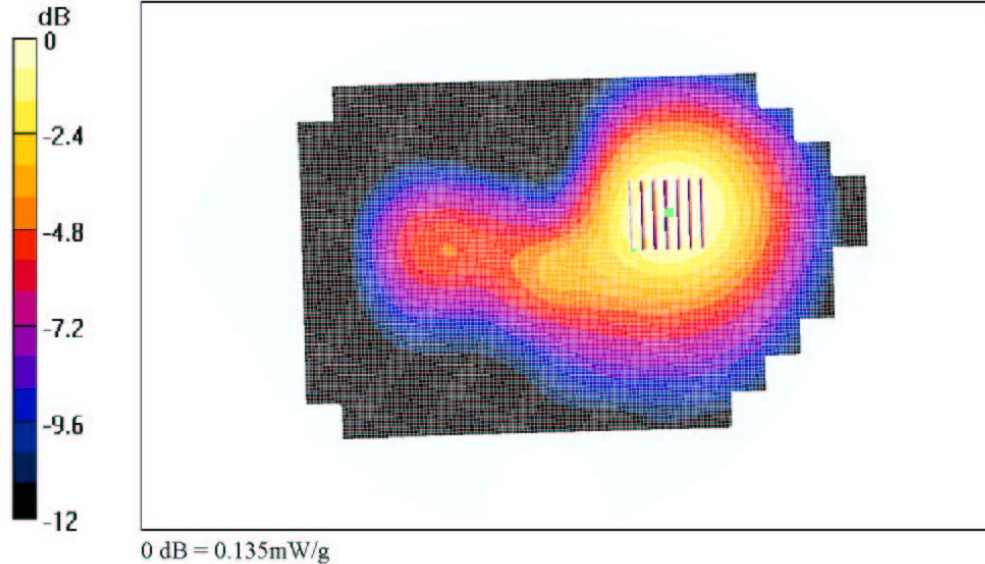
DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(4.9, 4.9, 4.9), Calibrated: 10/10/2003
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn527, Calibrated: DAE not calibrated
Measurement SW: DASY4, V4.1 Build 47
Postprocessing SW: SEMCAD, V1.6 Build 115

Temperature

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

PCS ch600/Area Scan (101x161x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 6.75 V/m
Power Drift = 0.3 dB
Maximum value of SAR = 0.14 mW/g

PCS ch600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.194 W/kg
SAR(1 g) = 0.127 mW/g, SAR(10 g) = 0.0821 mW/g
Reference Value = 6.75 V/m
Power Drift = 0.3 dB
Maximum value of SAR = 0.135 mW/g



file://C:\FCC%\20Reports\K10\HTML%20-%20PCS\KX2%20#4G7T, FCC CDMA1900 ... 12/16/2003

Date/Time: 12/10/03 22:16:07

Test Laboratory: Kyocera Wireless Corporation
File Name: [KX2 #4G7T, FCC CDMA1900 ch600 RETRACTED Only Flat with Gray-Black Nylon Case, 12-10-03.dad](#)

KX2 #4G7T, CDMA1900 ch600, Flat with Leather Case, ANTENNA RETRACTED, 12-10-03

DUT: KX2

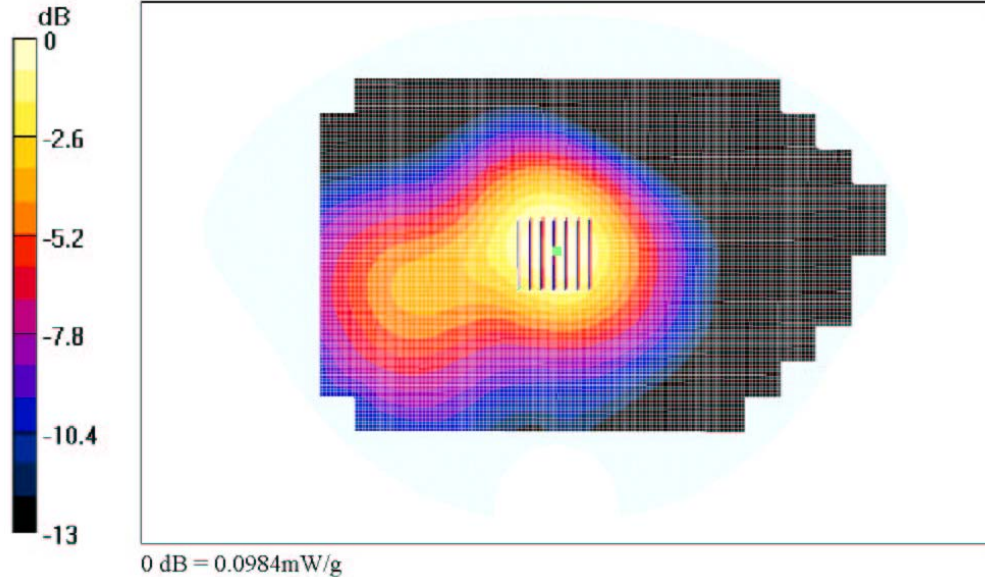
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: Muscle 1900MHz, ($\sigma = 1.47 \text{ mho/m}$, $\epsilon_r = 52.47$, $\rho = 1000 \text{ kg/m}^3$)
Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(4.9, 4.9, 4.9), Calibrated: 10/10/2003
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn527, Calibrated: DAE not calibrated
Measurement SW: DASY4, V4.1 Build 47
Postprocessing SW: SEMCAD, V1.6 Build 115

