

## **Appendix B:**

# **SAR Distribution Plots**

Test Laboratory: Kyocera

**KX17 #277D CDMA-800 Ch383 Flat with 22.5mm Air Separation, 05-19-05**

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

Medium: M900,Medium parameters used (interpolated):  $f = 836.49$  MHz;  $\sigma = 0.928$  mho/m;  $\epsilon_r = 56.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12,Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1664, ConvF(6.17, 6.17, 6.17), Calibrated: 9/2/2004

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

Electronics: DAE4 Sn602,Calibrated: 8/27/2004

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 130

**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

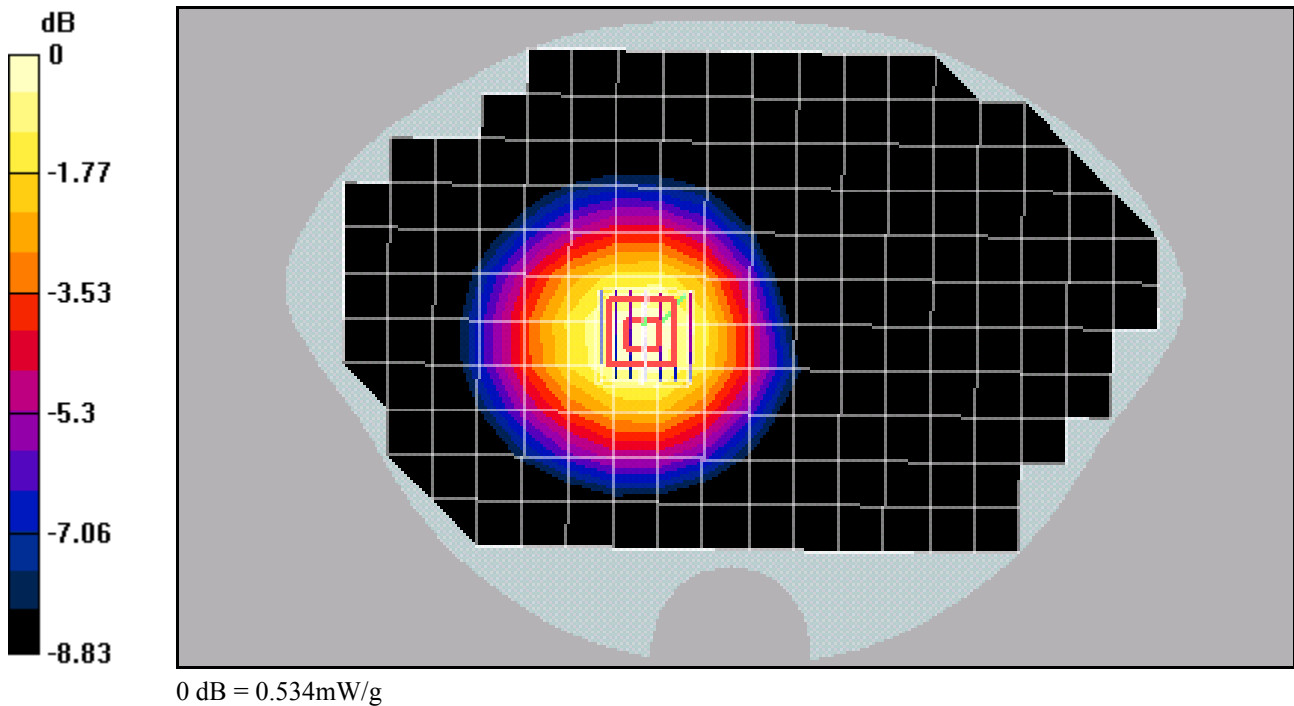
Reference Value = 16.3 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.660 W/kg

SAR(1 g) = 0.510 mW/g; SAR(10 g) = 0.372 mW/g

Info: Interpolated medium parameters used for SAR evaluation!

