

SAR measurement Data

ALSAS-10U VER 2.3.6 APREL Laboratories

SAR Test Report -802.11a(5.8GHz)-Tx1 Antenna

Report Date : 24-Jul-2008
Measurement Date : 24-Jul-2008

Product Data

Device Name : Tablet PC
Type : Other
Model : T10Y
Frequency : 5800.00 MHz
Drift Time : 0 min(s)
Length : 29 mm
Width : 270 mm
Depth : 260 mm
Antenna Type : Internal

Phantom Data

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

Tissue Data

Type : BODY
Serial No. : 327-B
Frequency : 5800.00 MHz
Last Calib. Date : 24-Jul-2008
Temperature : 20.40 °C
Ambient Temp. : 21.20 °C
Humidity : 49.00 RH%
Epsilon : 48.53 F/m
Sigma : 6.14 S/m
Density : 1000.00 kg/cu. m

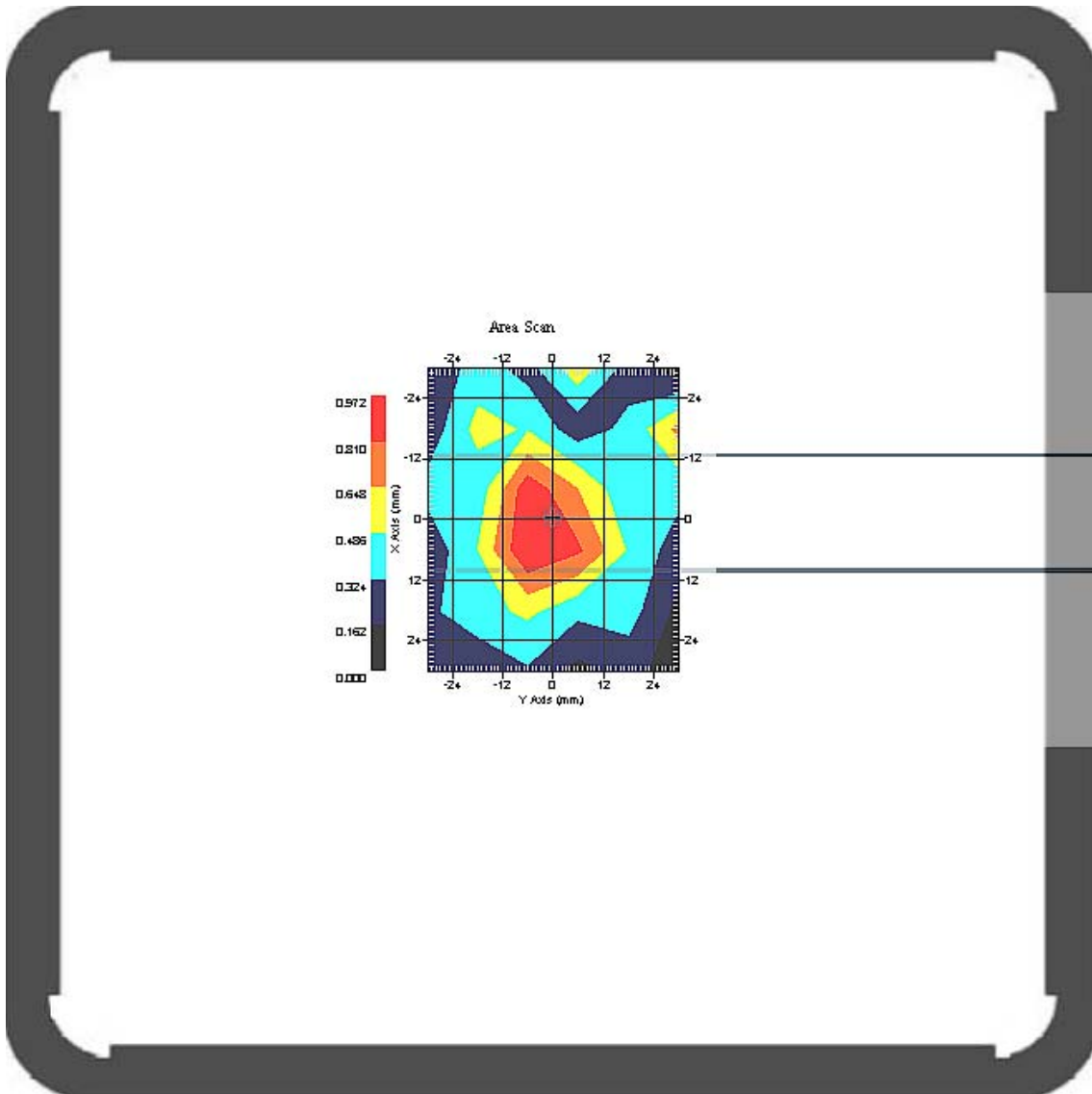
Probe Data

Name : Probe 265
Model : E020
Type : E-Field Triangle
Serial No. : 265
Last Calib. Date : 09-May-2007
Frequency : 5800.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.9
Probe Sensitivity: 1.2 1.2 1.2 $\mu\text{V}/(\text{V}/\text{m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

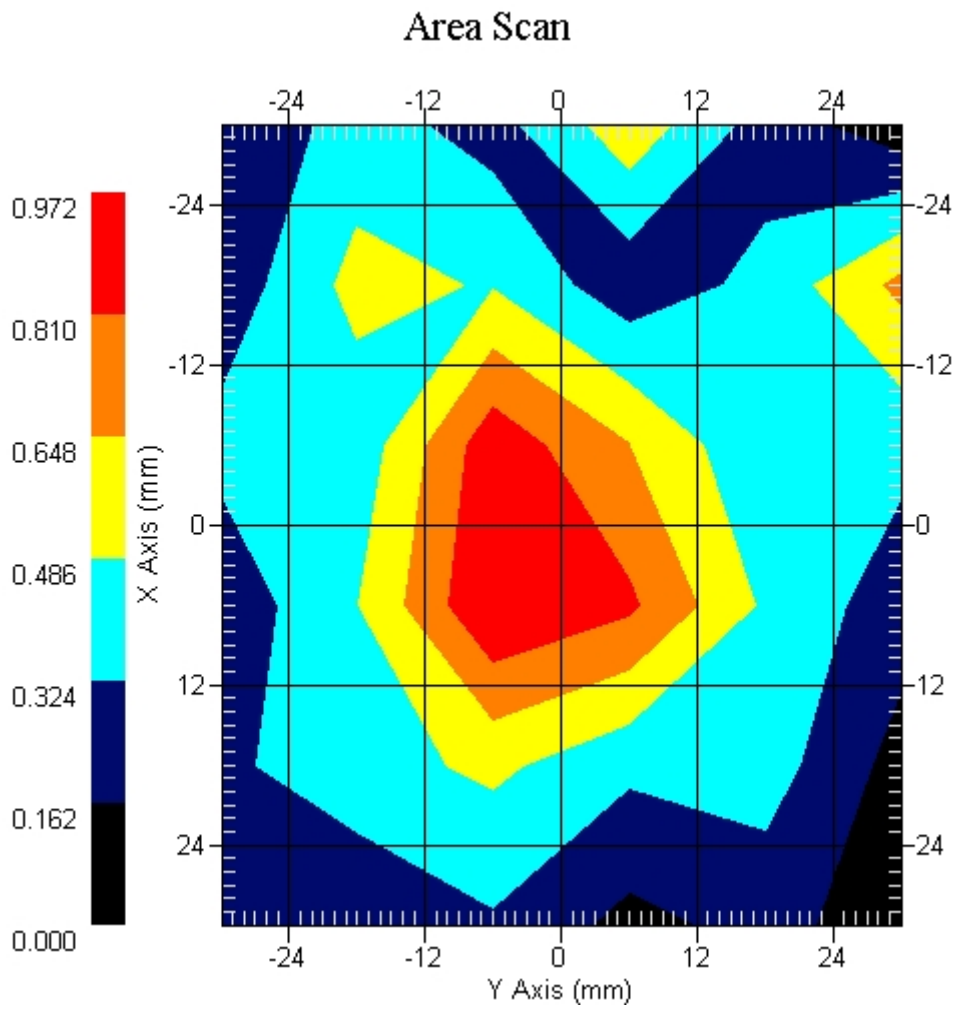
Measurement Data

Crest Factor : 1
 Tissue Temp. : 20.20 °C
 Ambient Temp. : 21.10 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.169 W/kg
 Power Drift-Finish: 0.171 W/kg
 Power Drift (%) : 1.183

DUT Position : Touch EUT Top
 Channel : 157



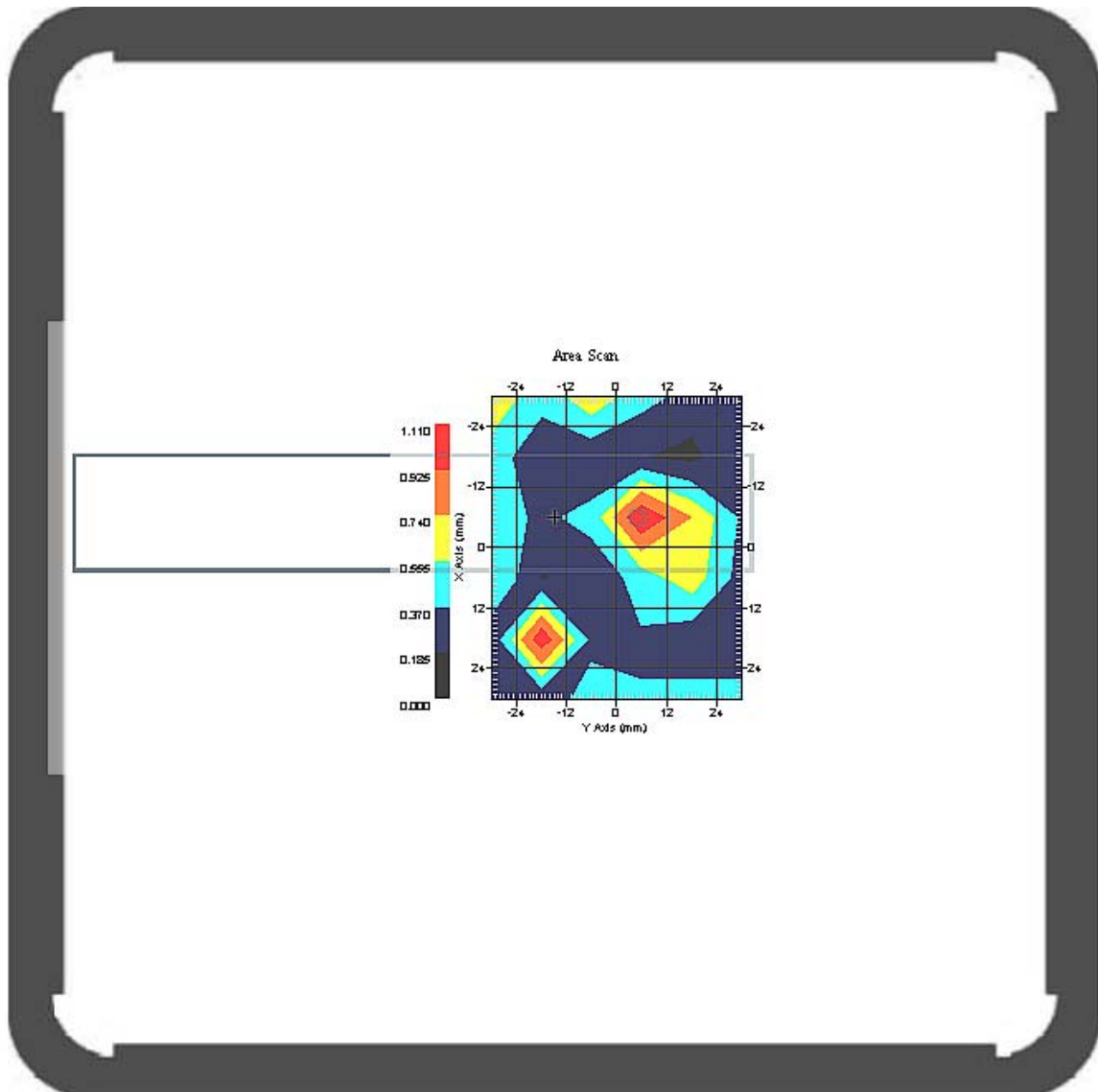
1 gram SAR value : 0.652 W/kg
 10 gram SAR value : 0.389 W/kg
 Area Scan Peak SAR : 0.770 W/kg
 Zoom Scan Peak SAR : 1.154 W/kg



