

Date/Time: 11/18/03 05:42:31

Test Laboratory: Kyocera Wireless Corporation

File Name: [KX444 #D9YD, FCC AMPS Ch383 only, Flat, Air \(25mm\), Thick battery, 11-18-03.da4](#)

KX444, FCC AMPS Ch383, Flat, Air (25mm)

DUT: KX444

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

Medium: Head 835 MHz, ($\sigma = 0.945$ mho/m, $\epsilon_r = 54.53$, $\rho = 1000$ 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 (9x13x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 19.4 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.465 mW/g

AMPS Ch383 Flat/Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

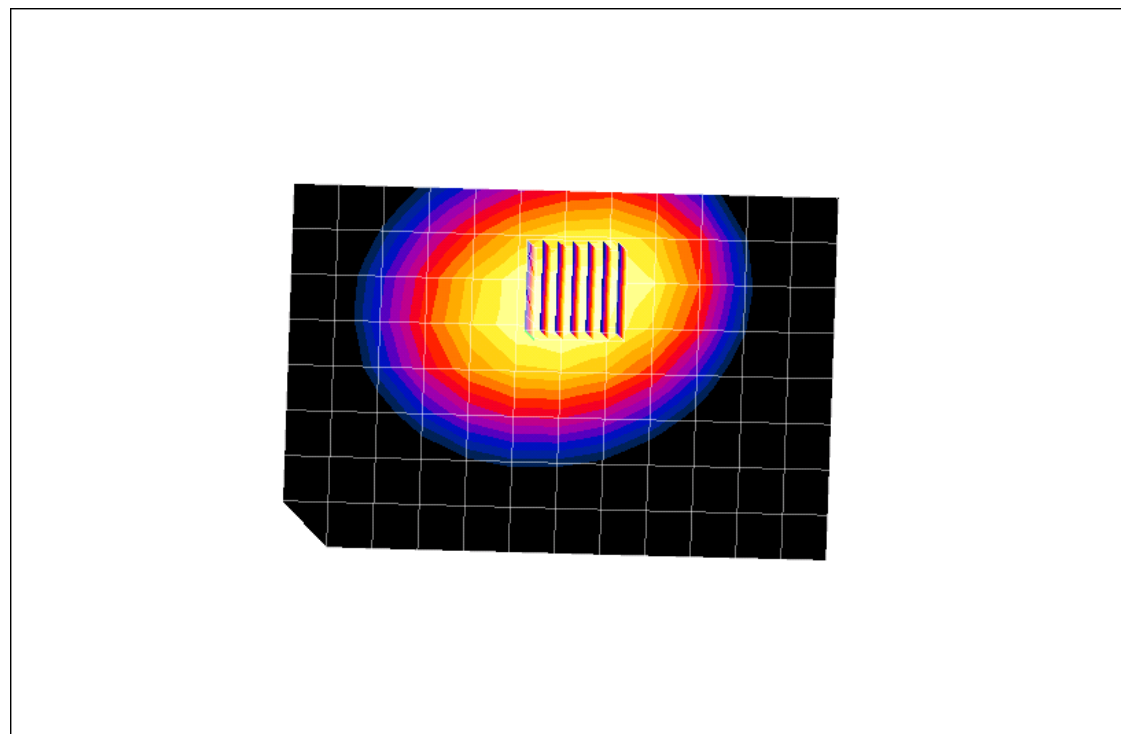
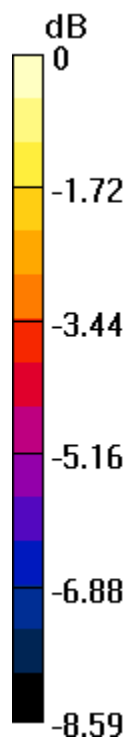
Peak SAR (extrapolated) = 0.577 W/kg

SAR(1 g) = 0.454 mW/g; SAR(10 g) = 0.333 mW/g

Reference Value = 19.4 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.478 mW/g



0 dB = 0.478mW/g

Date/Time: 11/18/03 14:33:30

Test Laboratory: Kyocera Wireless Corporation

File Name: [KX444 #D9YD, FCC AMPS Ch383. Flat withThick Battery and Black Leather Case, 11-18-03.da4](#)

KX444, FCC AMPS Ch383. Flat, Leather Case

DUT: KX444

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

Medium: Head 835 MHz, ($\sigma = 0.945$ mho/m, $\epsilon_r = 54.53$, $\rho = 1000$ 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 (11x14x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 20.3 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.421 mW/g

