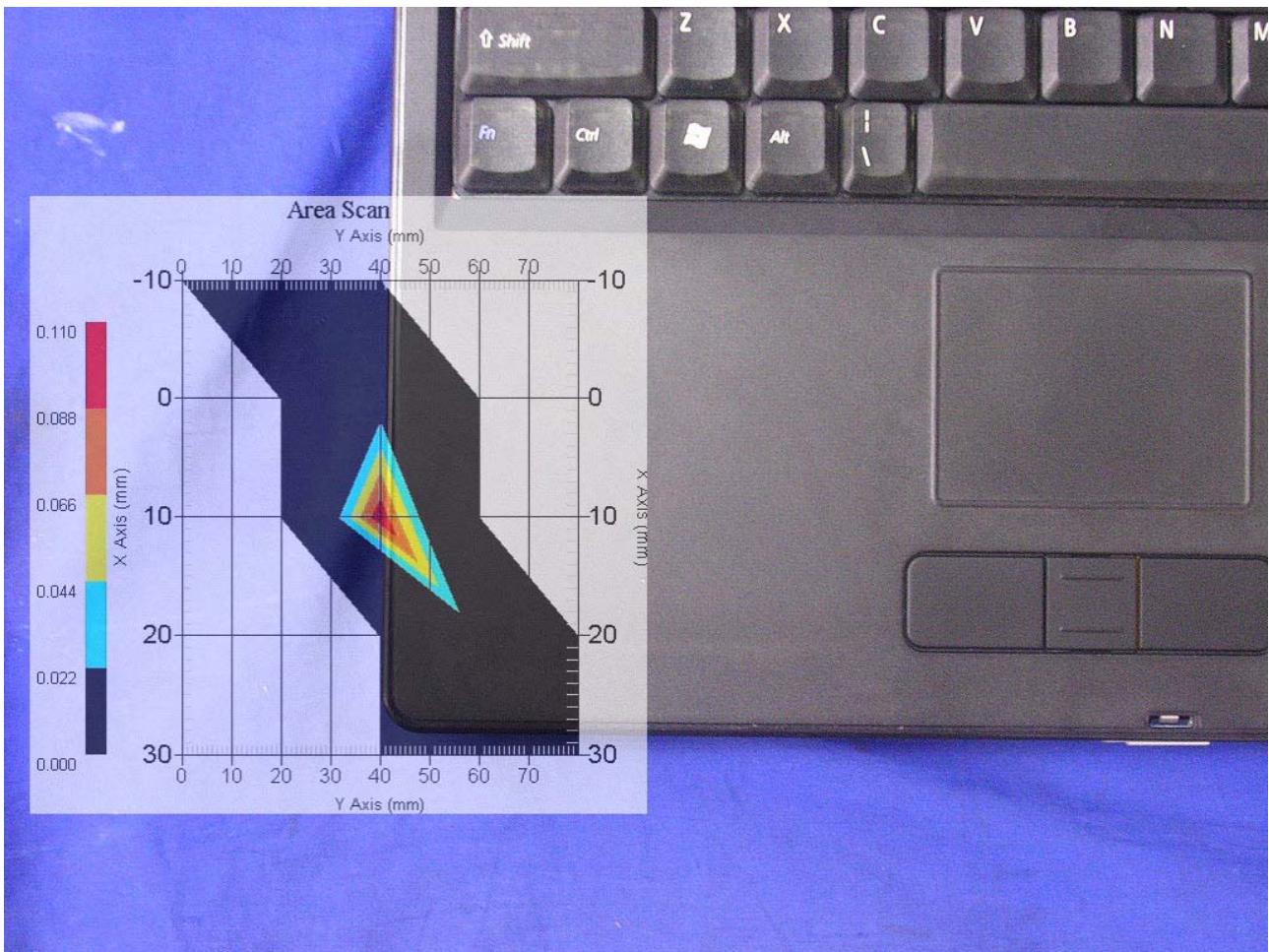


Measurement Data

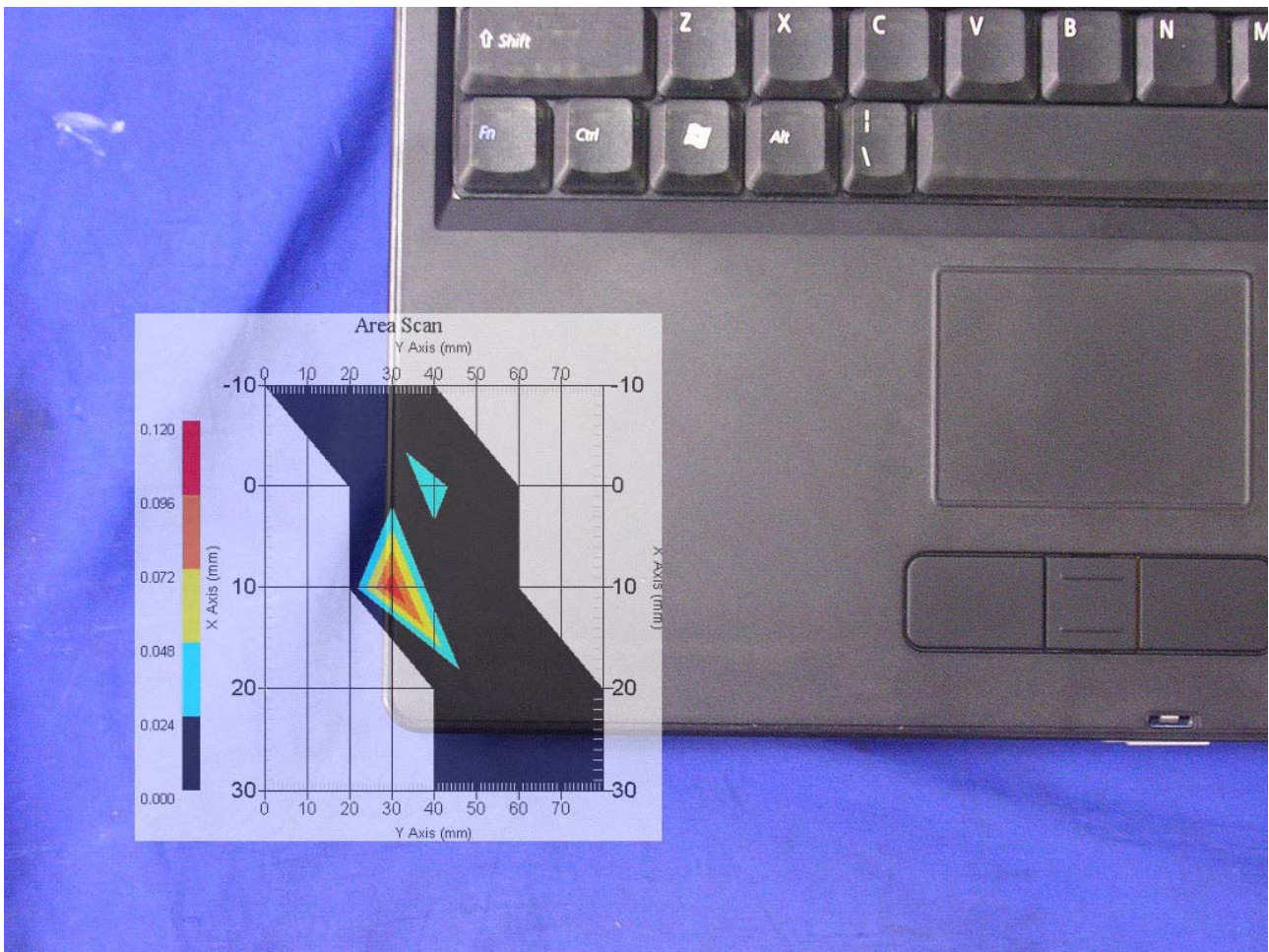
Tissue Temp. : 20.6°C
Ambient Temp. : 21.2°C
Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.010 W/kg
Power Drift-Finish: 0.010 W/kg
Power Drift (%) : 0.000
Crest Factor : 1
DUT Position : Touch EUT Left Front(Main Antenna)
Frequency : 802.11a 5180MHz



1 gram SAR value : 0.121 W/kg
10 gram SAR value : 0.032 W/kg
Area Scan Peak SAR : 0.109 W/kg
Zoom Scan Peak SAR : 0.432 W/kg

Measurement Data

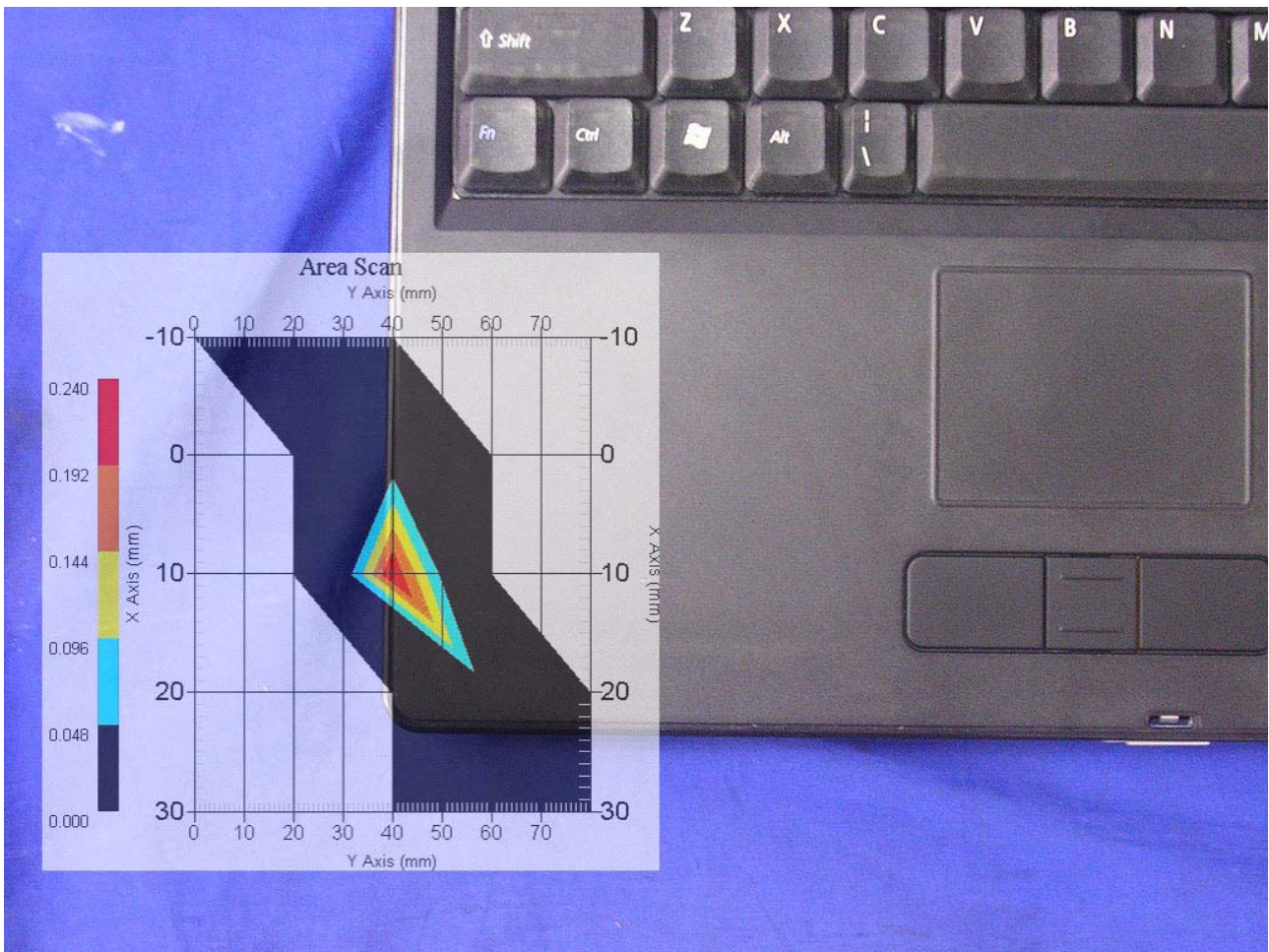
Tissue Temp. : 20.6°C
Ambient Temp. : 21.2°C
Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.010 W/kg
Power Drift-Finish: 0.010 W/kg
Power Drift (%) : 0.000
Crest Factor : 1
DUT Position : Touch EUT Left Front(Main Antenna)
Frequency : 802.11a 5240MHz



1 gram SAR value : 0.124 W/kg
10 gram SAR value : 0.033 W/kg
Area Scan Peak SAR : 0.118 W/kg
Zoom Scan Peak SAR : 0.451 W/kg