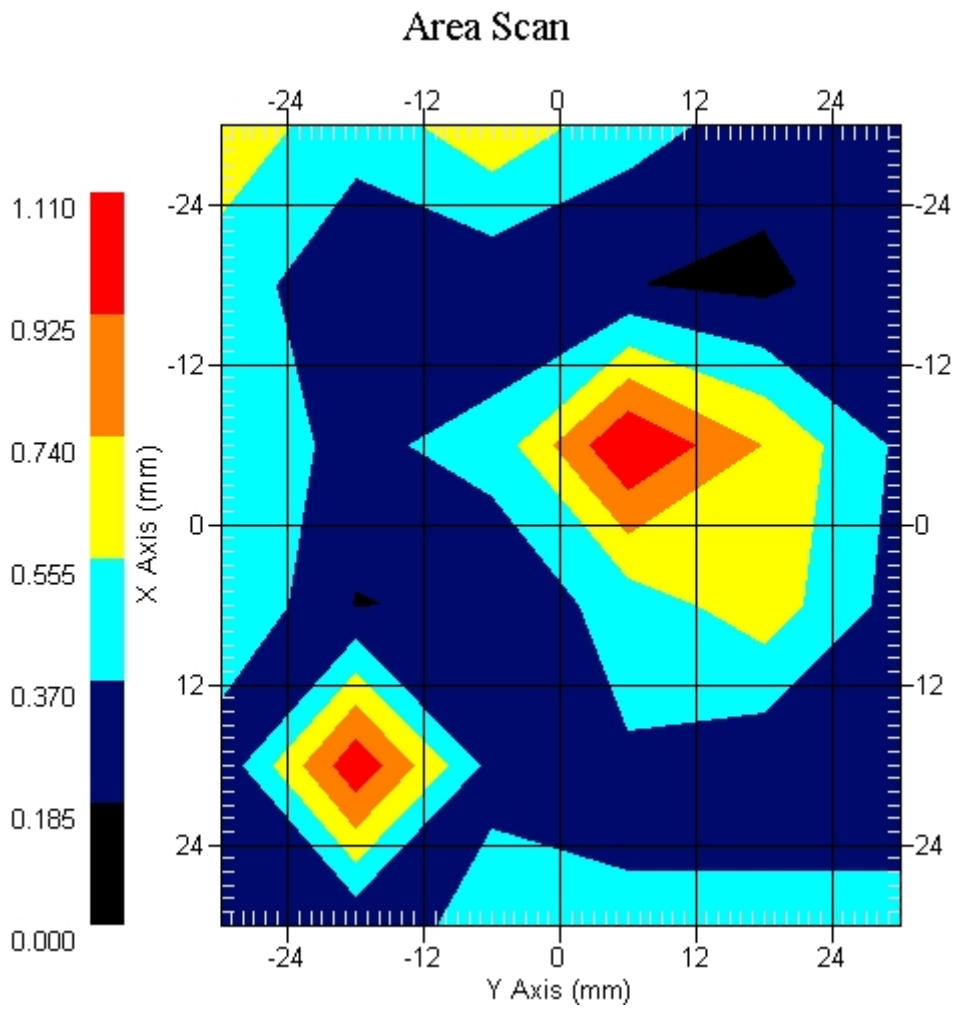
Measurement Data

Crest Factor : 1
 Tissue Temp. : 20.20 °C
 Ambient Temp. : 21.10 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.301 W/kg
 Power Drift-Finish: 0.307 W/kg
 Power Drift (%) : 1.993

DUT Position : Touch EUT Side
 Channel : 157



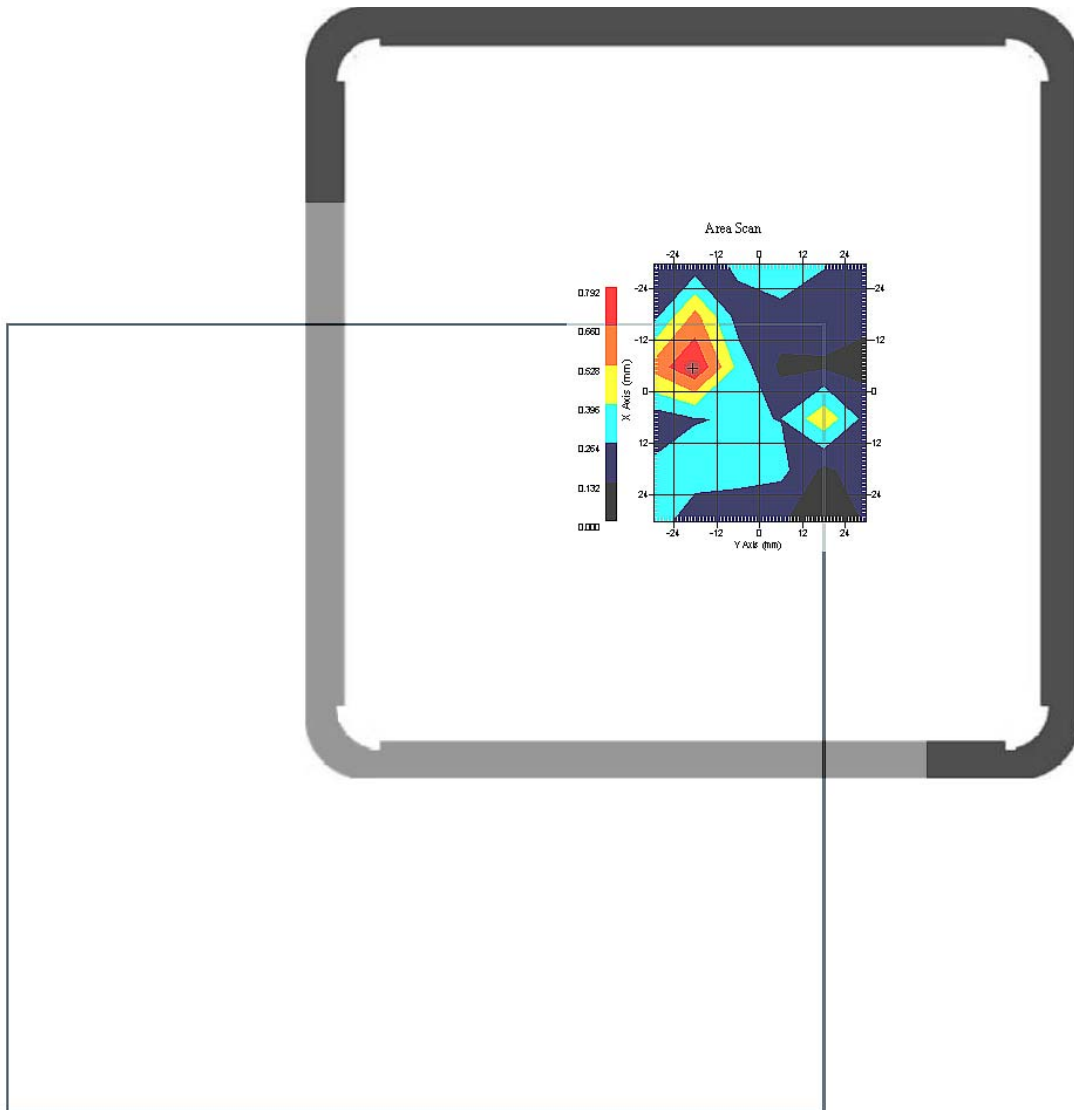
1 gram SAR value : 0.711 W/kg
 10 gram SAR value : 0.425 W/kg
 Area Scan Peak SAR : 0.754 W/kg
 Zoom Scan Peak SAR : 1.358 W/kg



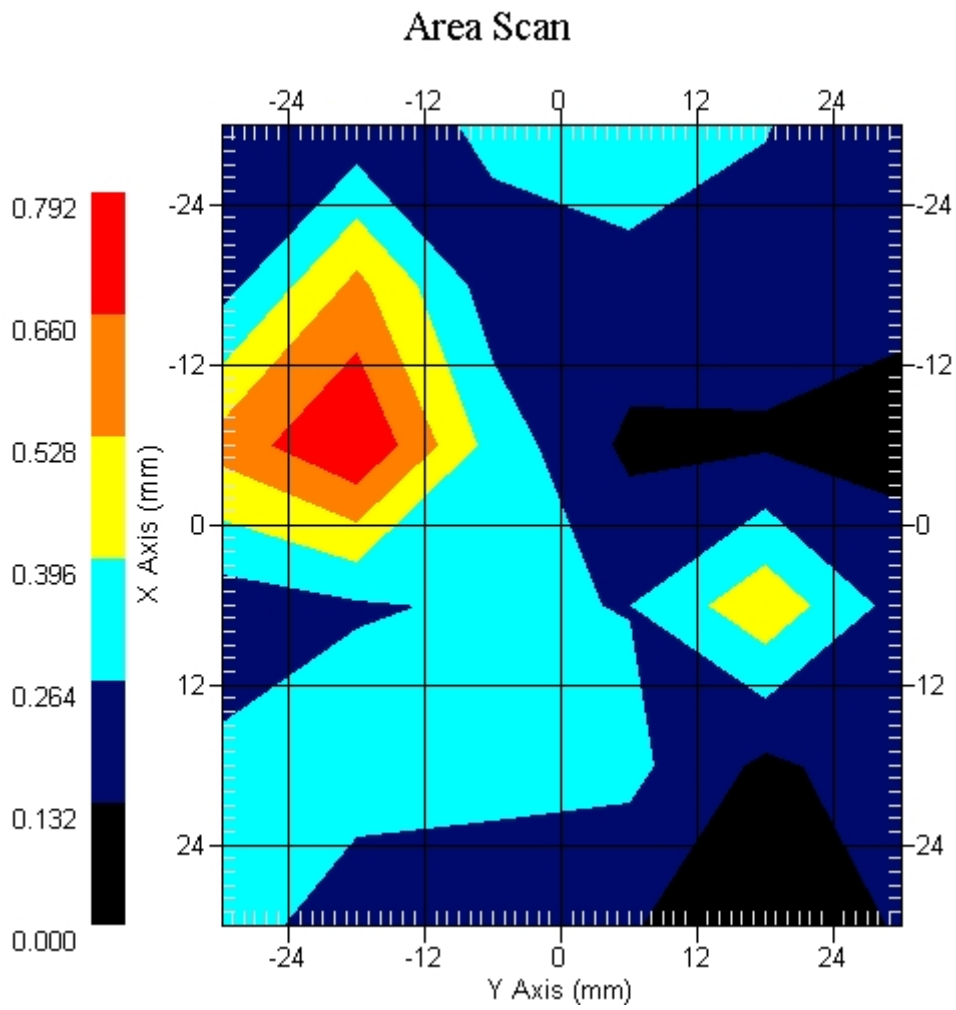
Measurement Data

Crest Factor : 1
 Tissue Temp. : 20.20 °C
 Ambient Temp. : 21.10 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.177 W/kg
 Power Drift-Finish: 0.181 W/kg
 Power Drift (%) : 2.259