AMPS Ch383 Flat/Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

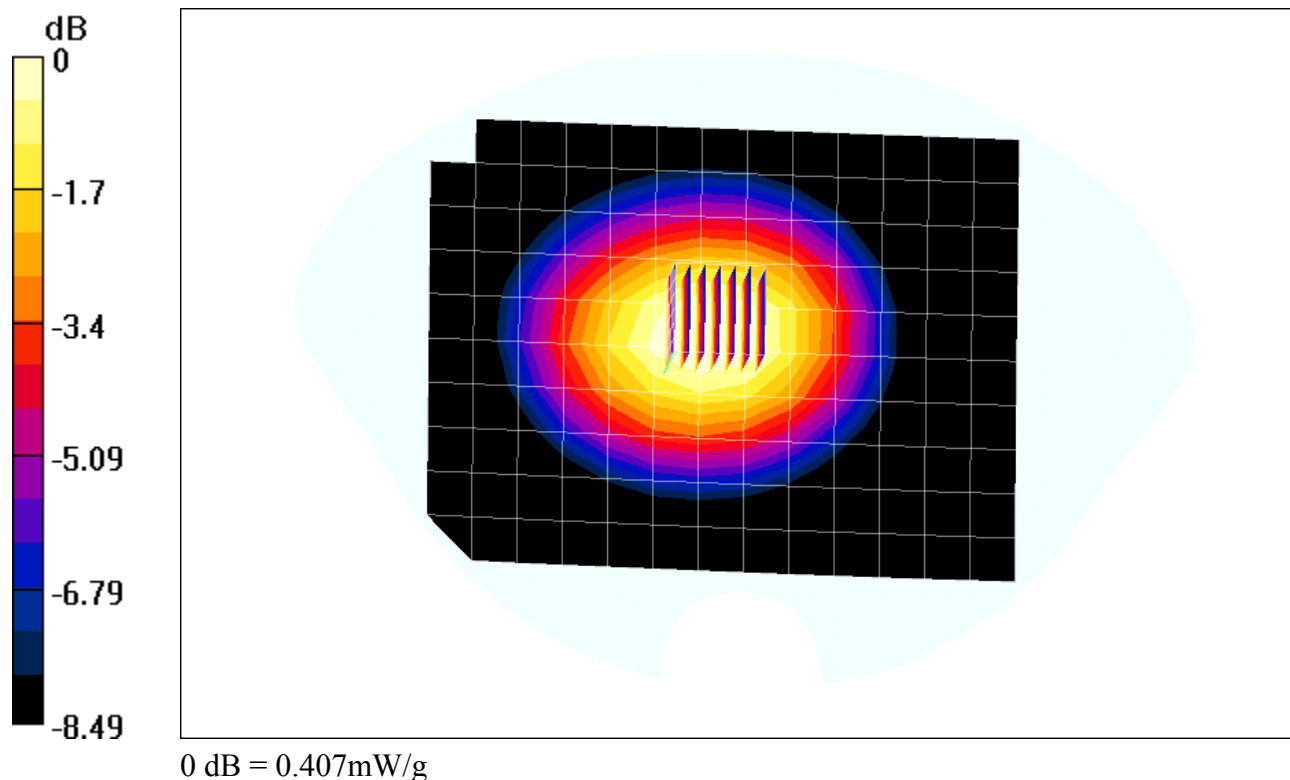
Peak SAR (extrapolated) = 0.494 W/kg

SAR(1 g) = 0.388 mW/g; SAR(10 g) = 0.284 mW/g

Reference Value = 20.3 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.407 mW/g



Date/Time: 11/18/03 15:22:42

Test Laboratory: Kyocera Wireless Corporation

File Name: [KX444 #D9YD, FCC AMPS Ch383. Flat with Thin Battery and Kyocera Belt Clip, 11-18-03.da4](#)

KX444, AMPS Ch383. Flat, Kyocera Universal Belt Clip

DUT: KX444

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

Medium: Head 835 MHz, ($\sigma = 0.945$ mho/m, $\epsilon_r = 54.53$, $\rho = 1000$ 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 (11x14x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 25 V/m

