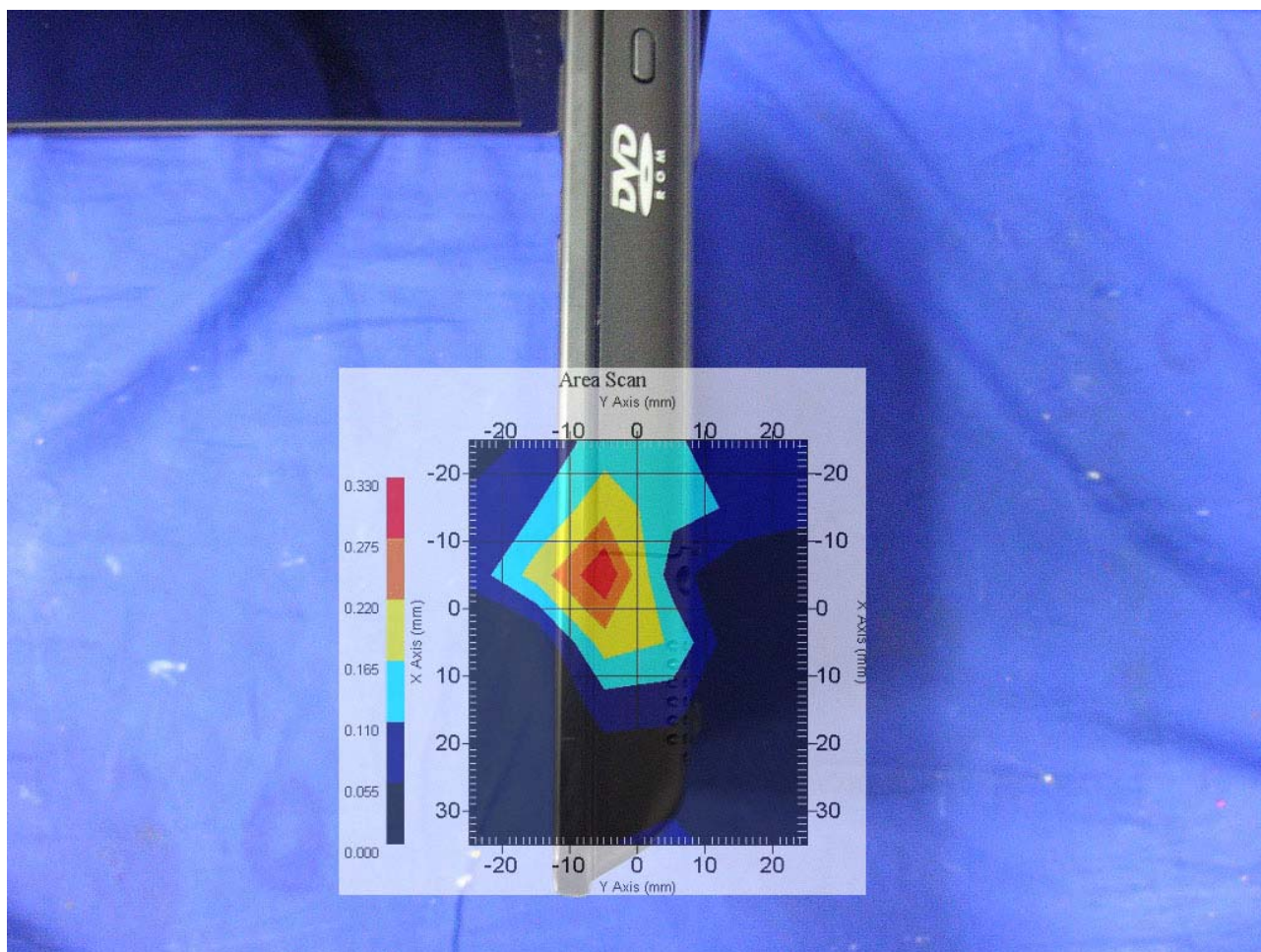


Measurement Data

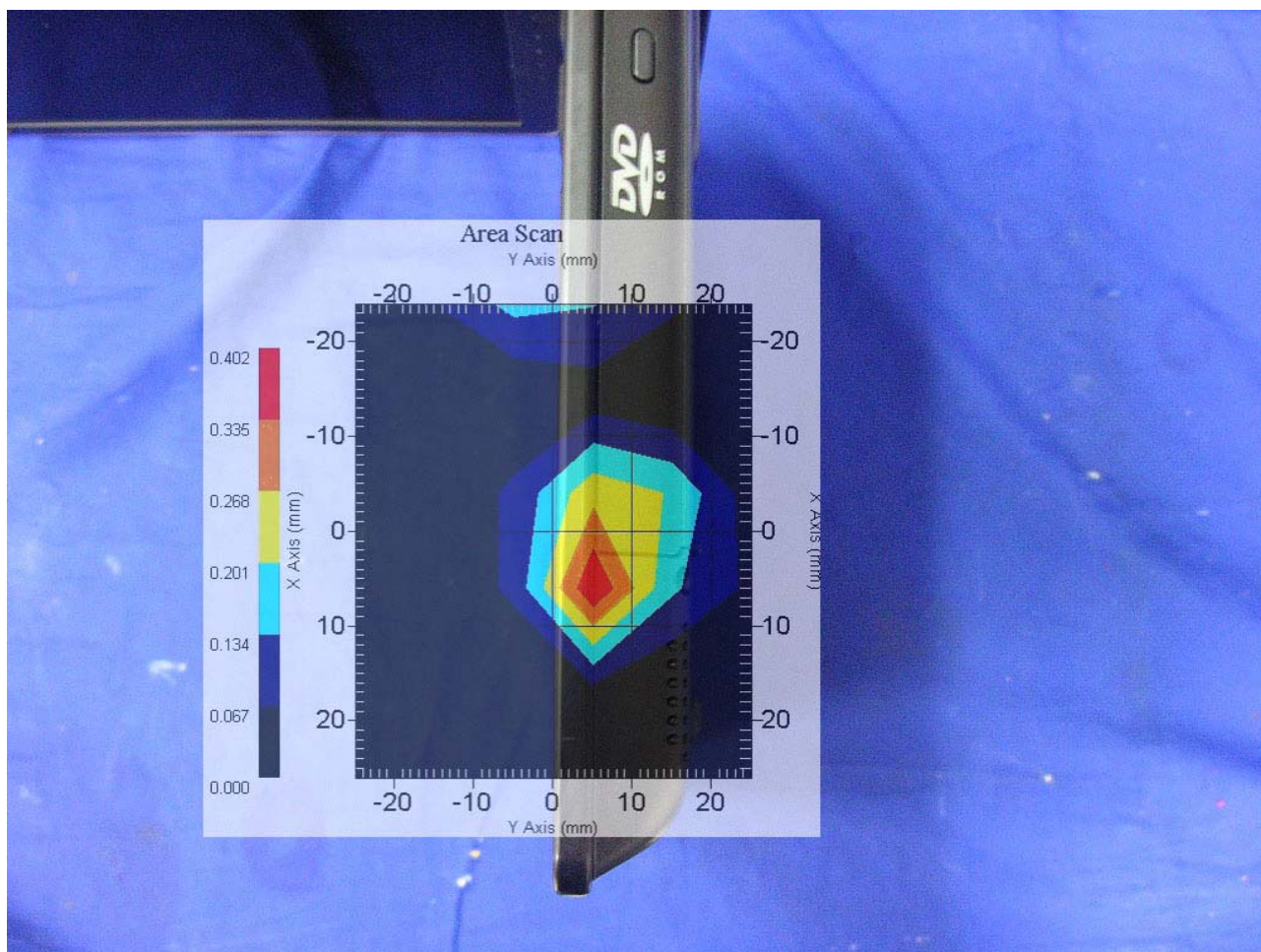
Tissue Temp. : 22.5°C
 Ambient Temp. : 23.4°C
 Area Scan : 7x6x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.113 W/kg
 Power Drift-Finish: 0.114 W/kg
 Power Drift (%) : 0.884
 Crest Factor : 1
 DUT Position : Touch EUT Right Side(Aux. Antenna)
 Frequency : 802.11b 2412MHz



1 gram SAR value : 0.206 W/kg
 10 gram SAR value : 0.067 W/kg
 Area Scan Peak SAR : 0.277 W/kg
 Zoom Scan Peak SAR : 0.510 W/kg

Measurement Data

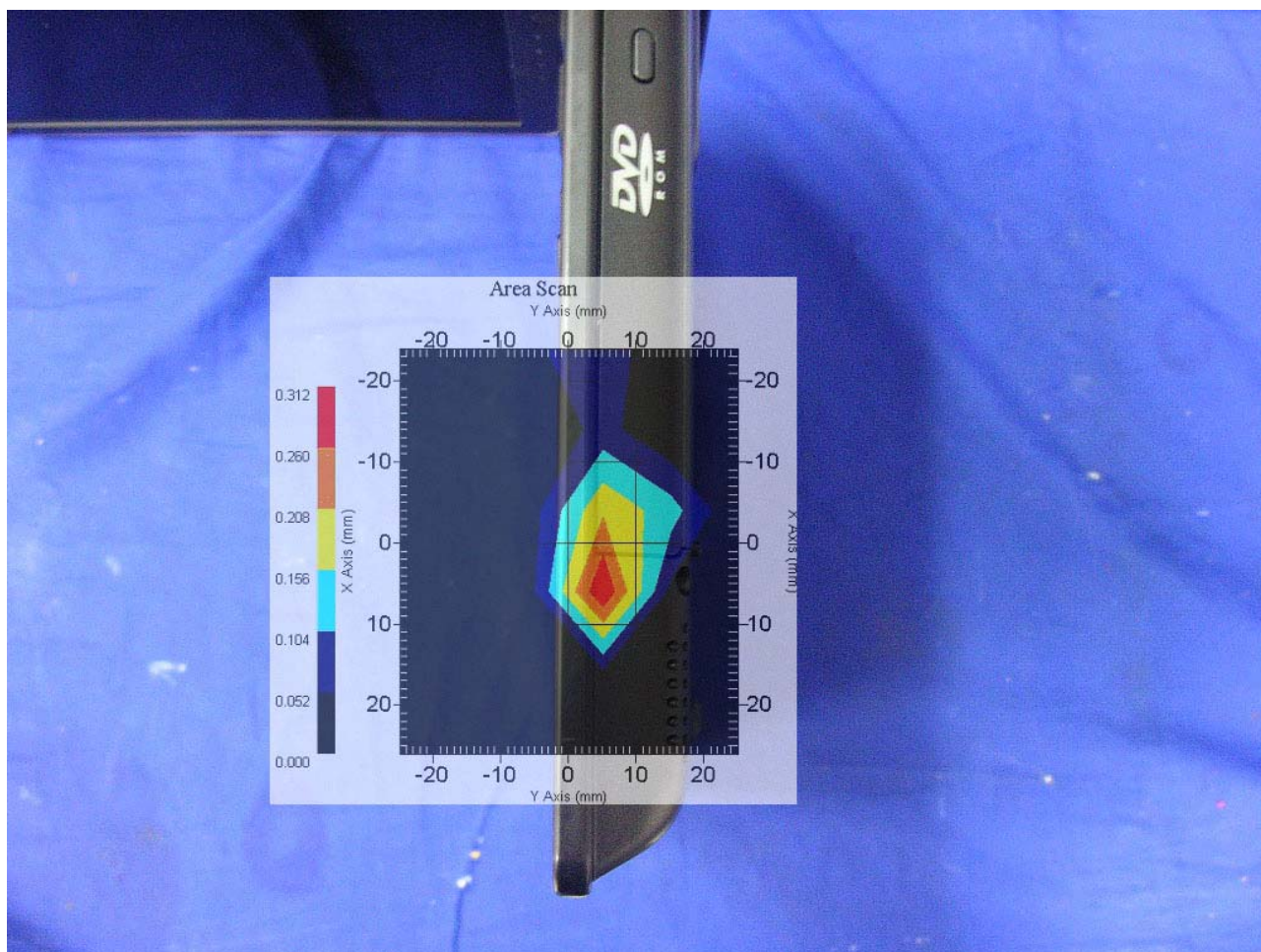
Tissue Temp. : 22.5°C
 Ambient Temp. : 23.4°C
 Area Scan : 7x6x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.123 W/kg
 Power Drift-Finish: 0.123 W/kg
 Power Drift (%) : 0.000
 Crest Factor : 1
 DUT Position : Touch EUT Right Side(Aux. Antenna)
 Frequency : 802.11b 2437MHz