Measurement Data

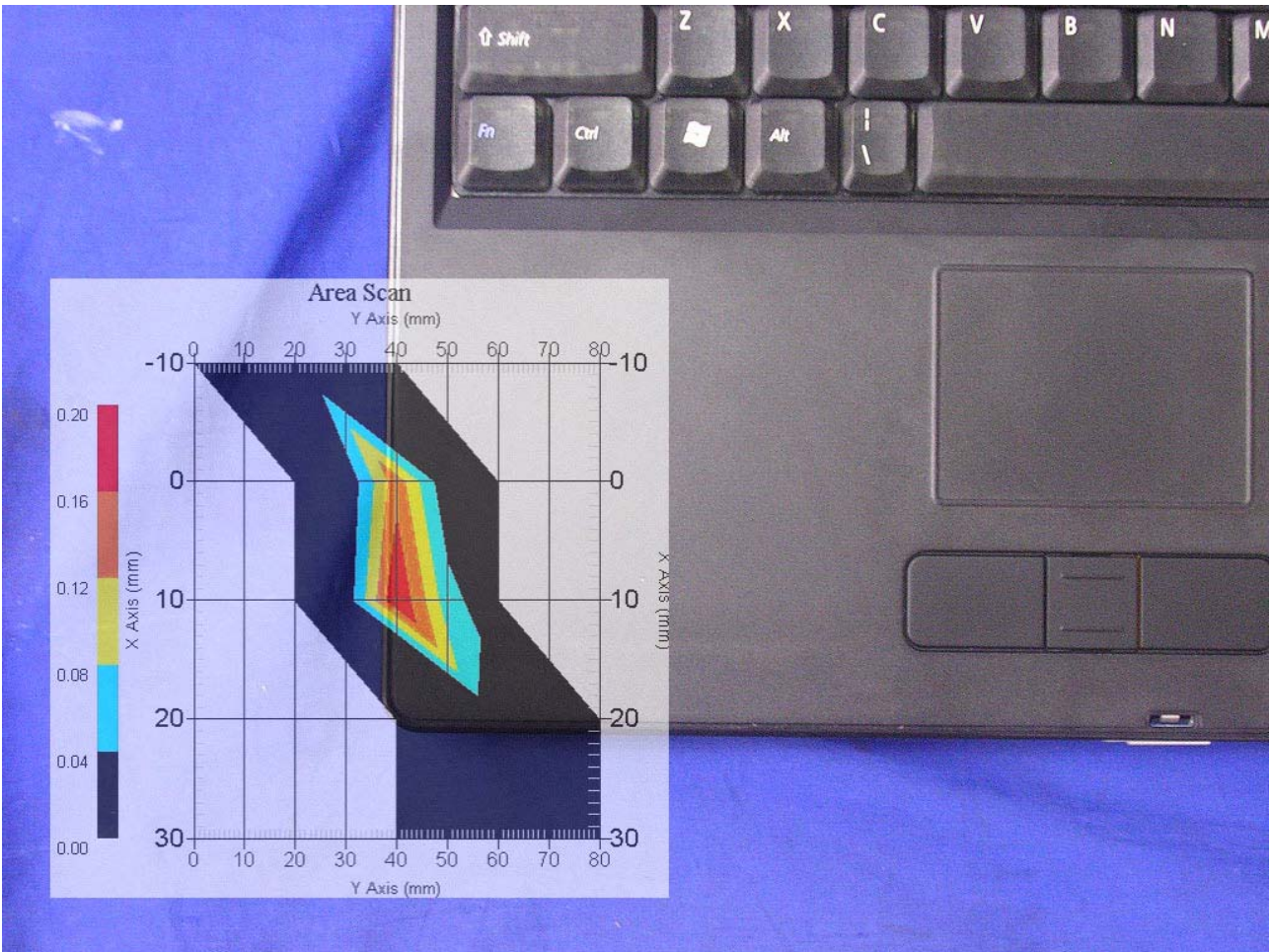
Tissue Temp. : 20.6°C
Ambient Temp. : 21.2°C
Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.010 W/kg
Power Drift-Finish: 0.010 W/kg
Power Drift (%) : 1.000
Crest Factor : 1
DUT Position : Touch EUT Left Front(Main Antenna)
Frequency : 802.11a 5260MHz



1 gram SAR value : 0.240 W/kg
10 gram SAR value : 0.044 W/kg
Area Scan Peak SAR : 0.238 W/kg
Zoom Scan Peak SAR : 1.240 W/kg

Measurement Data

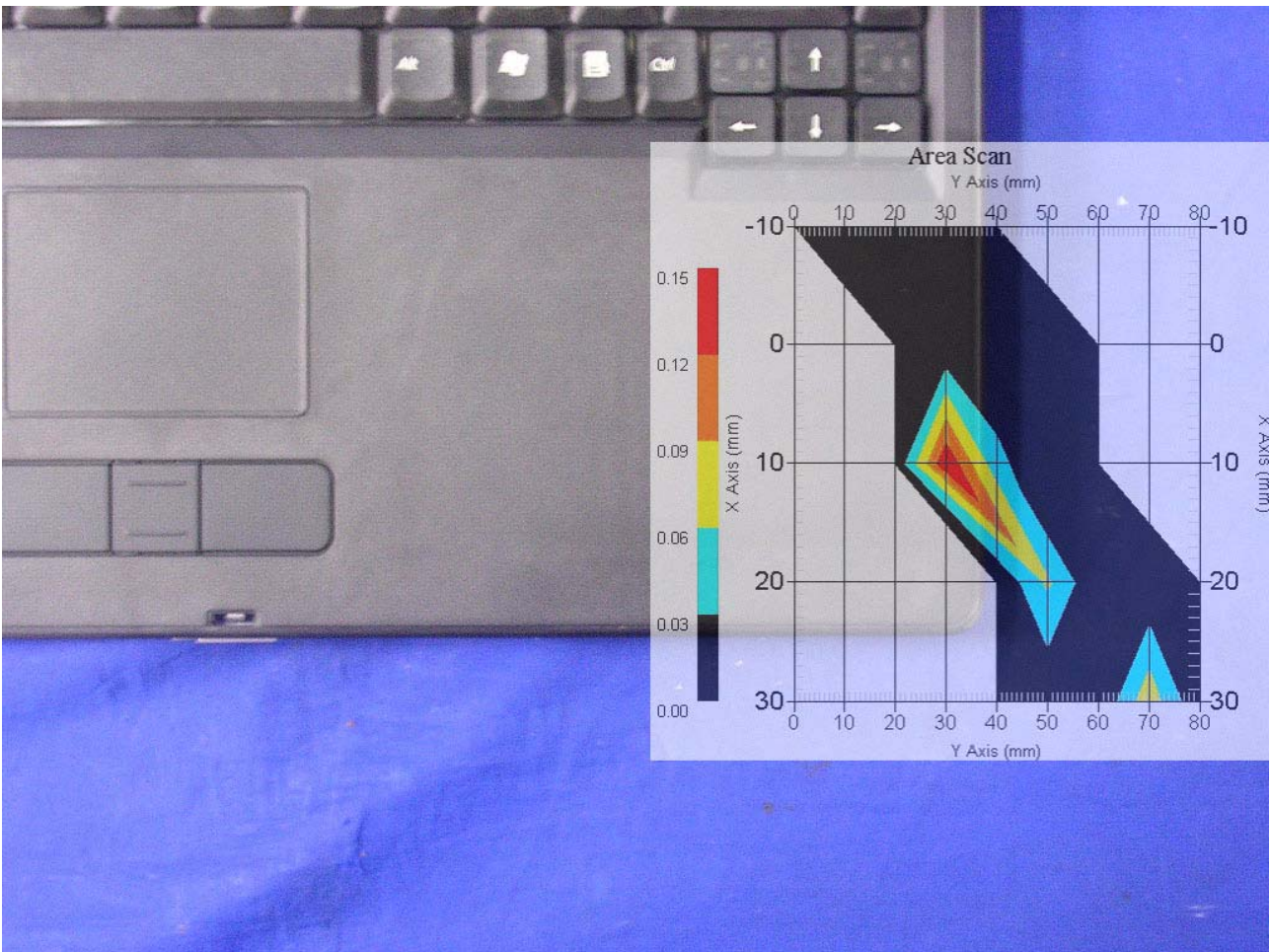
Tissue Temp. : 20.6°C
Ambient Temp. : 21.2°C
Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.010 W/kg
Power Drift-Finish: 0.010 W/kg
Power Drift (%) : 0.000
Crest Factor : 1
DUT Position : Touch EUT Left Front(Main Antenna)
Frequency : 802.11a 5320MHz



1 gram SAR value : 0.183 W/kg
10 gram SAR value : 0.040 W/kg
Area Scan Peak SAR : 0.198 W/kg
Zoom Scan Peak SAR : 0.921 W/kg

Measurement Data

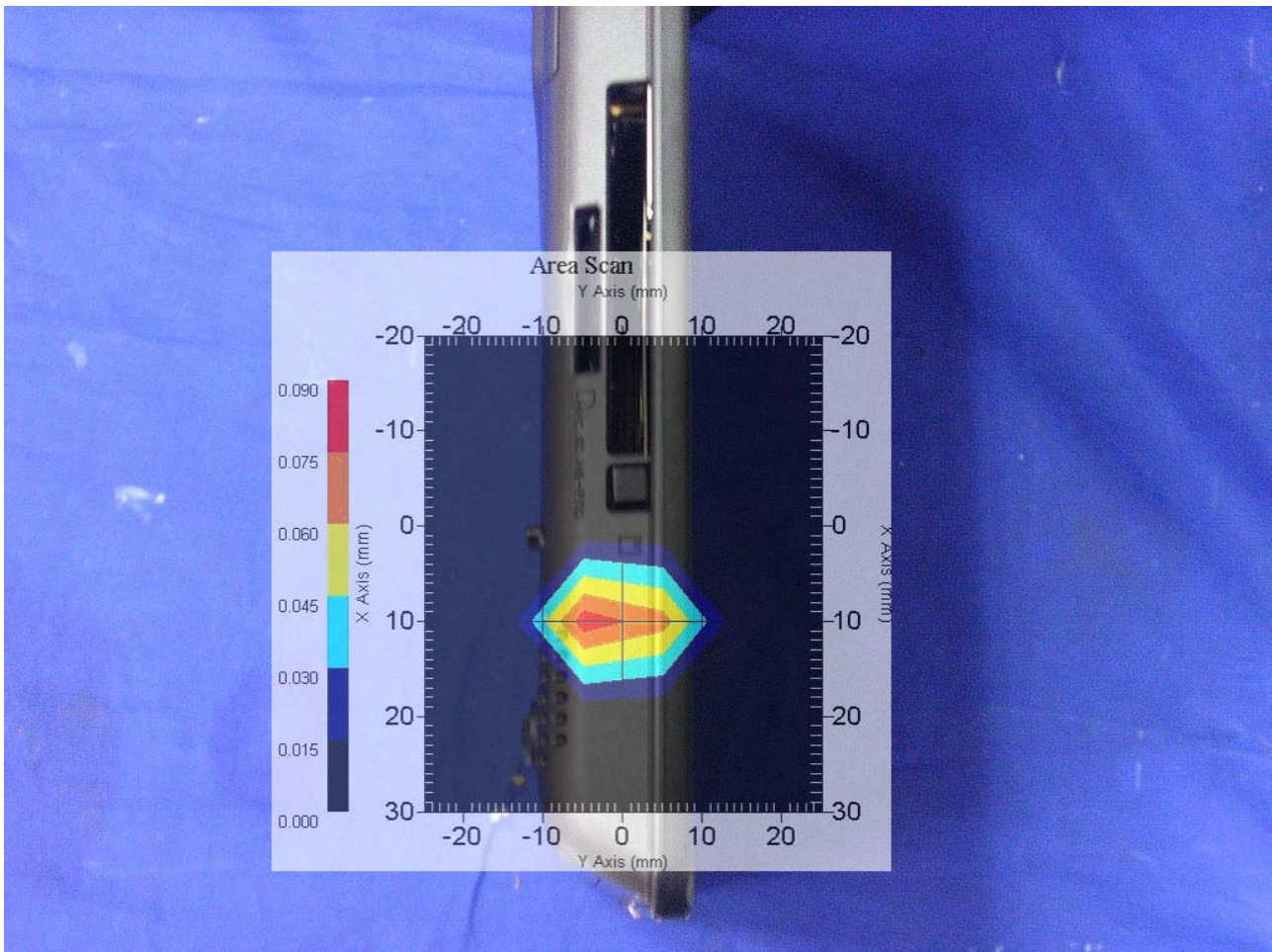
Tissue Temp. : 20.6°C
 Ambient Temp. : 21.2°C
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.010 W/kg
 Power Drift-Finish: 0.010 W/kg
 Power Drift (%) : 0.000
 Crest Factor : 1
 DUT Position : Touch EUT Right Front(Aux. Antenna)
 Frequency : 802.11a 5260MHz