DUT Position : Touch EUT Back
 Channel : 157



1 gram SAR value : 0.607 W/kg
 10 gram SAR value : 0.335 W/kg
 Area Scan Peak SAR : 0.725 W/kg
 Zoom Scan Peak SAR : 1.114 W/kg



ALSAS-10U VER 2.3.6 APREL Laboratories

SAR Test Report -802.11a(5.8GHz)-Tx2 Antenna

Report Date : 24-Jul-2008
Measurement Date : 24-Jul-2008

Product Data

Device Name : Tablet PC
Type : Other
Model : T10Y
Frequency : 5800.00 MHz
Drift Time : 0 min(s)
Length : 29 mm
Width : 170 mm
Depth : 260 mm
Antenna Type : Internal

Phantom Data

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

Tissue Data

Type : BODY
Serial No. : 327-B
Frequency : 5800.00 MHz
Last Calib. Date : 24-Jul-2008
Temperature : 20.40 °C
Ambient Temp. : 21.20 °C
Humidity : 49.00 RH%
Epsilon : 48.53 F/m
Sigma : 6.14 S/m
Density : 1000.00 kg/cu. m

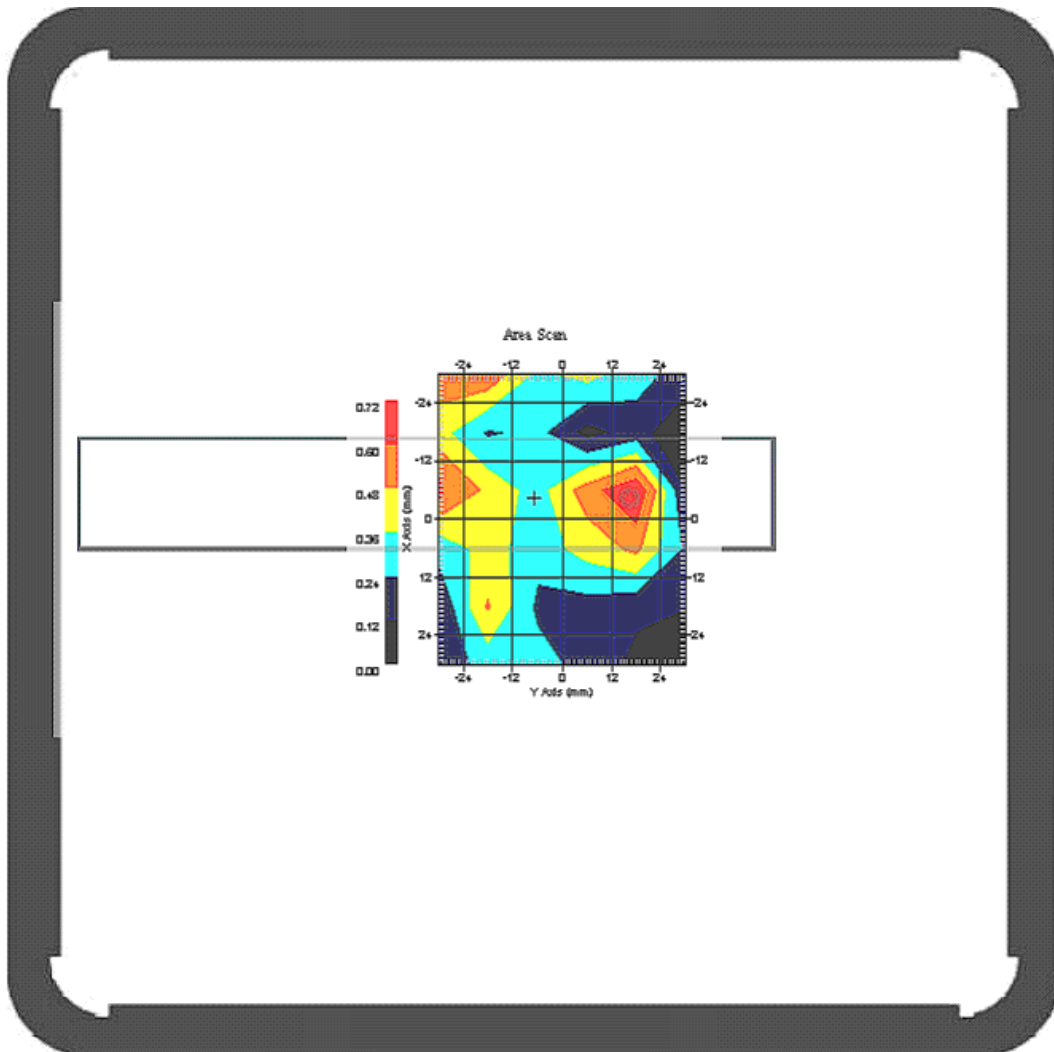
Probe Data

Name : Probe 265
Model : E020
Type : E-Field Triangle
Serial No. : 265
Last Calib. Date : 09-May-2007
Frequency : 5800.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.9
Probe Sensitivity: 1.2 1.2 1.2 $\mu\text{V}/(\text{V}/\text{m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

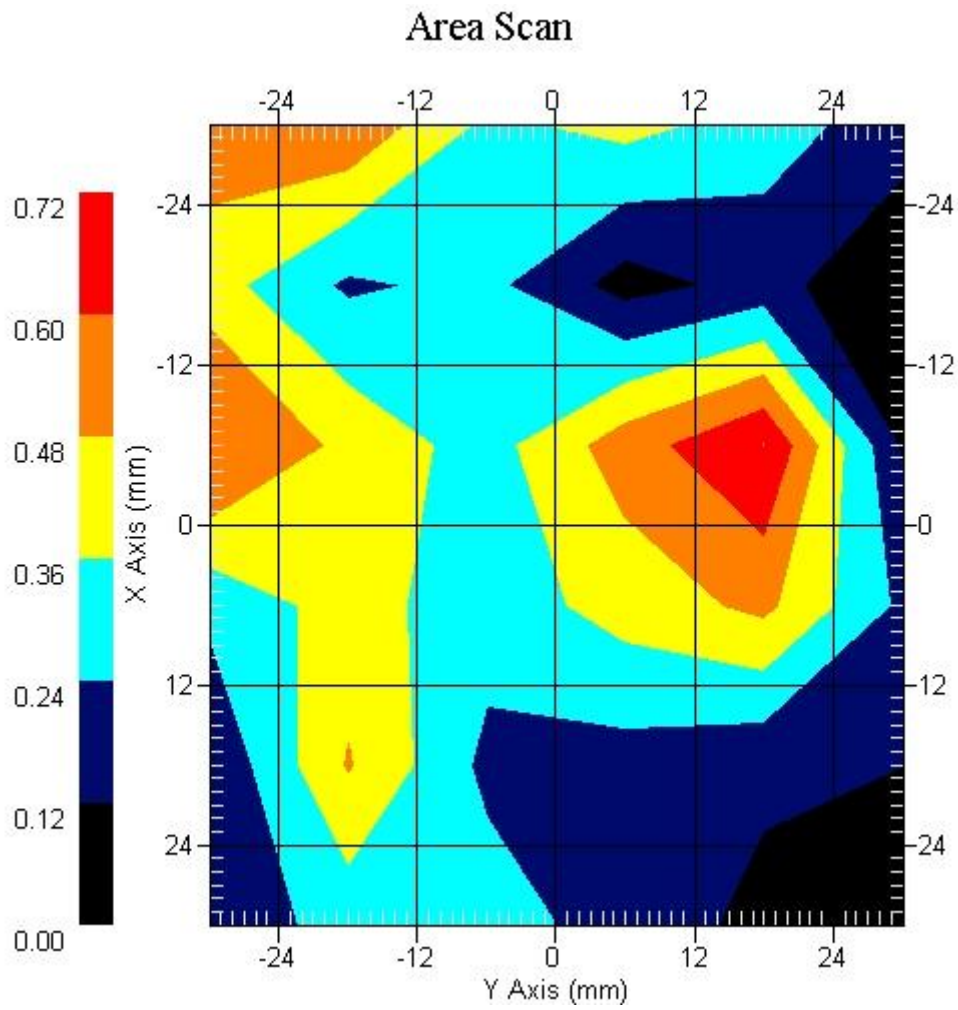
Measurement Data

Crest Factor : 1
 Tissue Temp. : 20.20 °C
 Ambient Temp. : 21.10 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.150 W/kg
 Power Drift-Finish: 0.154 W/kg
 Power Drift (%) : 2.666

DUT Position : Touch EUT Top
 Channel : 157



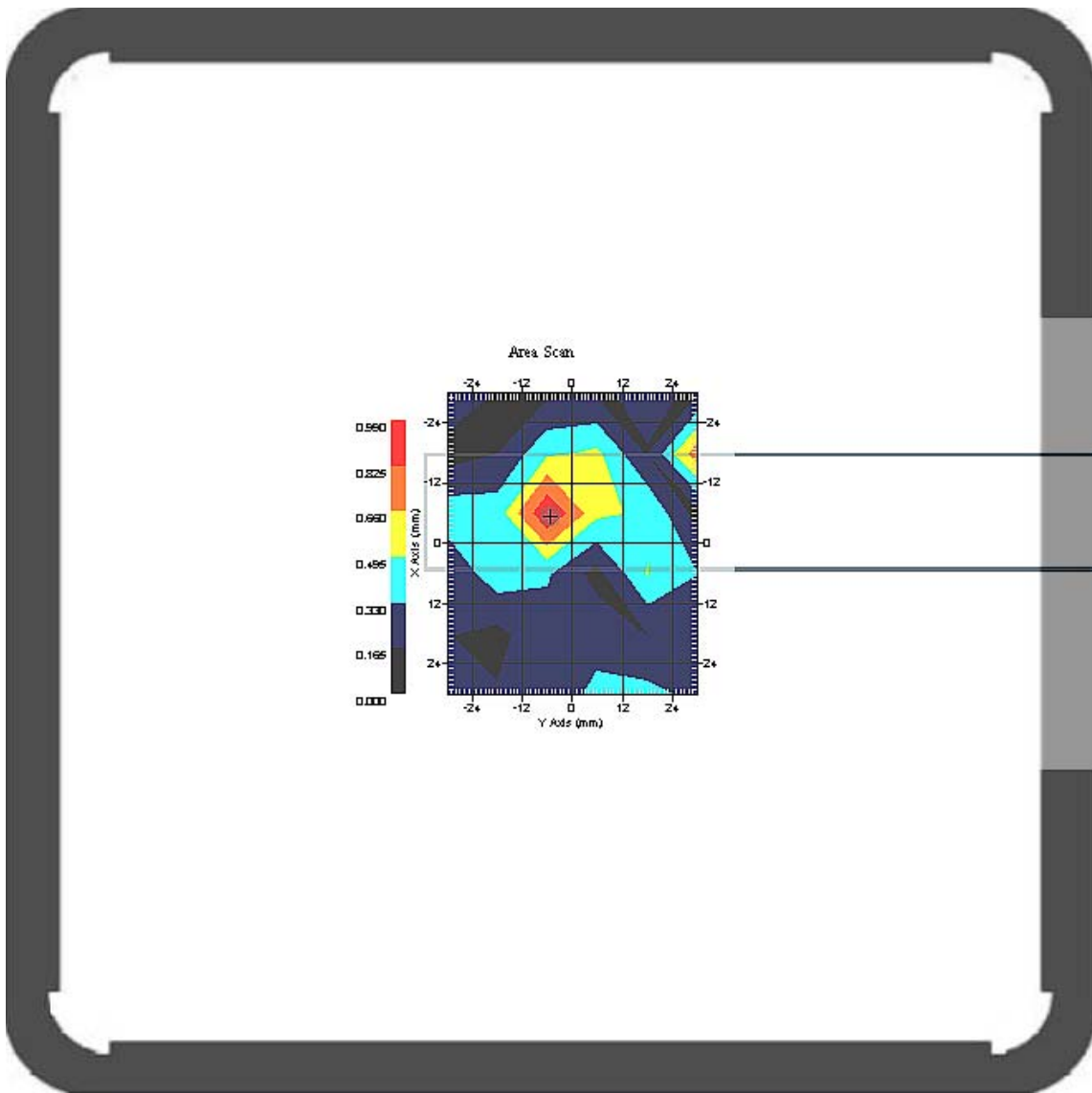
1 gram SAR value : 0.658 W/kg
 10 gram SAR value : 0.379 W/kg
 Area Scan Peak SAR : 0.720 W/kg
 Zoom Scan Peak SAR : 1.250 W/kg