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

PCS ch600/Area Scan (101x161x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 8.84 V/m
Power Drift = -0.3 dB
Maximum value of SAR = 0.104 mW/g

PCS ch600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.145 W/kg
SAR(1 g) = 0.0929 mW/g, SAR(10 g) = 0.0578 mW/g
Reference Value = 8.84 V/m
Power Drift = -0.3 dB
Maximum value of SAR = 0.0984 mW/g



file://C:\FCC%\20Reports\K10\HTML%20-%20PCS\KX2%20#4G7T, FCC CDMA1900 ... 12/16/2003

Date/Time: 12/10/03 22:16:18

Test Laboratory: Kyocera Wireless Corporation
File Name: [KX2 #4G7T, FCC CDMA1900 ch600 EXTENDED Only, Flat with KWC Gray-Black Nylon Case, 12-10-03.dad](#)

KX2 #4G7T, CDMA1900 ch600, Flat with Leather Case, ANTENNA EXTENDED, 12-10-03

DUT: KX2

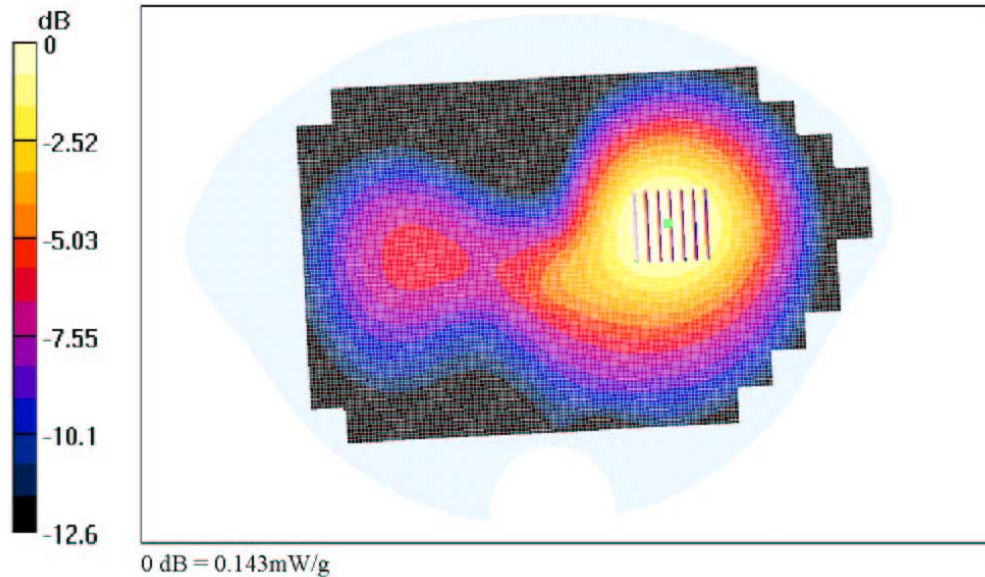
Communication System: CDMA 1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: Muscle 1900MHz, ($\sigma = 1.47 \text{ mho/m}$, $\epsilon_r = 52.47$, $\rho = 1000 \text{ kg/m}^3$)
Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1618, ConvF(4.9, 4.9, 4.9), Calibrated: 10/10/2003
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn527, Calibrated: DAE not calibrated
Measurement SW: DASY4, V4.1 Build 47
Postprocessing SW: SEMCAD, V1.6 Build 115

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

PCS ch600/Area Scan (101x161x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 5.93 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.15 mW/g

PCS ch600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.205 W/kg
SAR(1 g) = 0.135 mW/g, SAR(10 g) = 0.0868 mW/g
Reference Value = 5.93 V/m
Power Drift = -0.2 dB
Maximum value of SAR = 0.143 mW/g



file://C:\FCC%\20Reports\K10\HTML%20-%20PCS\KX2%20#4G7T, FCC CDMA1900 ... 12/16/2003