

Appendix C

Photographs of Test Setup

of

Product Name & Model

AR5BXB6 802.11 a/b/g PCI Express Module

1 2450MHz System Validation Data

Report Date : 13-Mar-2007
Measurement Date : 13-Mar-2007

Product Data

Device Name : Dipole-2450
Serial No. : Validation
Type : Dipole
Model : Standard
Frequency : 2450.00 MHz
Max. Transmit Pwr : 1 W
Drift Time : 0 min(s)
Length : 51.5 mm
Width : 3.6 mm
Depth : 30.4 mm
Antenna Type : Internal
Power Drift-Start : 62.989 W/kg
Power Drift-Finish: 61.834 W/kg
Power Drift (%) : -1.834

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Location : Center

Tissue Data

Type : HEAD
Serial No. : 2450HEAD
Frequency : 2450.00 MHz
Last Calib. Date : 13-Mar-2007
Temperature : 21.80 °C
Ambient Temp. : 21.90 °C
Humidity : 44.00 RH%
Epsilon : 39.01 F/m
Sigma : 1.77 S/m
Density : 1000.00 kg/cu. m

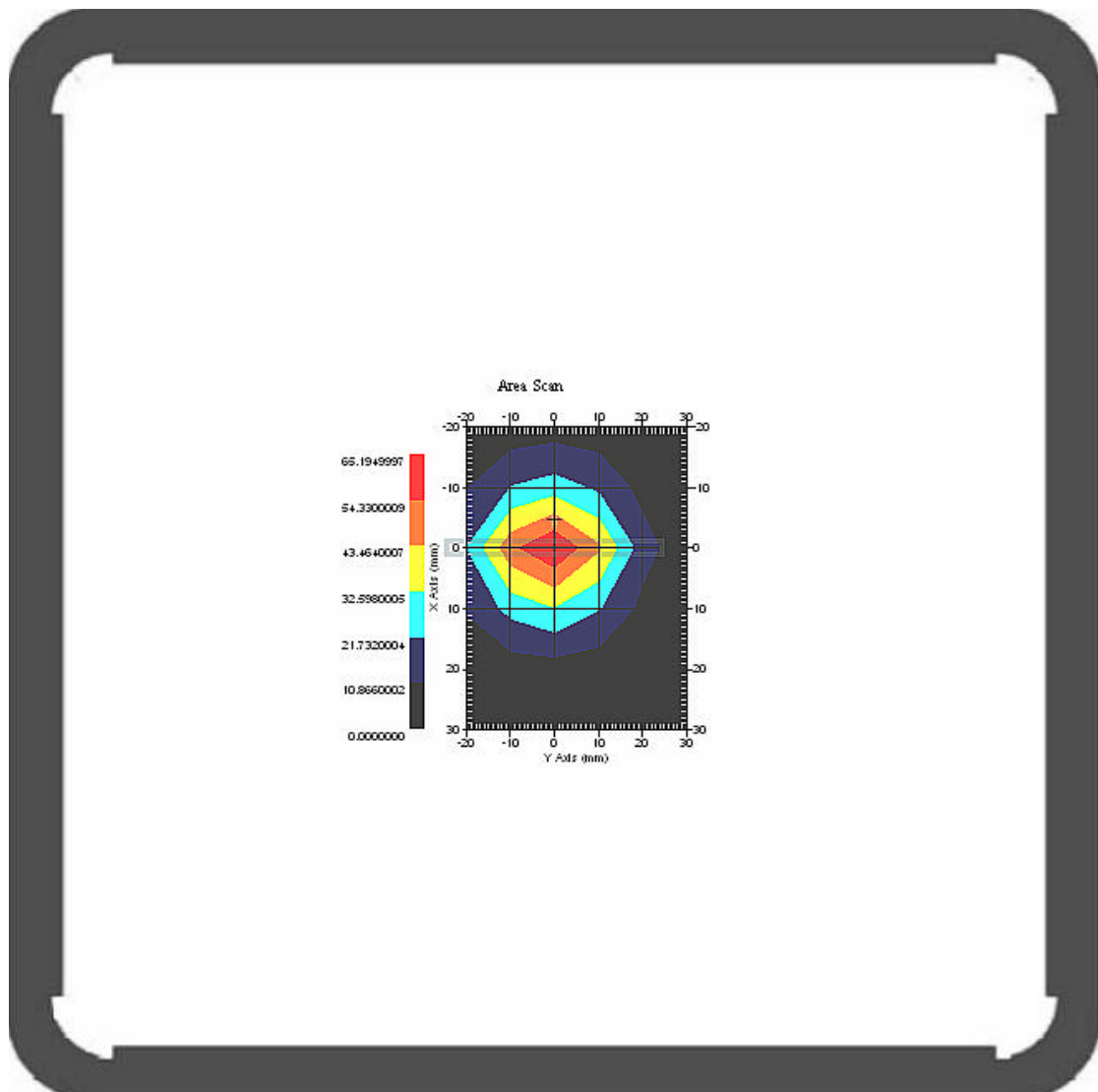
Probe Data

Name : E-field Probe
Model : ALS-E-020
Type : E-Field Triangle
Serial No. : 266
Last Calib. Date : 22-Jun-2006
Frequency : 2450.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 4.9
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

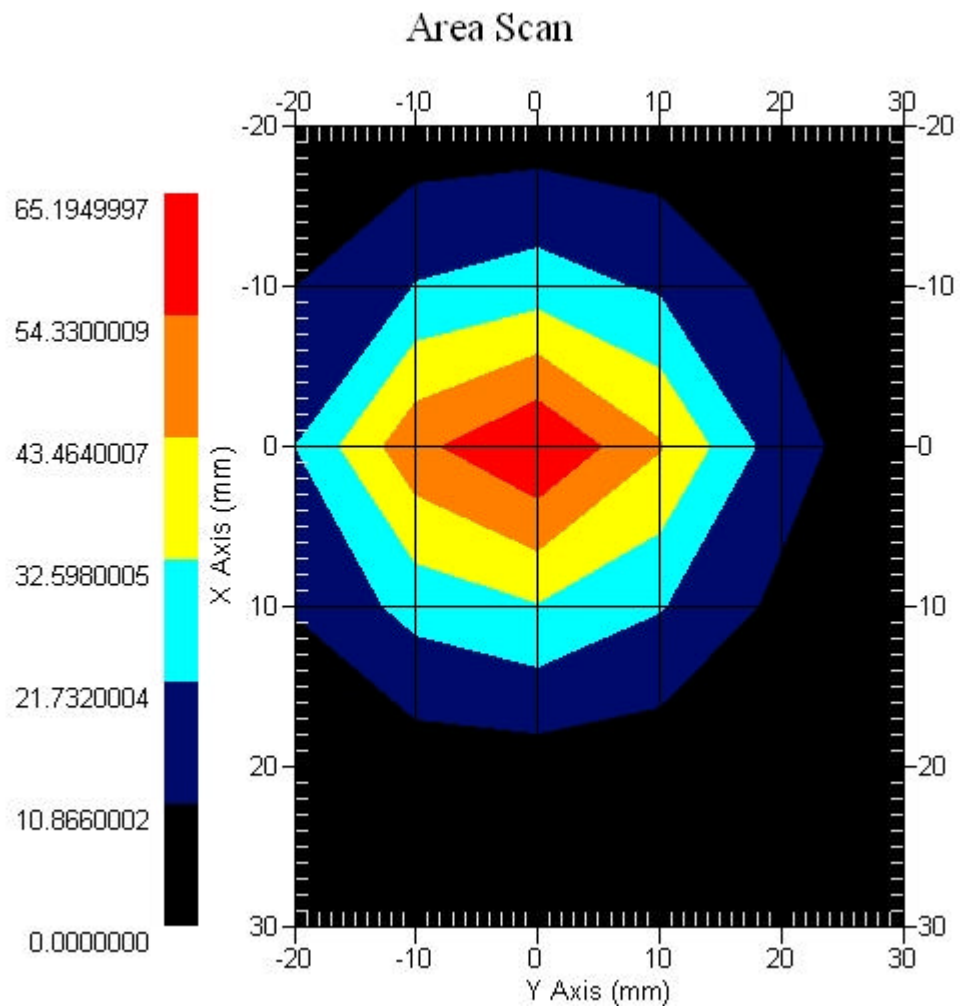
Crest Factor : 1
Tissue Temp. : 21.80 °C
Ambient Temp. : 21.90 °C
Area Scan : 6x6x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm

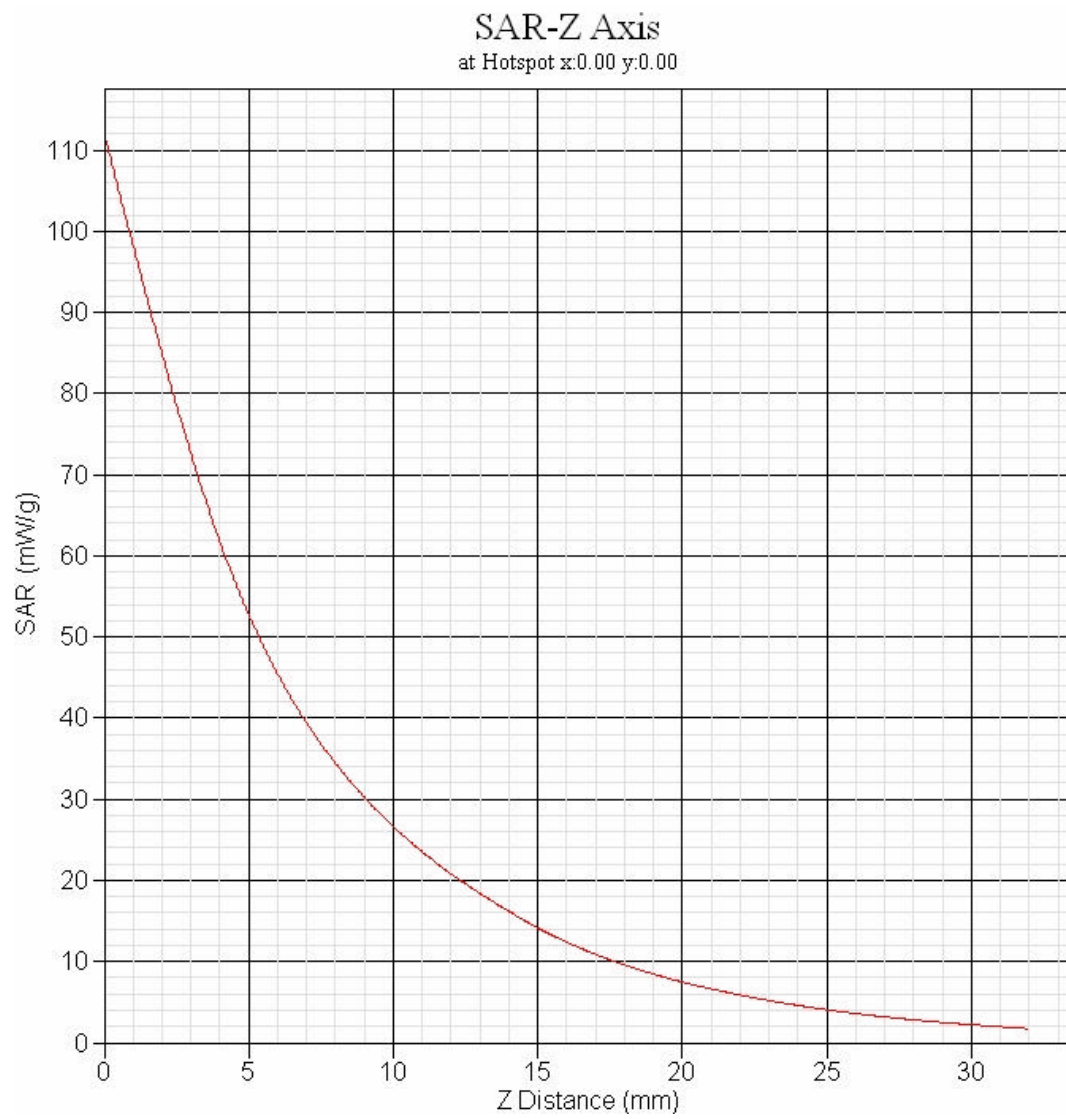
Channel : Mid



1 gram SAR value : 52.024 W/kg
10 gram SAR value : 24.981 W/kg
Area Scan Peak SAR : 65.195 W/kg
Zoom Scan Peak SAR : 112.021 W/kg

Area Scan Plot





2 5200MHz System Validation Data

Report Date : 09-Mar-2007
Measurement Date : 09-Mar-2007

Product Data

Device Name : Dipole-5200
Serial No. : 230-00802
Type : Dipole
Model : ALS-D-5200-S-2
Frequency : 5200.00 MHz
Max. Transmit Pwr : 1 W
Drift Time : 0 min(s)
Length : 23.4 mm
Width : 3.6 mm
Depth : 15.4 mm
Antenna Type : Internal
Power Drift-Start : 80.112 W/kg
Power Drift-Finish: 79.853 W/kg
Power Drift (%) : -0.325

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Location : Center

Tissue Data

Type : HEAD
Serial No. : 5200-H-AU-18
Frequency : 5200.00 MHz
Last Calib. Date : 09-Mar-2007
Temperature : 22.00 °C
Ambient Temp. : 22.20 °C
Humidity : 46.00 RH%
Epsilon : 35.12 F/m
Sigma : 4.78 S/m
Density : 1000.00 kg/cu. m

