

Appendix A:

Validation Test Plots

Test Laboratory: Kyocera

C2PC KX9 835MHz Validation @ 20dBm, Probe #1664, DAE #602, Dipole #454

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

Medium: HSL900, Medium parameters used: $f = 835$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(6.56, 6.56, 6.56), 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

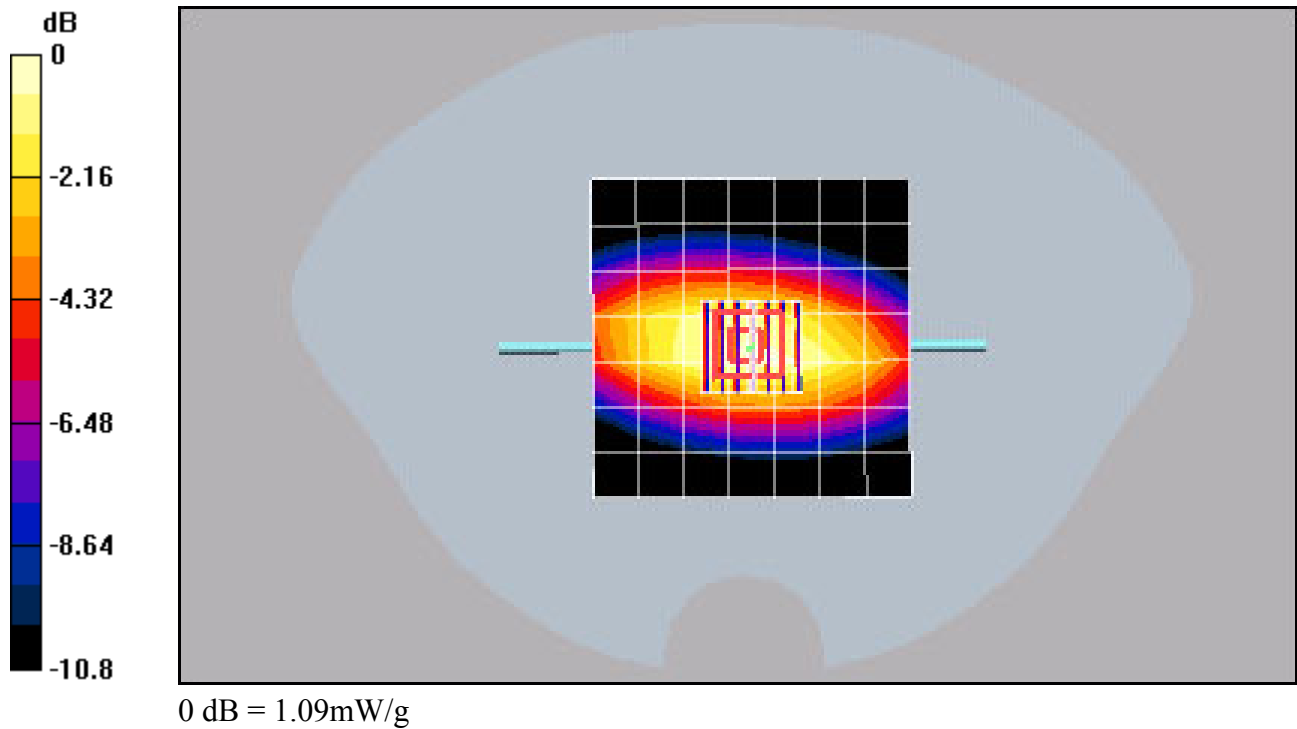
Validation Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 36.1 V/m; Power Drift = 0.007 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.654 mW/g

Maximum value of SAR (measured) = 1.09 mW/g



Test Laboratory: Kyocera

C2PC KX9 1900MHz Validation @ 20dBm, Probe #1664, DAE #602, Dipole #5d005

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

Medium: HSL1800, Medium parameters used: $f = 1900$ MHz; $\sigma = 1.36$ mho/m; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(5.43, 5.43, 5.43), 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

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

Reference Value = 63 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 7.43 W/kg

SAR(1 g) = 4.24 mW/g; SAR(10 g) = 2.24 mW/g

Maximum value of SAR (measured) = 4.78 mW/g