1 gram SAR value : 0.294 W/kg
 10 gram SAR value : 0.096 W/kg
 Area Scan Peak SAR : 0.399 W/kg
 Zoom Scan Peak SAR : 0.700 W/kg

Measurement Data

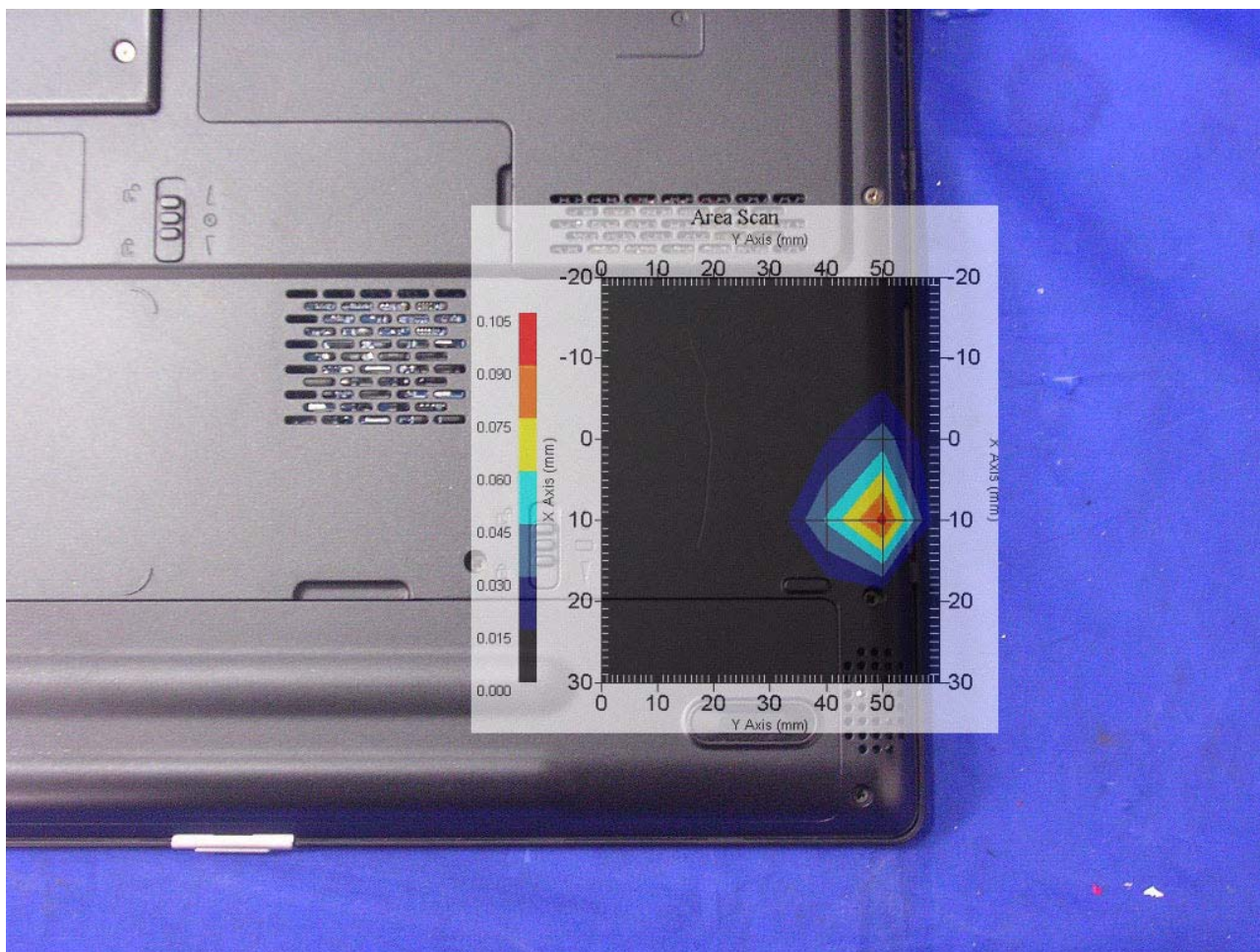
Tissue Temp. : 22.5°C
 Ambient Temp. : 23.4°C
 Area Scan : 7x6x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.102 W/kg
 Power Drift-Finish: 0.103 W/kg
 Power Drift (%) : 0.981
 Crest Factor : 1
 DUT Position : Touch EUT Right Side(Aux. Antenna)
 Frequency : 802.11b 2462MHz



1 gram SAR value : 0.216 W/kg
 10 gram SAR value : 0.054 W/kg
 Area Scan Peak SAR : 0.309 W/kg
 Zoom Scan Peak SAR : 0.650 W/kg

Measurement Data

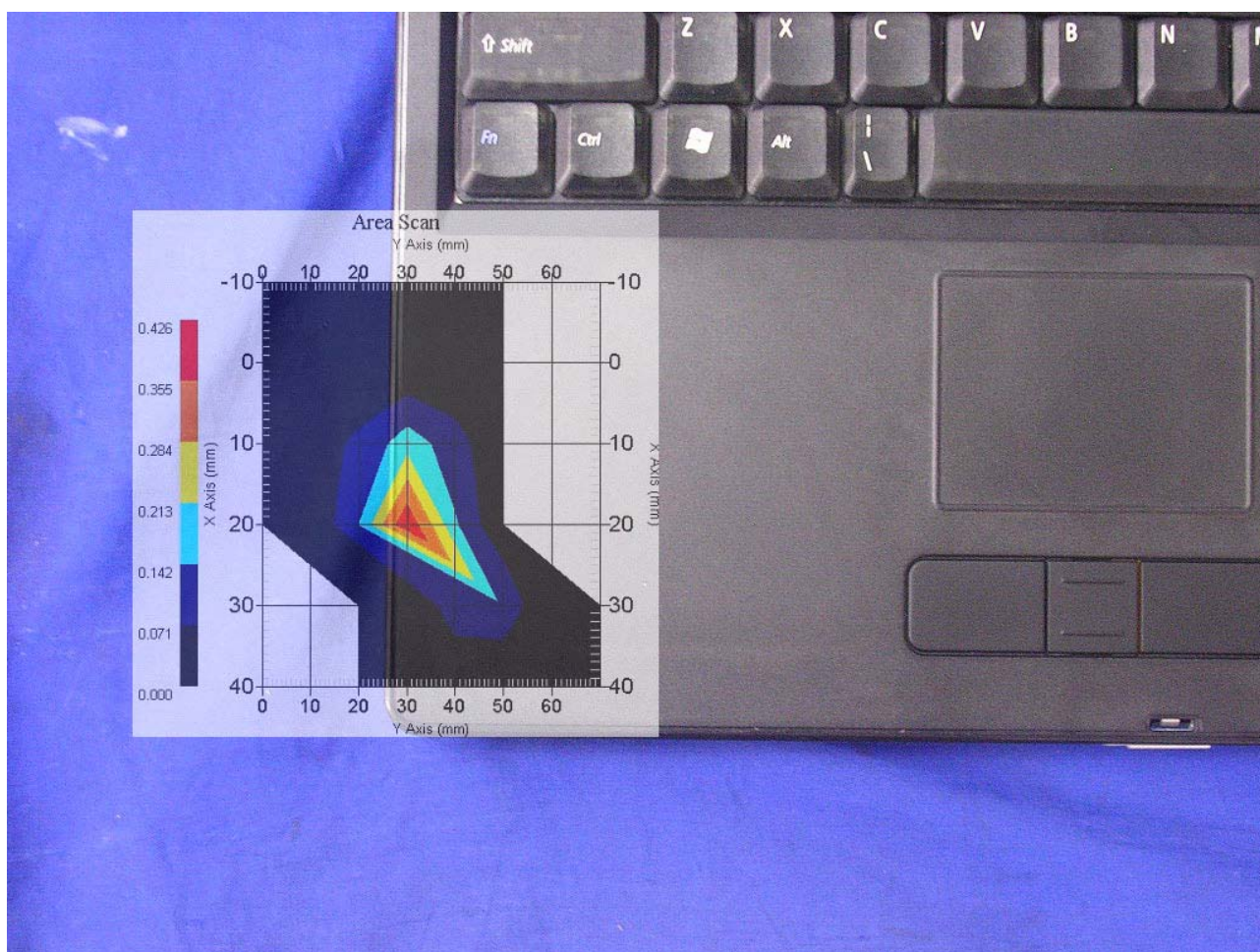
Tissue Temp. : 22.5°C
 Ambient Temp. : 23.4°C
 Area Scan : 6x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.010 W/kg
 Power Drift-Finish: 0.010 W/kg
 Power Drift (%) : 0.000
 Crest Factor : 1
 DUT Position : Touch EUT Back(Main Antenna)
 Frequency : 802.11b 2437MHz



