

Appendix A:

Validation Test Printout

Date/Time: 11/17/04 00:28:46

Test Laboratory: Kyocera

FCC 835Mhz Validation @20dB Probe 1714, DAE 322, Dipole 454, 11-17-04

Communication System: CW, Frequency: 835 MHz, Duty Cycle: 1:1

Medium: HSL900, Medium parameters used: $f = 835 \text{ MHz}$, $\sigma = 0.89 \text{ nho/m}$, $\epsilon_r = 40.8$, $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1714, ConvF(6.39, 6.39, 6.39), Calibrated: 9/29/2004

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

Electronics: DAE3 Sn322, Calibrated: 7/9/2004

Measurement SW: DASY4, V4.4 Build 3

Postprocessing SW: SEMCAD, V1.8 Build 130

Temperature

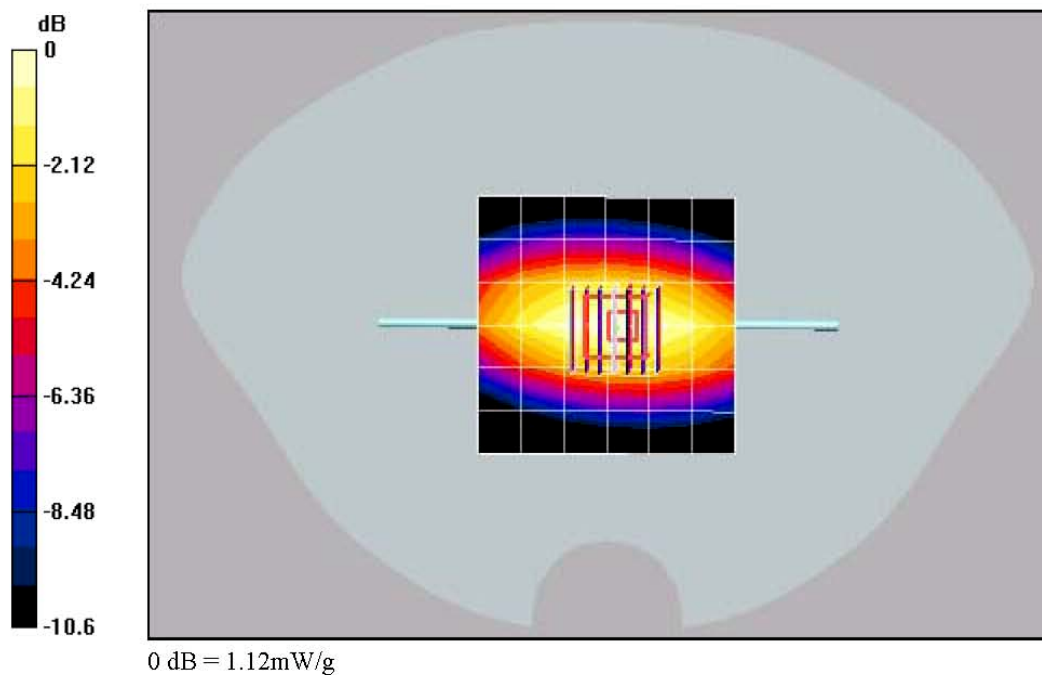
Room T = $21.8 \pm 1 \text{ deg C}$, Liquid T = $22.0 \pm 1 \text{ deg C}$

20 dbm validation/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$.