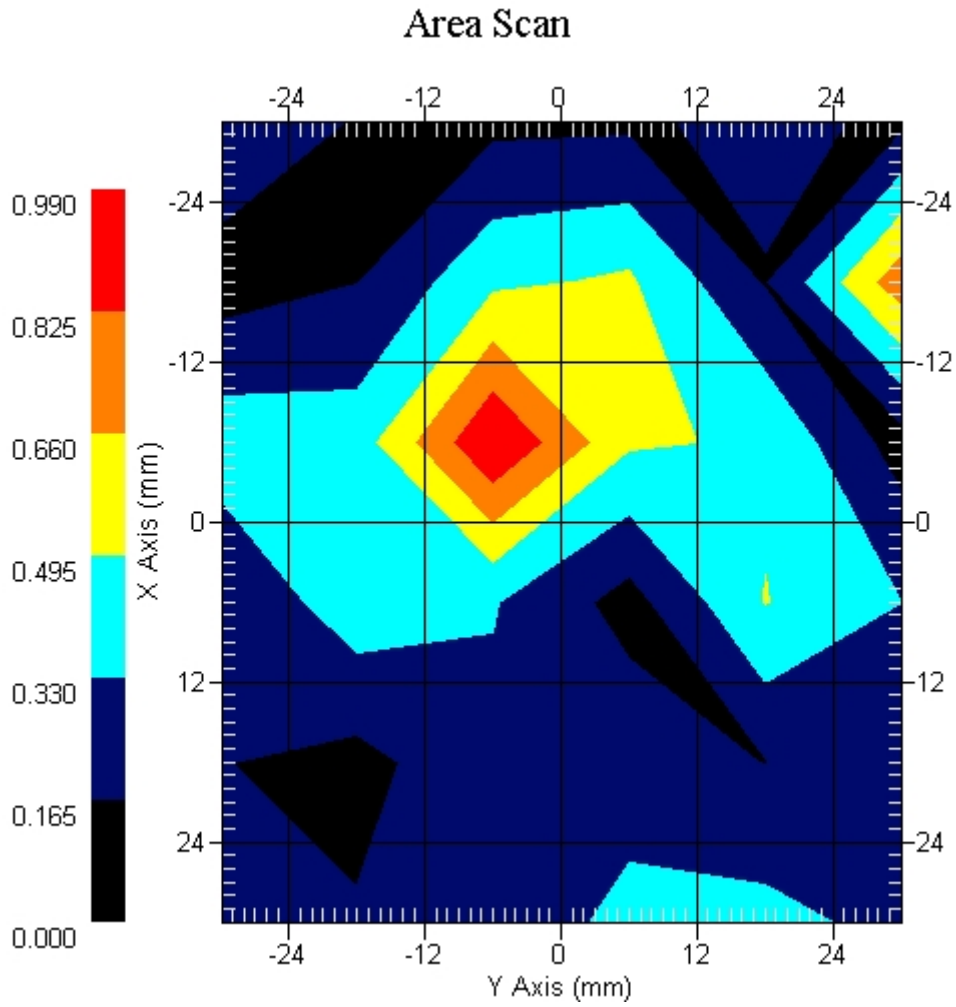
Measurement Data

Crest Factor : 1
 Tissue Temp. : 20.20 °C
 Ambient Temp. : 21.10 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.295 W/kg
 Power Drift-Finish: 0.289 W/kg
 Power Drift (%) : -2.076

DUT Position : Touch EUT Side
 Channel : 149



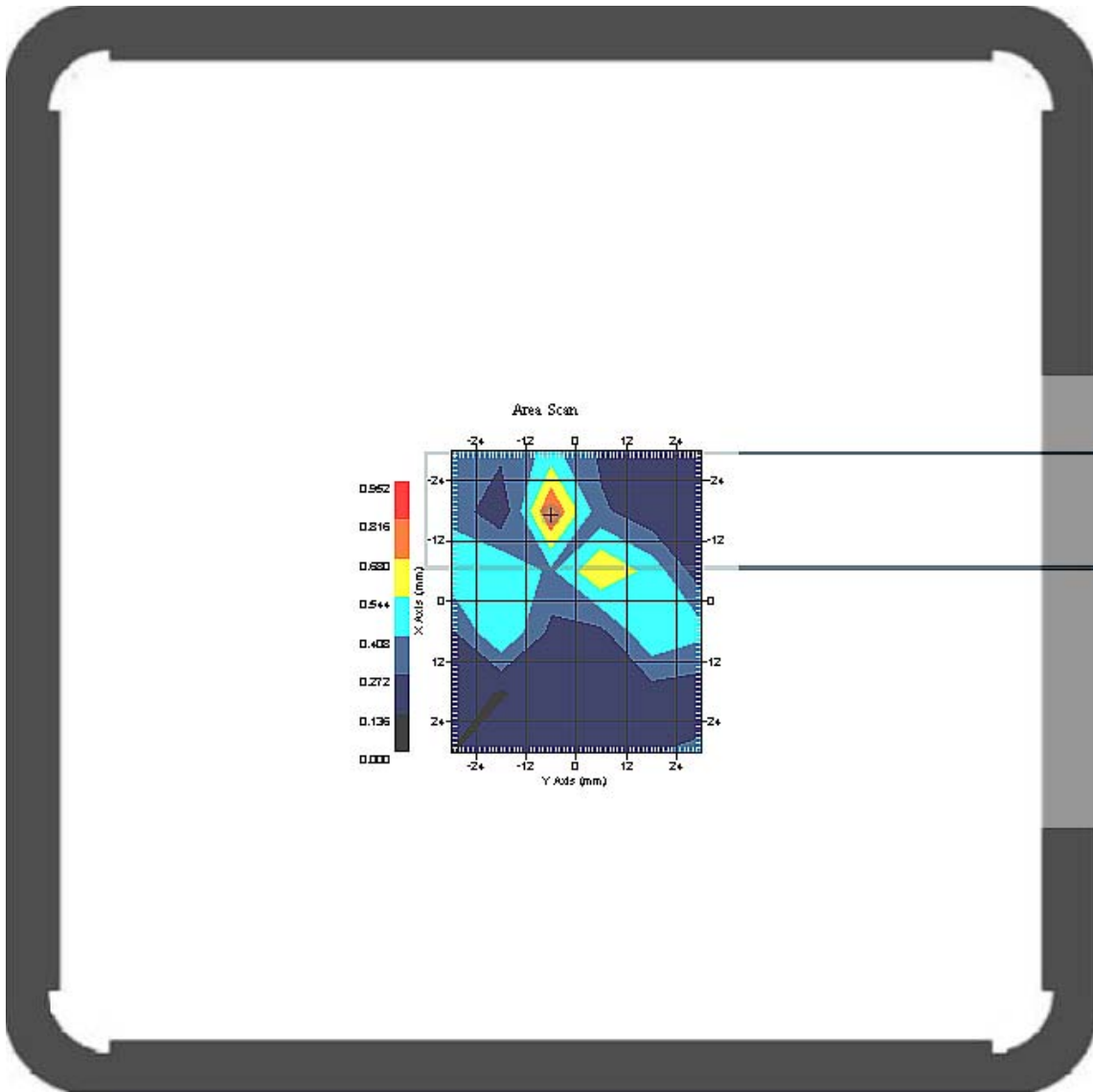
1 gram SAR value : 0.934 W/kg
 10 gram SAR value : 0.646 W/kg
 Area Scan Peak SAR : 0.990 W/kg
 Zoom Scan Peak SAR : 1.822 W/kg



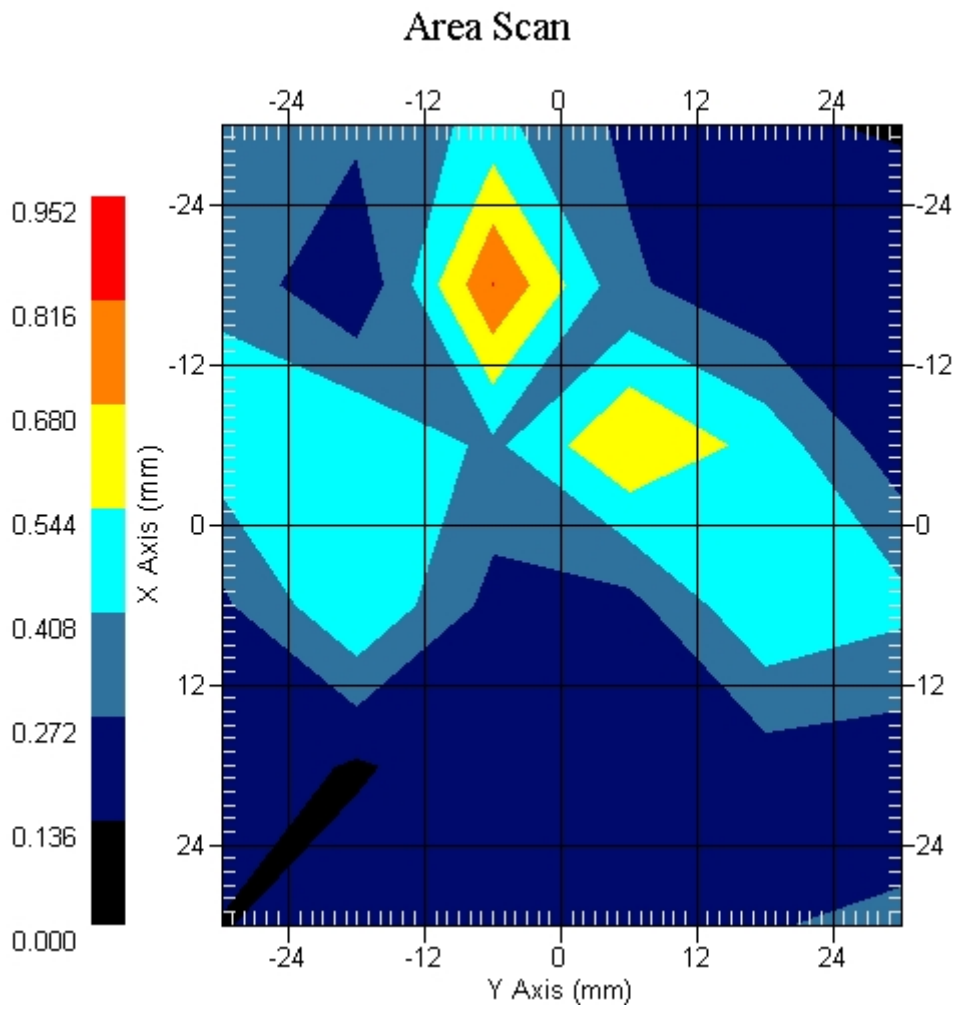
Measurement Data

Crest Factor : 1
 Tissue Temp. : 20.20 °C
 Ambient Temp. : 21.10 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.324 W/kg
 Power Drift-Finish: 0.316 W/kg
 Power Drift (%) : -2.469