1 gram SAR value : 0.042 W/kg
 10 gram SAR value : 0.008 W/kg
 Area Scan Peak SAR : 0.096 W/kg
 Zoom Scan Peak SAR : 0.200 W/kg

Measurement Data

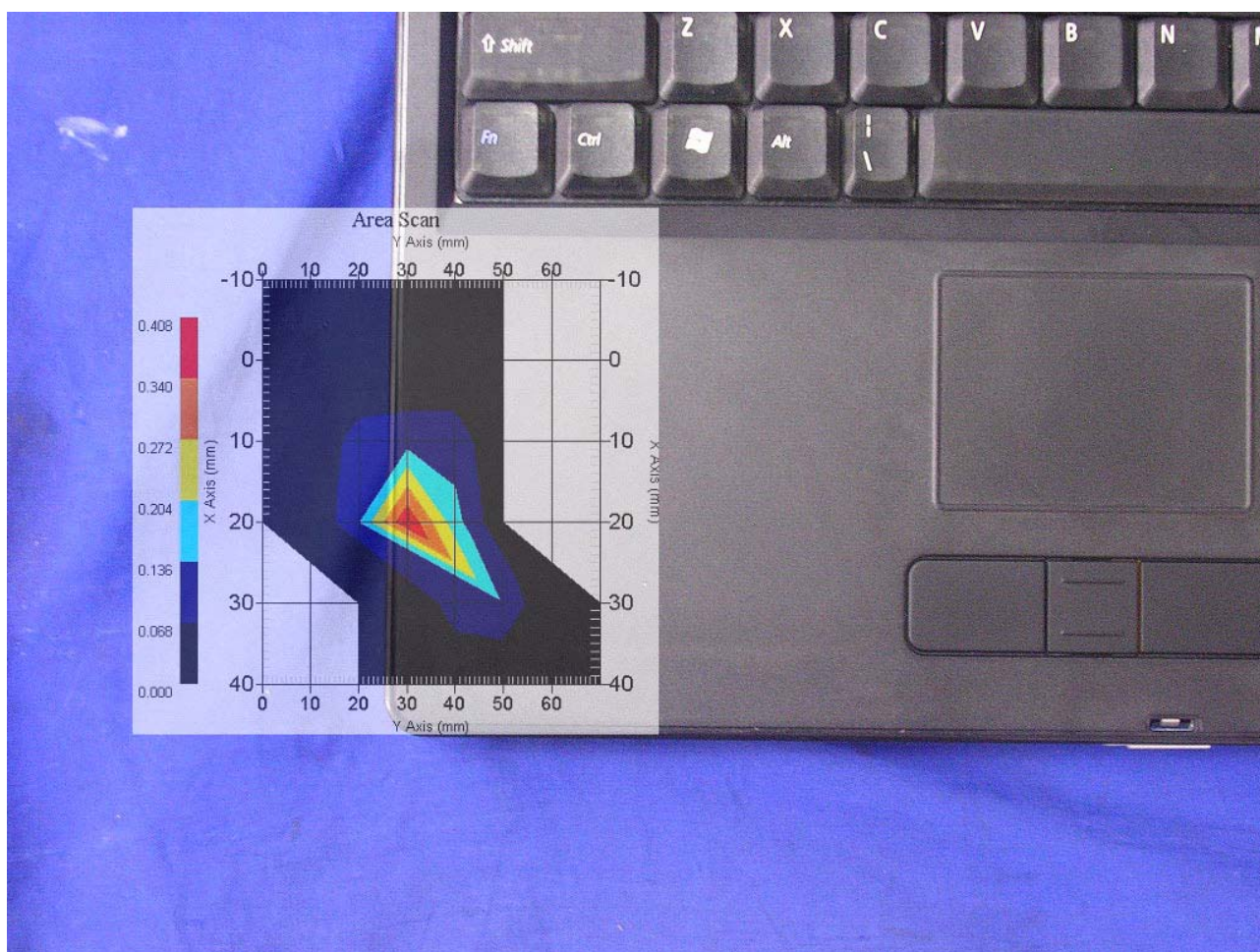
Tissue Temp. : 22.5°C
 Ambient Temp. : 23.4°C
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.010 W/kg
 Power Drift-Finish: 0.010 W/kg
 Power Drift (%) : 0.000
 Crest Factor : 1
 DUT Position : Touch EUT Left Front(Main Antenna)
 Frequency : 802.11g 2412MHz



1 gram SAR value : 0.297 W/kg
 10 gram SAR value : 0.097 W/kg
 Area Scan Peak SAR : 0.419 W/kg
 Zoom Scan Peak SAR : 0.720 W/kg

Measurement Data

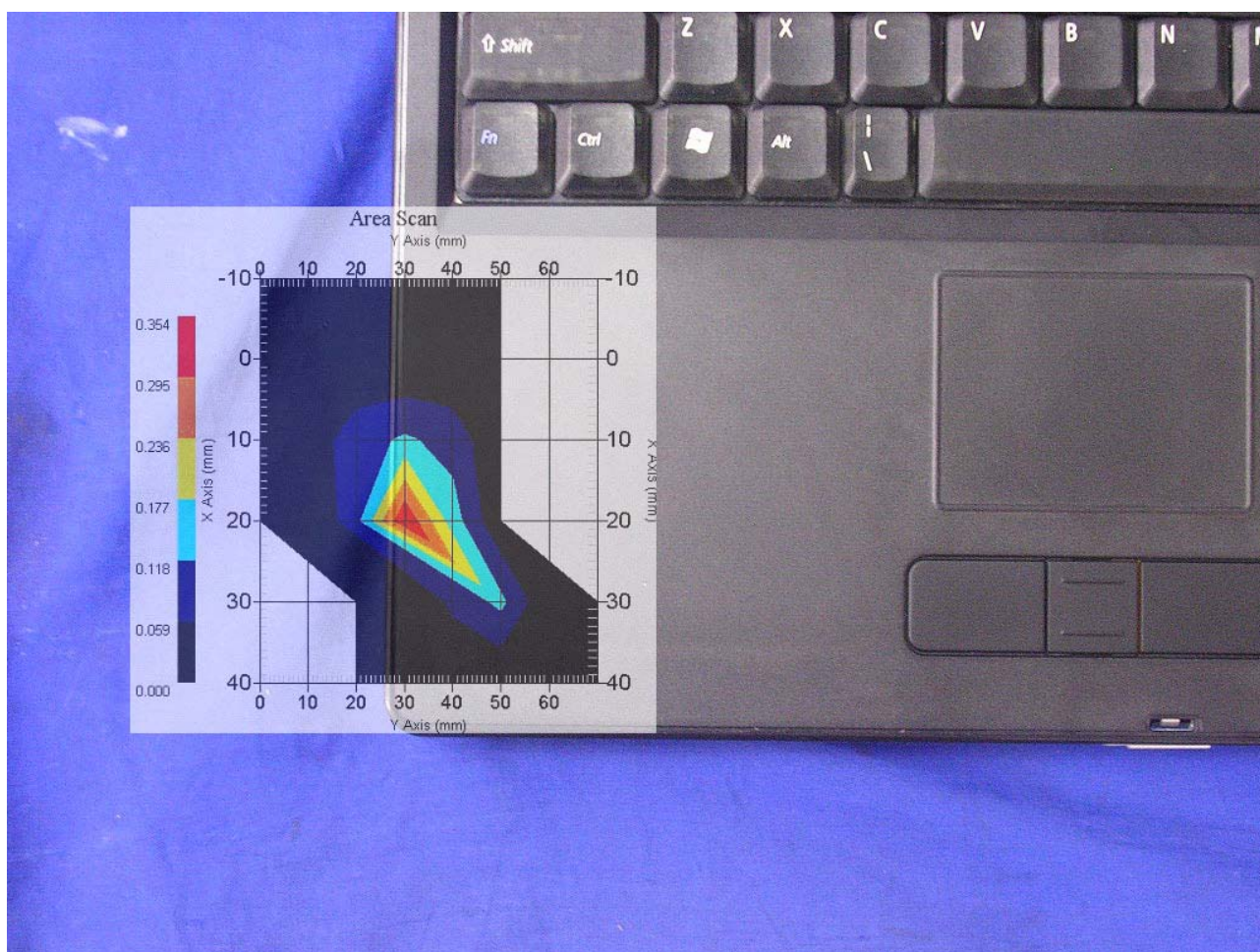
Tissue Temp. : 22.5°C
 Ambient Temp. : 23.4°C
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.010 W/kg
 Power Drift-Finish: 0.010 W/kg
 Power Drift (%) : 0.000
 Crest Factor : 1
 DUT Position : Touch EUT Left Front(Main Antenna)
 Frequency : 802.11g 2437MHz



1 gram SAR value : 0.305 W/kg
 10 gram SAR value : 0.095 W/kg
 Area Scan Peak SAR : 0.403 W/kg
 Zoom Scan Peak SAR : 0.850 W/kg