Power Drift = -0.3 dB

Maximum value of SAR = 0.585 mW/g

AMPS Ch383 Flat/Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

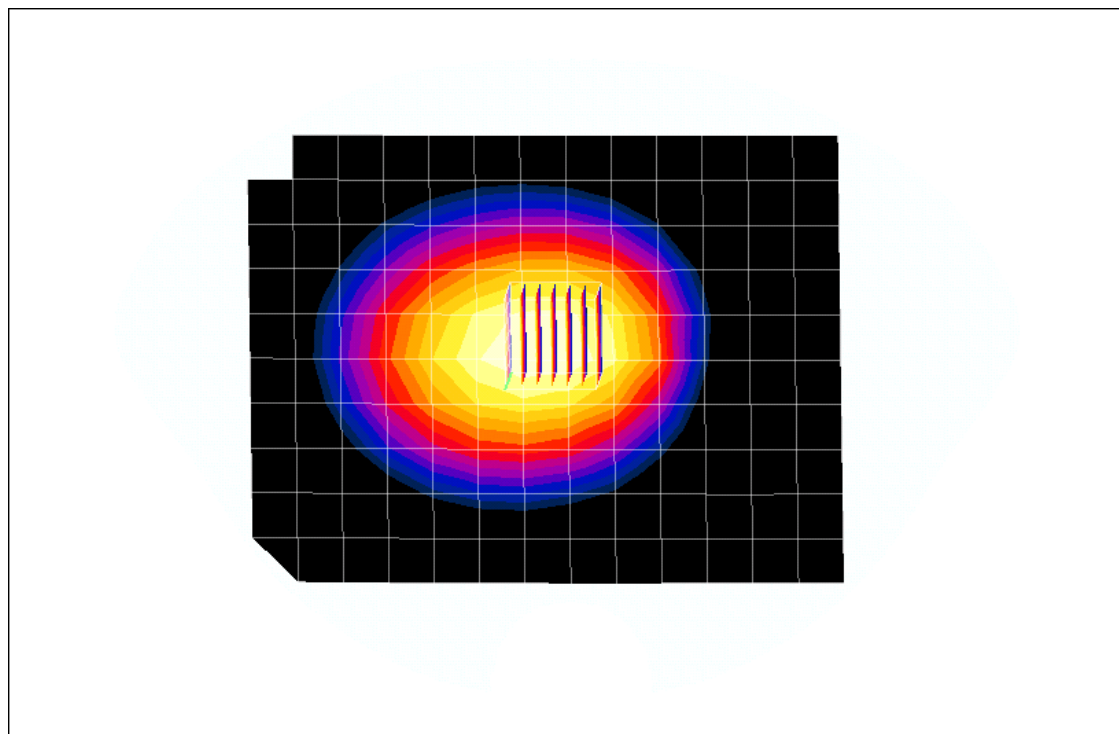
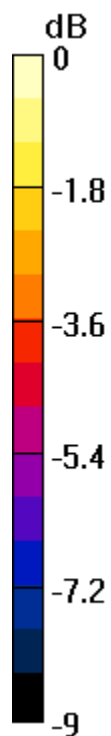
Peak SAR (extrapolated) = 0.714 W/kg

SAR(1 g) = 0.561 mW/g; SAR(10 g) = 0.41 mW/g

Reference Value = 25 V/m

Power Drift = -0.3 dB

Maximum value of SAR = 0.591 mW/g



0 dB = 0.591 mW/g

Date/Time: 11/18/03 04:05:23

Test Laboratory: Kyocera Wireless Corporation

File Name: [KX444 #D9YD, FCC CDMA-800 Ch383 only, Flat, Airt \(25mm\), Thick battery, 11-18-03.da4](#)

KX444 CDMA-800 Ch383, Flat, Air (25mm)

DUT: KX444

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

Medium: Head 835 MHz, ($\sigma = 0.945$ mho/m, $\epsilon_r = 54.53$, $\rho = 1000$ 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 (11x14x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 19.5 V/m

