

SAR System Validation Data

ALSAS-10U VER 2.3.2 APREL Laboratories

SAR Test Report

Report Date : 09-Feb-2007
Measurement Date : 09-Feb-2007

Product Data

Device Name : Dipole-2450
Type : Dipole
Frequency : 2450.00 MHz
Max. Transmit Pwr : 0.25 W
Drift Time : 0 min(s)
Length : 51.5 mm
Width : 3.6 mm
Depth : 30.4 mm
Power Drift-Start : 7.060 W/kg
Power Drift-Finish: 6.881 W/kg
Power Drift (%) : -2.498

Phantom Data

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

Tissue Data

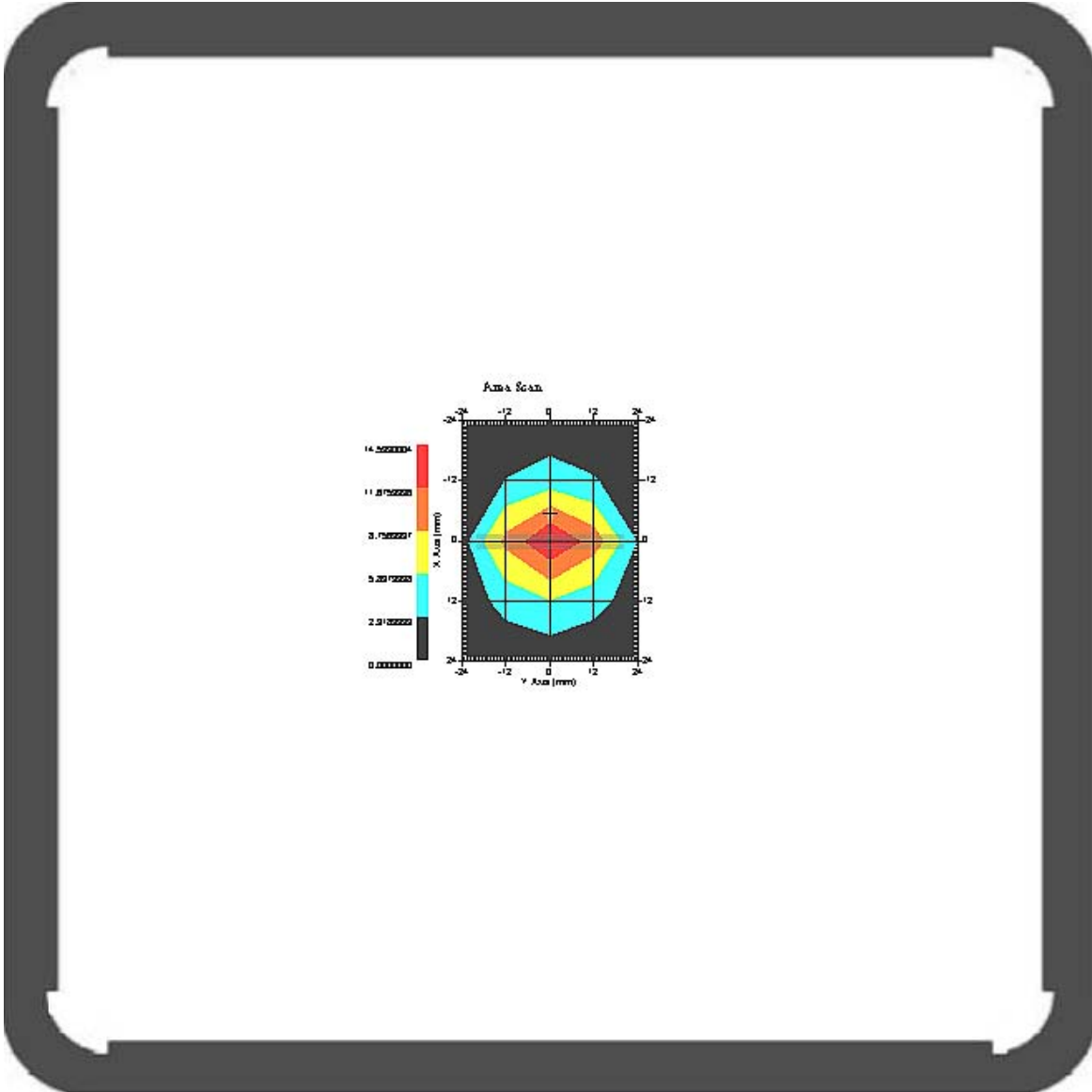
Type : HEAD
Serial No. : 325-H
Frequency : 2450.00 MHz
Last Calib. Date : 09-Feb-2007
Temperature : 20.80 °C
Ambient Temp. : 21.30 °C
Humidity : 53.00 RH%
Epsilon : 38.32 F/m
Sigma : 1.849 S/m
Density : 1000.00 kg/cu. m

