

## **Appendix B: OVFKWC-KPC650 SAR Plots**

# **Section 1**

## **CDMA 1900**

Date/Time: 09/01/04 15:02:20

Test Laboratory: Kyocera

**KPC650 #2FZJ, PCS FLAT #2 position with Dell Latitude and Power Cord Ch600**

Communication System: PCS-1900, Frequency: 1880 MHz, Duty Cycle: 1:1  
Medium: M1800, Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 55.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

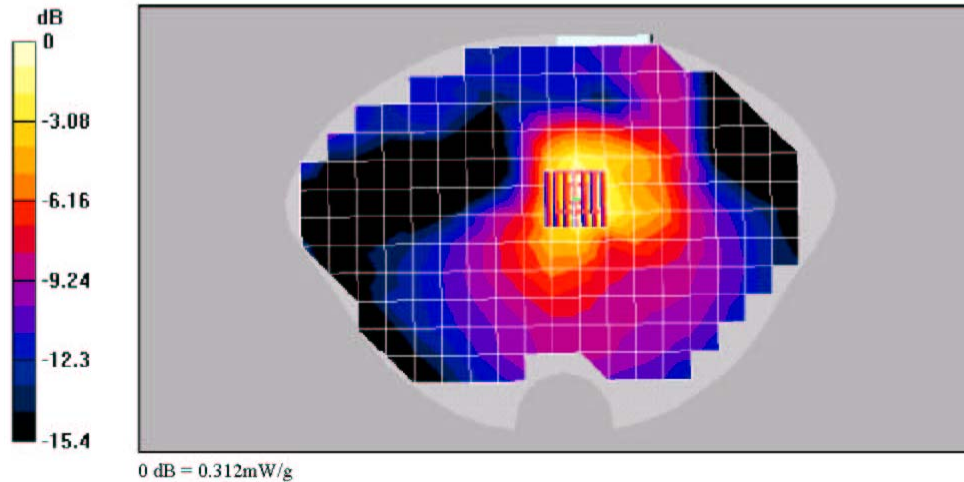
Probe: ET3DV6 - SN1714, ConvF(4.8, 4.8, 4.8), Calibrated: 10/10/2003  
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),  
Electronics: DAE3 Sn493, Calibrated: 11/25/2003  
Measurement SW: DASY4, V4.2 Build 44  
Postprocessing SW: SEMCAD, V1.8 Build 112

**Temperature:**

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

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

Reference Value = 11.6 V/m, Power Drift = 0.1 dB  
Maximum value of SAR (measured) = 0.312 mW/g  
Peak SAR (extrapolated) = 0.449 W/kg  
SAR(1 g) = 0.284 mW/g; SAR(10 g) = 0.173 mW/g



file://C:\Dasy4\20Reports\Catalina\PCS\20body\FCC-KPC650\20#2FZJ, PCS FLAT #2... 9/1/2004

Date/Time: 09/01/04 10:05:53

Test Laboratory: Kyocera

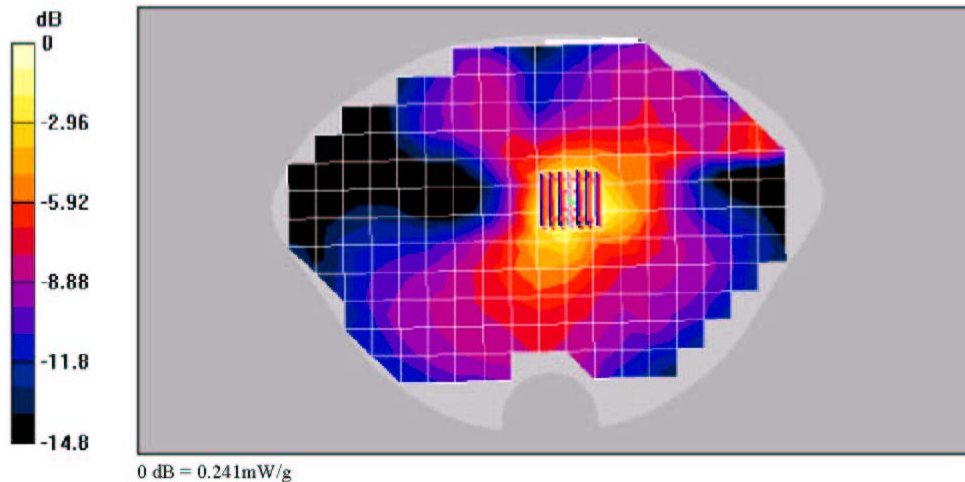
**FCC-KPC650 #2FZJ, PCS FLAT #2 position with Toshiba and Battery Pack and Power Cord Ch600**