1 gram SAR value : 0.176 W/kg
 10 gram SAR value : 0.039 W/kg
 Area Scan Peak SAR : 0.147 W/kg
 Zoom Scan Peak SAR : 0.750 W/kg

Measurement Data

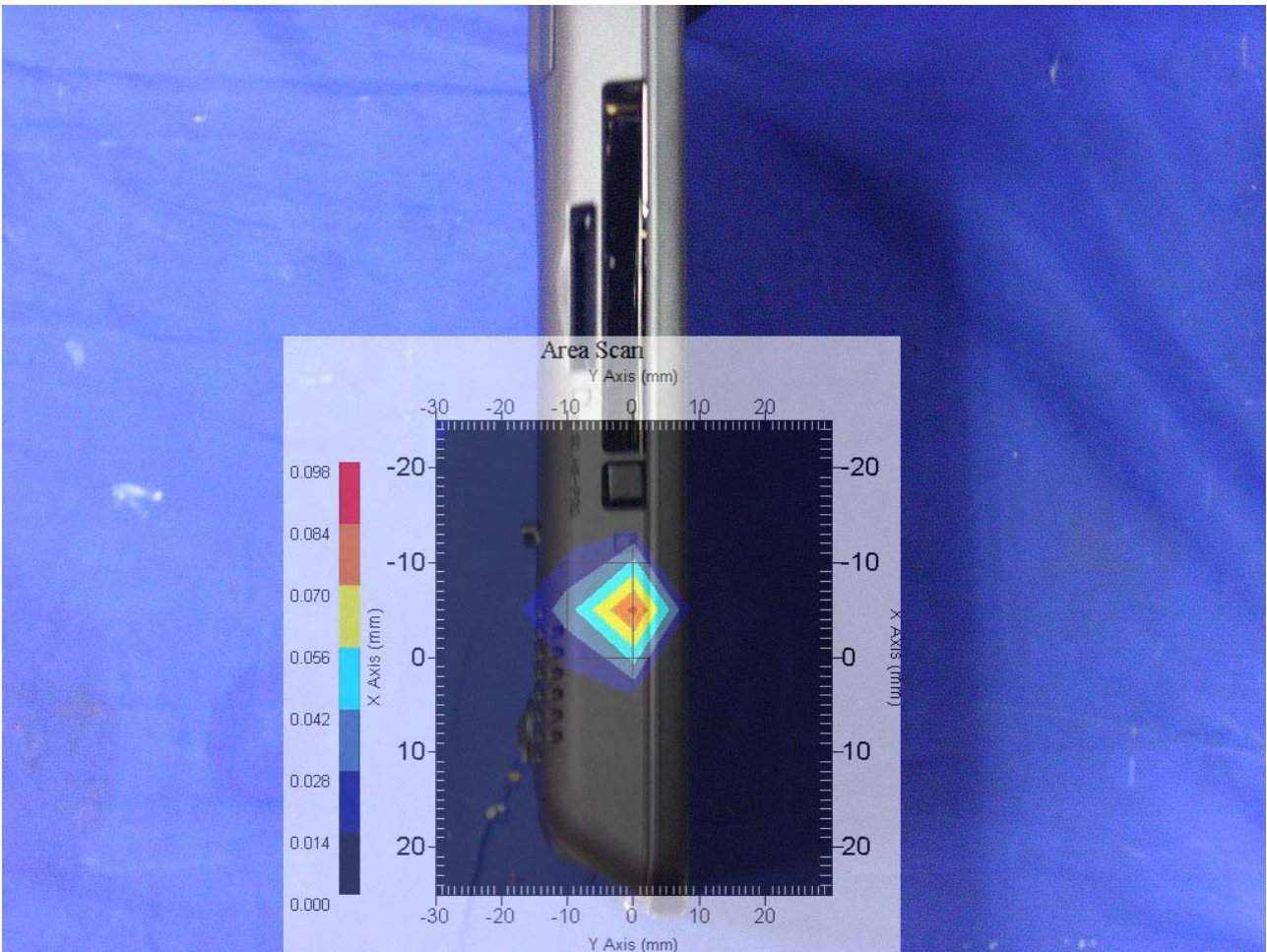
Tissue Temp. : 20.6°C
Ambient Temp. : 21.2°C
Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.010 W/kg
Power Drift-Finish: 0.010 W/kg
Power Drift (%) : 0.000
Crest Factor : 1
DUT Position : Touch EUT Left Side(Main Antenna)
Frequency : 802.11a 5180MHz



1 gram SAR value : 0.082 W/kg
10 gram SAR value : 0.025 W/kg
Area Scan Peak SAR : 0.090 W/kg
Zoom Scan Peak SAR : 0.352 W/kg

Measurement Data

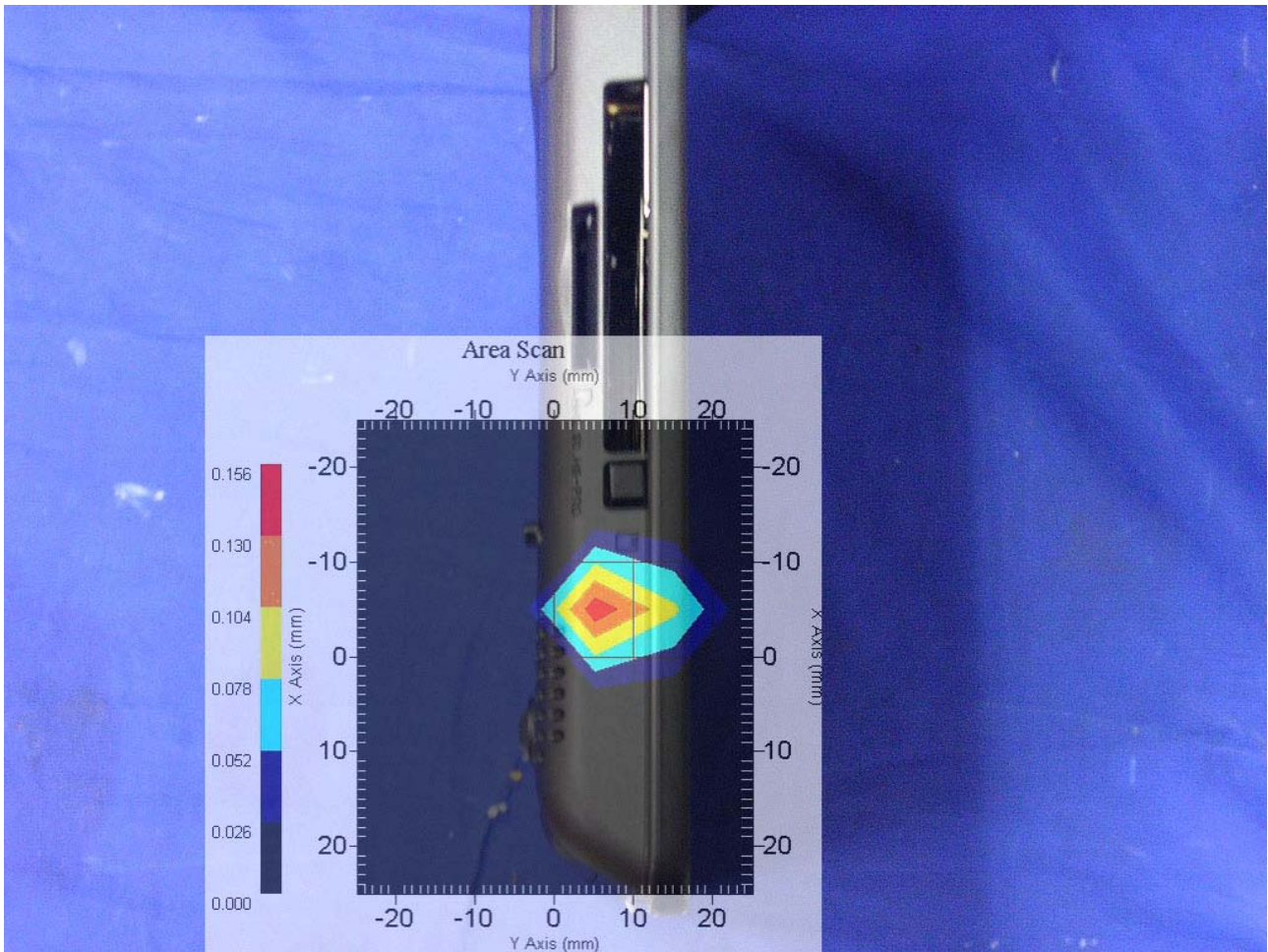
Tissue Temp. : 20.6°C
 Ambient Temp. : 21.2°C
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.010 W/kg
 Power Drift-Finish: 0.010 W/kg
 Power Drift (%) : 0.000
 Crest Factor : 1
 DUT Position : Touch EUT Left Side(Main Antenna)
 Frequency : 802.11a 5240MHz



1 gram SAR value : 0.088 W/kg
 10 gram SAR value : 0.020 W/kg
 Area Scan Peak SAR : 0.096 W/kg
 Zoom Scan Peak SAR : 0.361 W/kg

Measurement Data

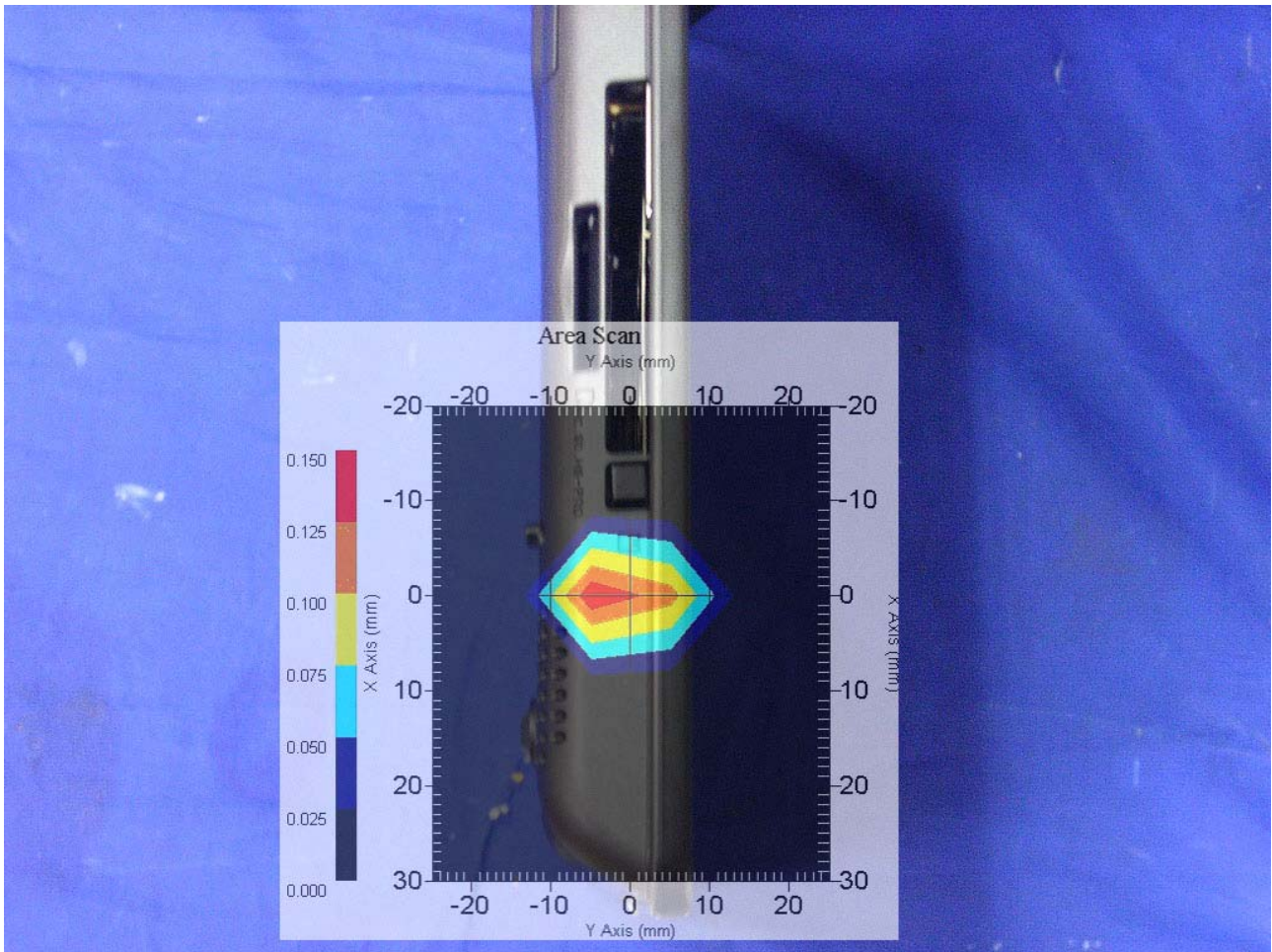
Tissue Temp. : 20.6°C
Ambient Temp. : 21.2°C
Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.087 W/kg
Power Drift-Finish: 0.085 W/kg
Power Drift (%) : -2.299
Crest Factor : 1
DUT Position : Touch EUT Left Side(Main Antenna)
Frequency : 802.11a 5260MHz