Reference Value = 36.6 V/m , Power Drift = -0.008 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 1.04 mW/g ; SAR(10 g) = 0.670 mW/g



Date/Time: 11/16/04 15:21:48

Test Laboratory: Kyocera

FCC 1900Mhz Validation @20dB Probe 1714, DAE322, Dipole 5d003, 11-16-04

Communication System: CW, Frequency: 1900 MHz, Duty Cycle: 1:1

Medium: HSL1800, Medium parameters used (interpolated): $f = 1900$ MHz, $\sigma = 1.41$ mho/m, $\epsilon_r = 40.5$, $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1714, ConvF(5.31, 5.31, 5.31), Calibrated: 9/29/2004

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

Electronics: DAE3 Sn322, Calibrated: 7/9/2004

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

1900MHz Validation @20dBm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

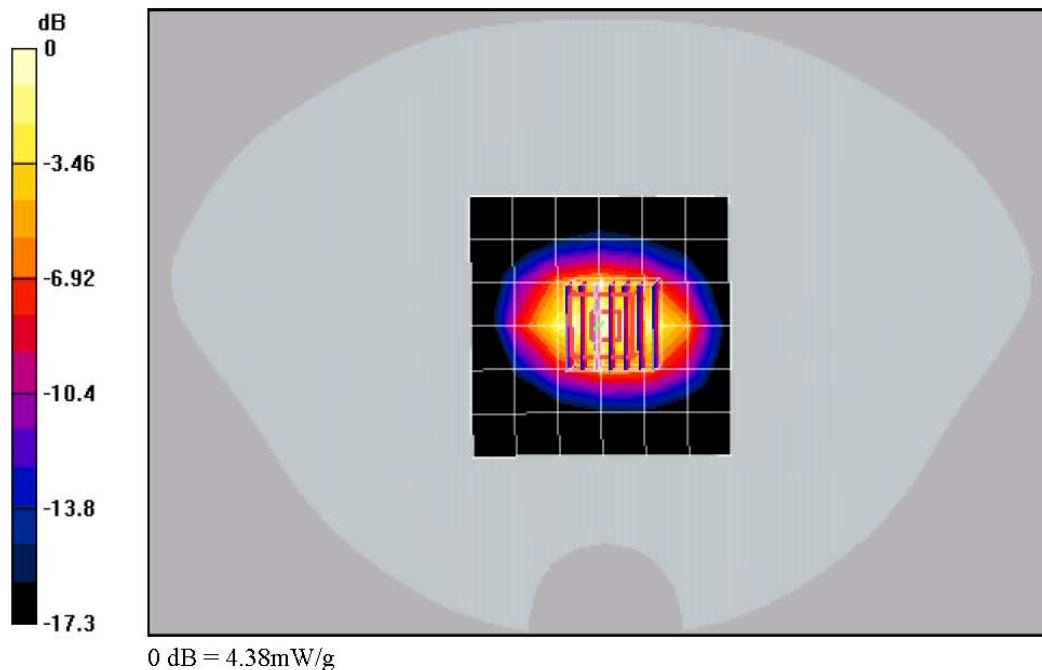
Reference Value = 58.8 V/m, Power Drift = -0.1 dB

Peak SAR (extrapolated) = 6.65 W/kg

SAR(1 g) = 3.9 mW/g, SAR(10 g) = 2.09 mW/g

Info: Interpolated medium parameters used for SAR evaluation!

Maximum value of SAR (measured) = 4.38 mW/g



Date/Time: 11/18/04 03:30:57

Test Laboratory: Kyocera

FCC 1900Mhz Validation @20dB Probe 1714, DAE322, Dipole 5d003, 11-18-04

Communication System: CW, Frequency: 1900 MHz, Duty Cycle: 1:1

Medium: HSL1800, Medium parameters used (interpolated): $f = 1900$ MHz, $\sigma = 1.43$ mho/m, $\epsilon_r = 40.6$, $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1714, ConvF(5.31, 5.31, 5.31), Calibrated: 9/29/2004

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

Electronics: DAE3 Sn322, Calibrated: 7/9/2004

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

1900MHz Validation @20dBm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.2 V/m, Power Drift = -0.5 dB

Peak SAR (extrapolated) = 6.68 W/kg

SAR(1 g) = 3.93 mW/g; SAR(10 g) = 2.1 mW/g

Info: Interpolated medium parameters used for SAR evaluation!

Maximum value of SAR (measured) = 4.39 mW/g