DUT Position : Touch
 Channel : 157



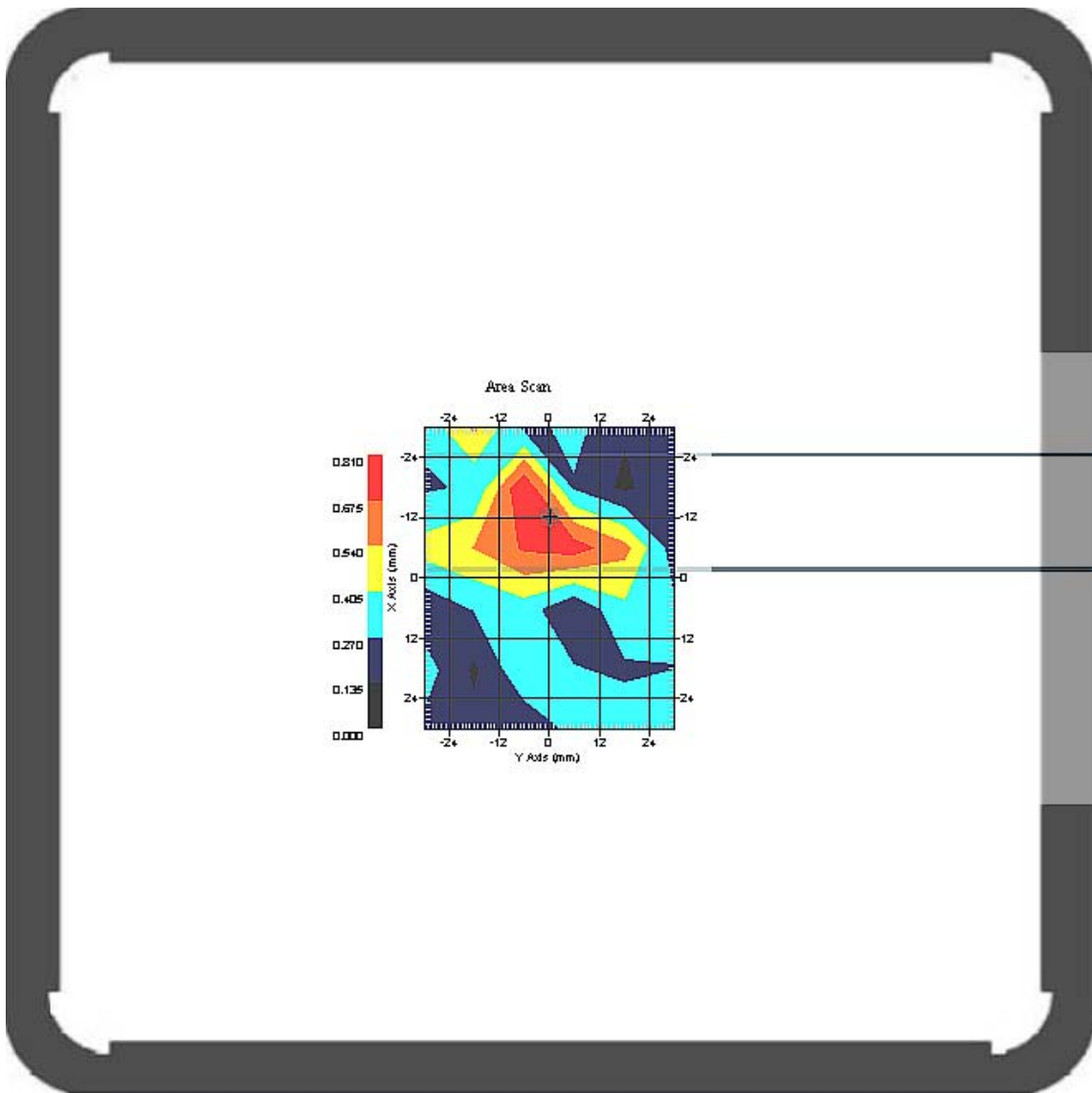
1 gram SAR value : 0.765 W/kg
 10 gram SAR value : 0.484 W/kg
 Area Scan Peak SAR : 0.817 W/kg
 Zoom Scan Peak SAR : 1.460 W/kg



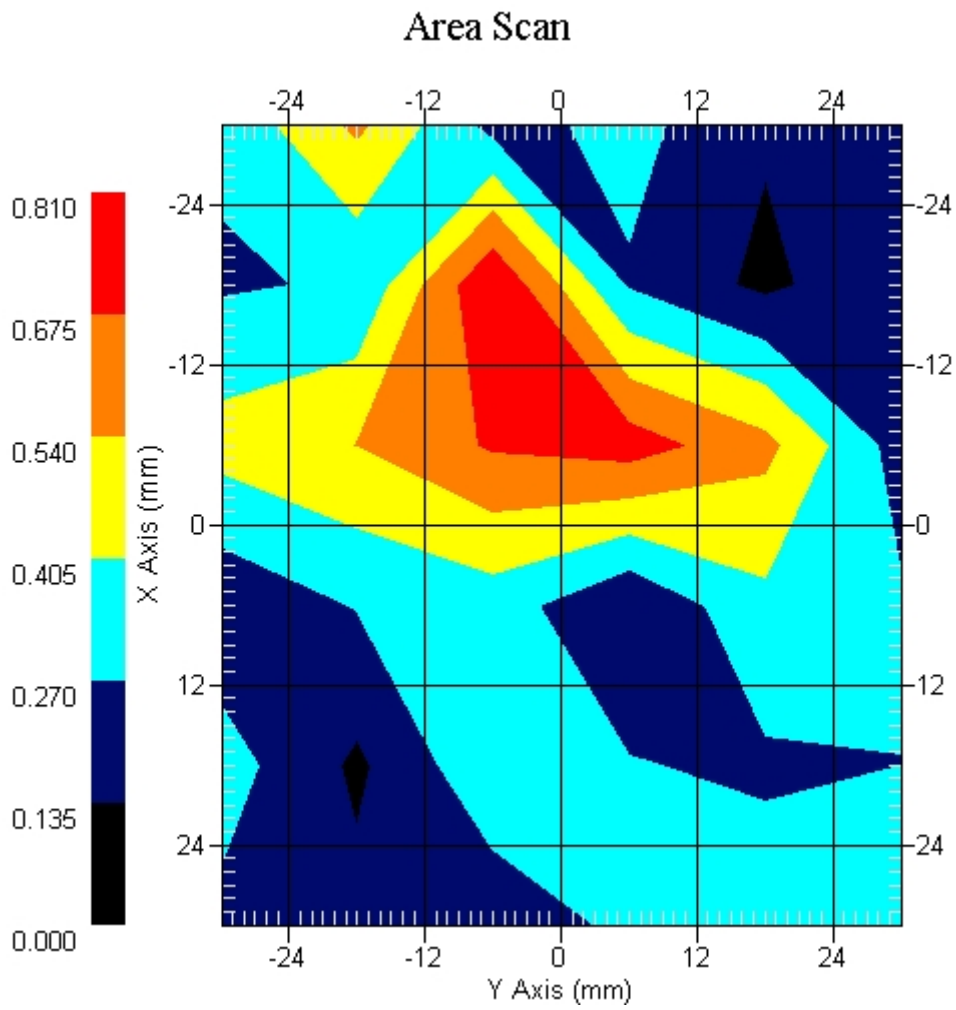
Measurement Data

Crest Factor : 1
Tissue Temp. : 20.20 °C
Ambient Temp. : 21.10 °C
Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
Power Drift-Start : 0.297 W/kg
Power Drift-Finish: 0.308 W/kg
Power Drift (%) : 3.703

DUT Position : Touch EUT Side
Channel : 165



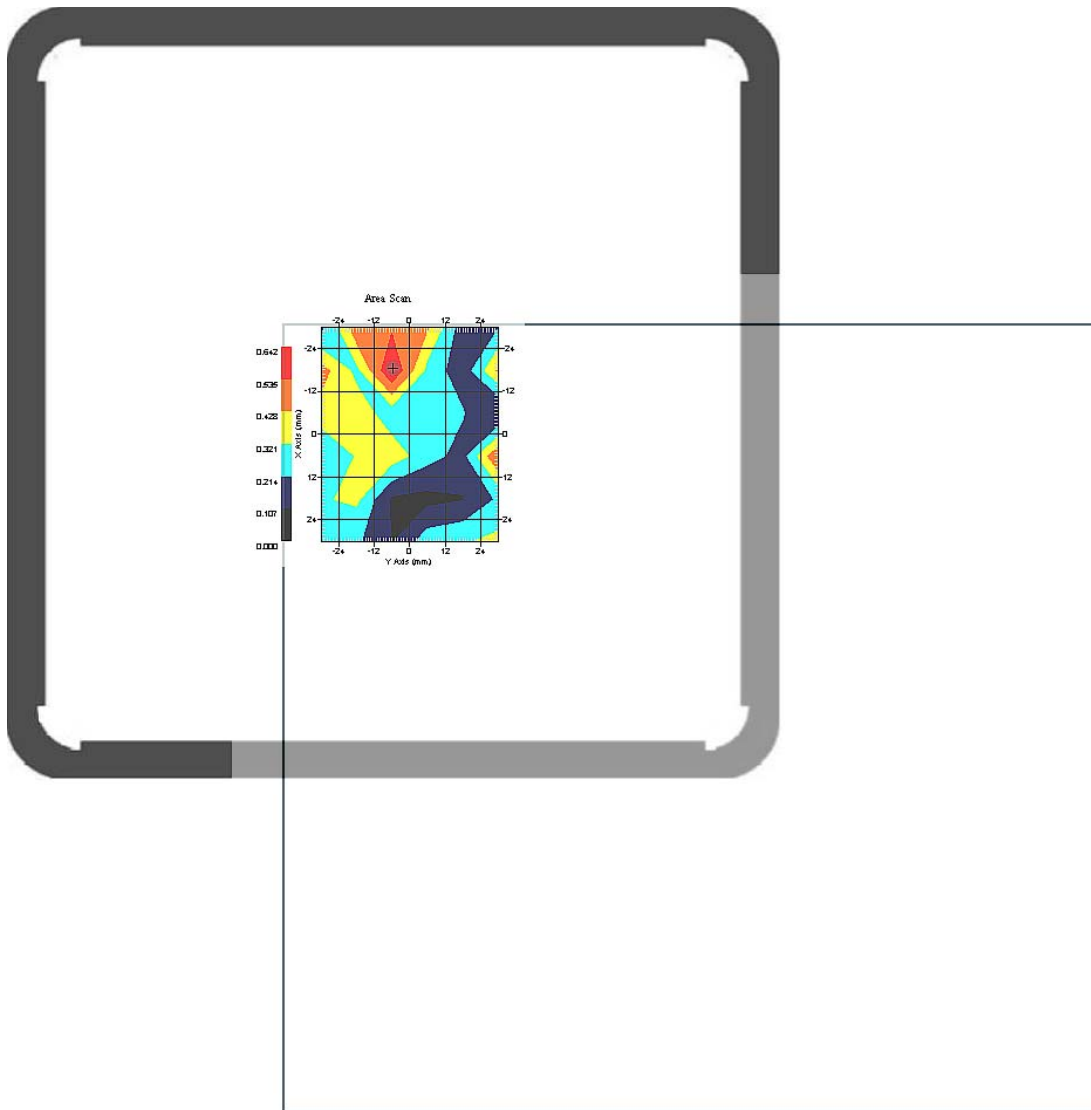
1 gram SAR value : 0.734 W/kg
10 gram SAR value : 0.471 W/kg
Area Scan Peak SAR : 0.808 W/kg
Zoom Scan Peak SAR : 1.401 W/kg