Communication System: PCS-1900, Frequency: 1880 MHz, Duty Cycle: 1:1  
 Medium: M1800, Medium parameters used:  $f = 1880$  MHz,  $\sigma = 1.52$  mho/m,  $\epsilon_r = 55.3$ ,  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**  
 Probe: ET3DV6 - SN1714, ConvF(4.8, 4.8, 4.8), Calibrated: 10/10/2003  
 Sensor: Surface: 4mm (Mechanical And Optical Surface Detection),  
 Electronics: DAE3 Sn493, Calibrated: 11/25/2003  
 Measurement SW: DASY4, V4.2 Build 44  
 Postprocessing SW: SEMCAD, V1.8 Build 112

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

**PCS ch600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 10.6 V/m, Power Drift = -0.2 dB  
 Maximum value of SAR (measured) = 0.241 mW/g  
 Peak SAR (extrapolated) = 0.356 W/kg  
**SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.131 mW/g**



file://C:\Dasy4\Reports\Catalina\PCS%20body\FCC-KPC650%20#2FZJ, PCS FLAT #2... 9/1/2004

Date/Time: 09/01/04 12:47:22

Test Laboratory: Kyocera

**KPC650 #2FZJ, PCS FLAT #2 position with HP-Compaq nx5000 and Power Cord Ch600**

Communication System: PCS-1900, Frequency: 1880 MHz, Duty Cycle: 1:1  
Medium: M1800, Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 55.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

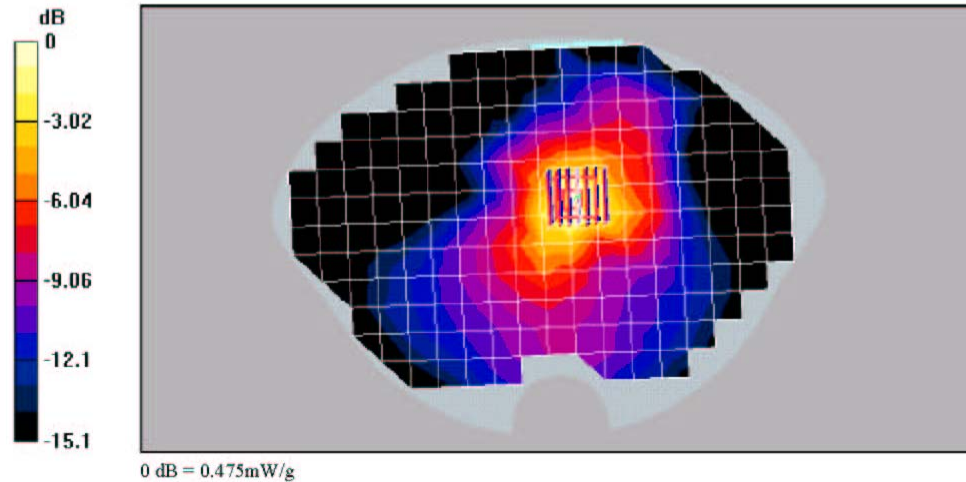
Probe: ET3DV6 - SN1714, ConvF(4.8, 4.8, 4.8), Calibrated: 10/10/2003  
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),  
Electronics: DAE3 Sn493, Calibrated: 11/25/2003  
Measurement SW: DASY4, V4.2 Build 44  
Postprocessing SW: SEMCAD, V1.8 Build 112