Power Drift = -0.06 dB

Maximum value of SAR = 0.391 mW/g

CDMA800 Ch383 Flat/Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

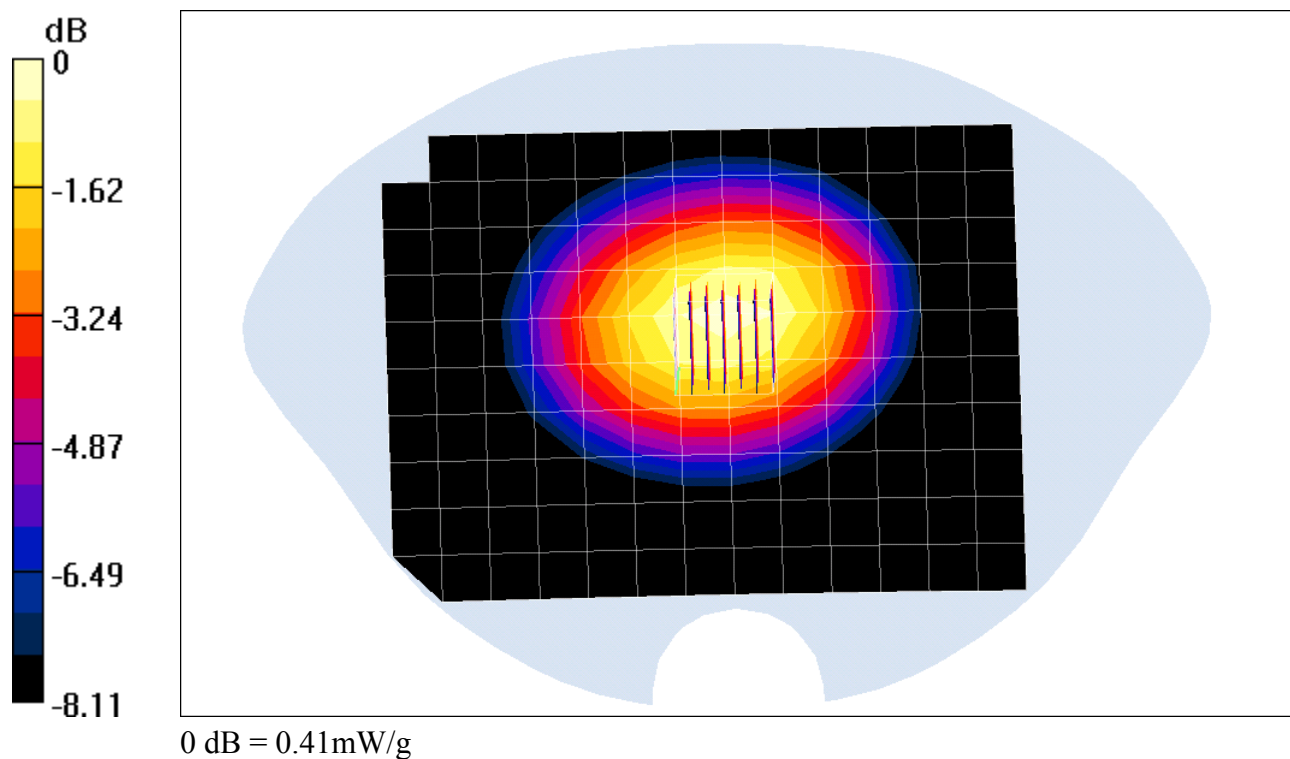
Peak SAR (extrapolated) = 0.492 W/kg

SAR(1 g) = 0.39 mW/g; SAR(10 g) = 0.287 mW/g

Reference Value = 19.5 V/m

Power Drift = -0.06 dB

Maximum value of SAR = 0.41 mW/g



Date/Time: 11/18/03 13:51:04

Test Laboratory: Kyocera Wireless Corporation

File Name: [KX444 #D9YD, FCC CDMA-800 Ch383 only, Flat with Thick Battery and Black Leather Case, 11-18-03.da4](#)

KX444 CDMA-800 Ch383, Flat, Leather Case

DUT: KX444

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

Medium: Head 835 MHz, ($\sigma = 0.945$ mho/m, $\epsilon_r = 54.53$, $\rho = 1000$ 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 (11x14x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 19.8 V/m