Measurement Data

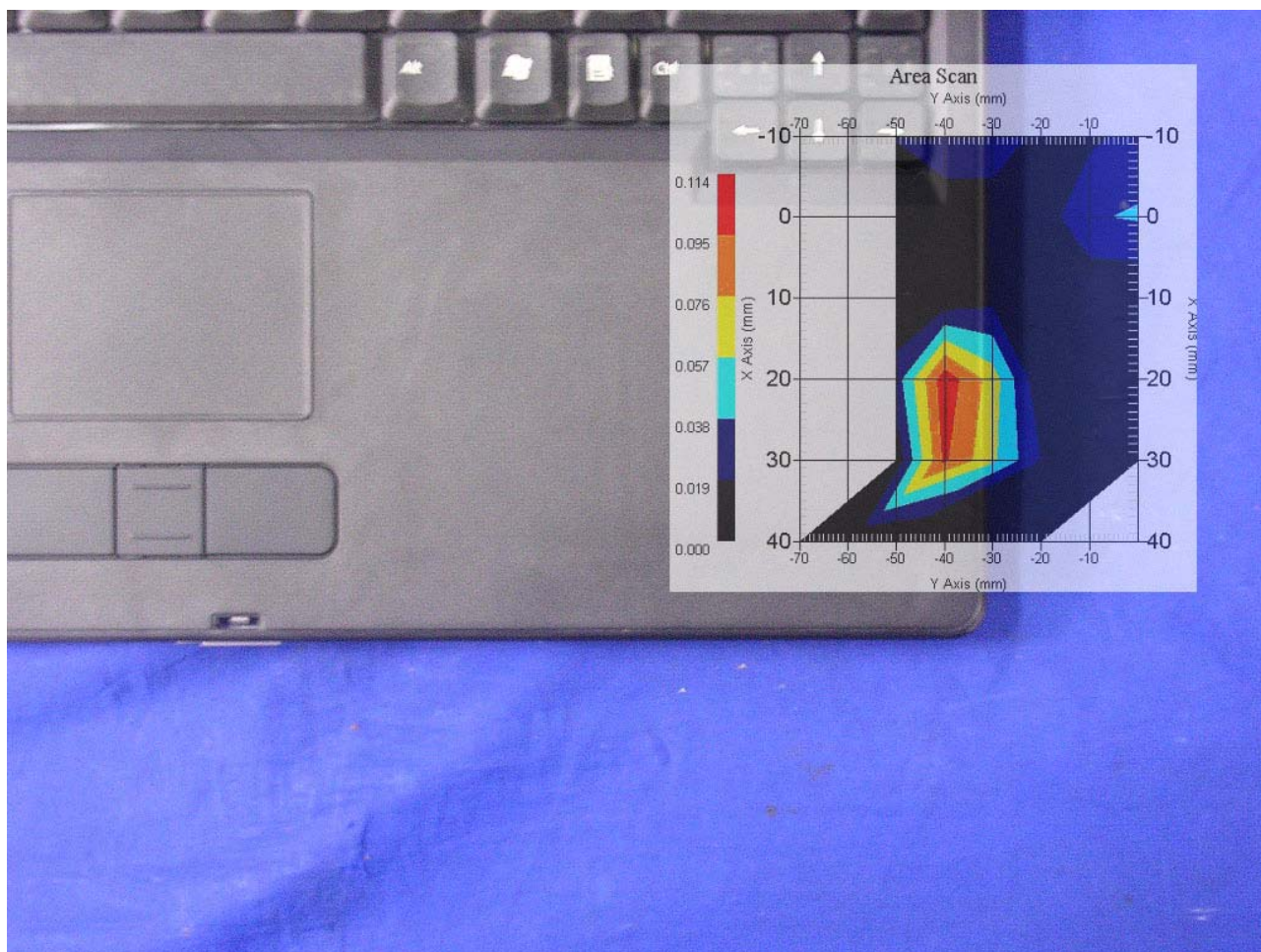
Tissue Temp. : 22.5°C
 Ambient Temp. : 23.4°C
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.010 W/kg
 Power Drift-Finish: 0.010 W/kg
 Power Drift (%) : 0.000
 Crest Factor : 1
 DUT Position : Touch EUT Left Front(Main Antenna)
 Frequency : 802.11g 2462MHz



1 gram SAR value : 0.310 W/kg
 10 gram SAR value : 0.090 W/kg
 Area Scan Peak SAR : 0.349 W/kg
 Zoom Scan Peak SAR : 0.960 W/kg

Measurement Data

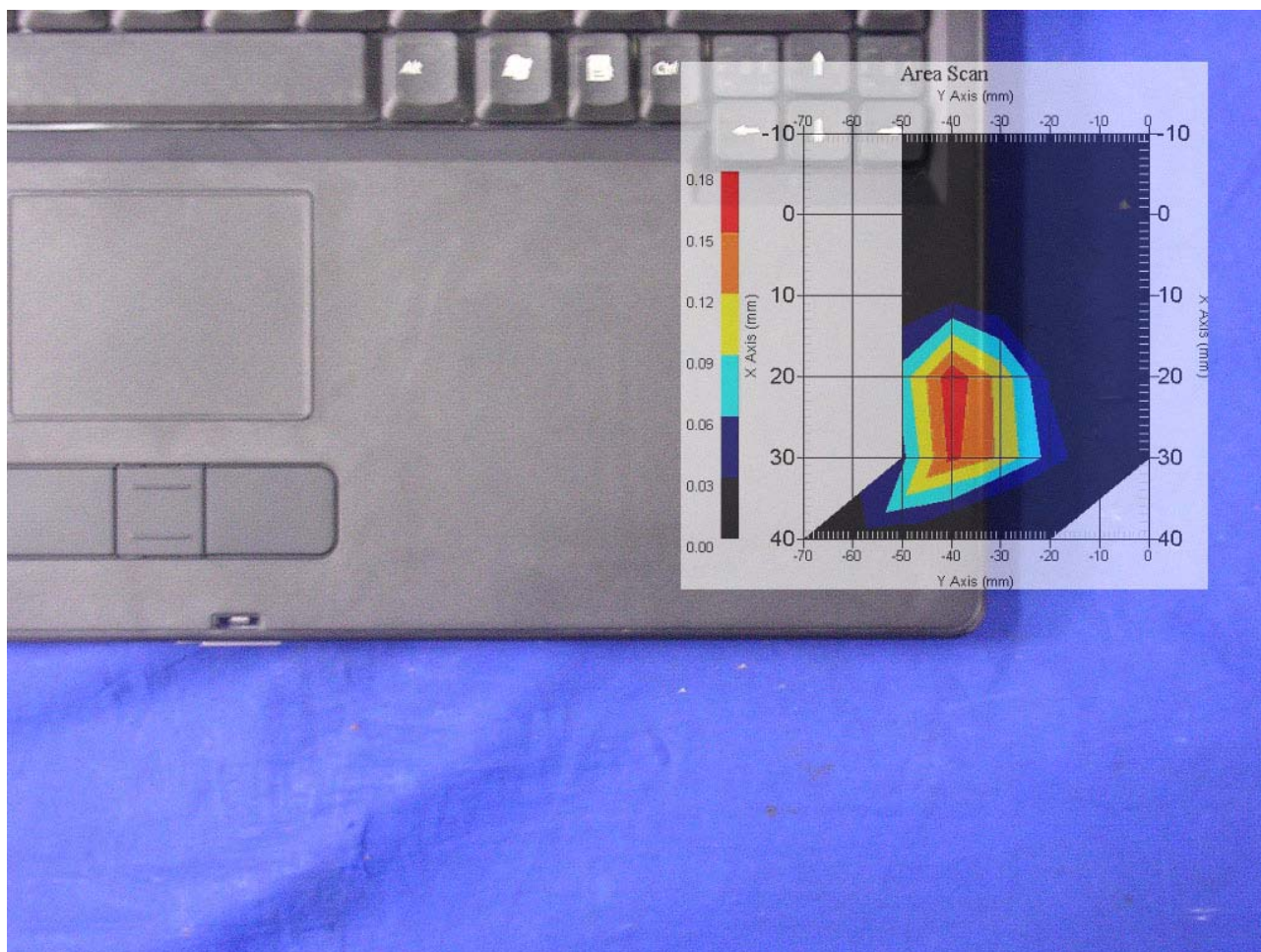
Tissue Temp. : 22.5°C
 Ambient Temp. : 23.4°C
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.010 W/kg
 Power Drift-Finish: 0.010 W/kg
 Power Drift (%) : 0.000
 Crest Factor : 1
 DUT Position : Touch EUT Right Front(Aux. Antenna)
 Frequency : 802.11g 2412MHz



1 gram SAR value : 0.183 W/kg
 10 gram SAR value : 0.092 W/kg
 Area Scan Peak SAR : 0.107 W/kg
 Zoom Scan Peak SAR : 0.350 W/kg

Measurement Data

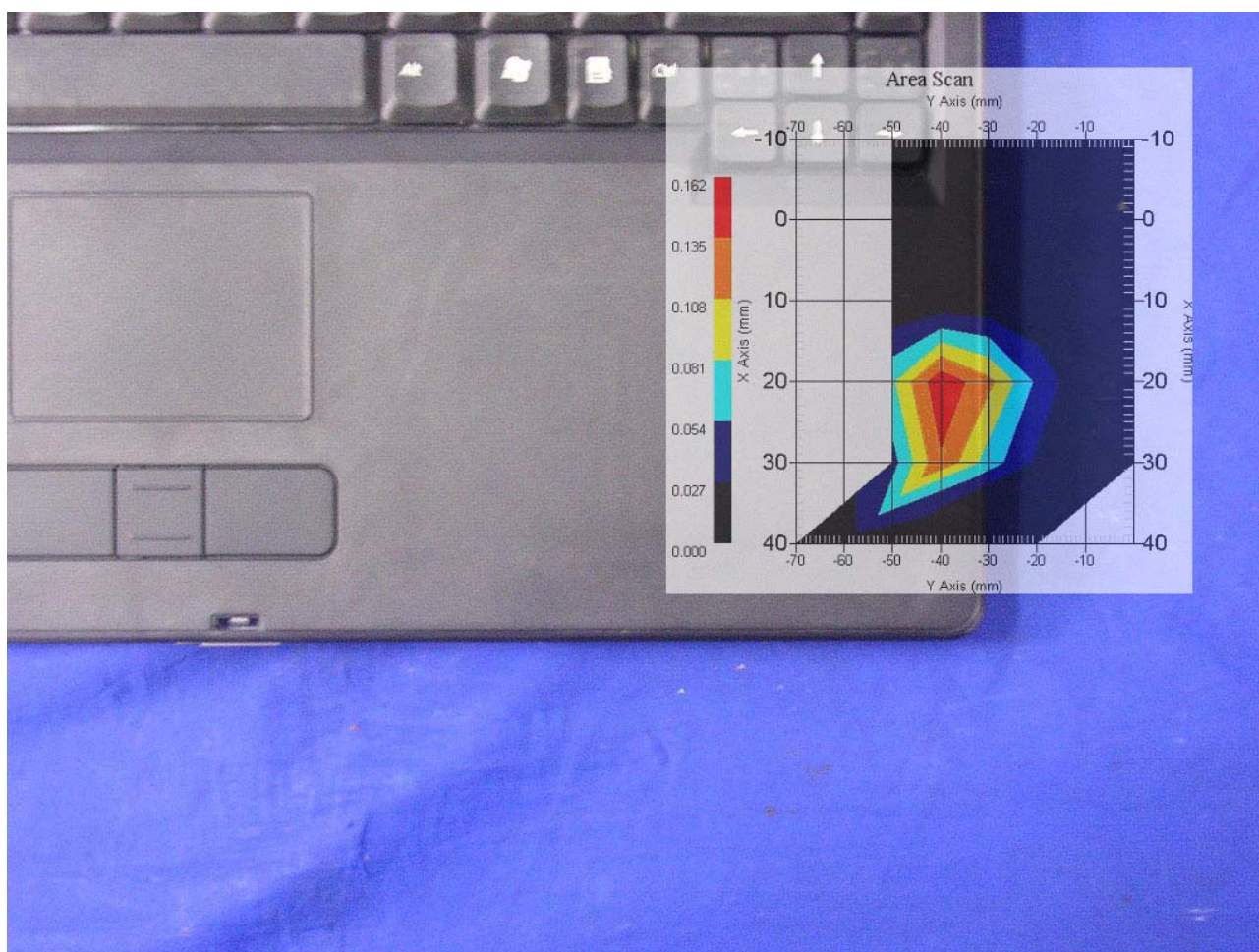
Tissue Temp. : 22.5°C
 Ambient Temp. : 23.4°C
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.010 W/kg
 Power Drift-Finish: 0.010 W/kg
 Power Drift (%) : 0.000
 Crest Factor : 1
 DUT Position : Touch EUT Right Front(Aux. Antenna)
 Frequency : 802.11g 2437MHz