**Temperature:**

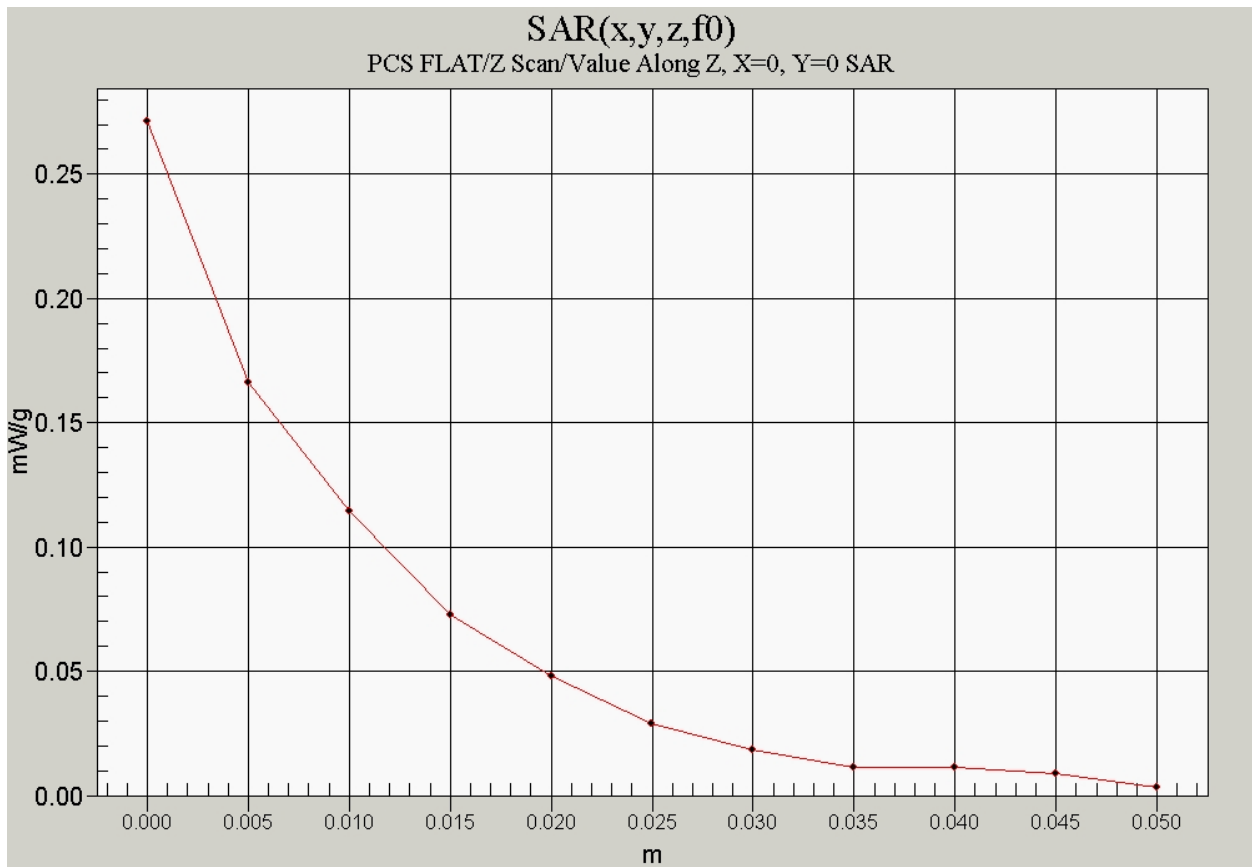
Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