1 gram SAR value : 0.159 W/kg
10 gram SAR value : 0.042 W/kg
Area Scan Peak SAR : 0.782 W/kg
Zoom Scan Peak SAR : 0.153 W/kg

Measurement Data

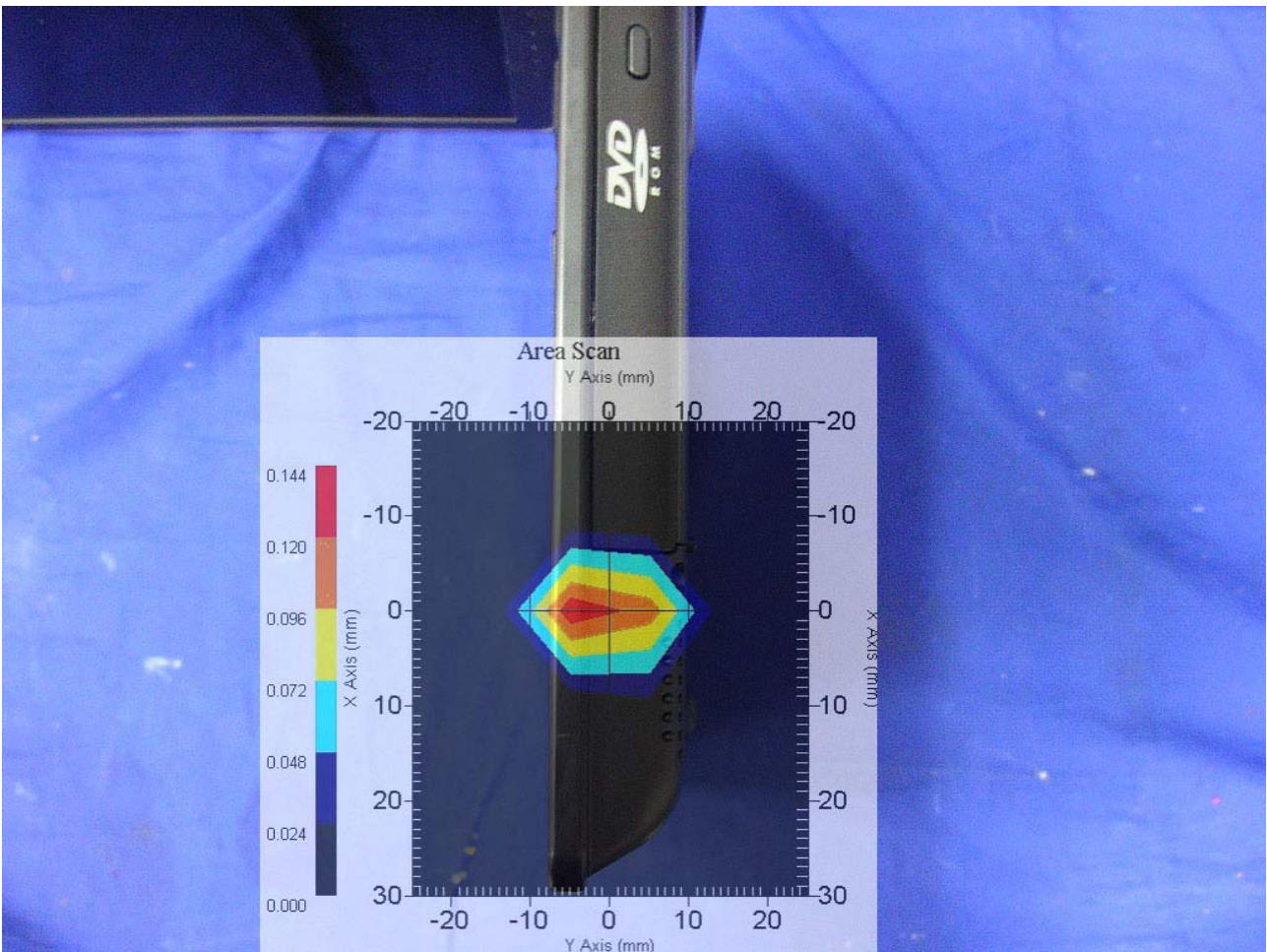
Tissue Temp. : 20.6°C
Ambient Temp. : 21.2°C
Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.095 W/kg
Power Drift-Finish: 0.094 W/kg
Power Drift (%) : -1.052
Crest Factor : 1
DUT Position : Touch EUT Left Side(Main Antenna)
Frequency : 802.11a 5320MHz



1 gram SAR value : 0.156 W/kg
10 gram SAR value : 0.037 W/kg
Area Scan Peak SAR : 0.146 W/kg
Zoom Scan Peak SAR : 0.782 W/kg

Measurement Data

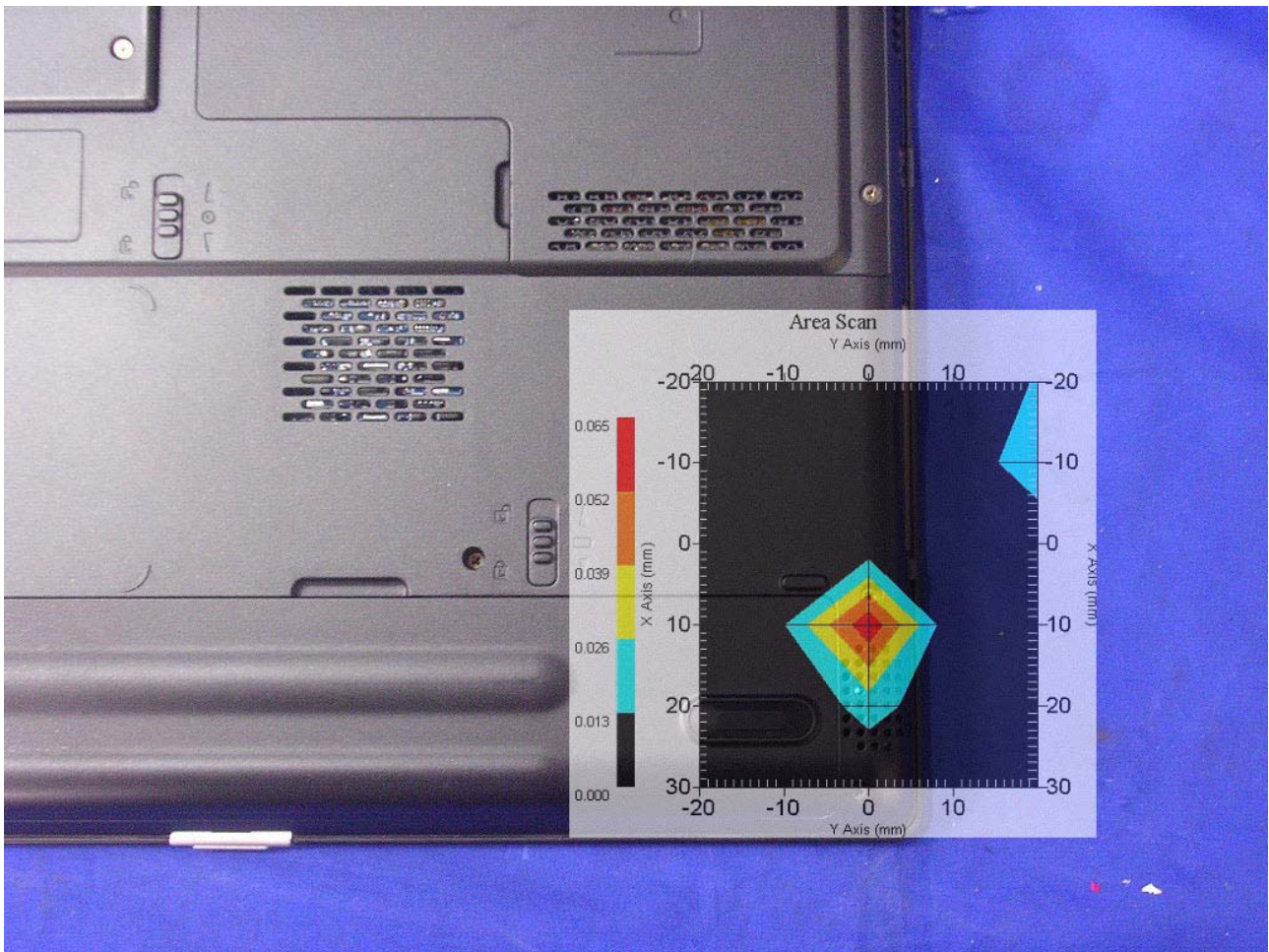
Tissue Temp. : 20.6°C
 Ambient Temp. : 21.2°C
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.088 W/kg
 Power Drift-Finish: 0.085 W/kg
 Power Drift (%) : -3.409
 Crest Factor : 1
 DUT Position : Touch EUT Right Side(Aux. Antenna)
 Frequency : 802.11a 5260MHz



1 gram SAR value : 0.149 W/kg
 10 gram SAR value : 0.038 W/kg
 Area Scan Peak SAR : 0.142 W/kg
 Zoom Scan Peak SAR : 0.742 W/kg

Measurement Data

Tissue Temp. : 20.6°C
Ambient Temp. : 21.2°C
Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
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 : 802.11a 5260MHz



1 gram SAR value : 0.058 W/kg
10 gram SAR value : 0.019 W/kg
Area Scan Peak SAR : 0.006 W/kg
Zoom Scan Peak SAR : 0.183 W/kg