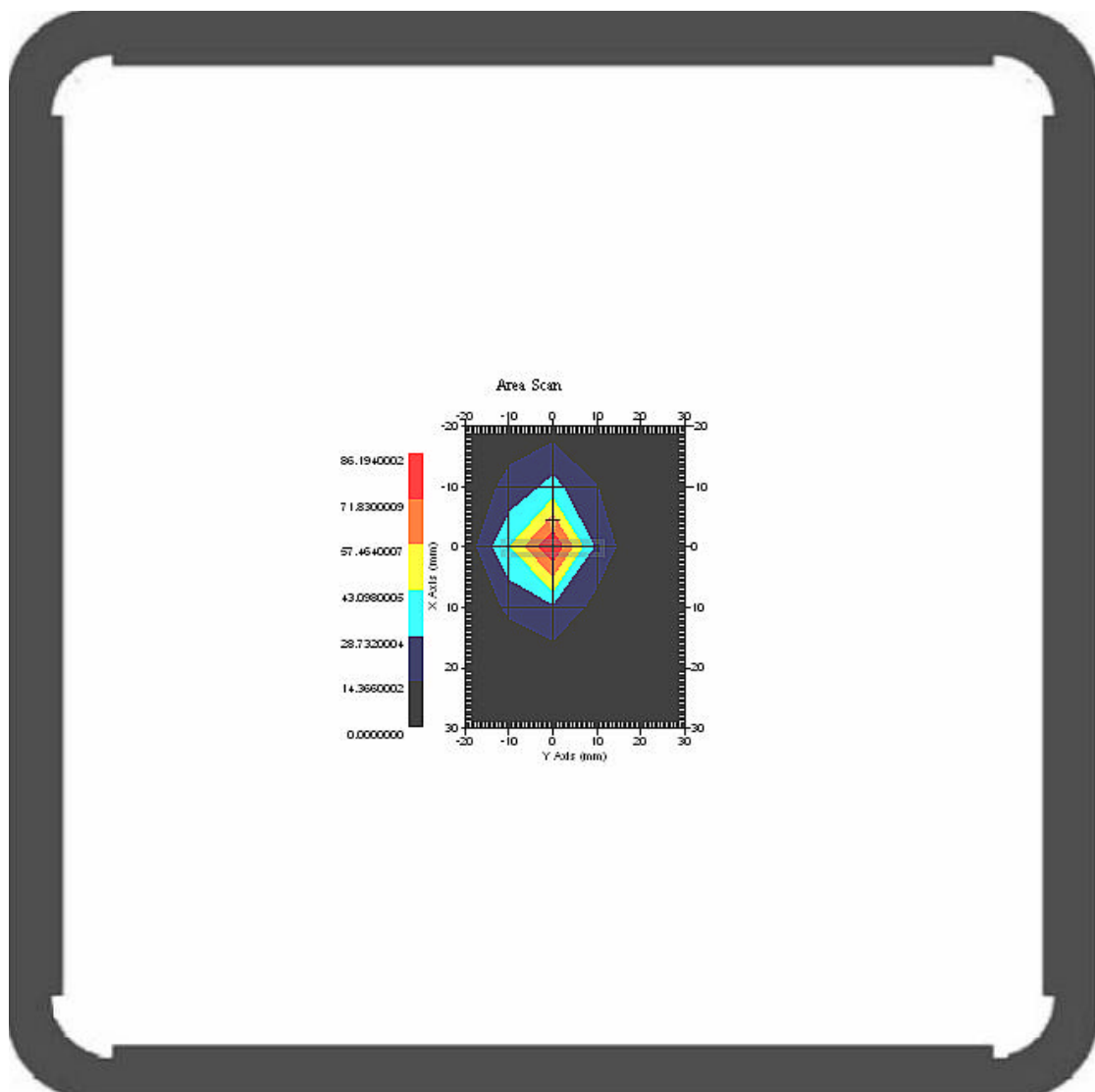
Probe Data

Name : E-field Probe
Model : ALS-E-020
Type : E-Field Triangle
Serial No. : 266
Last Calib. Date : 22-Jun-2006
Frequency : 5200.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.82
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