Power Drift = -0.4 dB

Maximum value of SAR = 0.368 mW/g

CDMA800 Ch383 Flat/Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

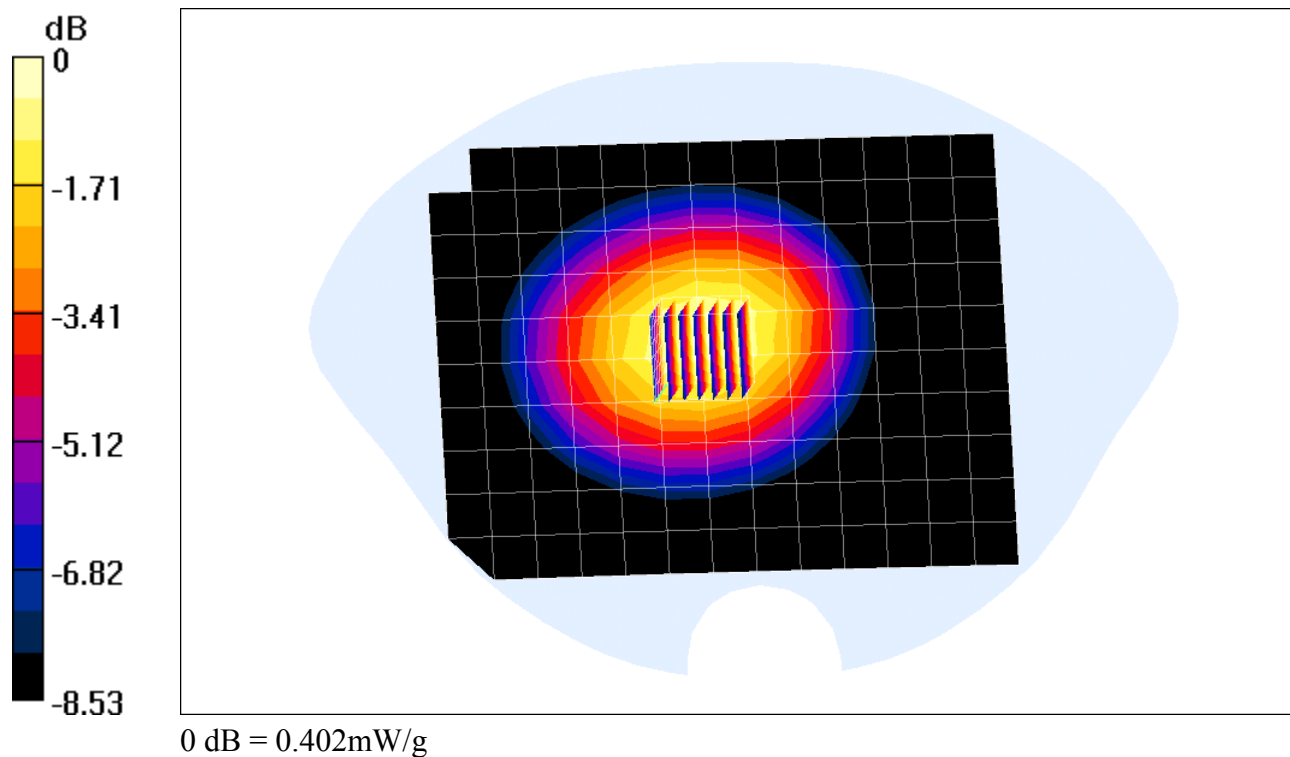
Peak SAR (extrapolated) = 0.485 W/kg

SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.279 mW/g

Reference Value = 19.8 V/m

Power Drift = -0.4 dB

Maximum value of SAR = 0.402 mW/g



Date/Time: 11/18/03 16:11:13

Test Laboratory: Kyocera Wireless Corporation

File Name: [KX444 #D9YD, FCC CDMA-800 Ch383 only, Flat with Thin Battery and Kyocera Belt Clip, 11-18-03.da4](#)

KX444 CDMA-800 Ch383, Flat, Kyocera Universal Belt Clip

DUT: KX444

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

Medium: Head 835 MHz, ($\sigma = 0.945$ mho/m, $\epsilon_r = 54.53$, $\rho = 1000$ 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 (11x14x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 25 V/m