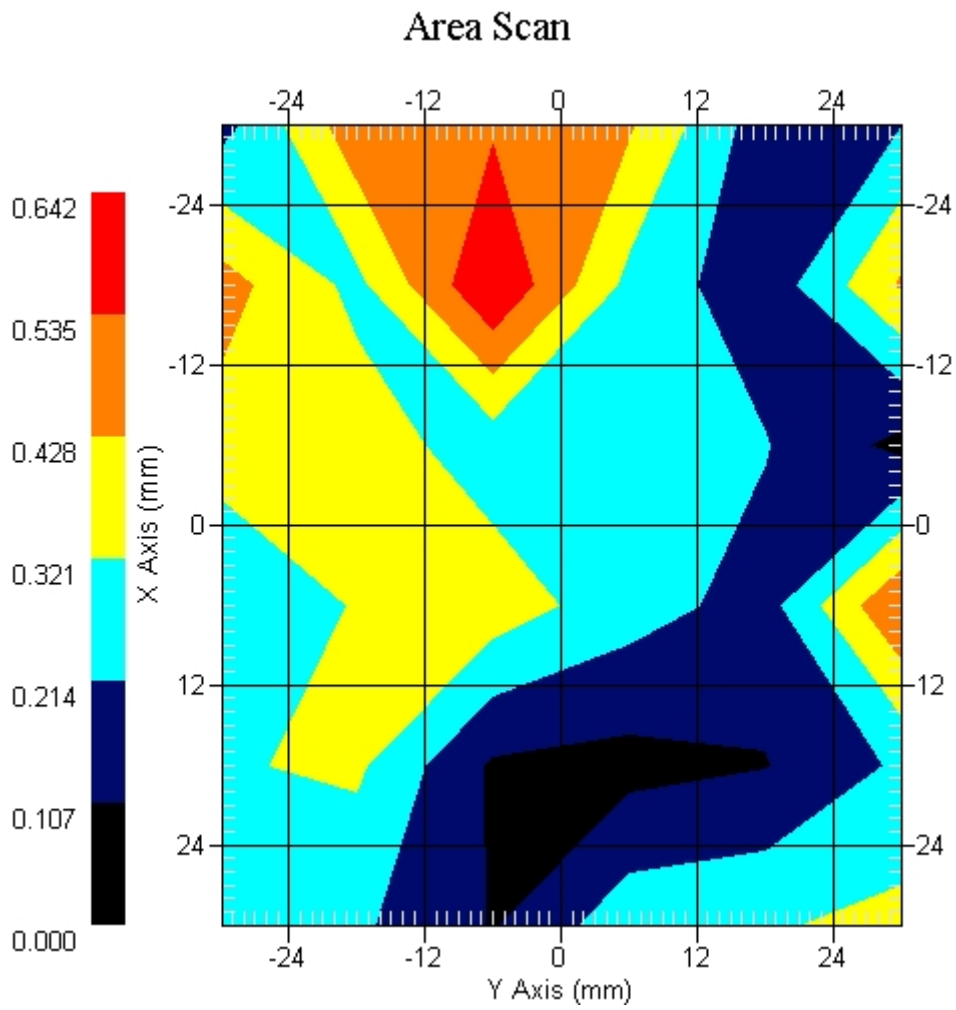
Measurement Data

Crest Factor : 1
Tissue Temp. : 20.20 °C
Ambient Temp. : 21.10 °C
Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
Power Drift-Start : 0.141 W/kg
Power Drift-Finish: 0.139 W/kg
Power Drift (%) : -1.418

DUT Position : Touch EUT Back
Channel : 157



1 gram SAR value : 0.524 W/kg
10 gram SAR value : 0.269 W/kg
Area Scan Peak SAR : 0.640 W/kg
Zoom Scan Peak SAR : 0.978 W/kg



ALSAS-10U VER 2.3.6 APREL Laboratories
SAR Test Report -802.11n HT8(20MHz)-Tx2 Antenna

Report Date : 24-Jul-2008
Measurement Date : 24-Jul-2008

Product Data

Device Name : Tablet PC
Type : Other
Model : T10Y
Frequency : 5800.00 MHz
Drift Time : 0 min(s)
Length : 29 mm
Width : 260 mm
Depth : 270 mm
Antenna Type : Internal

Phantom Data

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

Tissue Data

Type : BODY
Serial No. : 327-B
Frequency : 5800.00 MHz
Last Calib. Date : 24-Jul-2008
Temperature : 20.40 °C
Ambient Temp. : 21.20 °C
Humidity : 49.00 RH%
Epsilon : 48.53 F/m
Sigma : 6.14 S/m
Density : 1000.00 kg/cu. m

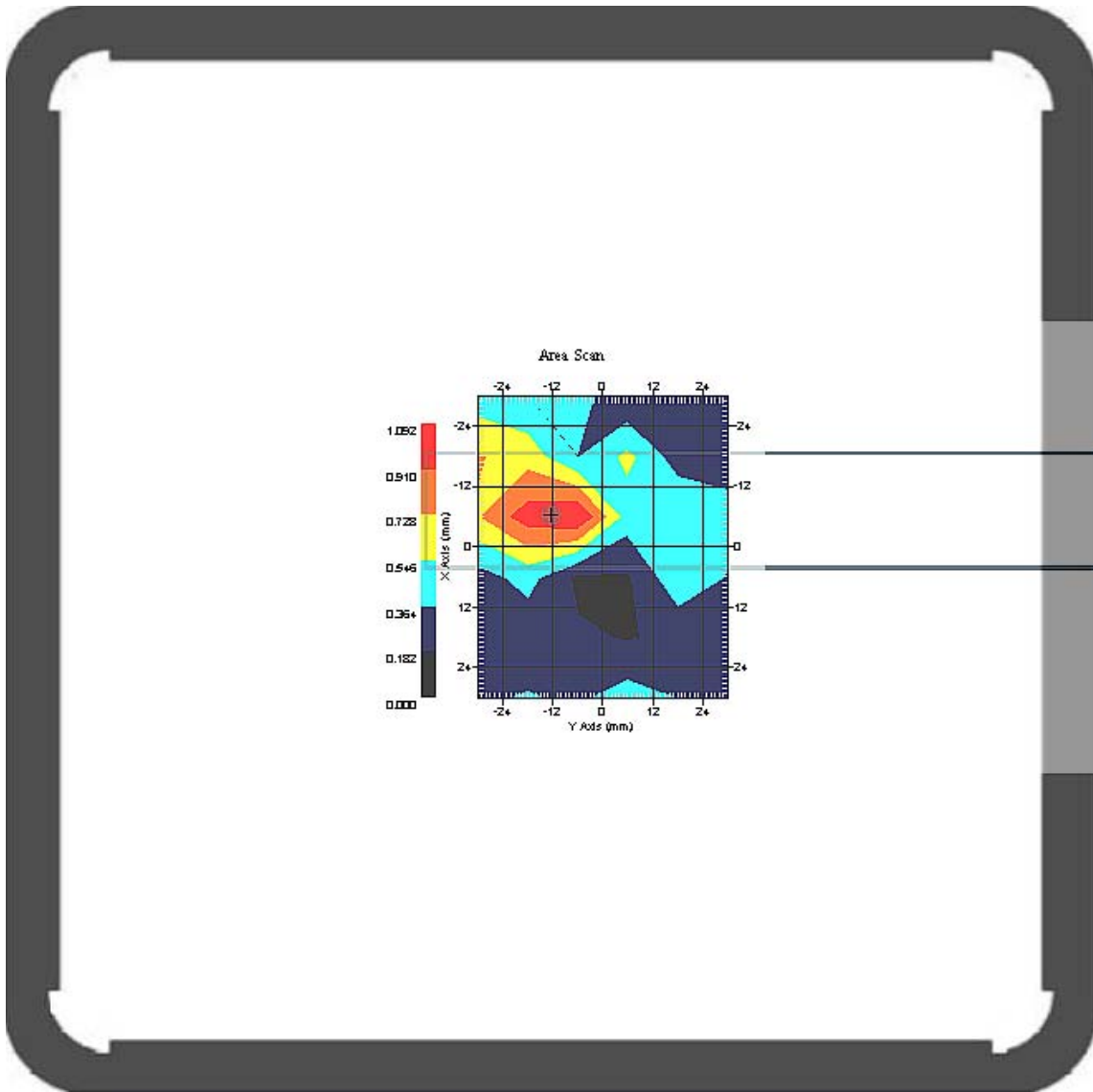
Probe Data

Name : Probe 265
Model : E020
Type : E-Field Triangle
Serial No. : 265
Last Calib. Date : 09-May-2007
Frequency : 5800.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.9
Probe Sensitivity: 1.2 1.2 1.2 $\mu\text{V}/(\text{V}/\text{m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

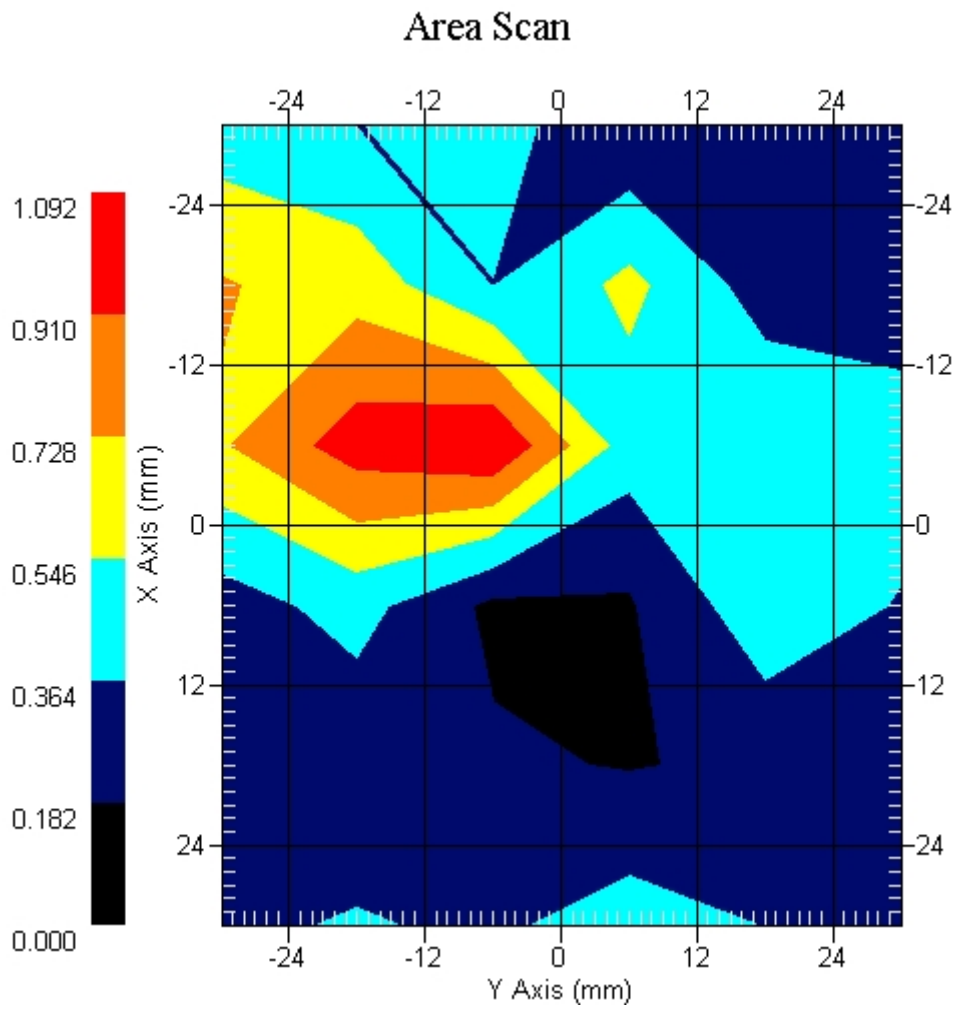
Measurement Data

Crest Factor : 1
 Tissue Temp. : 20.20 °C
 Ambient Temp. : 21.10 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.304 W/kg
 Power Drift-Finish: 0.306 W/kg
 Power Drift (%) : 0.657