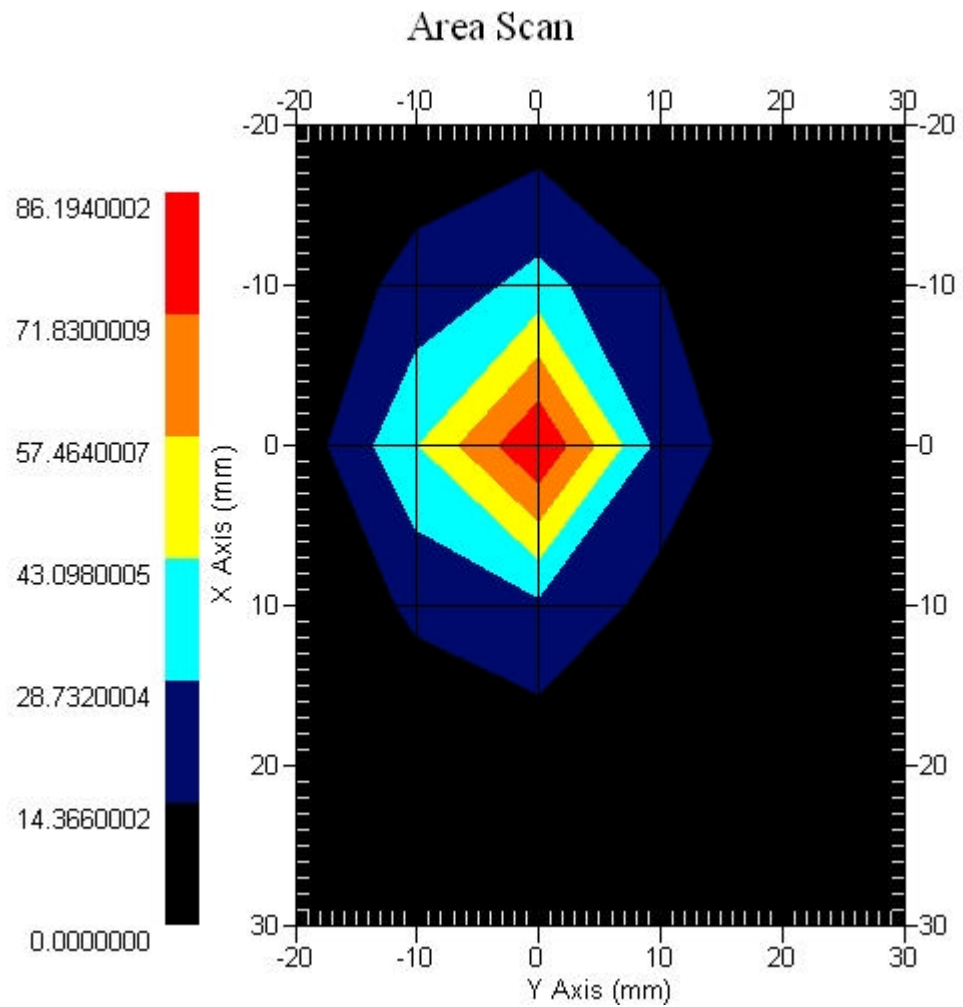
Crest Factor : 1
Tissue Temp. : 22.00 °C
Ambient Temp. : 22.20 °C
Area Scan : 6x6x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 9x9x13 : Measurement x=4mm, y=4mm, z=2.5mm