Power Drift = -0.09 dB

Maximum value of SAR = 0.56 mW/g

CDMA800 Ch383 Flat/Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

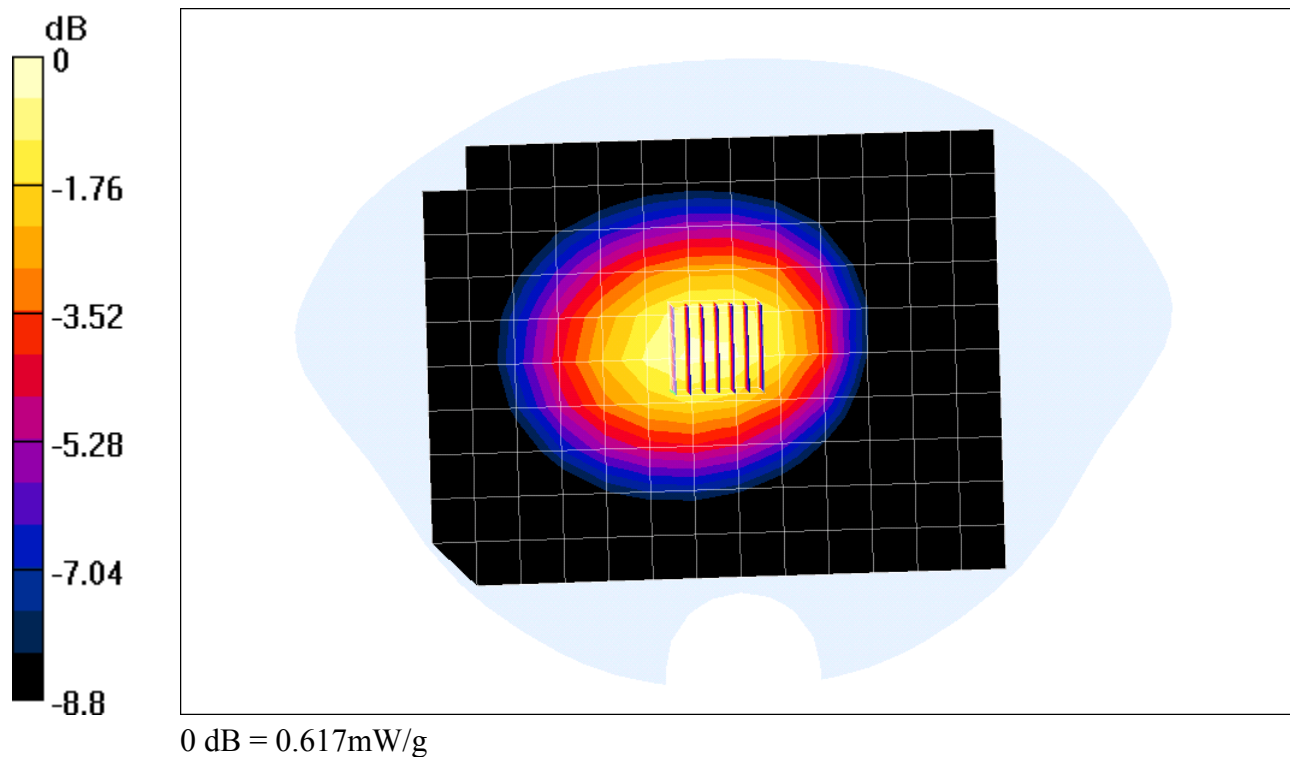
Peak SAR (extrapolated) = 0.747 W/kg

SAR(1 g) = 0.584 mW/g; SAR(10 g) = 0.425 mW/g

Reference Value = 25 V/m

Power Drift = -0.09 dB

Maximum value of SAR = 0.617 mW/g



Date/Time: 11/15/03 17:24:08

Test Laboratory: Kyocera Wireless Corporation

File Name: [K7-PTT #D9YD, FCC PCS Ch600 FLAT only, Thick battery, Air \(25mm\), Regular Cover, 11-15-03.da4](#)**Kx444PCS Ch600, FLAT, Air (25mm),**

DUT: KX444

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

Medium: Muscle 1900Mhz, ($\sigma = 1.51 \text{ mho/m}$, $\epsilon_r = 53.21$, $\rho = 1000 \text{ kg/m}^3$)

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 (10x13x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 8.77 V/m