DUT Position : Touch EUT Side
 Channel : 149



1 gram SAR value : 1.024 W/kg
 10 gram SAR value : 0.748 W/kg
 Area Scan Peak SAR : 1.090 W/kg
 Zoom Scan Peak SAR : 1.988 W/kg



ALSAS-10U VER 2.3.6 APREL Laboratories
SAR Test Report -802.11n HT8(40MHz)-Tx2 Antenna

Report Date : 24-Jul-2008
Measurement Date : 24-Jul-2008

Product Data

Device Name : Tablet PC
Type : Other
Model : T10Y
Frequency : 5800.00 MHz
Drift Time : 0 min(s)
Length : 29 mm
Width : 260 mm
Depth : 270 mm
Antenna Type : Internal

Phantom Data

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

Tissue Data

Type : BODY
Serial No. : 327-B
Frequency : 5800.00 MHz
Last Calib. Date : 24-Jul-2008
Temperature : 20.40 °C
Ambient Temp. : 21.20 °C
Humidity : 49.00 RH%
Epsilon : 48.53 F/m
Sigma : 6.14 S/m
Density : 1000.00 kg/cu. m

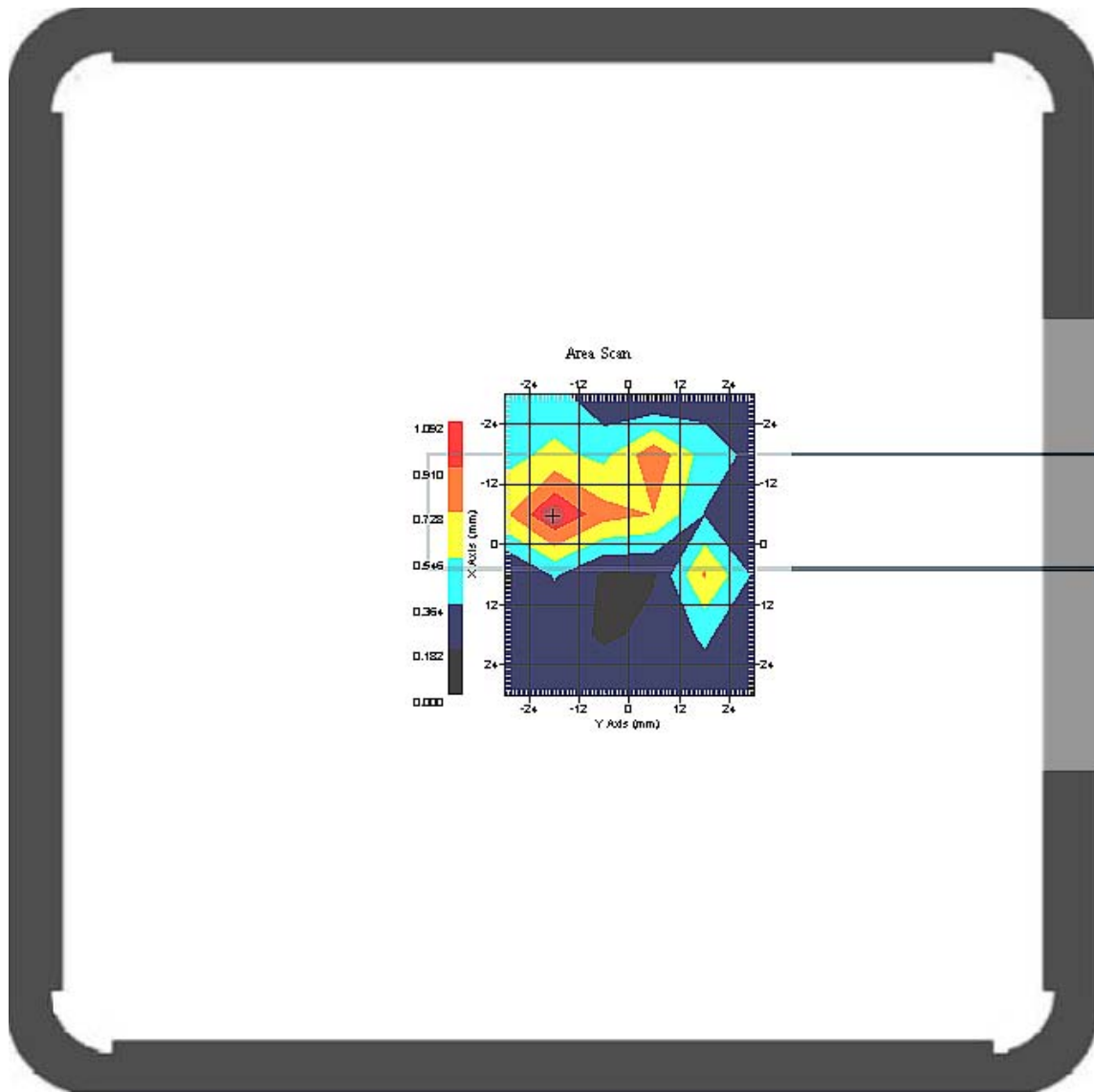
Probe Data

Name : Probe 265
Model : E020
Type : E-Field Triangle
Serial No. : 265
Last Calib. Date : 09-May-2007
Frequency : 5800.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 3.9
Probe Sensitivity: 1.2 1.2 1.2 $\mu\text{V}/(\text{V}/\text{m})^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

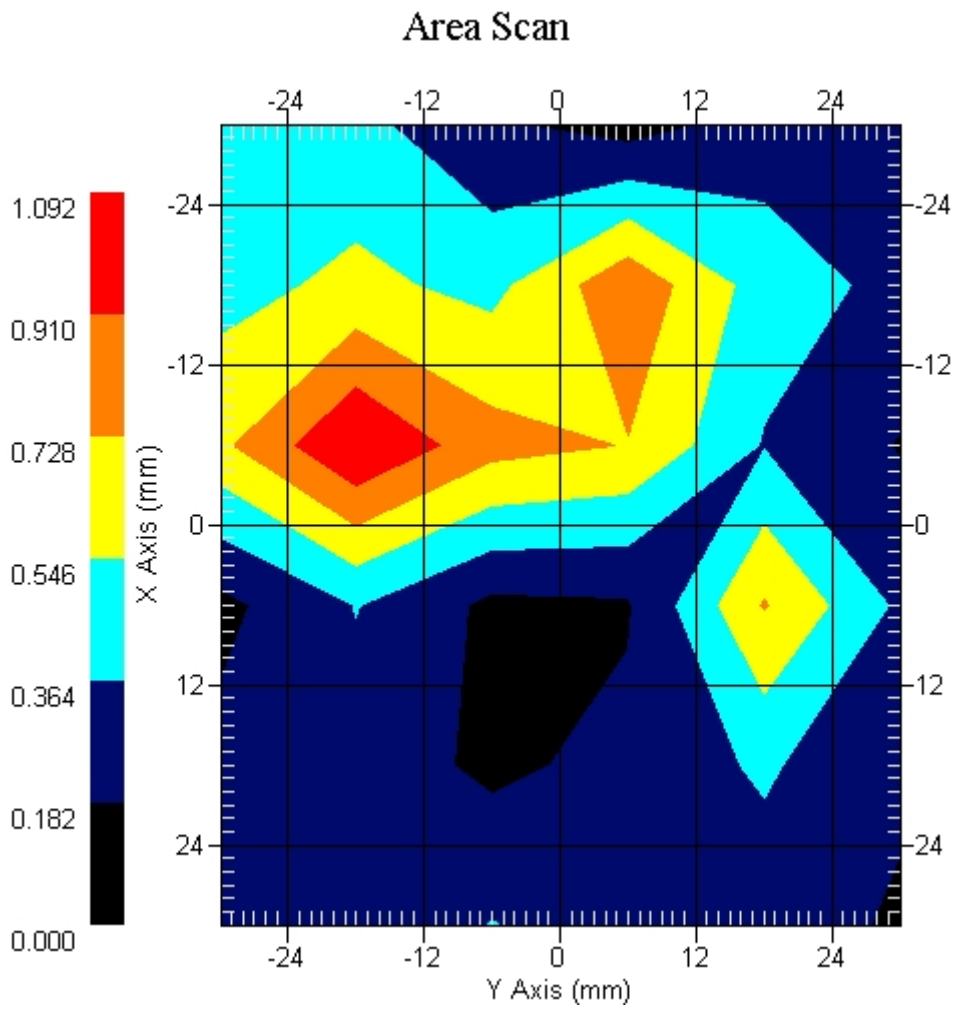
Measurement Data

Crest Factor : 1
 Tissue Temp. : 20.20 °C
 Ambient Temp. : 21.10 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm
 Power Drift-Start : 0.322 W/kg
 Power Drift-Finish: 0.309 W/kg
 Power Drift (%) : -4.037