Maximum value of SAR (measured) = 0.534 mW/g



Test Laboratory: Kyocera

### KX17 #277D CDMA-800 Ch383 Flat with Belt Clip, 05-19-05

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

Medium: M900,Medium parameters used (interpolated):  $f = 836.49$  MHz;  $\sigma = 0.928$  mho/m;  $\epsilon_r = 56.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12,Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1664, ConvF(6.17, 6.17, 6.17), Calibrated: 9/2/2004

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

Electronics: DAE4 Sn602,Calibrated: 8/27/2004

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 130

**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

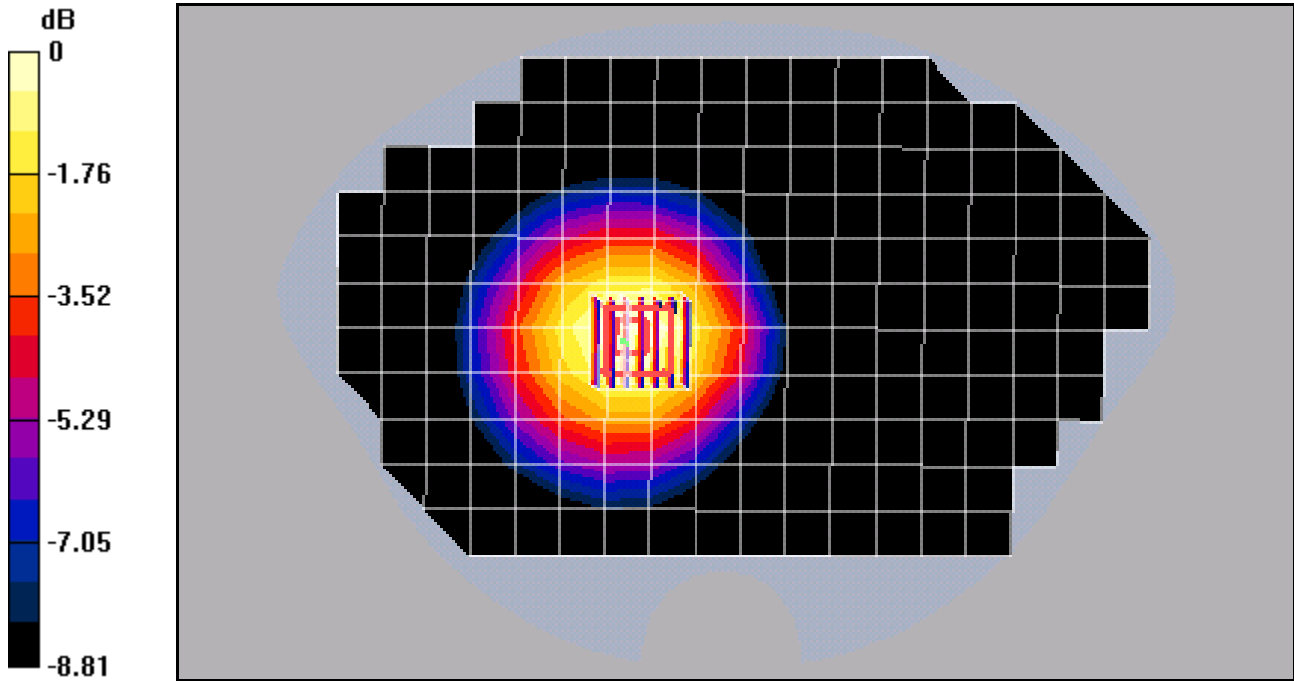
Reference Value = 15.9 V/m; Power Drift = 0.0 dB

Peak SAR (extrapolated) = 0.512 W/kg

SAR(1 g) = 0.405 mW/g; SAR(10 g) = 0.297 mW/g

Info: Interpolated medium parameters used for SAR evaluation!