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

Reference Value = 14.6 V/m, Power Drift = 0.1 dB  
Maximum value of SAR (measured) = 0.475 mW/g  
Peak SAR (extrapolated) = 0.680 W/kg  
SAR(1 g) = 0.432 mW/g; SAR(10 g) = 0.256 mW/g



file://C:\Dasy4\Reports\Catalina\PCS\body\FCC-KPC650\#2FZJ, PCS FLAT #2... 9/1/2004



## **Section 2 CDMA 800**

Date/Time: 08/31/04 19:54:18

Test Laboratory: Kyocera

**KPC 650 #2FZJ, CDMA-800 FLAT #2 position with DELL Latitude and Power Cord Ch383**

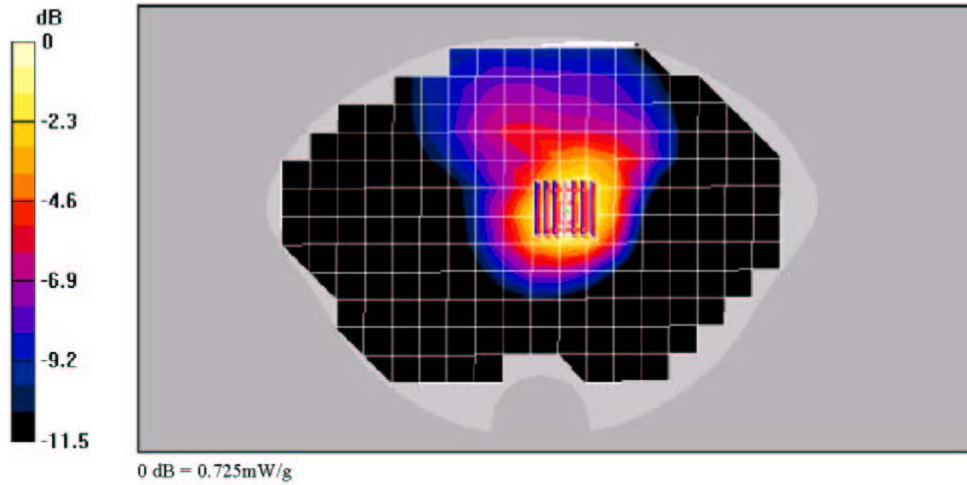
Communication System: CDMA-800, Frequency: 836.49 MHz, Duty Cycle: 1:1  
 Medium: M900, Medium parameters used (interpolated):  $f = 836.49 \text{ MHz}$ ;  $\sigma = 0.99 \text{ mho/m}$ ;  $\epsilon_r = 55.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom: SAM 12 Phantom section: Flat Section

**DASY4 Configuration:**  
 Probe: ET3D/V6 - SN1714, ConvF(6.3, 6.3, 6.3), Calibrated: 10/10/2003  
 Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),  
 Electronics: DAE 3 Sn493, Calibrated: 11/25/2003  
 Measurement SW: DASY4, V4.2 Build 44  
 Postprocessing SW: SEMCAD, V1.8 Build 112

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

**CDMA-800 Ch383/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 23.3 V/m, Power Drift = -0.2 dB  
 Maximum value of SAR (measured) = 0.725 mW/g  
 Peak SAR (extrapolated) = 0.935 W/kg  
**SAR(1g) = 0.668 mW/g; SAR(10g) = 0.446 mW/g**

Info: Interpolated medium parameters used for SAR evaluation!



file://C:\Dasy4\Reports\Catalina\CDMA-800\body\FCC-KPC650\#2FZJ, CDM... 9/1/2004



Date/Time: 08/31/04 14:08:42

Test Laboratory: Kyocera

**KPC650 #2FZJ, CDMA-800 FLAT #2 position with Toshiba and Battery Pack and Power Cord  
Ch383**

Communication System: CDMA-800, Frequency: 836.49 MHz, Duty Cycle: 1:1  
Medium: M900, Medium parameters used (interpolated):  $f = 836.49$  MHz,  $\sigma = 0.99$  rho/m,  $\epsilon_r = 55.2$ ,  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom: SAM 12, Phantom section: Flat Section