Power Drift = -0.09 dB

Maximum value of SAR = 0.16 mW/g

PCS ch600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

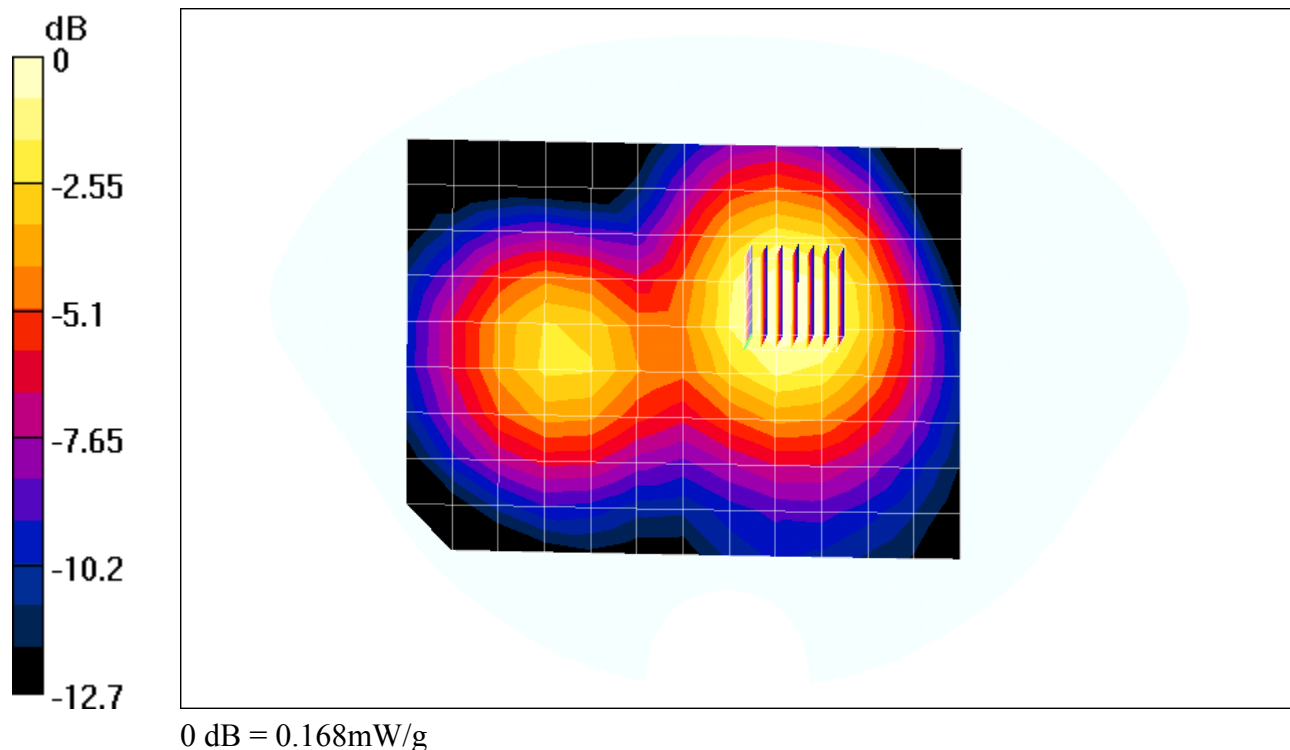
Peak SAR (extrapolated) = 0.241 W/kg

SAR(1 g) = 0.159 mW/g; SAR(10 g) = 0.103 mW/g

Reference Value = 8.77 V/m

Power Drift = -0.09 dB

Maximum value of SAR = 0.168 mW/g



Date/Time: 11/15/03 17:59:53

Test Laboratory: Kyocera Wireless Corporation

File Name: [K7-PTT #D9YD, FCC PCS Ch600 FLAT only, Thick battery, Leather case, 11-15-03.da4](#)

KX444 PCS Ch600, FLAT, Leather case

DUT: KX444

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

Medium: Muscle 1900Mhz, ($\sigma = 1.51 \text{ mho/m}$, $\epsilon_r = 53.21$, $\rho = 1000 \text{ kg/m}^3$)

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 (11x13x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 10.3 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.199 mW/g