SAR 5.8GHz 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 : 5800MHz

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 : 58000 MHz

Last Calib. Date : 20-Jun-2005

Temperature : 20.6 °C

Ambient Temp. : 21.2 °C

Humidity : 51 RH%

Epsilon : 45.63 F/m

Sigma : 6.117 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 : 5800 MHz

Duty Cycle Factor: 1

Conversion Factor: 3.9

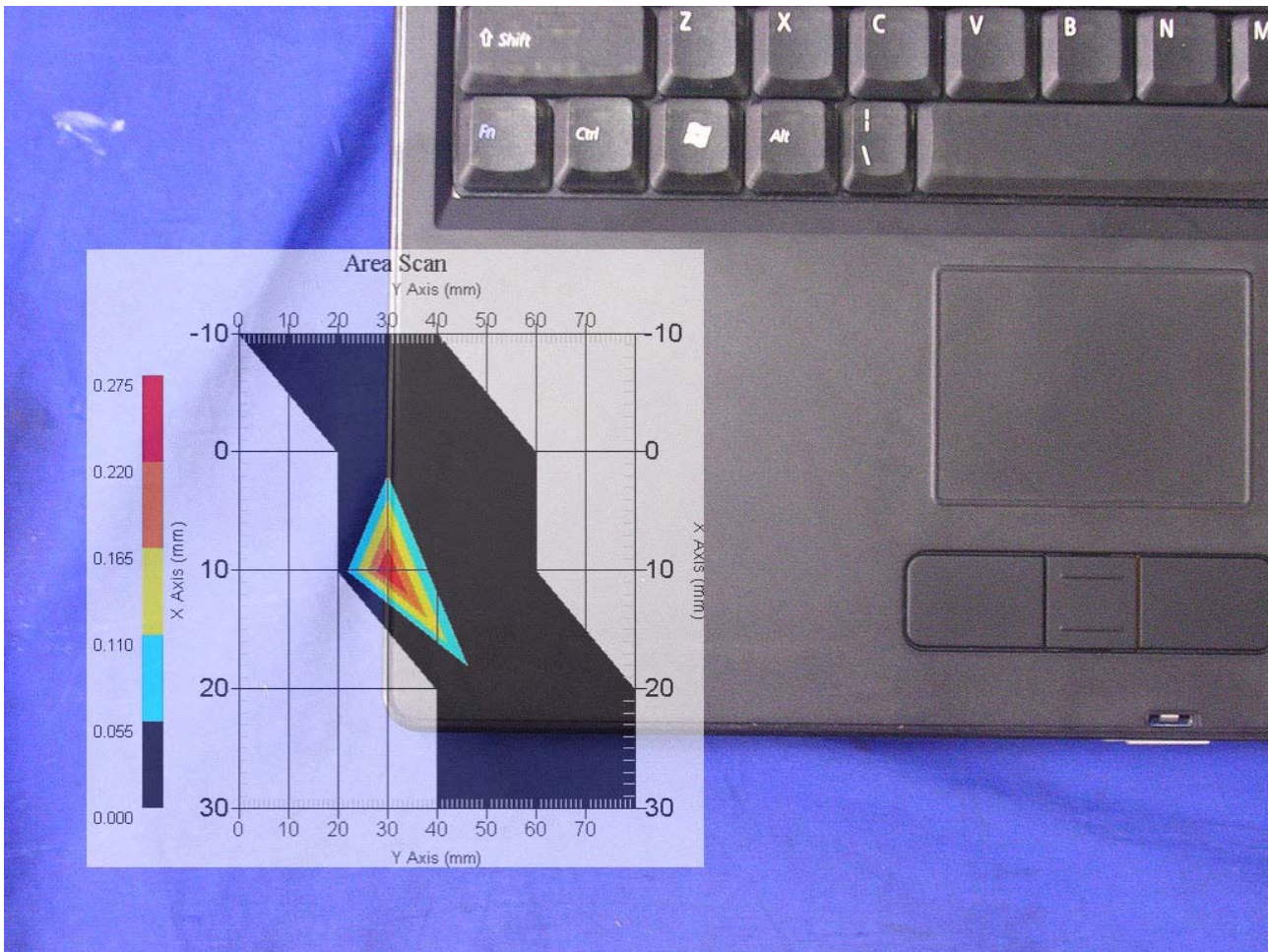
Probe Sensitivity: 1.20 1.20 1.20 $\mu\text{V}/(\text{V}/\text{m})^2$

Compression Point: 95 mV

Offset : 1.56 mm

Measurement Data

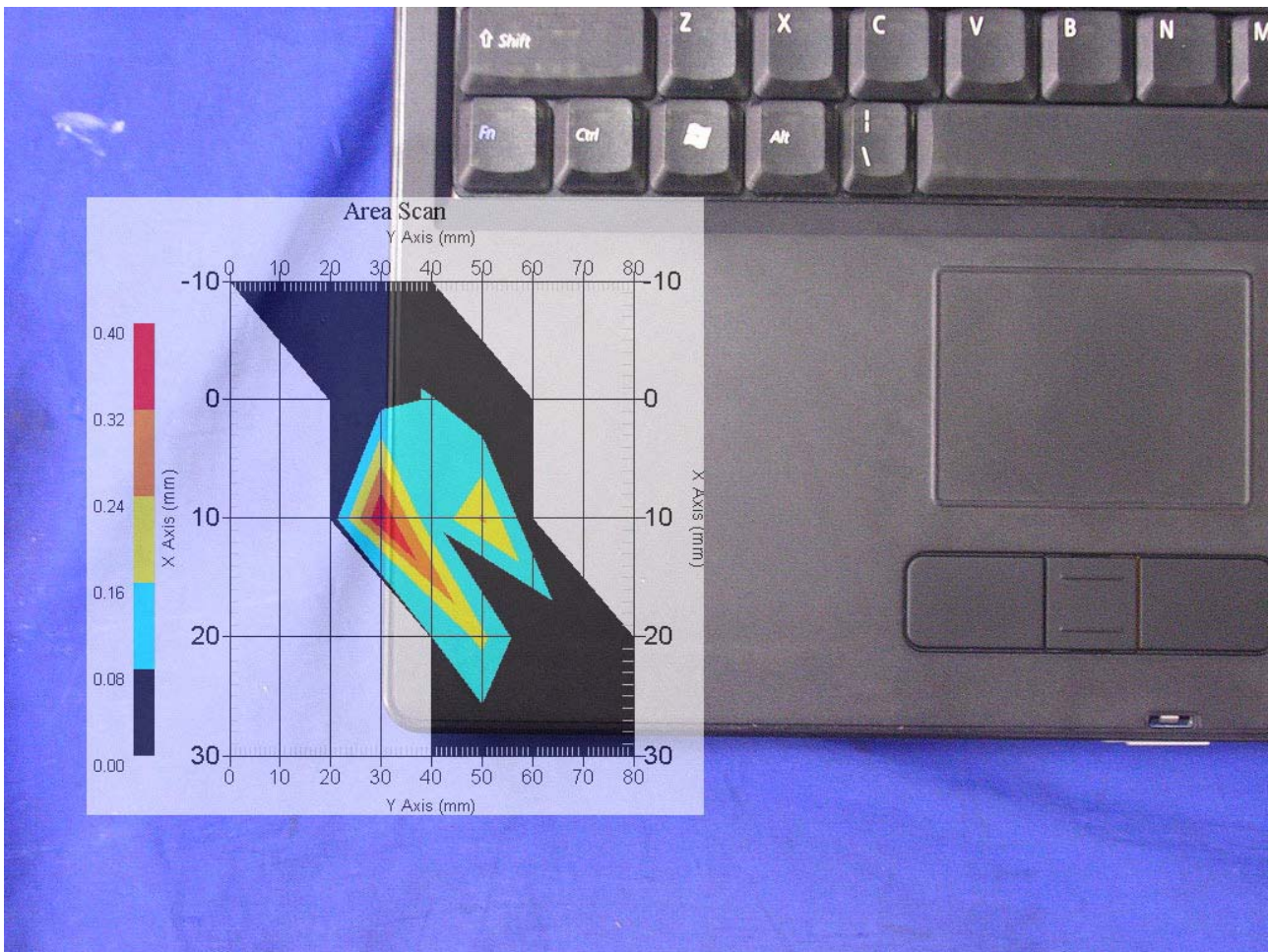
Tissue Temp. : 20.6°C
 Ambient Temp. : 21.2°C
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.010 W/kg
 Power Drift-Finish: 0.010 W/kg
 Power Drift (%) : 0.000
 Crest Factor : 1
 DUT Position : Touch EUT Left Front(Main Antenna)
 Frequency : 802.11a 5745MHz



1 gram SAR value : 0.298 W/kg
 10 gram SAR value : 0.072 W/kg
 Area Scan Peak SAR : 0.273 W/kg
 Zoom Scan Peak SAR : 1.352 W/kg

Measurement Data

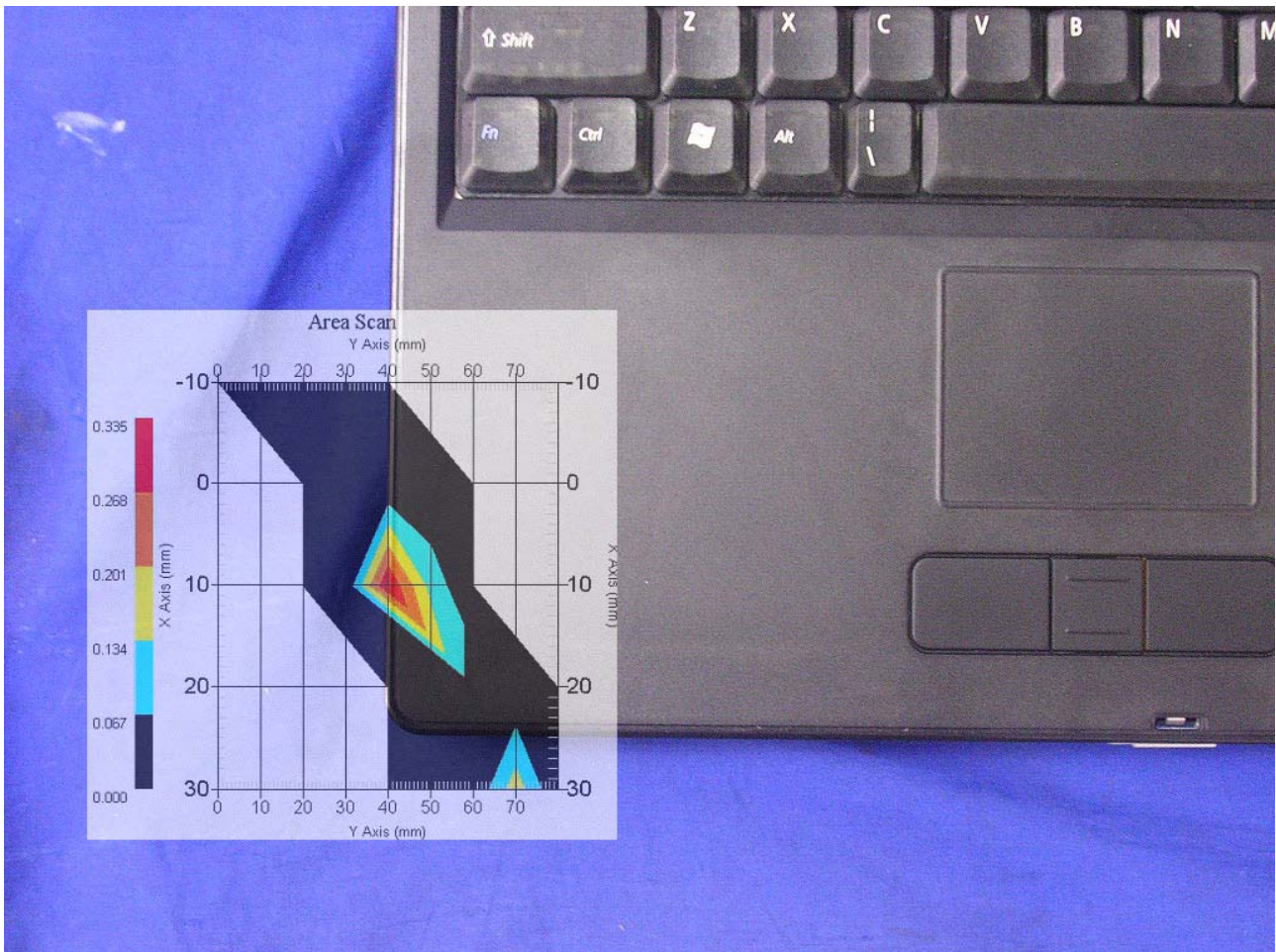
Tissue Temp. : 20.6°C
Ambient Temp. : 21.2°C
Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.010 W/kg
Power Drift-Finish: 0.010 W/kg
Power Drift (%) : 0.000
Crest Factor : 1
DUT Position : Touch EUT Left Front(Main Antenna)
Frequency : 802.11a 5785MHz



1 gram SAR value : 0.405 W/kg
10 gram SAR value : 0.098 W/kg
Area Scan Peak SAR : 0.392 W/kg
Zoom Scan Peak SAR : 1.811 W/kg