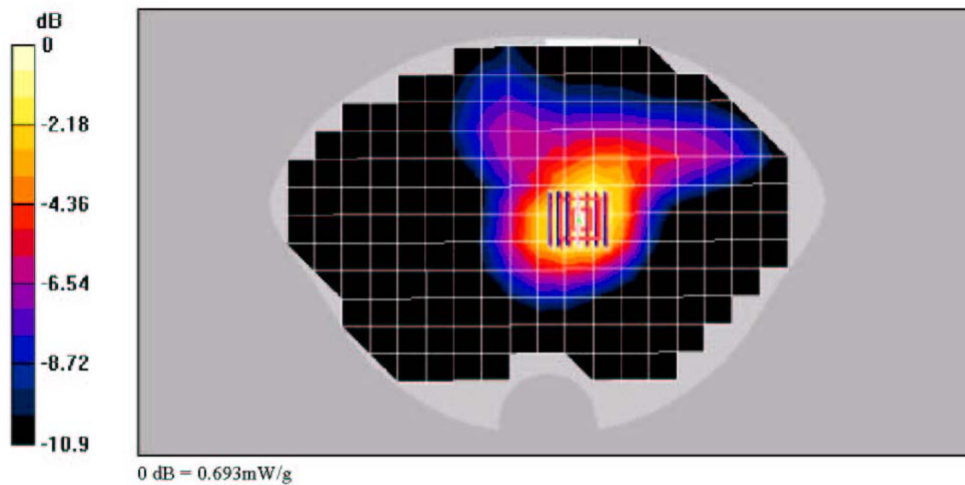
**DASY4 Configuration:**  
Probe: ET3DV6 - SN1714, ConvF(6.3, 6.3, 6.3), Calibrated: 10/10/2003  
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),  
Electronics: DAE3 Sn493, Calibrated: 11/25/2003  
Measurement SW: DASY4, V4.2 Build 44  
Postprocessing SW: SEMCAD, V1.8 Build 112

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

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

Reference Value = 22.8 V/m; Power Drift = -0.0 dB  
Maximum value of SAR (measured) = 0.693 mW/g  
Peak SAR (extrapolated) = 0.865 W/kg  
**SAR(1 g) = 0.646 mW/g; SAR(10 g) = 0.436 mW/g**

Inf: Interpolated medium parameters used for SAR evaluation!



file://C:\Dasy4\20Reports\Catalina\CDMA-800\20body\FCC-KPC650\20#2FZJ, CDM... 9/1/2004