DUT Position : Touch EUT Side
 Channel : 151

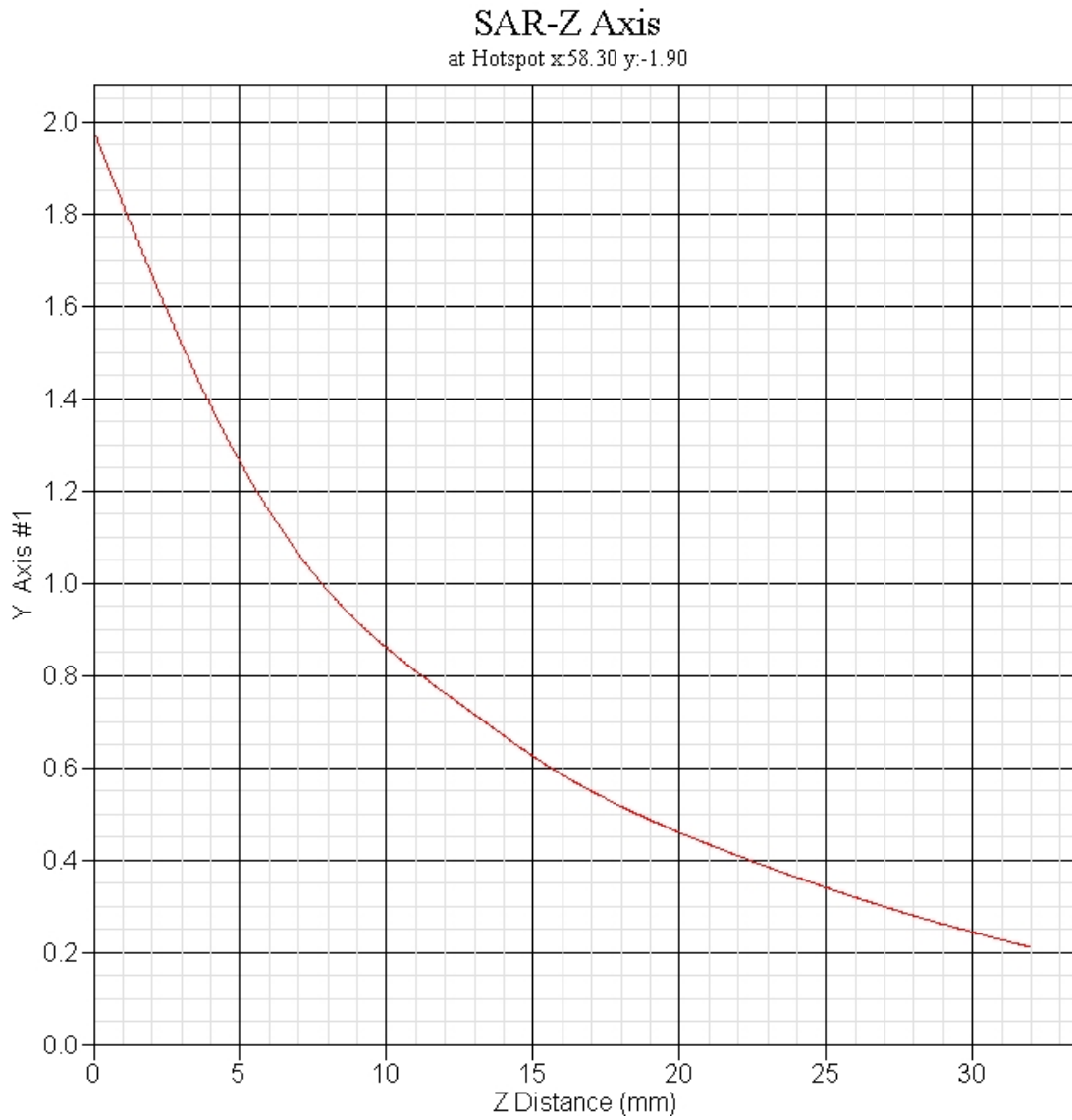


1 gram SAR value : 1.027 W/kg
 10 gram SAR value : 0.749 W/kg
 Area Scan Peak SAR : 1.090 W/kg
 Zoom Scan Peak SAR : 1.972 W/kg



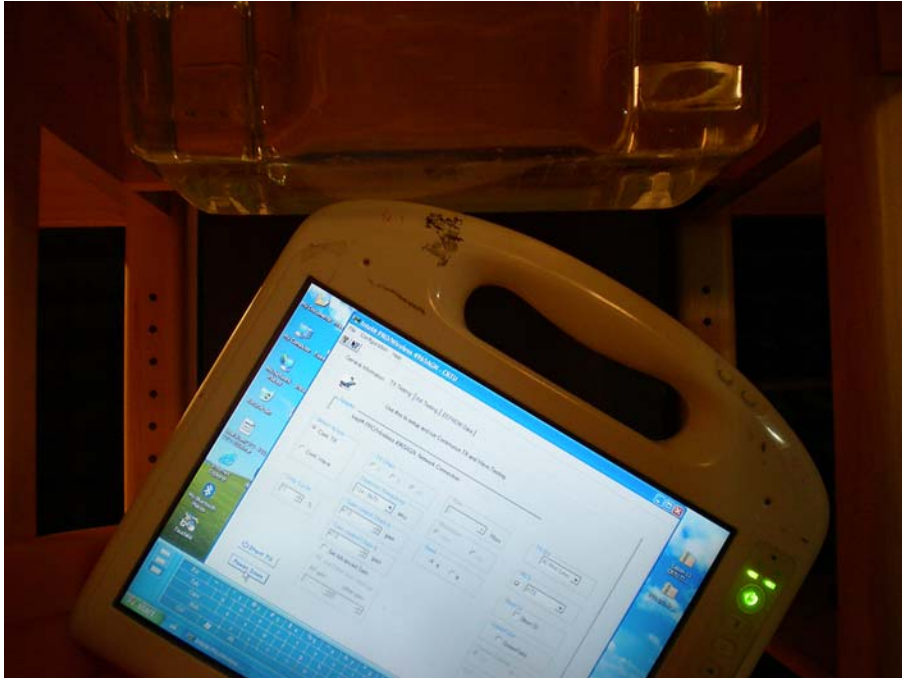
802.11n HT8(40MHz)-Tx2 Antenna EUT Side, Z-Axis plot

channel: 151



Appendix C. Test Setup Photographs & EUT Photographs
Test Setup Photographs

EUT Top- Tx1 Antenna



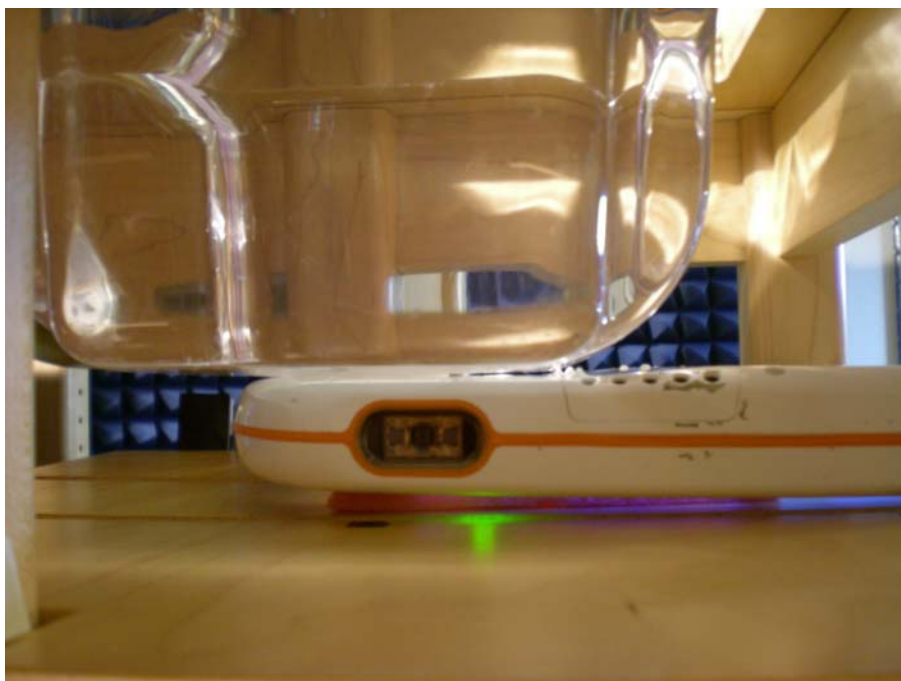
EUT Top- Tx2 Antenna



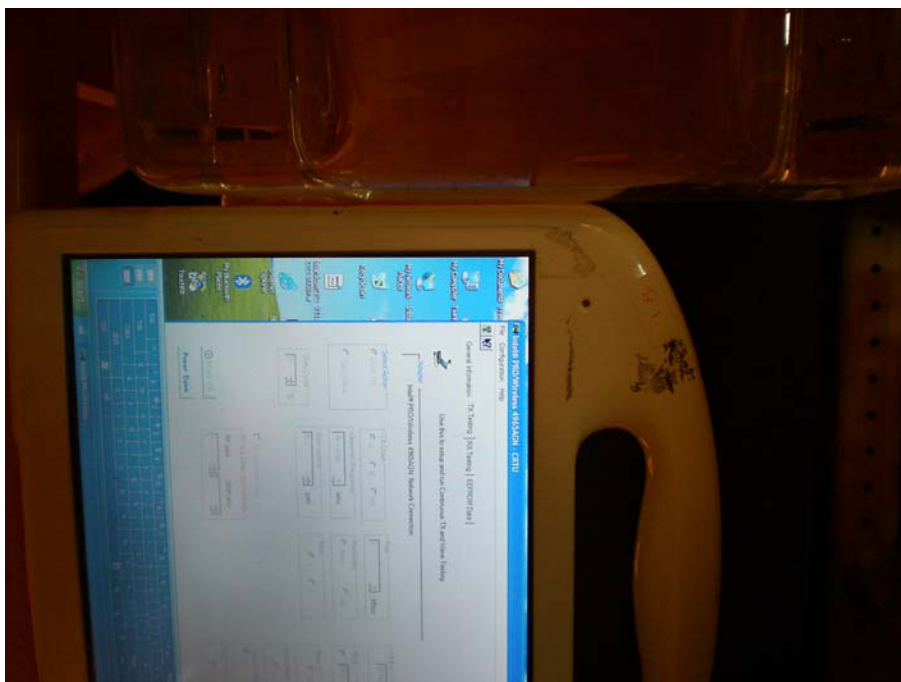
EUT Back- Tx1 Antenna



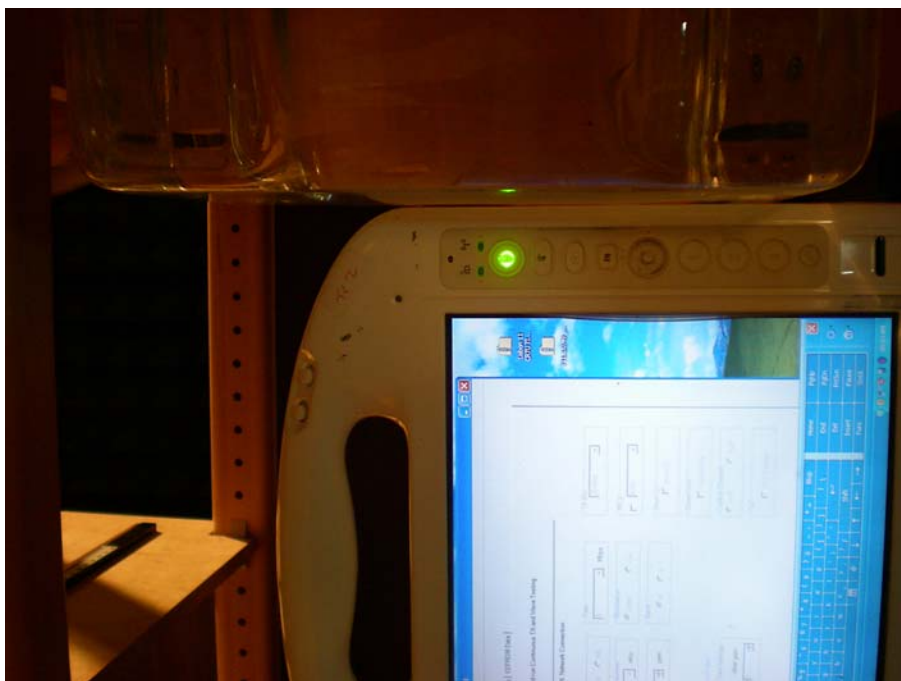
EUT Back- Tx2 Antenna



EUT Side- Tx1 Antenna



EUT Side- Tx2 Antenna



Note: The positions used in the measurements were according to IEEE 1528-2003.

Test EUT Photographs