1 gram SAR value : 0.177 W/kg
 10 gram SAR value : 0.065 W/kg
 Area Scan Peak SAR : 0.171 W/kg
 Zoom Scan Peak SAR : 0.440 W/kg

Measurement Data

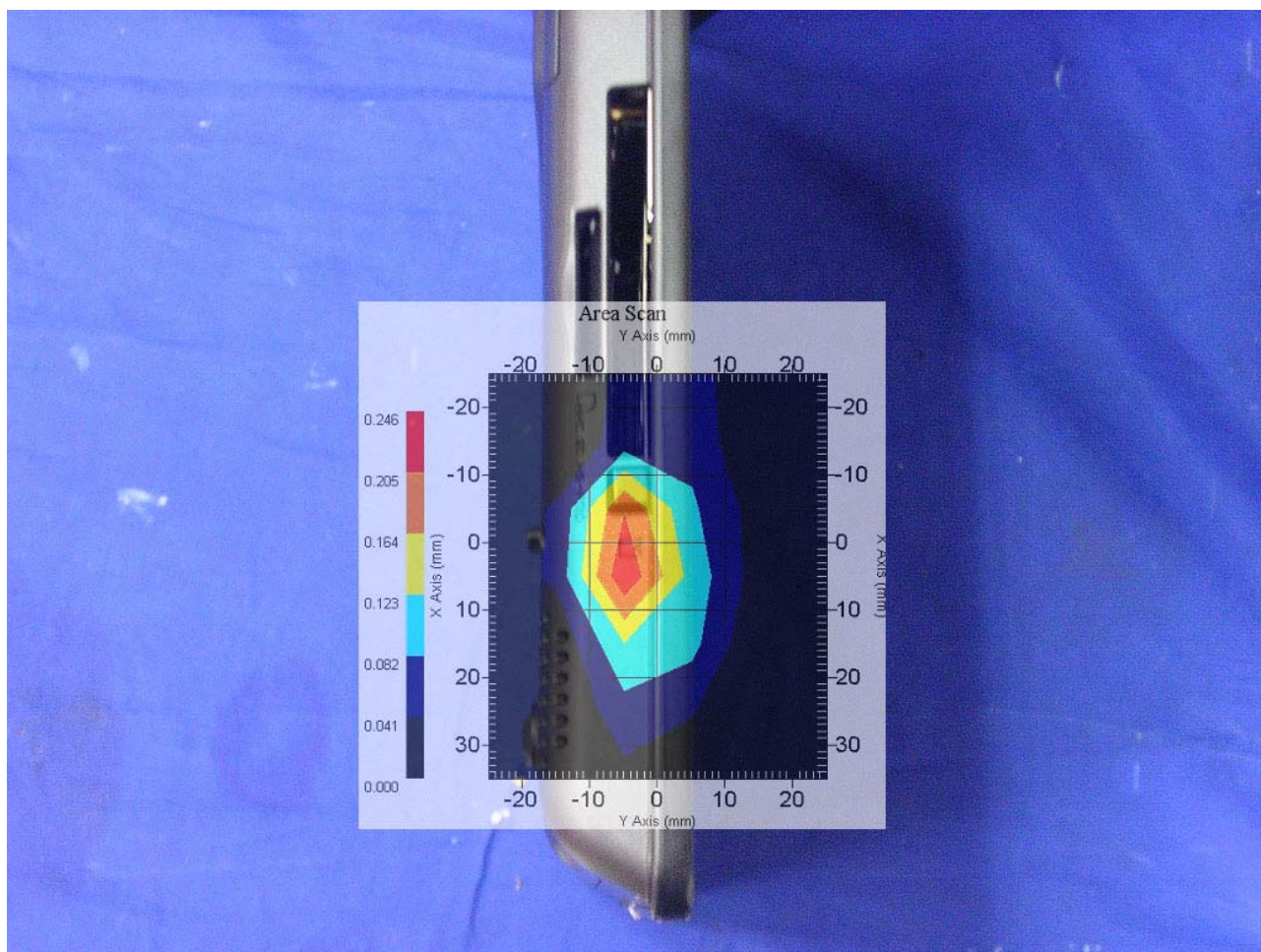
Tissue Temp. : 22.5°C
 Ambient Temp. : 23.4°C
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.010 W/kg
 Power Drift-Finish: 0.010 W/kg
 Power Drift (%) : 0.000
 Crest Factor : 1
 DUT Position : Touch EUT Right Front(Aux. Antenna)
 Frequency : 802.11g 2462MHz



1 gram SAR value : 0.119 W/kg
 10 gram SAR value : 0.034 W/kg
 Area Scan Peak SAR : 0.155 W/kg
 Zoom Scan Peak SAR : 0.370 W/kg

Measurement Data

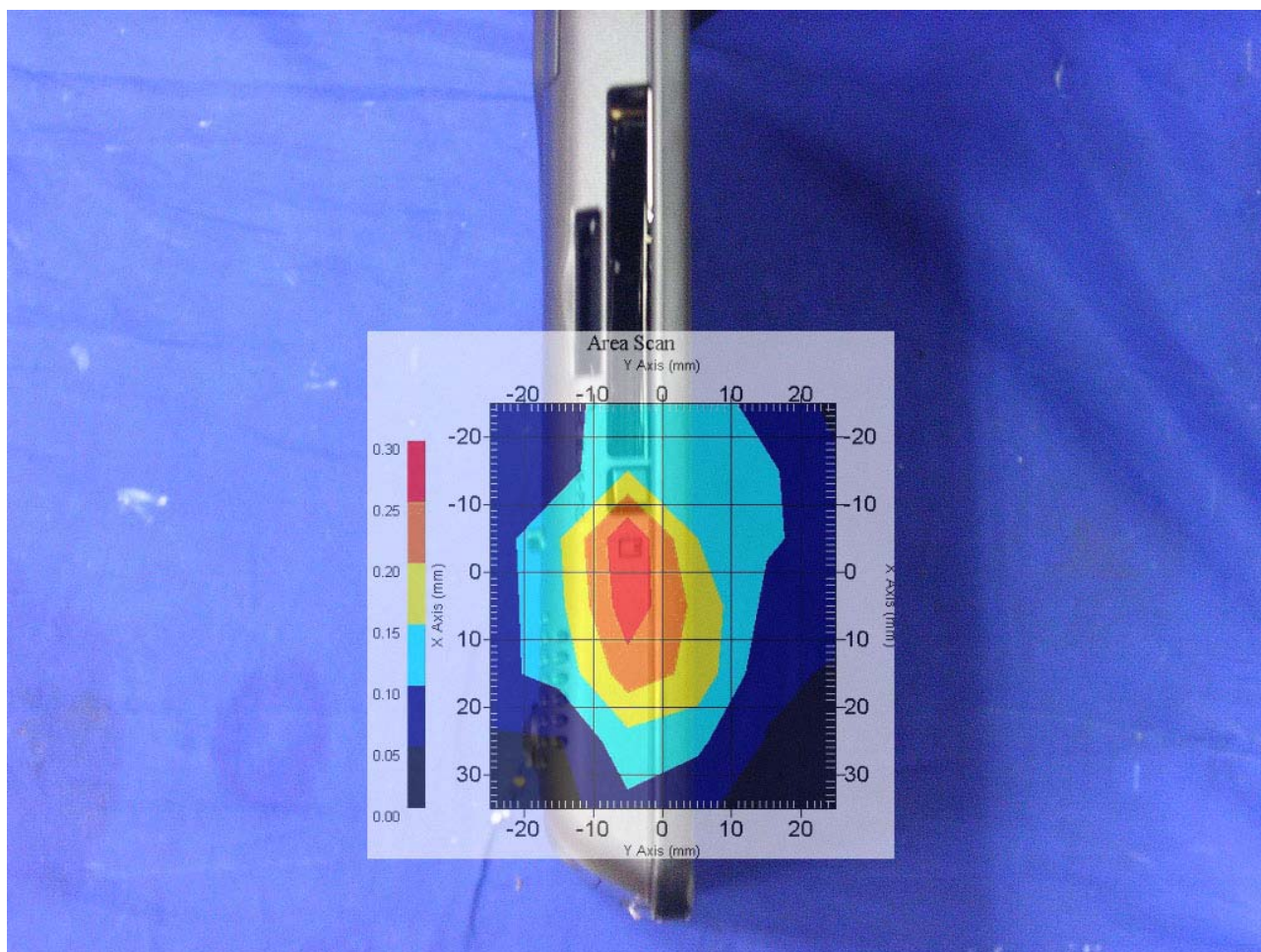
Tissue Temp. : 22.5°C
 Ambient Temp. : 23.4°C
 Area Scan : 7x6x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.138 W/kg
 Power Drift-Finish: 0.136 W/kg
 Power Drift (%) : -1.449
 Crest Factor : 1
 DUT Position : Touch EUT Left Side(Main Antenna)
 Frequency : 802.11g 2412MHz



1 gram SAR value : 0.203 W/kg
 10 gram SAR value : 0.071 W/kg
 Area Scan Peak SAR : 0.240 W/kg
 Zoom Scan Peak SAR : 0.500 W/kg