Date/Time: 08/31/04 14:54:47

Test Laboratory: Kyocera

**KPC 650 #2FZJ, CDMA-800 FLAT #2 position with HP-Compaq nx5000 and Power Cord Ch1013**

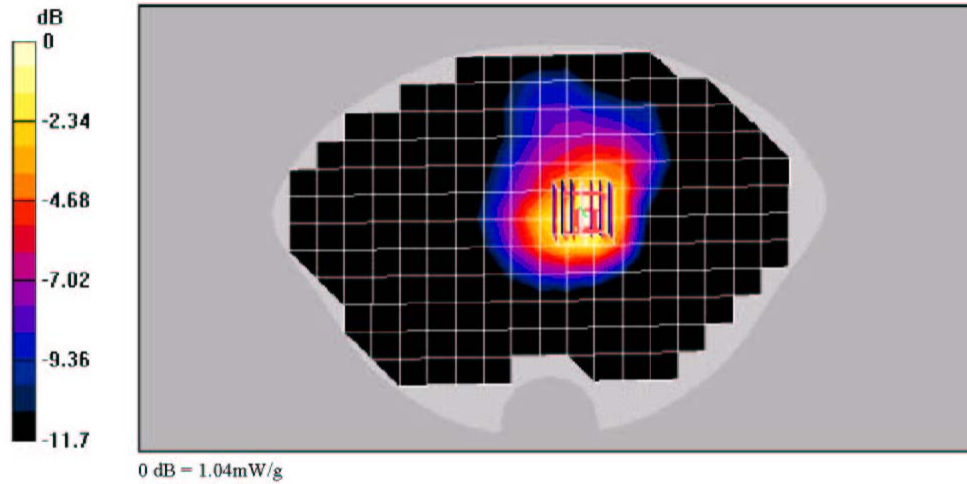
Communication System: CDMA-800, Frequency: 824.7 MHz, Duty Cycle: 1:1  
 Medium: M900, Medium parameters used (interpolated):  $f = 824.7 \text{ MHz}$ ;  $\sigma = 0.99 \text{ nho/m}$ ;  $\epsilon_r = 55.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**  
 Probe: ET3DV6 - SN1714, ConvF(6.3, 6.3, 6.3), Calibrated: 10/10/2003  
 Sensor: Surface 4mm (Mechanical And Optical Surface Detection),  
 Electronics: DAE3 Sn493, Calibrated: 11/25/2003  
 Measurement SW: DASY4, V4.2 Build 44  
 Postprocessing SW: SEMCAD, V1.8 Build 112

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

**CDMA-800 Ch1013/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 25.6 V/m, Power Drift = -0.0 dB  
 Maximum value of SAR (measured) = 1.04 mW/g  
 Peak SAR (extrapolated) = 1.34 W/kg  
**SAR(1 g) = 0.960 mW/g; SAR(10 g) = 0.622 mW/g**

Info: Interpolated medium parameters used for SAR evaluation!



file://C:\Dasy4\20Reports\Catalina\CDMA-800\20body\FCC-KPC650\20#2FZJ, CDM... 9/1/2004

Date/Time: 08/31/04 14:54:47

Test Laboratory: Kyocera

**KPC650 #2FZJ, CDMA-800 FLAT #2 position with HP-Compaq nx5000 and Power Cord Ch383**

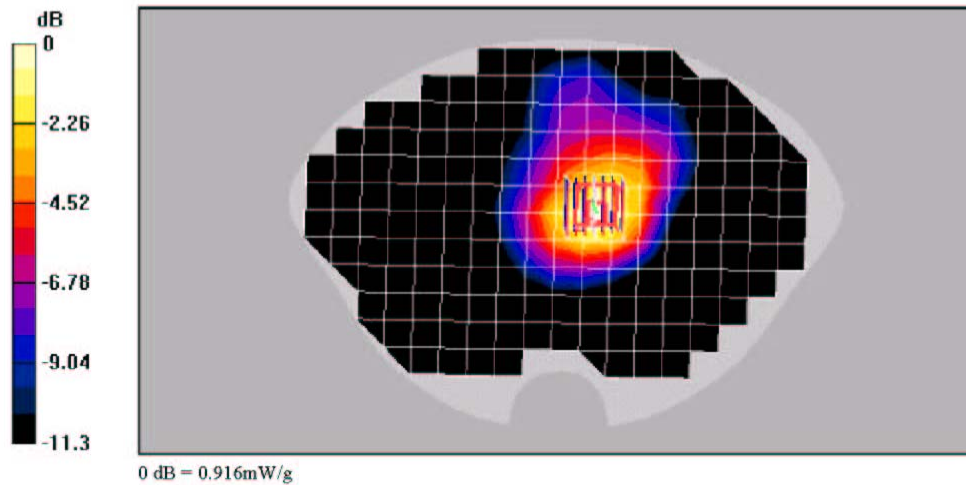
Communication System: CDMA-800, Frequency: 836.49 MHz, Duty Cycle: 1:1  
 Medium: M900, Medium parameters used (interpolated):  $f = 836.49$  MHz;  $\sigma = 0.99$  nA/m;  $\epsilon_r = 55.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**  
 Probe: ET3DV6 - SN1714, ConvF(6.3, 6.3, 6.3), Calibrated: 10/10/2003  
 Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),  
 Electronics: DAE3 Sn493, Calibrated: 11/25/2003  
 Measurement SW: DASY4, V4.2 Build 44  
 Postprocessing SW: SEMCAD, V1.8 Build 112