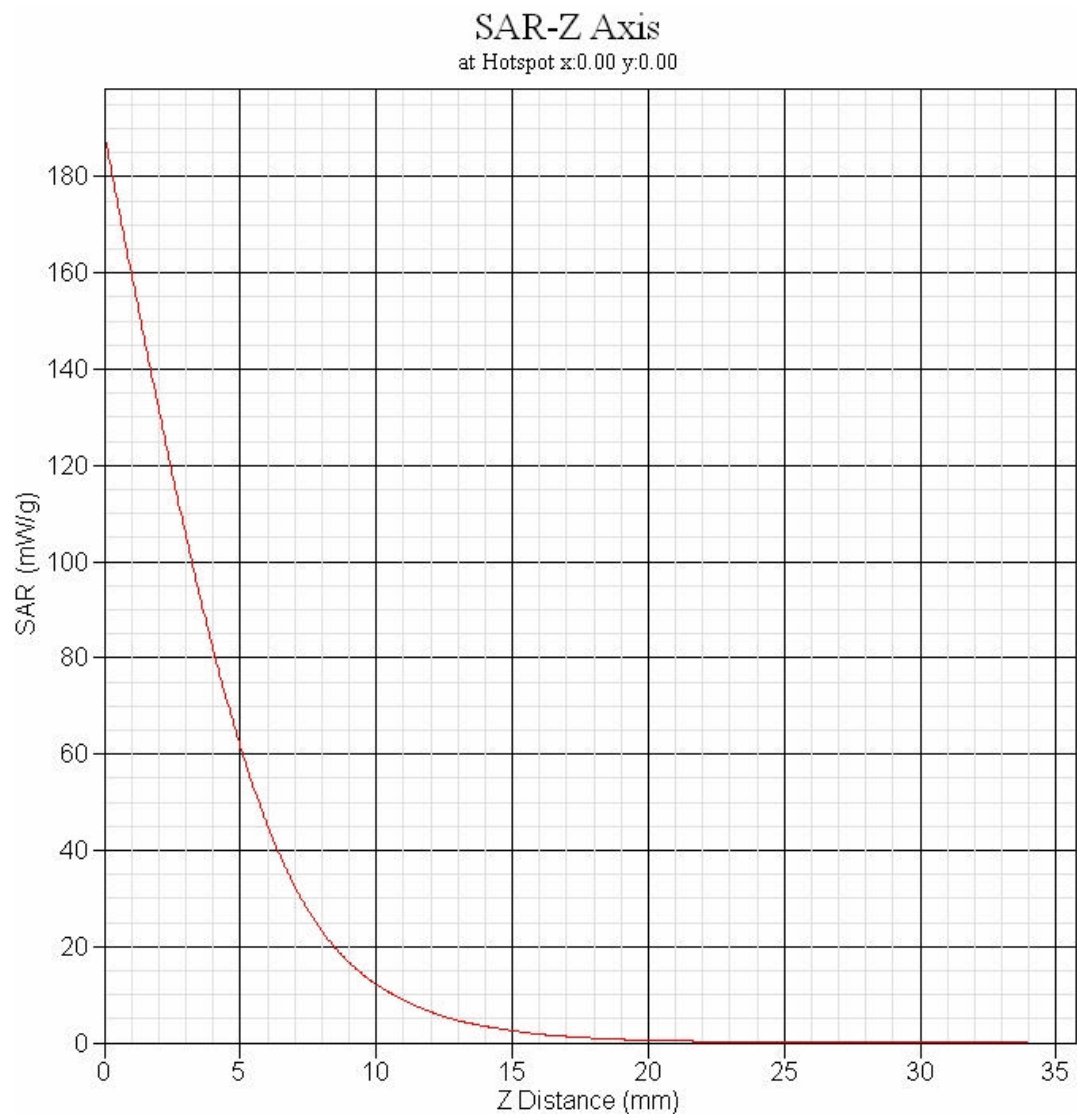
Channel : Mid



1 gram SAR value : 64.227 W/kg
10 gram SAR value : 18.261 W/kg
Area Scan Peak SAR : 86.194 W/kg
Zoom Scan Peak SAR : 188.947 W/kg

Area Scan Plot





3 5800MHz System Validation Data

Report Date : 09-Mar-2007
Measurement Date : 09-Mar-2007

Product Data

Device Name : Dipole-5800
Serial No. : 240-00852
Type : Dipole
Model : ALS-D-5800-S-2
Frequency : 5800.00 MHz
Max. Transmit Pwr : 1 W
Drift Time : 0 min(s)
Length : 21.4 mm
Width : 3.6 mm
Depth : 89.8 mm
Antenna Type : Internal
Power Drift-Start : 75.127 W/kg
Power Drift-Finish: 74.542 W/kg
Power Drift (%) : -0.782

Phantom Data

Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Location : Center

Tissue Data

Type : HEAD
Serial No. : 5800-H-AU-19
Frequency : 5800.00 MHz
Last Calib. Date : 09-Mar-2007
Temperature : 22.00 °C
Ambient Temp. : 22.20 °C
Humidity : 46.00 RH%
Epsilon : 36.80 F/m
Sigma : 5.48 S/m
Density : 1000.00 kg/cu. m