Measurement Data

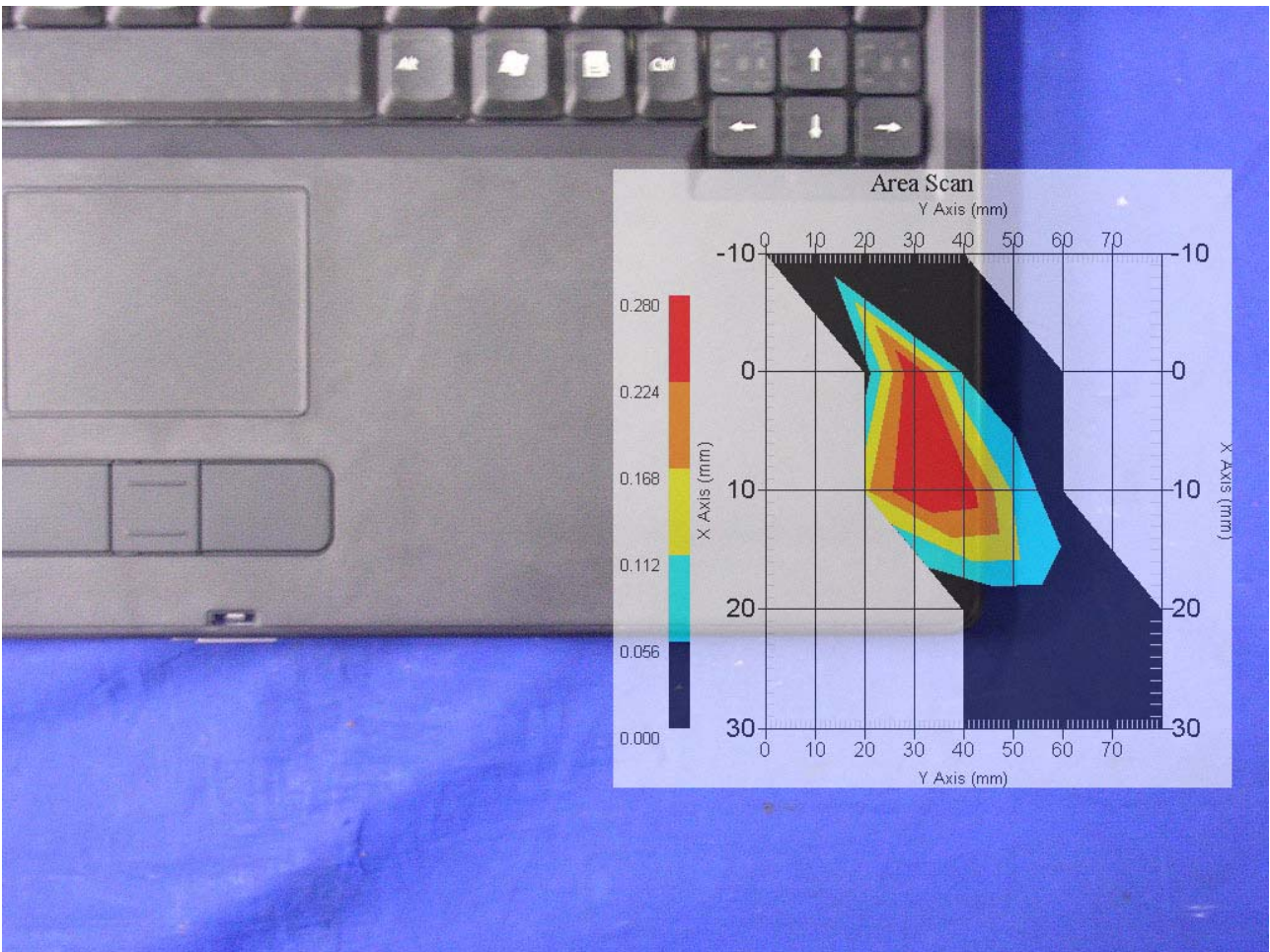
Tissue Temp. : 20.6°C
Ambient Temp. : 21.2°C
Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.010 W/kg
Power Drift-Finish: 0.010 W/kg
Power Drift (%) : 0.000
Crest Factor : 1
DUT Position : Touch EUT Left Front(Main Antenna)
Frequency : 802.11a 5805MHz



1 gram SAR value : 0.352 W/kg
10 gram SAR value : 0.082 W/kg
Area Scan Peak SAR : 0.333 W/kg
Zoom Scan Peak SAR : 1.671 W/kg

Measurement Data

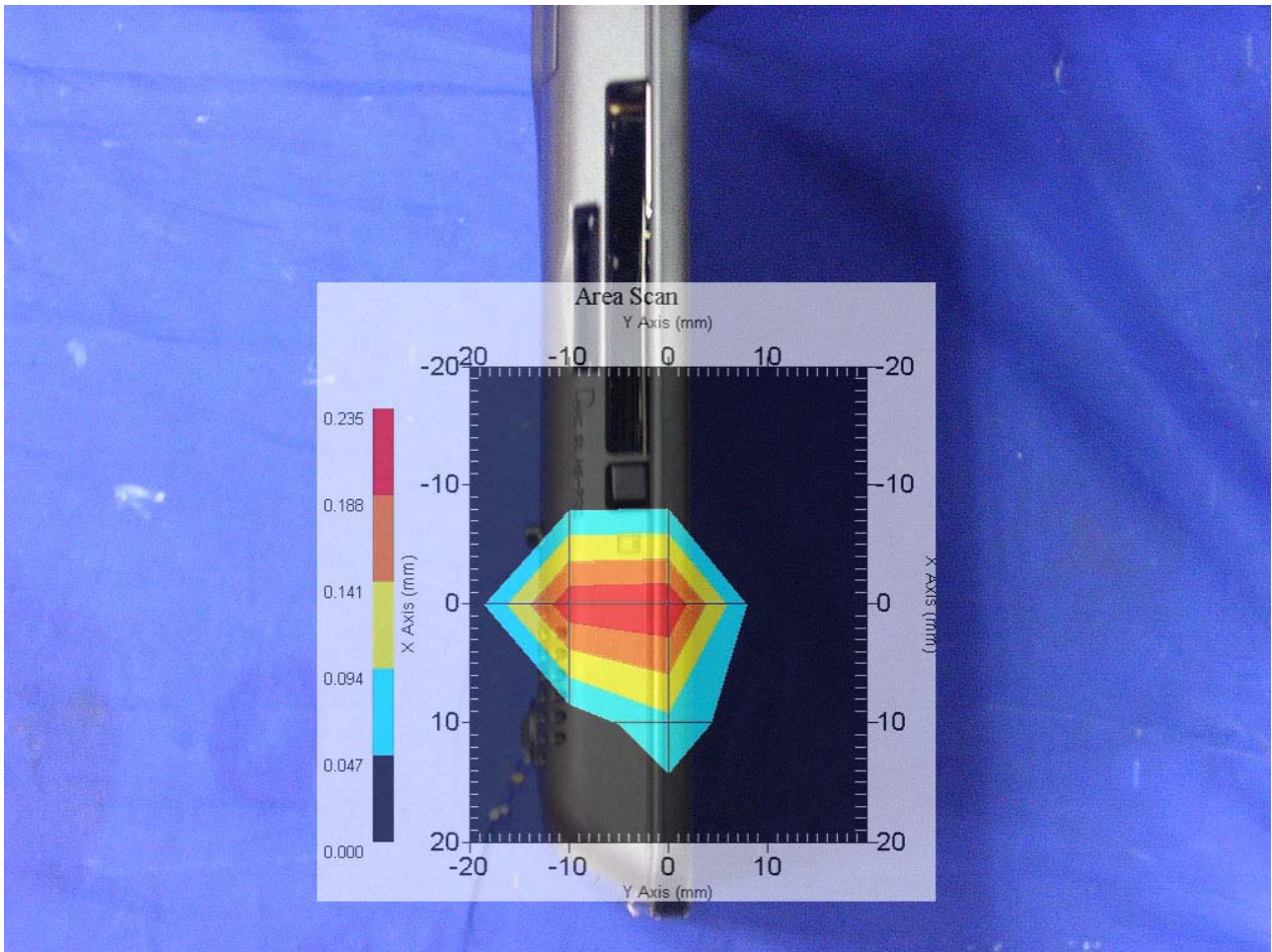
Tissue Temp. : 20.6°C
 Ambient Temp. : 21.2°C
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.010 W/kg
 Power Drift-Finish: 0.010 W/kg
 Power Drift (%) : 0.000
 Crest Factor : 1
 DUT Position : Touch EUT Right Front(Aux. Antenna)
 Frequency : 802.11a 5785MHz



1 gram SAR value : 0.302 W/kg
 10 gram SAR value : 0.095 W/kg
 Area Scan Peak SAR : 0.277 W/kg
 Zoom Scan Peak SAR : 1.541 W/kg

Measurement Data

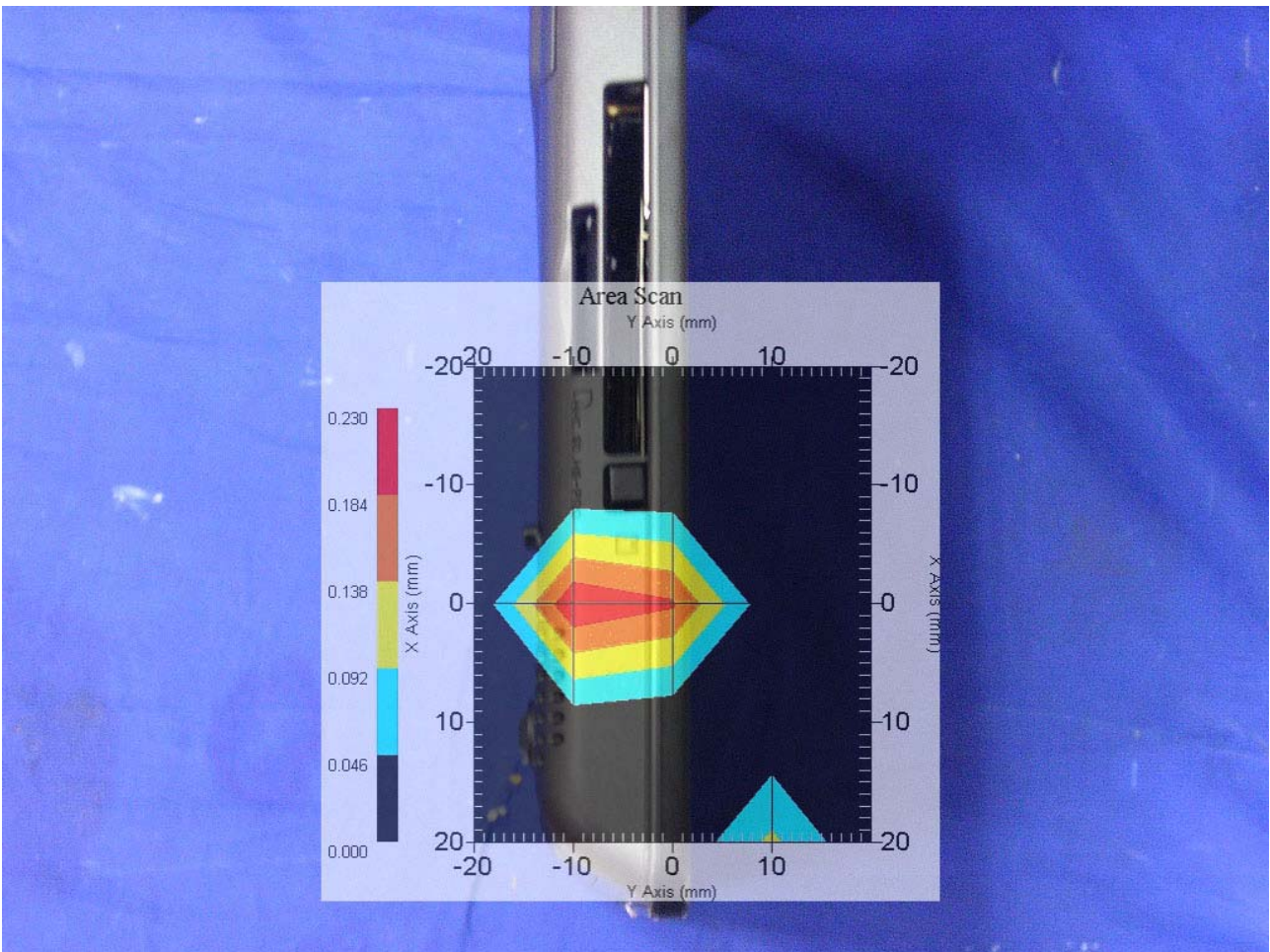
Tissue Temp. : 20.6°C
 Ambient Temp. : 21.2°C
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.124 W/kg
 Power Drift-Finish: 0.126 W/kg
 Power Drift (%) : 1.612
 Crest Factor : 1
 DUT Position : Touch EUT Left Side(Main Antenna)
 Frequency : 802.11a 5745MHz



1 gram SAR value : 0.225 W/kg
 10 gram SAR value : 0.048 W/kg
 Area Scan Peak SAR : 0.230 W/kg
 Zoom Scan Peak SAR : 1.210 W/kg