Measurement Data

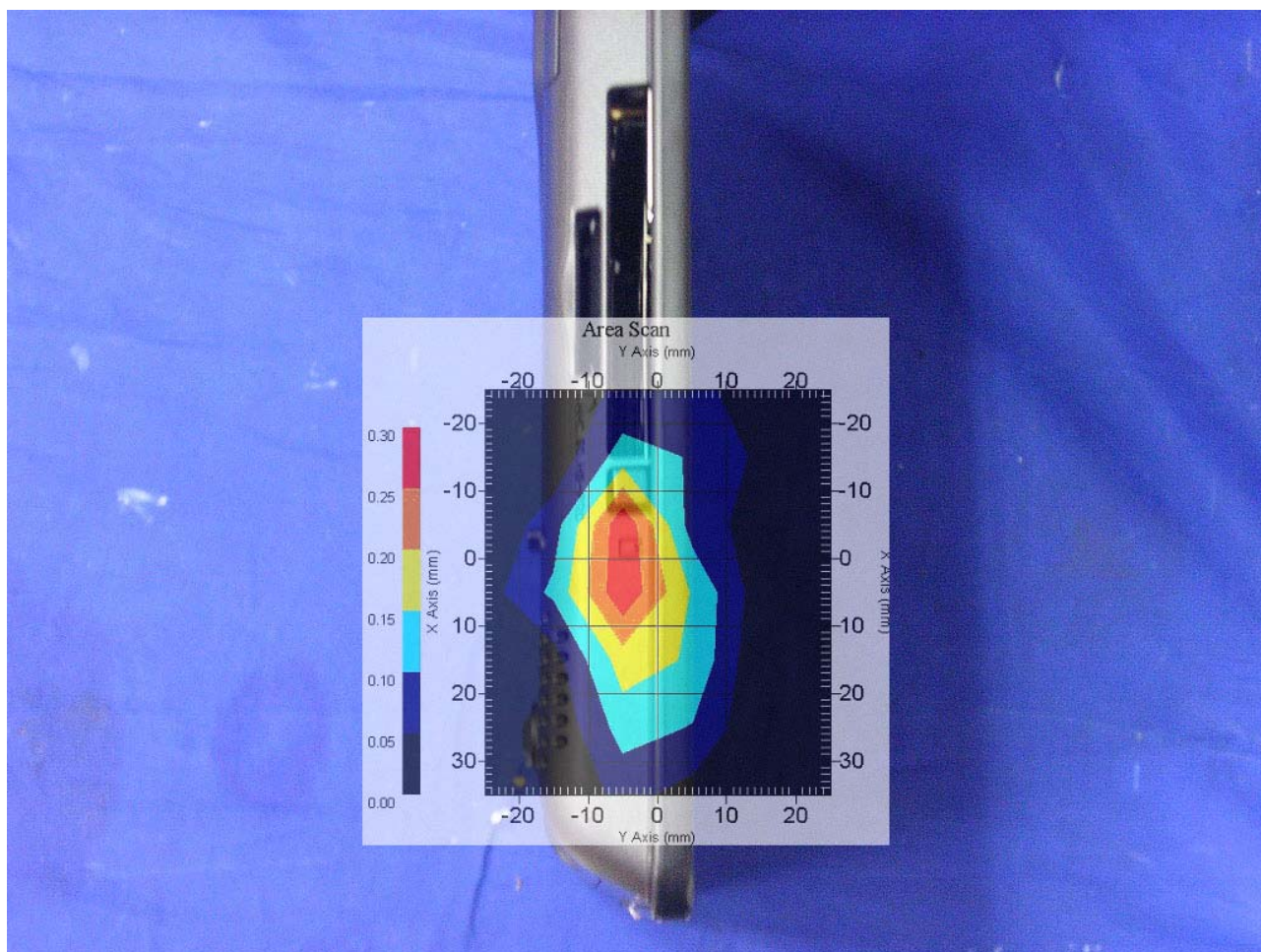
Tissue Temp. : 22.5°C
 Ambient Temp. : 23.4°C
 Area Scan : 7x6x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.123 W/kg
 Power Drift-Finish: 0.120 W/kg
 Power Drift (%) : -2.439
 Crest Factor : 1
 DUT Position : Touch EUT Left Side(Main Antenna)
 Frequency : 802.11g 2437MHz



1 gram SAR value : 0.263 W/kg
 10 gram SAR value : 0.145 W/kg
 Area Scan Peak SAR : 0.294 W/kg
 Zoom Scan Peak SAR : 0.480 W/kg

Measurement Data

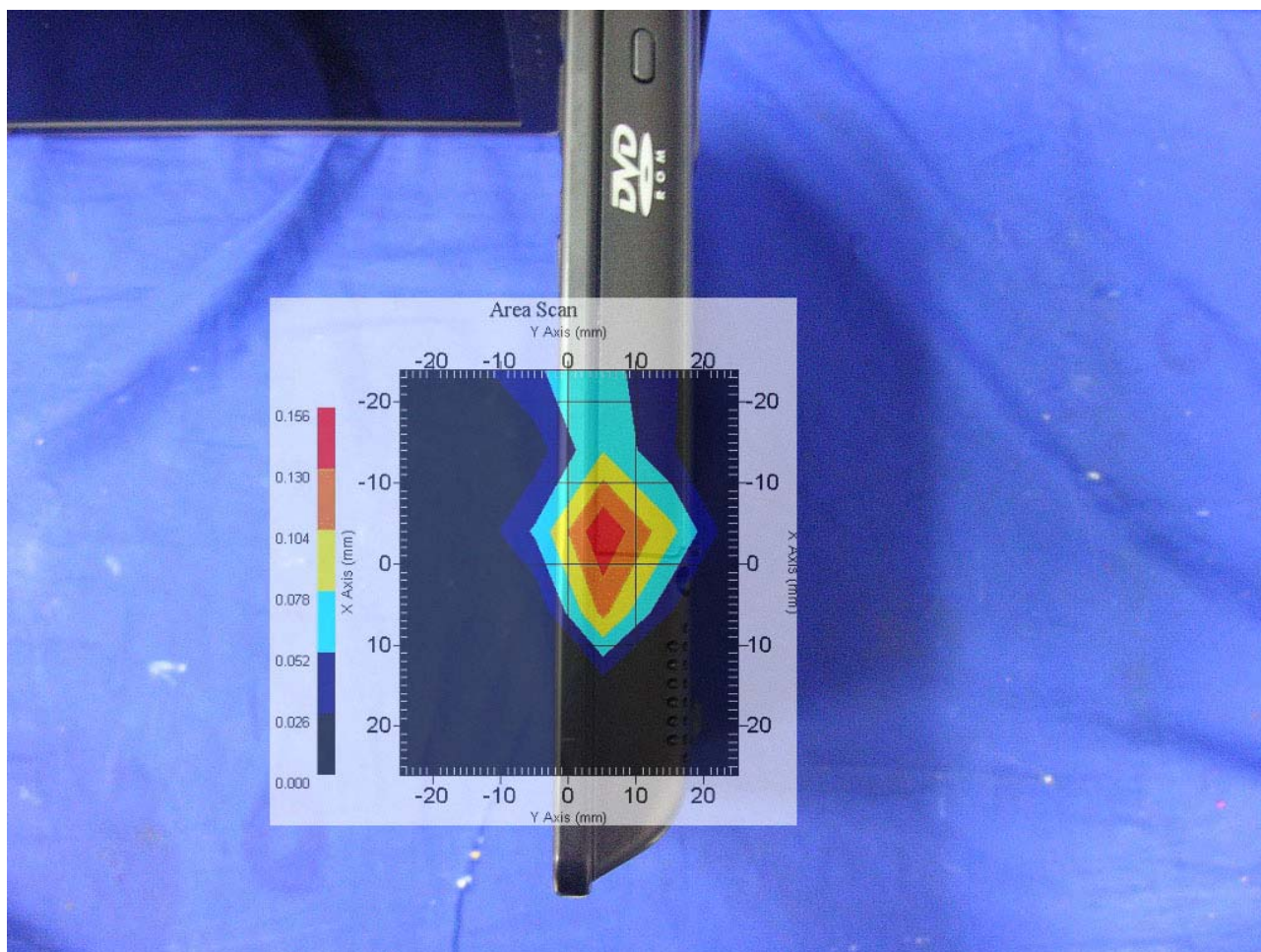
Tissue Temp. : 22.5°C
 Ambient Temp. : 23.4°C
 Area Scan : 7x6x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.103 W/kg
 Power Drift-Finish: 0.107 W/kg
 Power Drift (%) : 3.883
 Crest Factor : 1
 DUT Position : Touch EUT Left Side(Main Antenna)
 Frequency : 802.11g 2462MHz



1 gram SAR value : 0.283 W/kg
 10 gram SAR value : 0.127 W/kg
 Area Scan Peak SAR : 0.291 W/kg
 Zoom Scan Peak SAR : 0.590 W/kg