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

**CDMA-800 Ch383/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 25.8 V/m, Power Drift = -0.1 dB  
 Maximum value of SAR (measured) = 0.916 mW/g  
 Peak SAR (extrapolated) = 1.21 W/kg  
**SAR(1 g) = 0.841 mW/g; SAR(10 g) = 0.550 mW/g**

Info: Interpolated medium parameters used for SAR evaluation!



file://C:\Dasy4\20Reports\Catalina\CDMA-800\20body\FCC-KPC650\20#2FZJ, CDM... 9/1/2004

Date/Time: 08/31/04 14:54:47

Test Laboratory: Kyocera

**KPC 650 #2FZJ, CDMA-800 FLAT #2 position with HP-Compaq nx5000 and Power Cord Ch777**

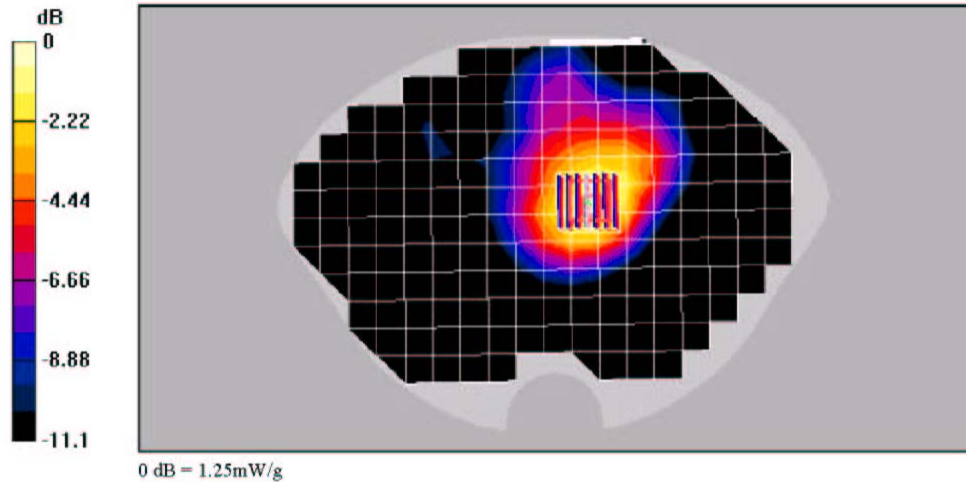
Communication System: CDMA-800, Frequency: 848.31 MHz, Duty Cycle: 1:1  
 Medium: M900, Medium parameters used (interpolated):  $f = 848.31$  MHz,  $\sigma = 0.99$  mho/m,  $\epsilon_r = 55.2$ ,  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**  
 Probe: ET3DV6 - SN1714, ConvF(6.3, 6.3, 6.3), Calibrated: 10/10/2003  
 Sensor: Surface 4mm (Mechanical And Optical Surface Detection),  
 Electronics: DAE3 Sn493, Calibrated: 11/25/2003  
 Measurement SW: DASY4, V4.2 Build 44  
 Postprocessing SW: SEMCAD, V1.8 Build 112

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

**CDMA-800 Ch777/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 26.8 V/m, Power Drift = -0.1 dB  
 Maximum value of SAR (measured) = 1.25 mW/g  
 Peak SAR (extrapolated) = 1.67 W/kg  
**SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.766 mW/g**

Info: Interpolated medium parameters used for SAR evaluation!



file://C:\Dasy4\20Reports\Catalina\CDMA-800\20body\FCC-KPC650\20#2FZJ, CDM... 9/1/2004