Measurement Data

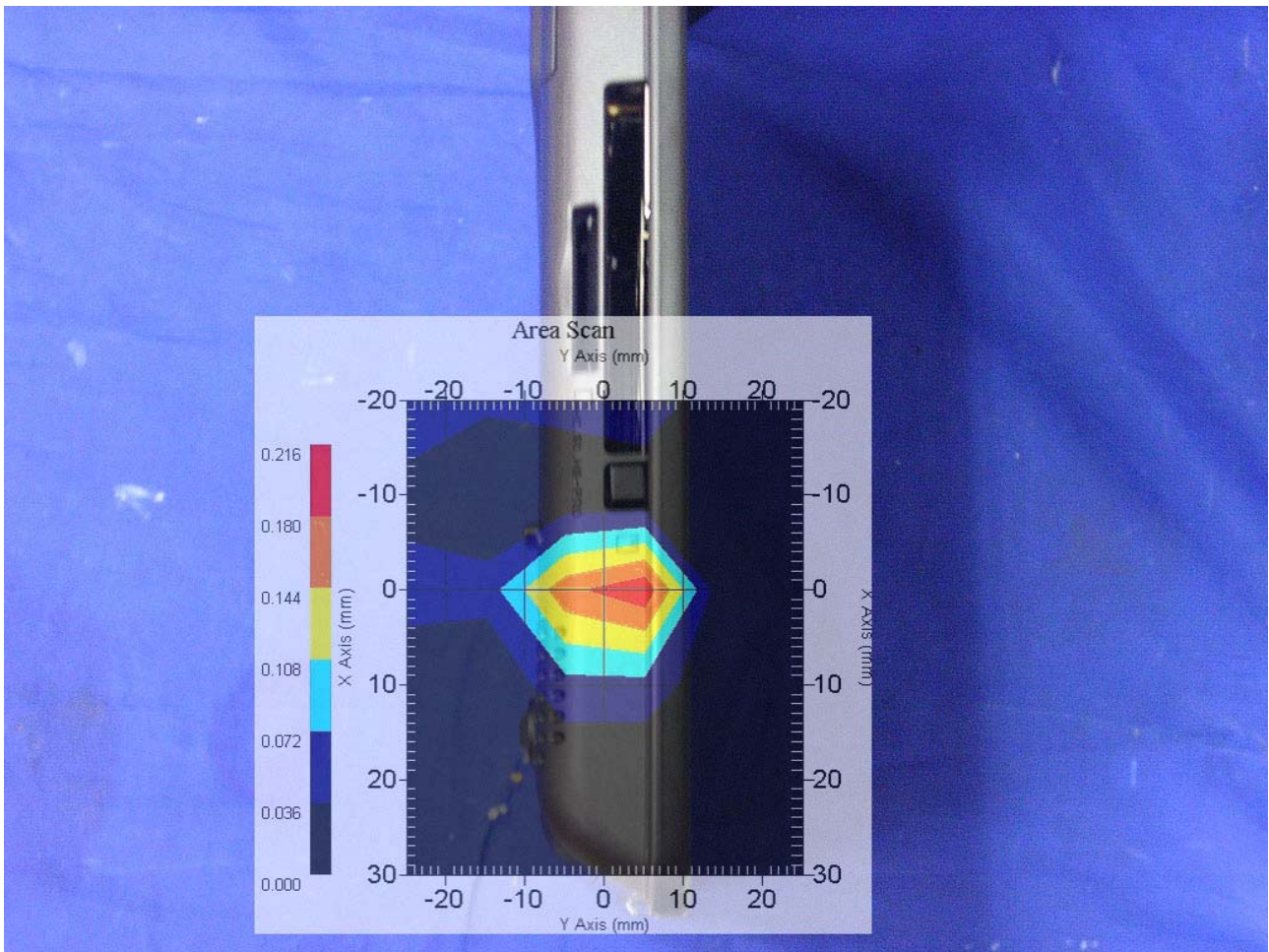
Tissue Temp. : 20.6°C
 Ambient Temp. : 21.2°C
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.103 W/kg
 Power Drift-Finish: 0.100 W/kg
 Power Drift (%) : -2.912
 Crest Factor : 1
 DUT Position : Touch EUT Left Side(Main Antenna)
 Frequency : 802.11a 5785MHz



1 gram SAR value : 0.222 W/kg
 10 gram SAR value : 0.053 W/kg
 Area Scan Peak SAR : 0.223 W/kg
 Zoom Scan Peak SAR : 1.201 W/kg

Measurement Data

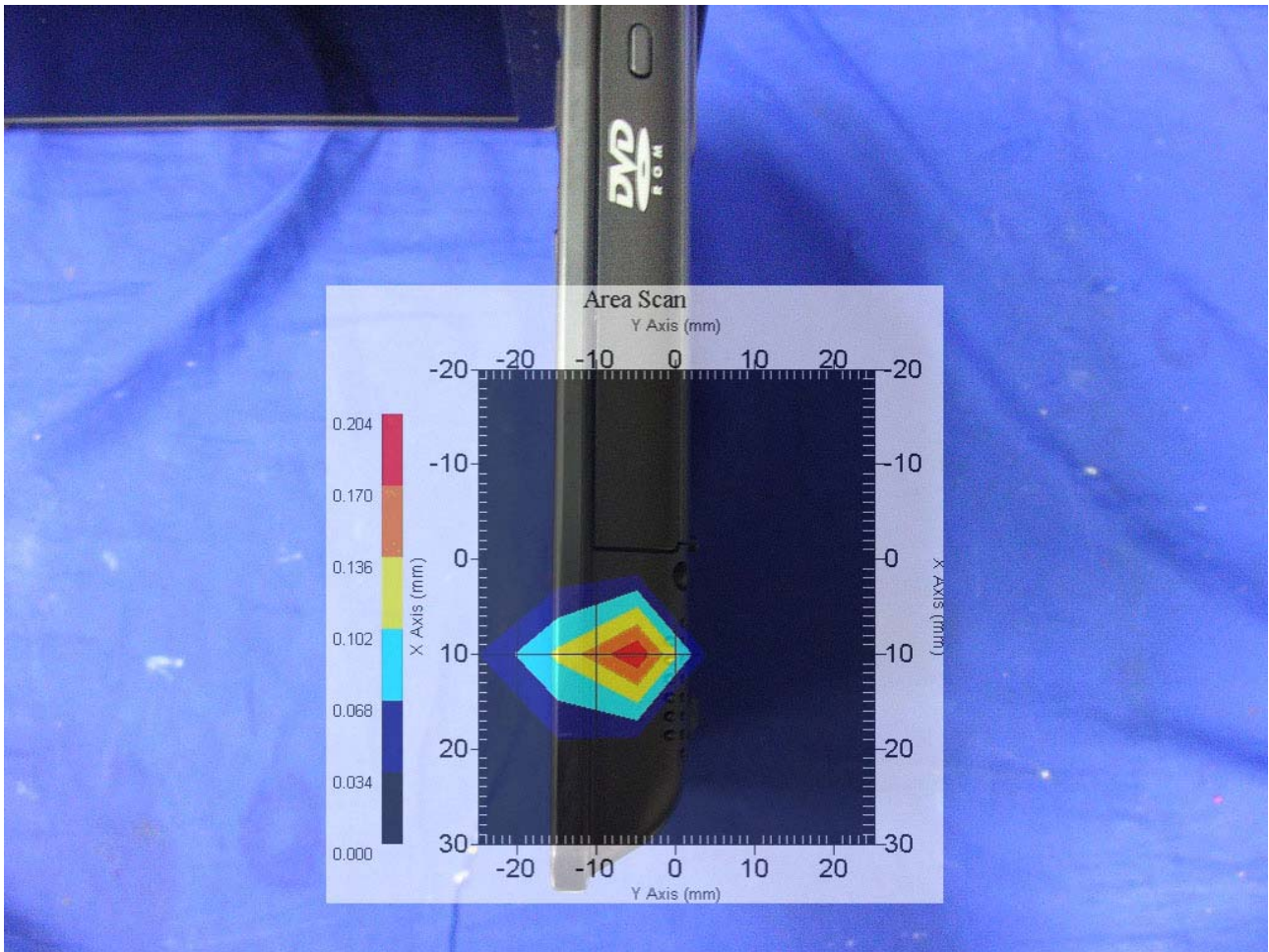
Tissue Temp. : 20.6°C
Ambient Temp. : 21.2°C
Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.093 W/kg
Power Drift-Finish: 0.095 W/kg
Power Drift (%) : 2.151
Crest Factor : 1
DUT Position : Touch EUT Left Side(Main Antenna)
Frequency : 802.11a 5805MHz



1 gram SAR value : 0.203 W/kg
10 gram SAR value : 0.045 W/kg
Area Scan Peak SAR : 0.215 W/kg
Zoom Scan Peak SAR : 1.023 W/kg

Measurement Data

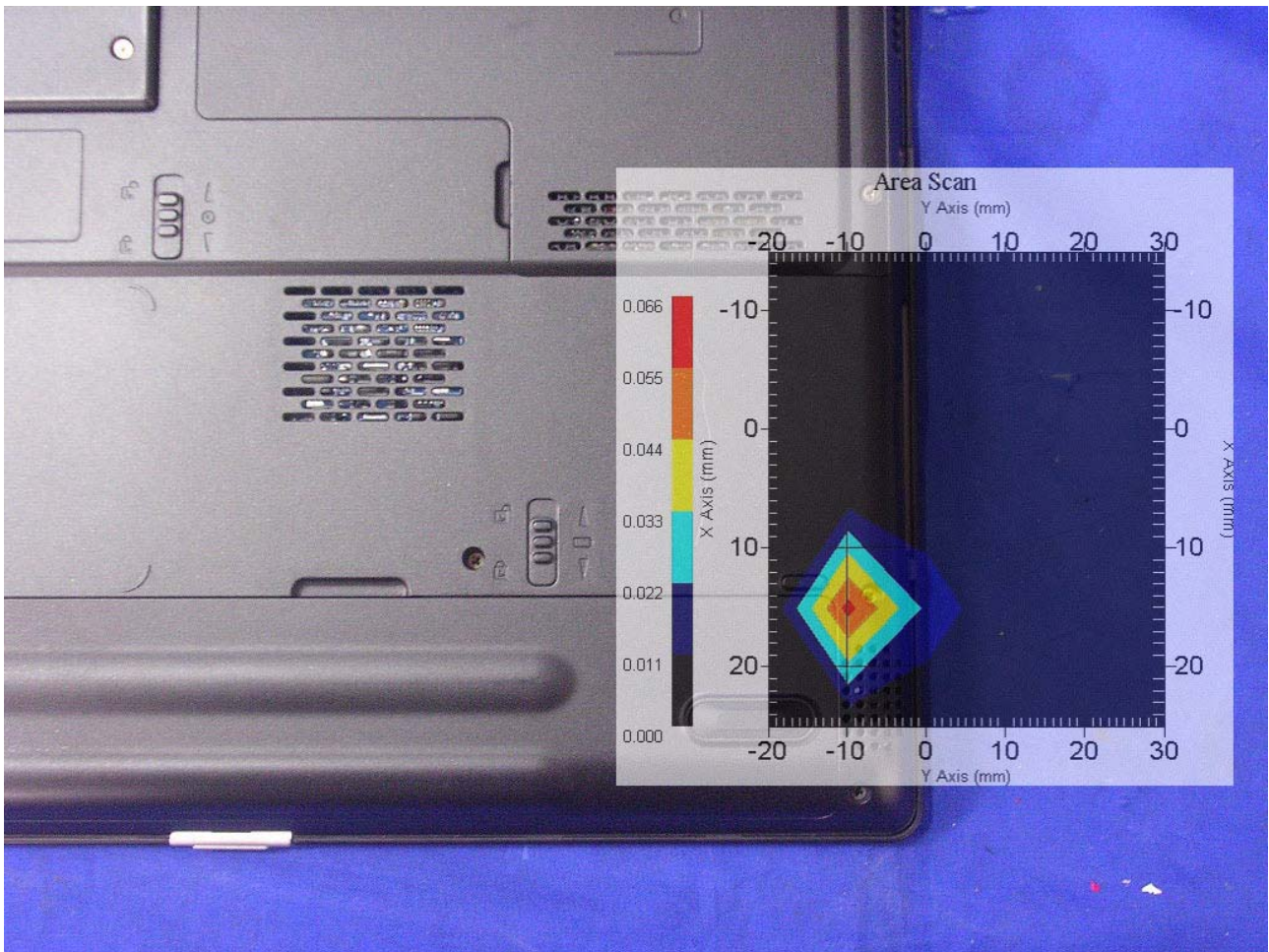
Tissue Temp. : 20.6°C
 Ambient Temp. : 21.2°C
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.075 W/kg
 Power Drift-Finish: 0.074 W/kg
 Power Drift (%) : -1.332
 Crest Factor : 1
 DUT Position : Touch EUT Right Side(Aux. Antenna)
 Frequency : 802.11a 5785MHz



1 gram SAR value : 0.182 W/kg
 10 gram SAR value : 0.042 W/kg
 Area Scan Peak SAR : 0.201 W/kg
 Zoom Scan Peak SAR : 0.905 W/kg

Measurement Data

Tissue Temp. : 20.6°C
 Ambient Temp. : 21.2°C
 Area Scan : 7x5x1 : Measurement x=10mm, y=10mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 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 : 802.11a 5785MHz