PCS ch600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

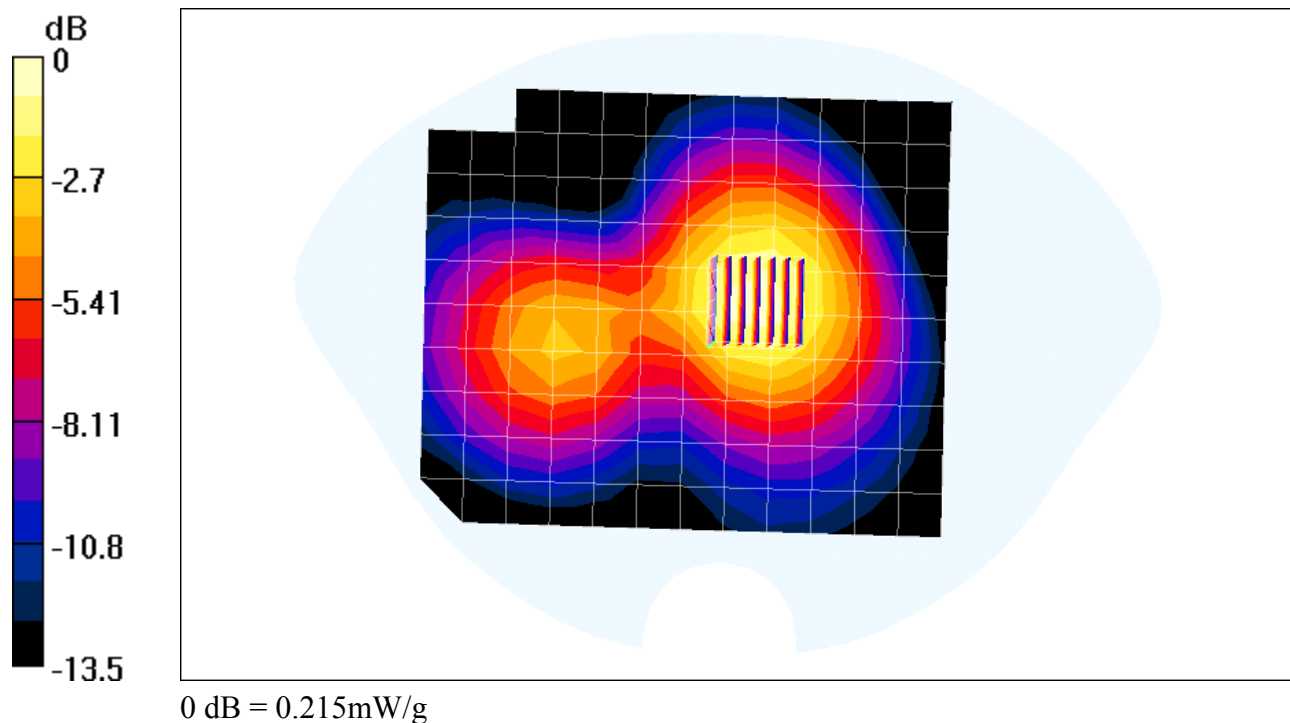
Peak SAR (extrapolated) = 0.31 W/kg

SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.126 mW/g

Reference Value = 10.3 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 0.215 mW/g



Date/Time: 11/15/03 21:29:18

Test Laboratory: Kyocera Wireless Corporation

File Name: [K7-PTT #D9YD, FCC PCS Ch600 FLAT only, Thin battery, Belt Clip, 11-15-03.da4](#)

KX444 PCS Ch600 FLAT, Thin battery, Belt Clip

DUT: KX444

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

Medium: Muscle 1900Mhz, ($\sigma = 1.51 \text{ mho/m}$, $\epsilon_r = 53.21$, $\rho = 1000 \text{ kg/m}^3$)

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 (11x13x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 10.5 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.305 mW/g

PCS ch600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

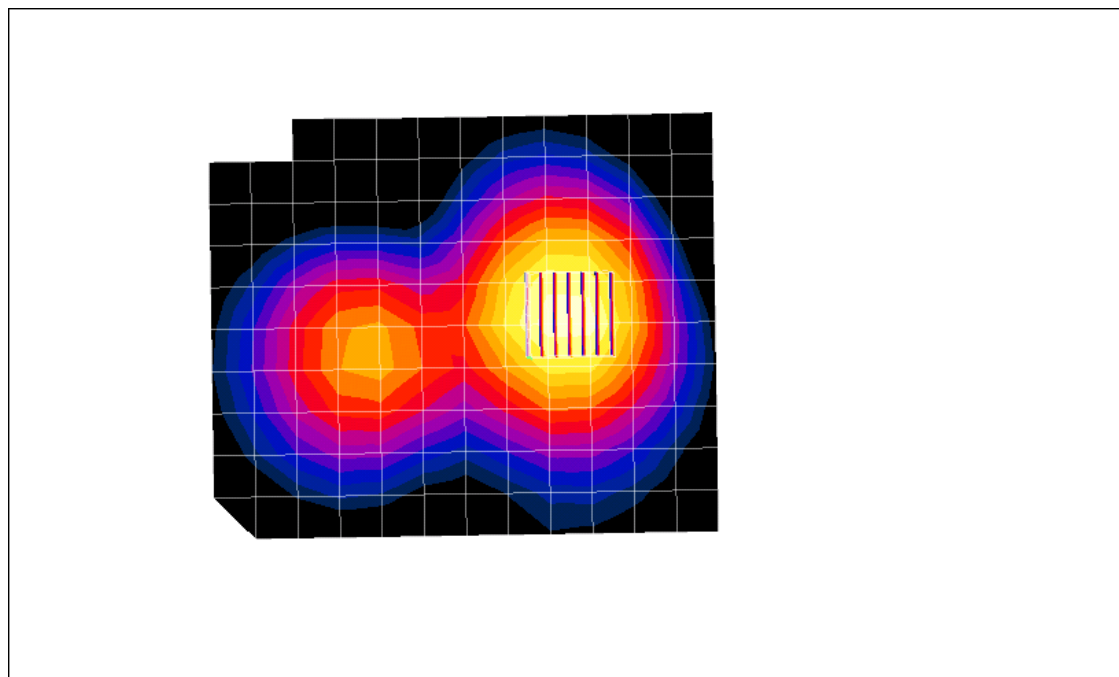
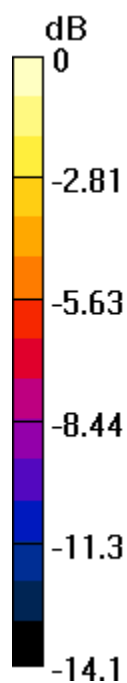
Peak SAR (extrapolated) = 0.466 W/kg

SAR(1 g) = 0.311 mW/g; SAR(10 g) = 0.196 mW/g

Reference Value = 10.5 V/m

Power Drift = -0.2 dB

Maximum value of SAR = 0.33 mW/g



0 dB = 0.33mW/g