Probe Data

Name : Probe 264
Model : E020
Type : E-Field Triangle
Serial No. : 264
Last Calib. Date : 21-Mar-2006
Frequency : 2450.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 5
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

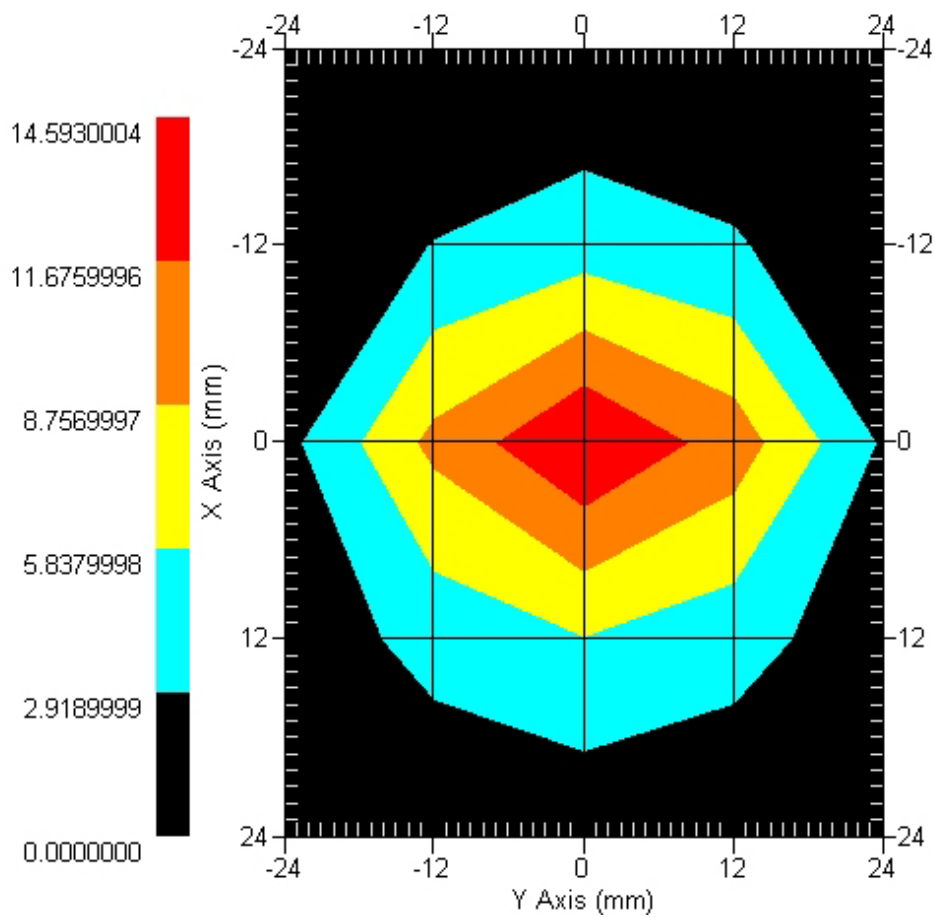
Crest Factor : 1
Tissue Temp. : 20.80 °C
Ambient Temp. : 21.20 °C
Area Scan : 5x5x1 : Measurement x=12mm, y=12mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Frequency : 2450



1 gram SAR value : 12.840 W/kg
10 gram SAR value : 5.809 W/kg
Area Scan Peak SAR : 14.593 W/kg
Zoom Scan Peak SAR : 27.323 W/kg

This is previous page plot (zoom in)

Area Scan



SAR-Z Axis
at Hotspot x:0.06 y:-0.01