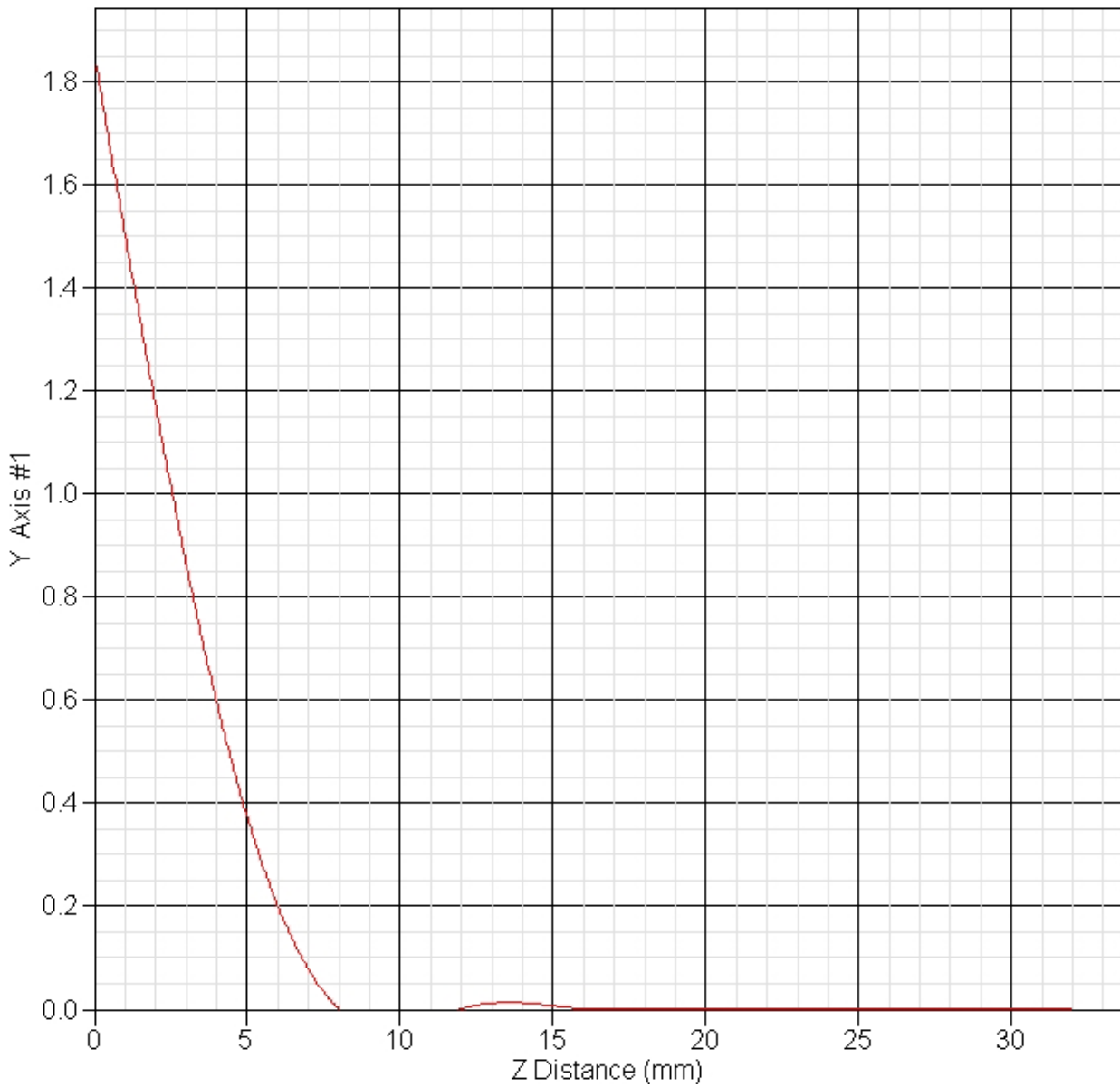


1 gram SAR value : 0.052 W/kg
 10 gram SAR value : 0.018 W/kg
 Area Scan Peak SAR : 0.062 W/kg
 Zoom Scan Peak SAR : 0.188 W/kg

EUT Left Front (Main Antenna) Z-Axis plot

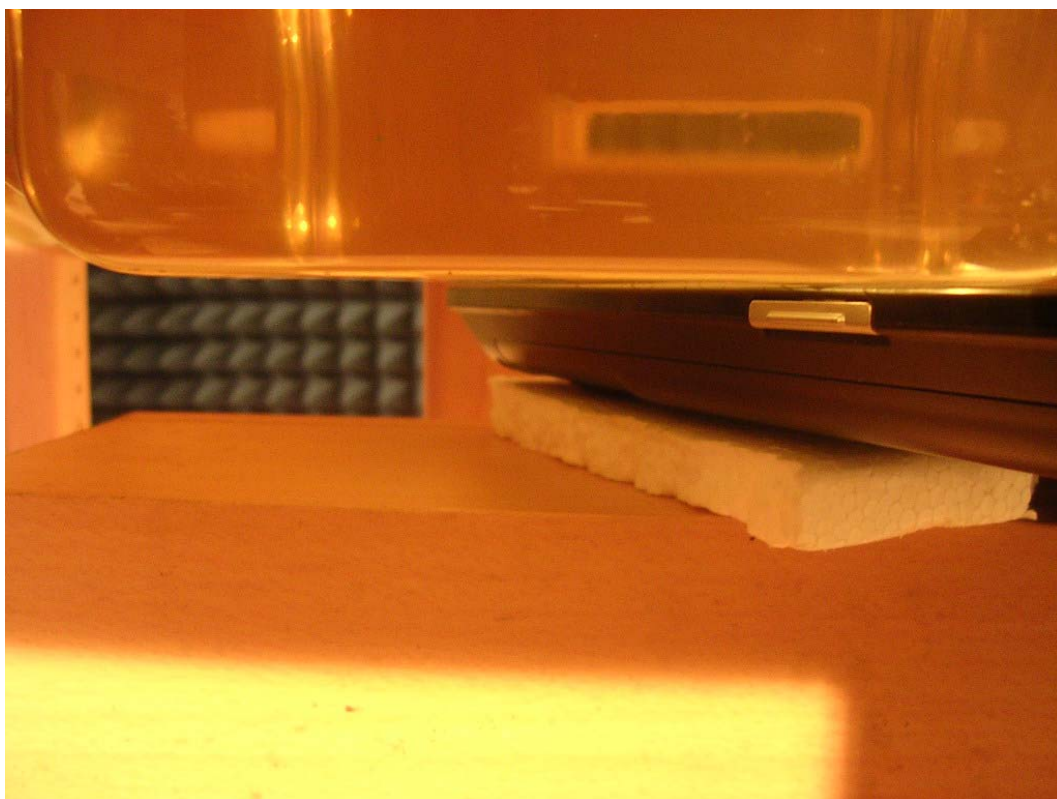
Frequency : 802.11a 5785MHz

SAR-Z Axis
at Hotspot x:0.00 y:-2.00



Test Setup Photographs

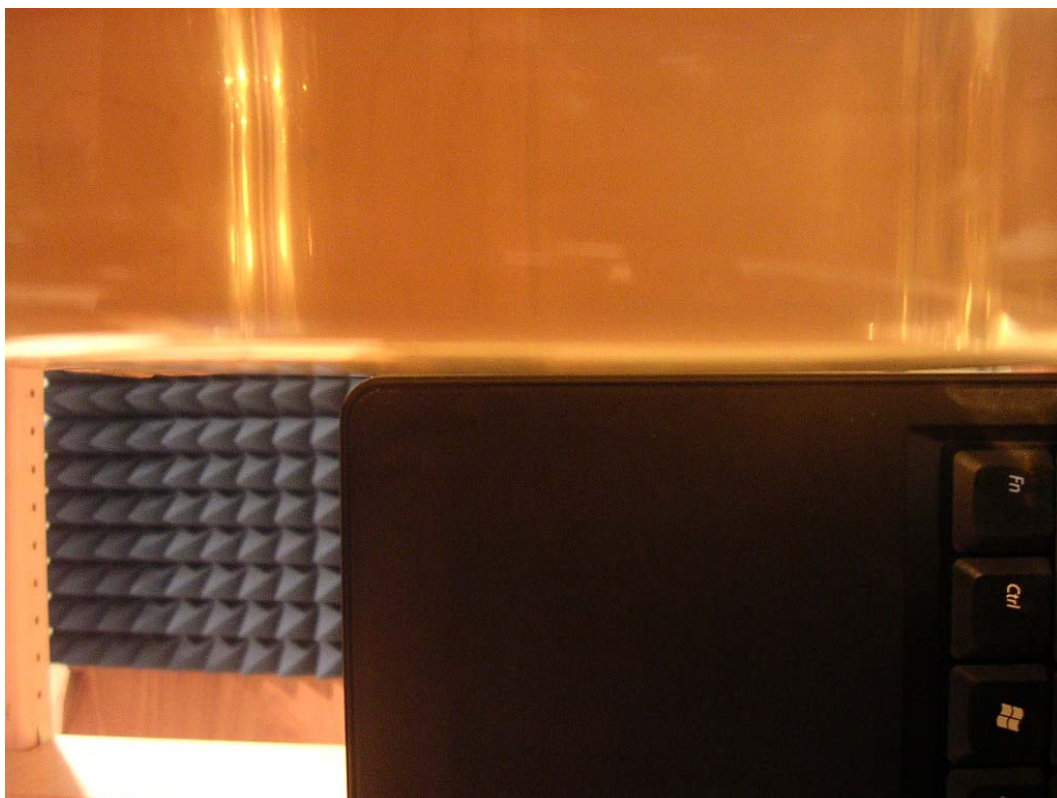
EUT Left Front (Main Antenna)



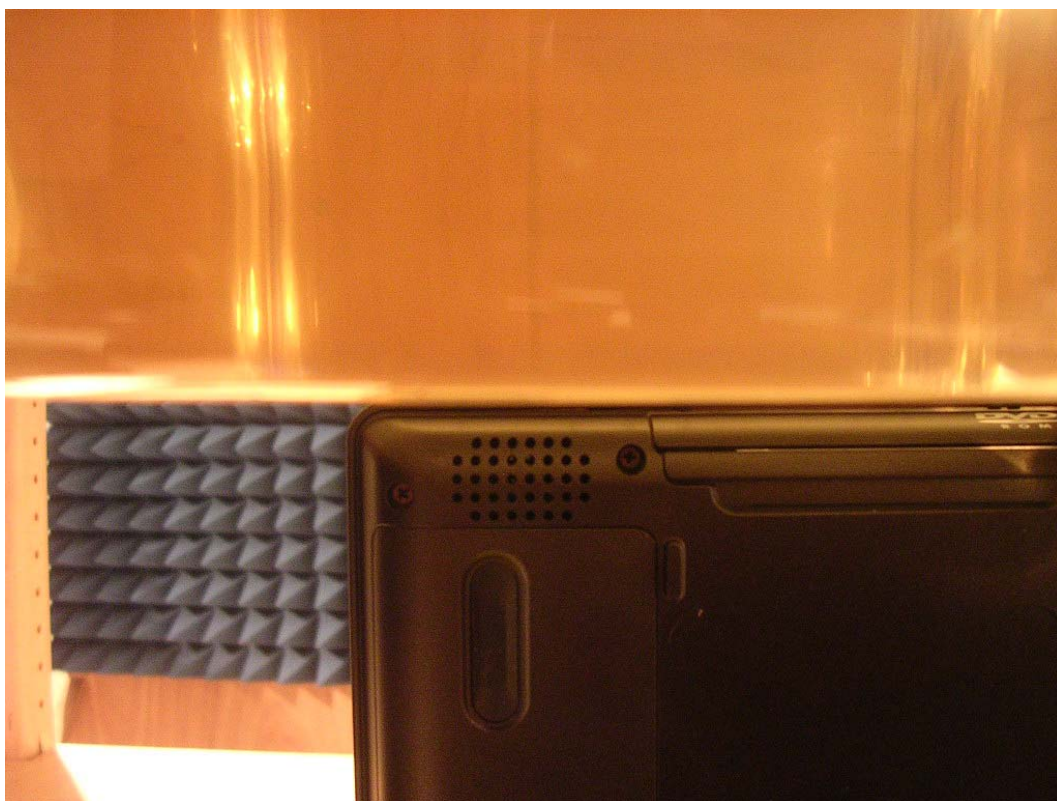
EUT Right Front (Auxiliary Antenna)



EUT Left Side (Main Antenna)



EUT Right Side (Main Antenna)



EUT Back(Main Antenna)



EUT Photographs