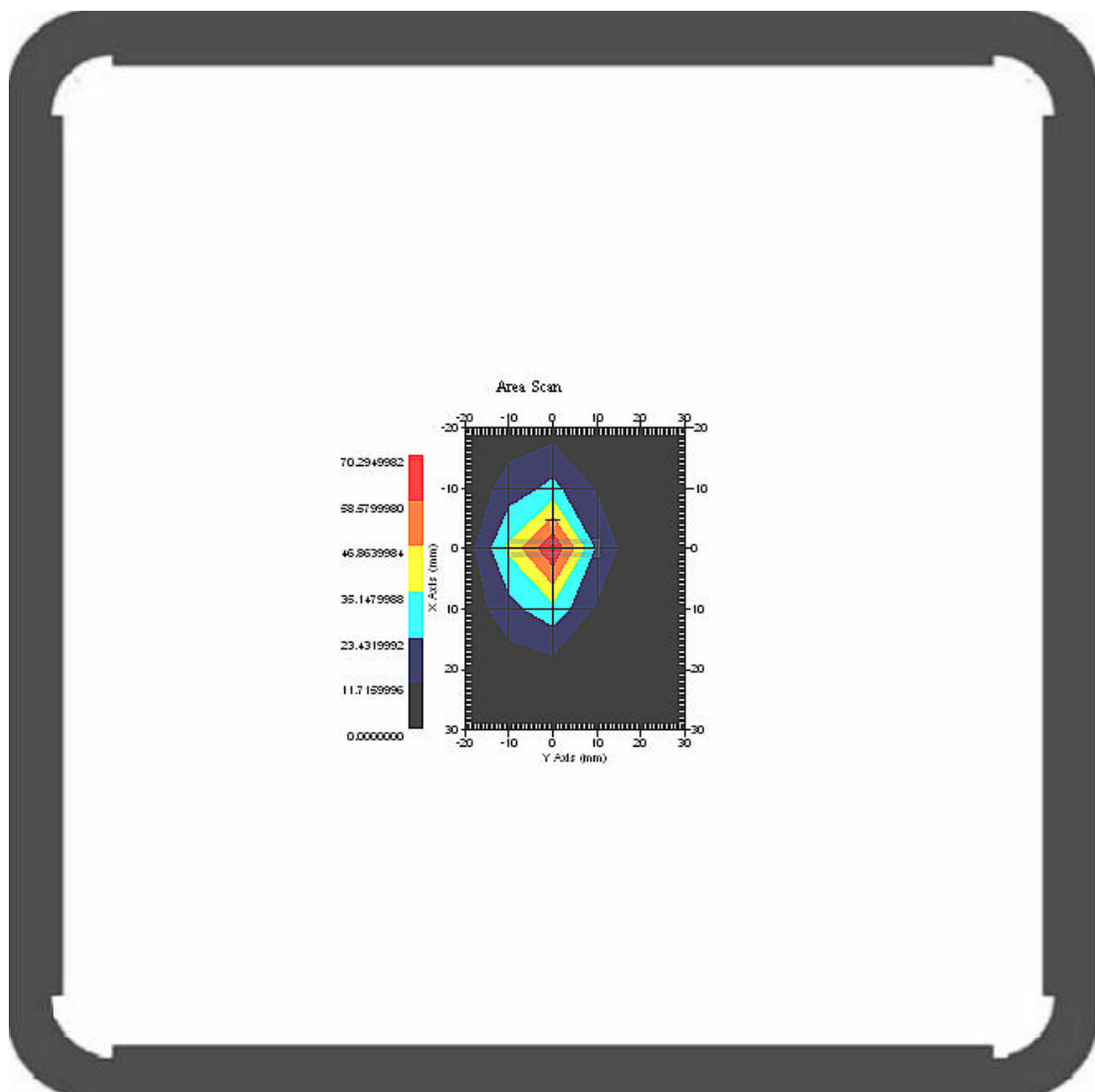
Probe Data

Name : E-field Probe
Model : ALS-E-020
Type : E-Field Triangle
Serial No. : 266
Last Calib. Date : 22-Jun-2006
Frequency : 5800.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.72
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data

Crest Factor : 1
Tissue Temp. : 22.00 °C
Ambient Temp. : 22.20 °C
Area Scan : 6x6x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 9x9x13 : Measurement x=4mm, y=4mm, z=2.5mm

Channel : Mid



1 gram SAR value : 60.232 W/kg
10 gram SAR value : 18.697 W/kg
Area Scan Peak SAR : 70.295 W/kg
Zoom Scan Peak SAR : 183.298 W/kg

Area Scan Plot