Maximum value of SAR (measured) = 0.432 mW/g



0 dB = 0.432mW/g

Test Laboratory: Kyocera

**KX17 #277D CDMA-800 Ch383 Flat with Leather Case, 5-19-05**

Communication System: CDMA-800, Frequency: 836.49 MHz, Duty Cycle: 1:1  
 Medium: M900,Medium parameters used (interpolated):  $f = 836.49$  MHz;  $\sigma = 0.928$  mho/m;  $\epsilon_r = 56.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom: SAM 12,Phantom section: Flat Section

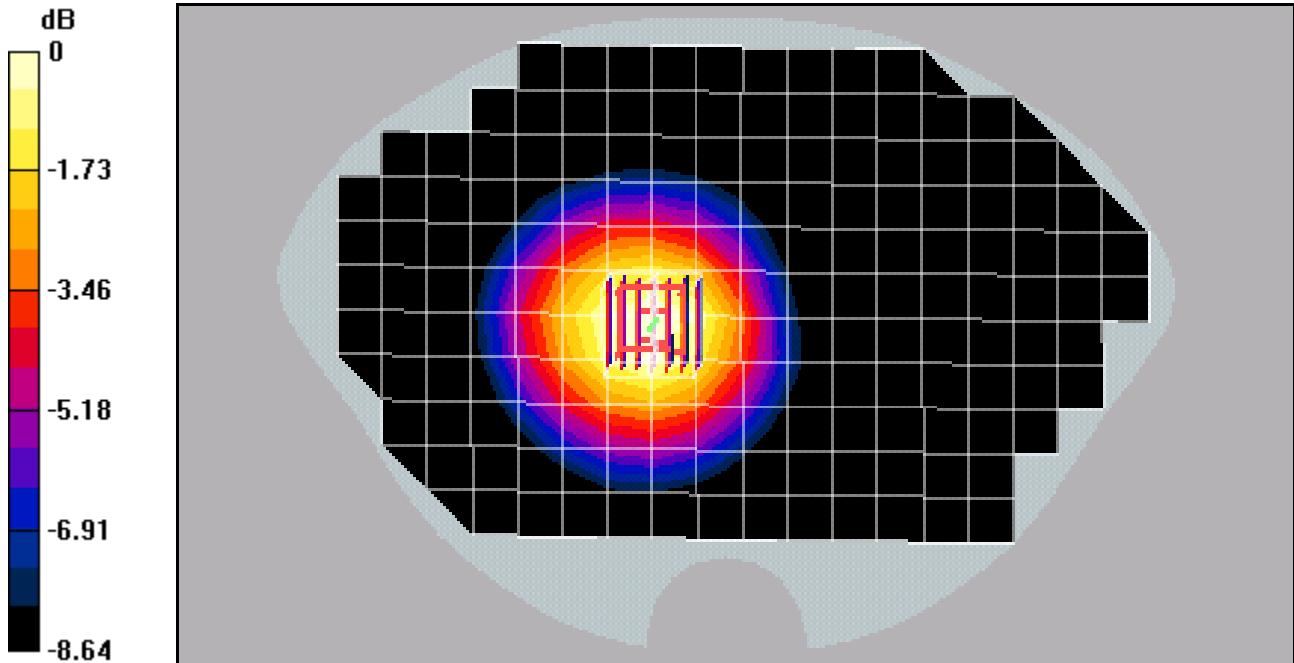
**DASY4 Configuration:**  
 Probe: ET3DV6 - SN1664, ConvF(6.17, 6.17, 6.17), Calibrated: 9/2/2004  
 Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),  
 Electronics: DAE4 Sn602,Calibrated: 8/27/2004  
 Measurement SW: DASY4, V4.4 Build 3  
 Postprocessing SW: SEMCAD, V1.8 Build 130

**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 = 17.8 V/m; Power Drift = -0.1 dB  
 Peak SAR (extrapolated) = 0.479 W/kg  
 SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.280 mW/g

Info: Interpolated medium parameters used for SAR evaluation!  
 Maximum value of SAR (measured) = 0.402 mW/g



0 dB = 0.402mW/g