Measurement Data

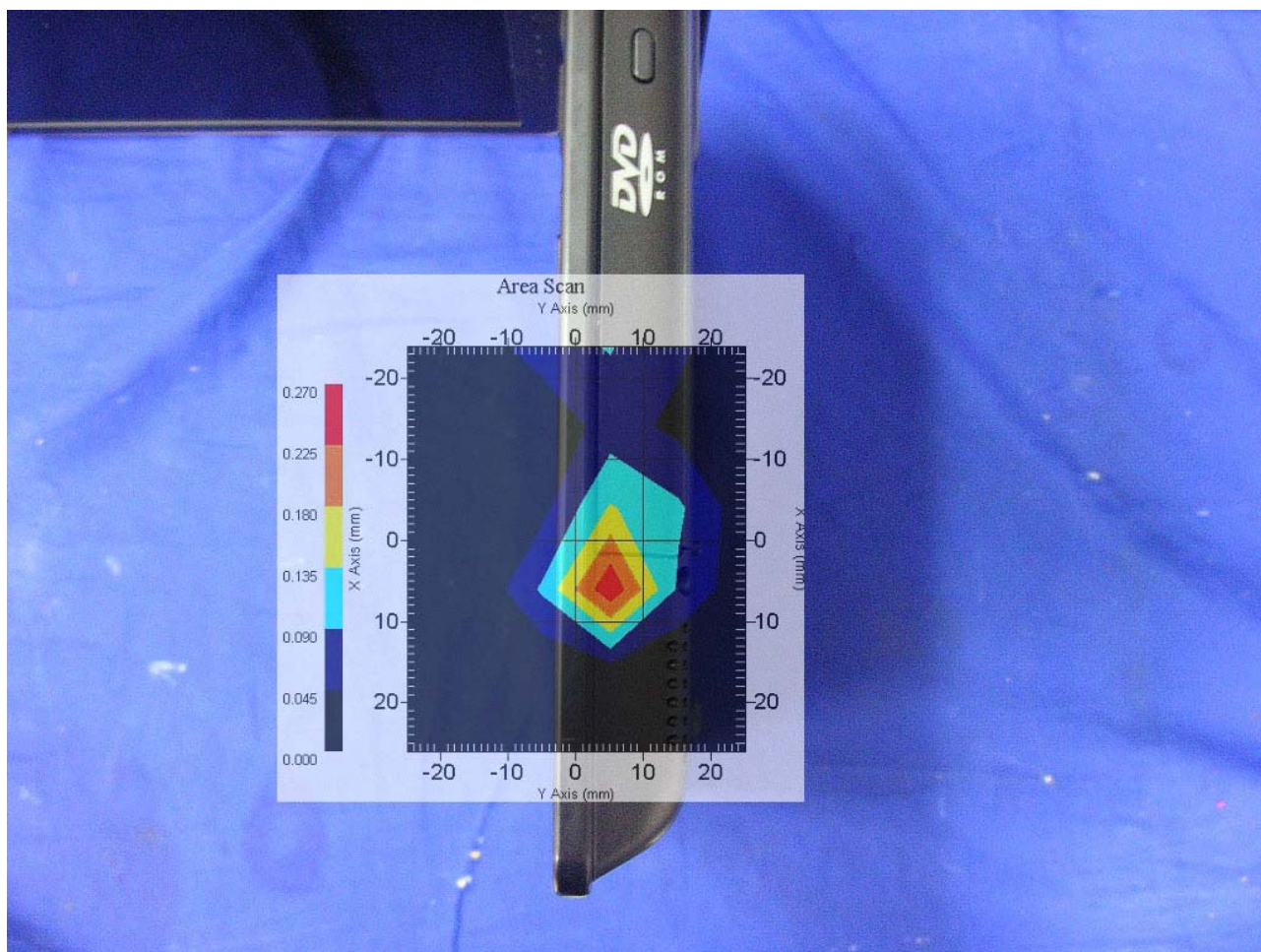
Tissue Temp. : 22.5°C
 Ambient Temp. : 23.4°C
 Area Scan : 7x6x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.083 W/kg
 Power Drift-Finish: 0.081 W/kg
 Power Drift (%) : -2.408
 Crest Factor : 1
 DUT Position : Touch EUT Right Side(Aux. Antenna)
 Frequency : 802.11g 2412MHz



1 gram SAR value : 0.212 W/kg
 10 gram SAR value : 0.072 W/kg
 Area Scan Peak SAR : 0.153 W/kg
 Zoom Scan Peak SAR : 0.480 W/kg

Measurement Data

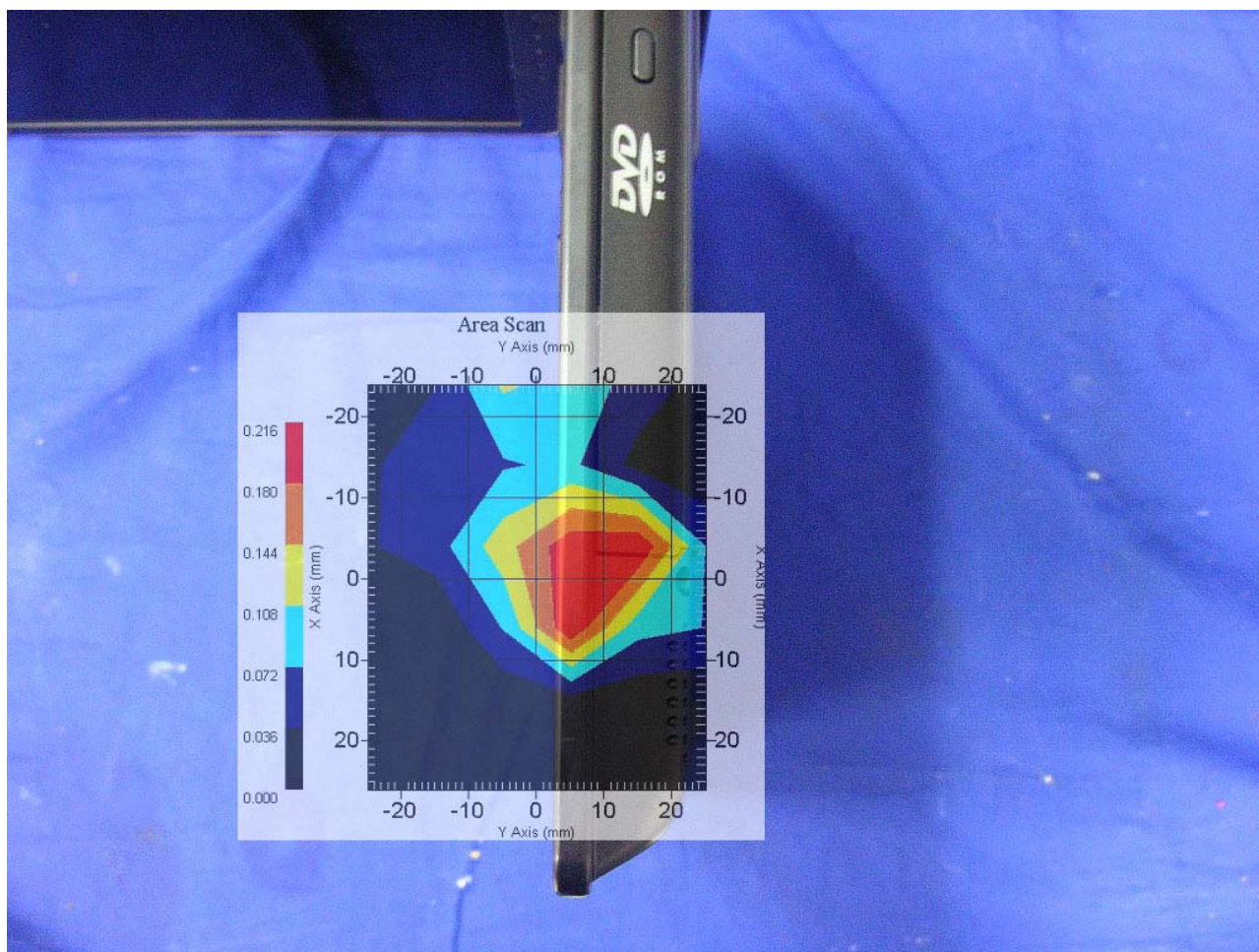
Tissue Temp. : 22.5°C
 Ambient Temp. : 23.4°C
 Area Scan : 7x6x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.079 W/kg
 Power Drift-Finish: 0.081 W/kg
 Power Drift (%) : 2.531
 Crest Factor : 1
 DUT Position : Touch EUT Right Side(Aux. Antenna)
 Frequency : 802.11g 2437MHz



1 gram SAR value : 0.145 W/kg
 10 gram SAR value : 0.039 W/kg
 Area Scan Peak SAR : 0.264 W/kg
 Zoom Scan Peak SAR : 0.430 W/kg

Measurement Data

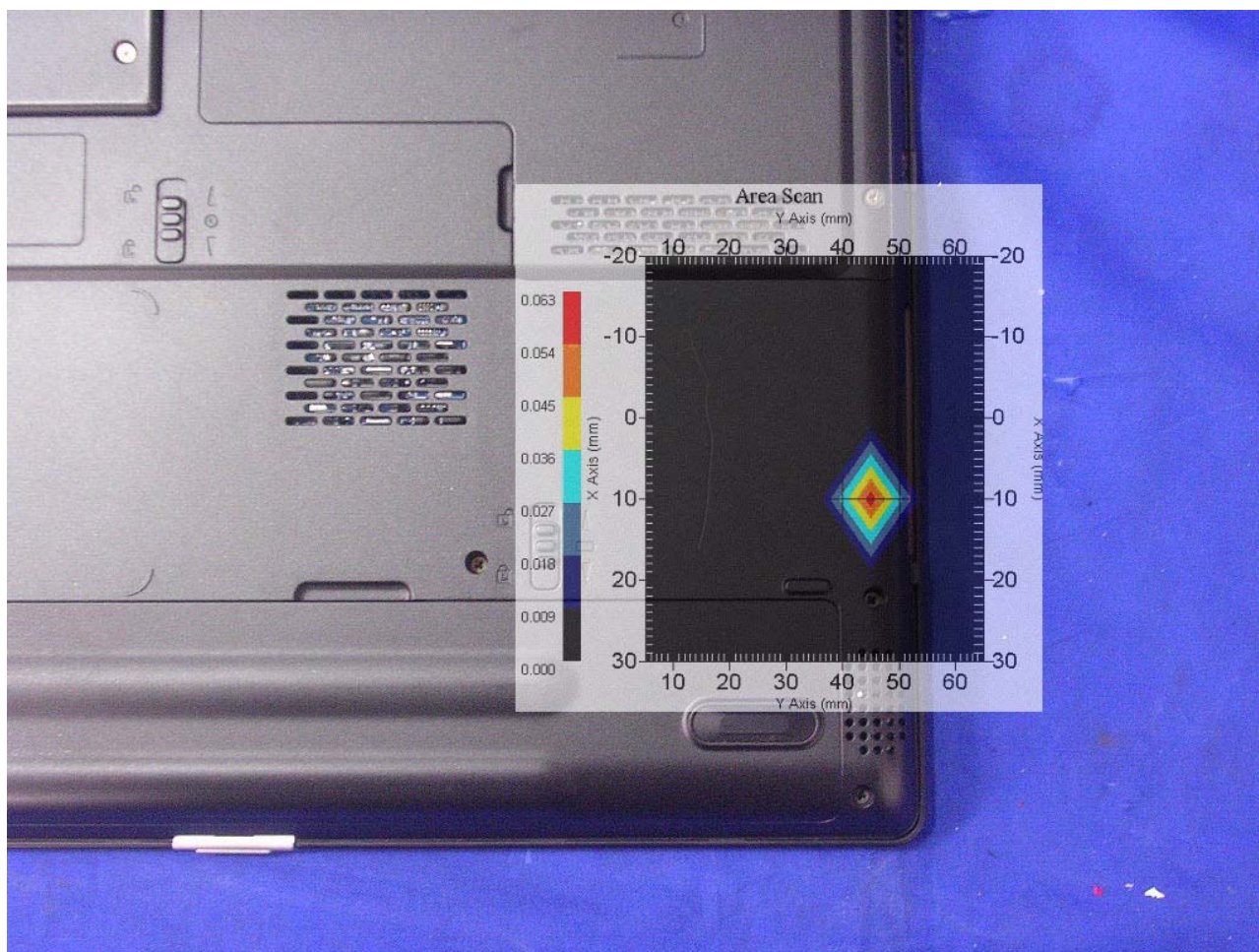
Tissue Temp. : 22.5°C
 Ambient Temp. : 23.4°C
 Area Scan : 7x6x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.082 W/kg
 Power Drift-Finish: 0.079 W/kg
 Power Drift (%) : -3.659
 Crest Factor : 1
 DUT Position : Touch EUT Right Side(Aux. Antenna)
 Frequency : 802.11g 2462MHz



1 gram SAR value : 0.114 W/kg
 10 gram SAR value : 0.046 W/kg
 Area Scan Peak SAR : 0.213 W/kg
 Zoom Scan Peak SAR : 0.310 W/kg

Measurement Data

Tissue Temp. : 22.5°C
 Ambient Temp. : 23.4°C
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.010 W/kg
 Power Drift-Finish: 0.010 W/kg
 Power Drift (%) : 0.000
 Crest Factor : 1
 DUT Position : Touch EUT Back(Main Antenna)
 Frequency : 802.11g 2437MHz



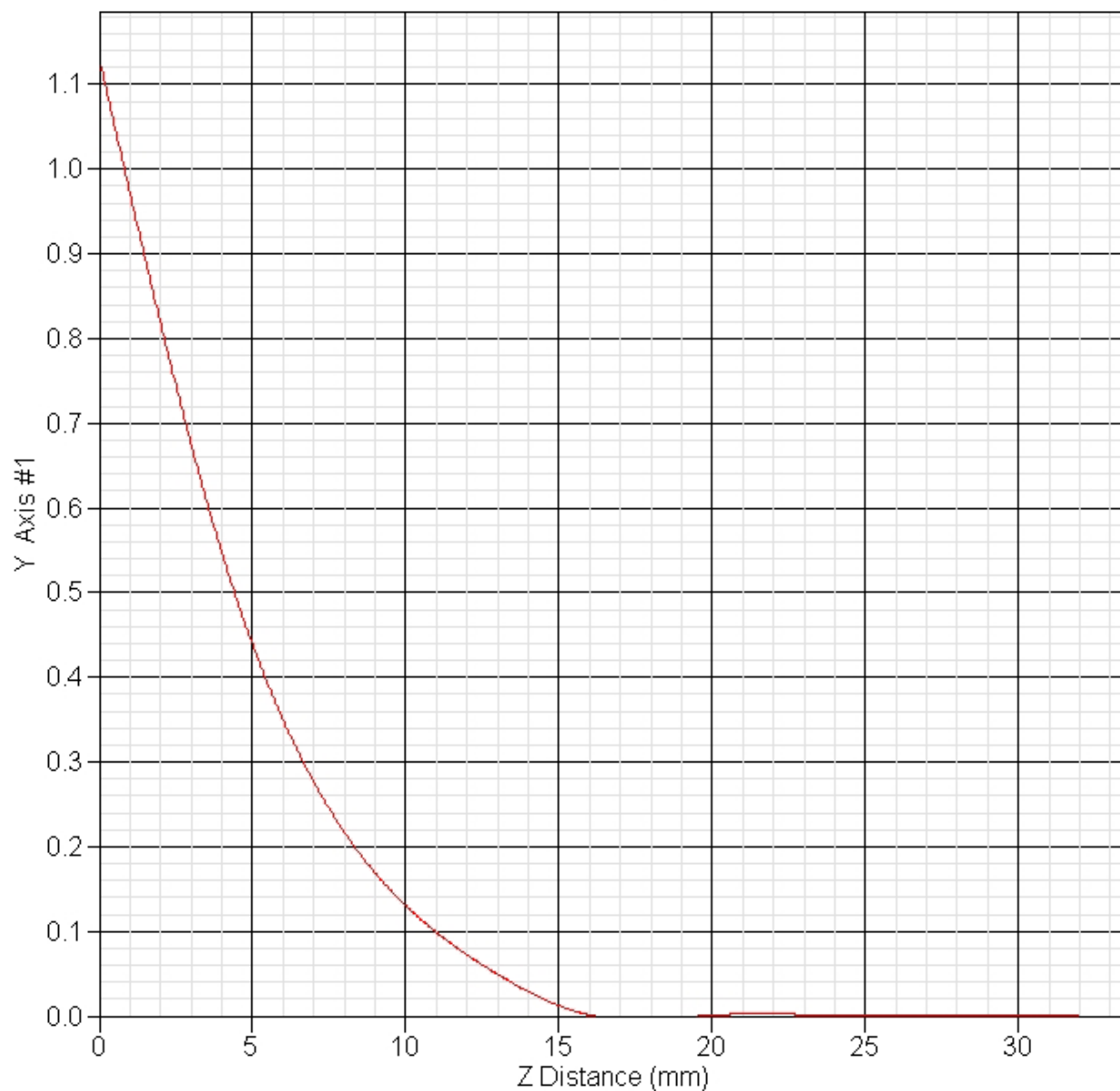
1 gram SAR value : 0.004 W/kg
 10 gram SAR value : 0.001 W/kg
 Area Scan Peak SAR : 0.059 W/kg
 Zoom Scan Peak SAR : 0.010 W/kg

EUT Left Front (Main Antenna) Z-Axis plot

Frequency : 802.11b 2437MHz

SAR-Z Axis

at Hotspot x:20.00 y:49.90

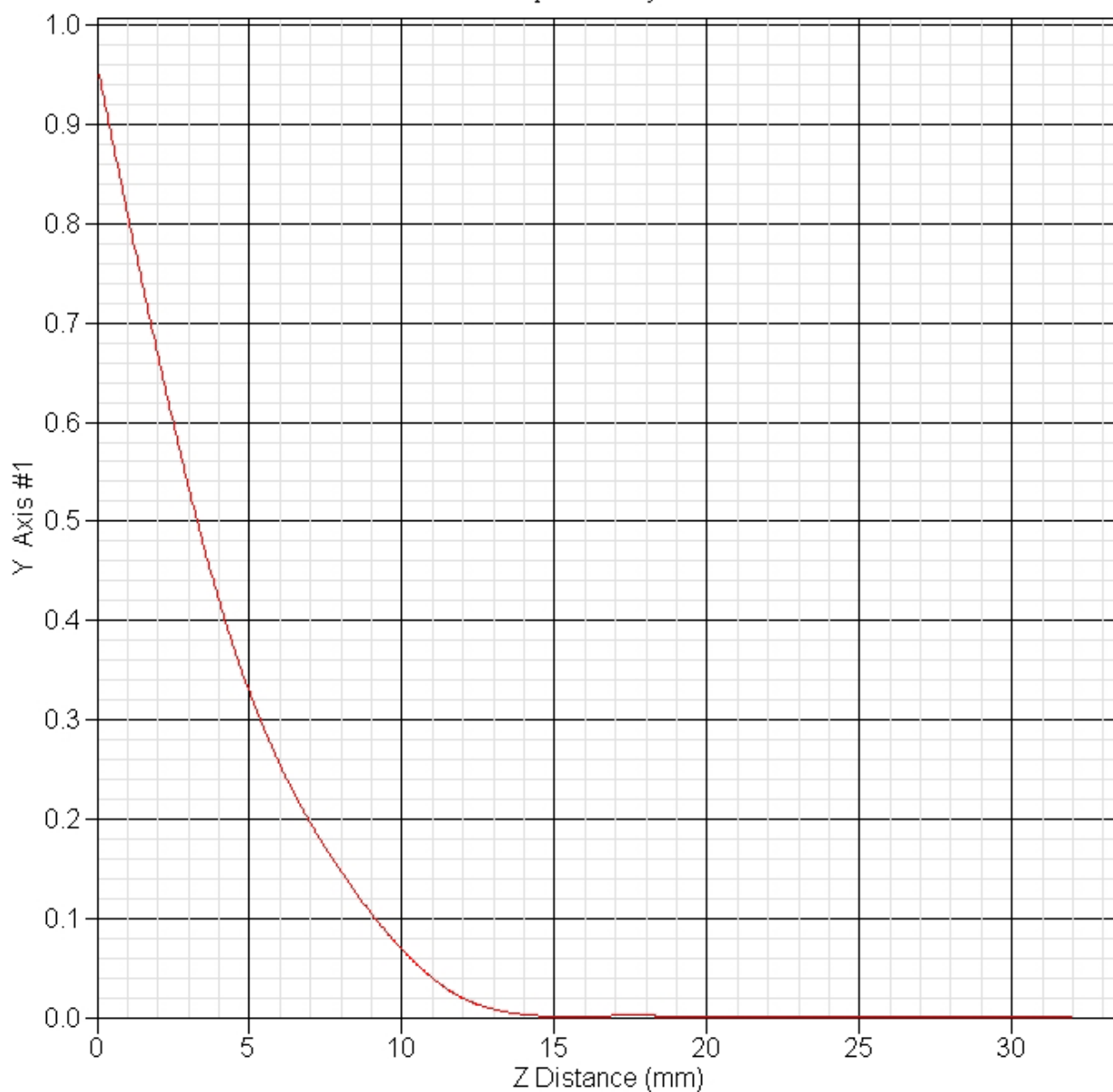


EUT Left Front (Main Antenna) Z-Axis plot

Frequency : 802.11g 2462MHz

SAR-Z Axis

at Hotspot x:20.00 y:49.90



SAR 5.2GHz Measurement Data

ALSAS-10U VER 2.1.0APREL Laboratories

SAR Test Report

Validation Date : 20-Jun-2005

Measurement Date : 20-Jun-2005

Product Data

Device Name : ASUS Notebook
Model : Z61A Z61Ae
Frequency : 5200MHz
Drift Time : 0 min(s)
Length : 249 mm
Width : 222 mm
Depth : 25 mm
Antenna Type : Internal

Phantom Data

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

Tissue Data

Type : BODY
Serial No. : 326-B
Frequency : 5200 MHz
Last Calib. Date : 20-Jun-2005
Temperature : 20.6 °C
Ambient Temp. : 21.2 °C
Humidity : 51 RH%
Epsilon : 47.48 F/m
Sigma : 5.181 S/m
Density : 1000 kg/cu. m

Probe Data

Model : E020
Type : E-Field Triangle
Serial No. : 265
Last Calib. Date : 23-Mar-2005
Frequency : 5200 MHz
Duty Cycle Factor: 1
Conversion Factor: 4.3
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$
Compression Point: 95 mV
Offset : 1.56 mm