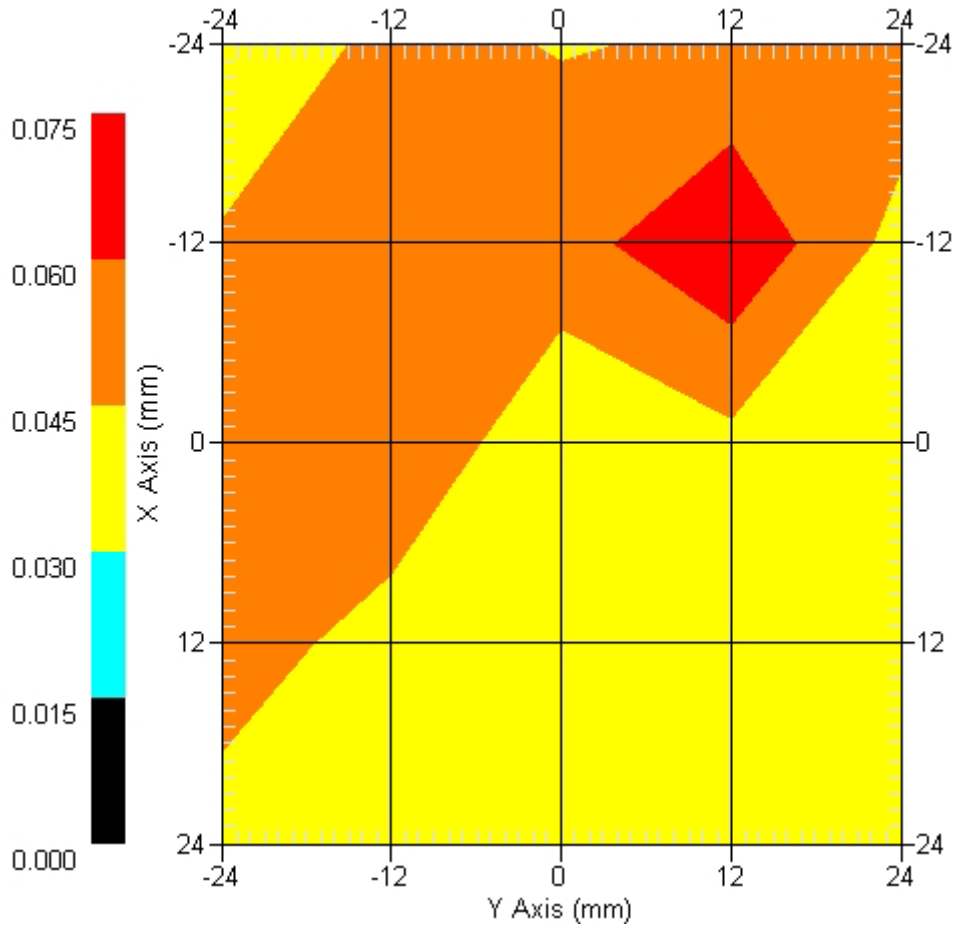


Area Scan



ALSAS-10U VER 2.3.2 APREL Laboratories
SAR Test Report –WCDMA850(HSDPA) & 802.11a TX on

Report Date : 05-Dec-2007
Measurement Date : 05-Dec-2007

Product Data

Device Name : Notebook PC
Type : Other
Model : 8212
Frequency : 850.00 MHz
Drift Time : 0 min(s)
Length : 294 mm
Width : 207 mm
Depth : 207 mm
Antenna Type : Internal

Phantom Data

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

Tissue Data

Type : BODY
Serial No. : 322-B
Frequency : 835.00 MHz
Last Calib. Date : 05-Dec-2007
Temperature : 21.30 °C
Ambient Temp. : 22.10 °C
Humidity : 49.00 RH%
Epsilon : 53.42 F/m
Sigma : 0.961 S/m
Density : 1000.00 kg/cu. m

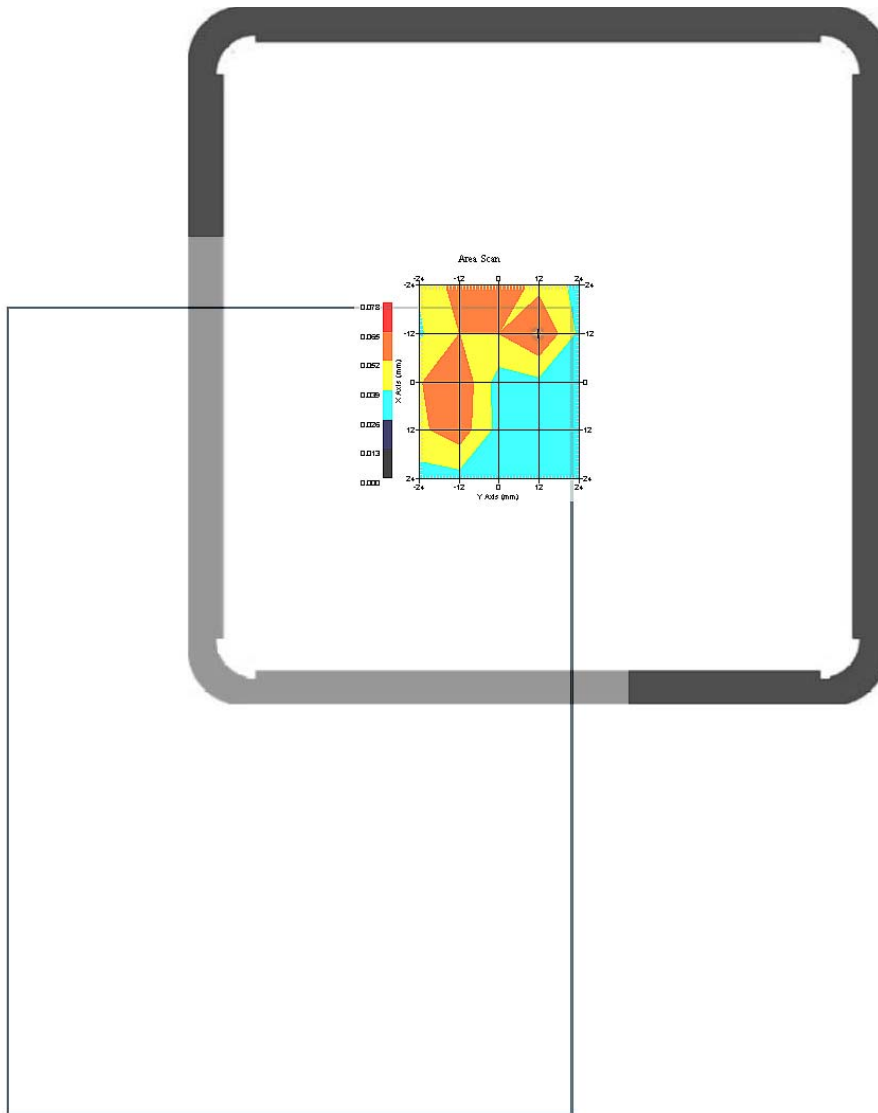
Probe Data

Name : Probe 264
Model : E020
Type : E-Field Triangle
Serial No. : 264
Last Calib. Date : 20-Aug-2007
Frequency : 835.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 6.8
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

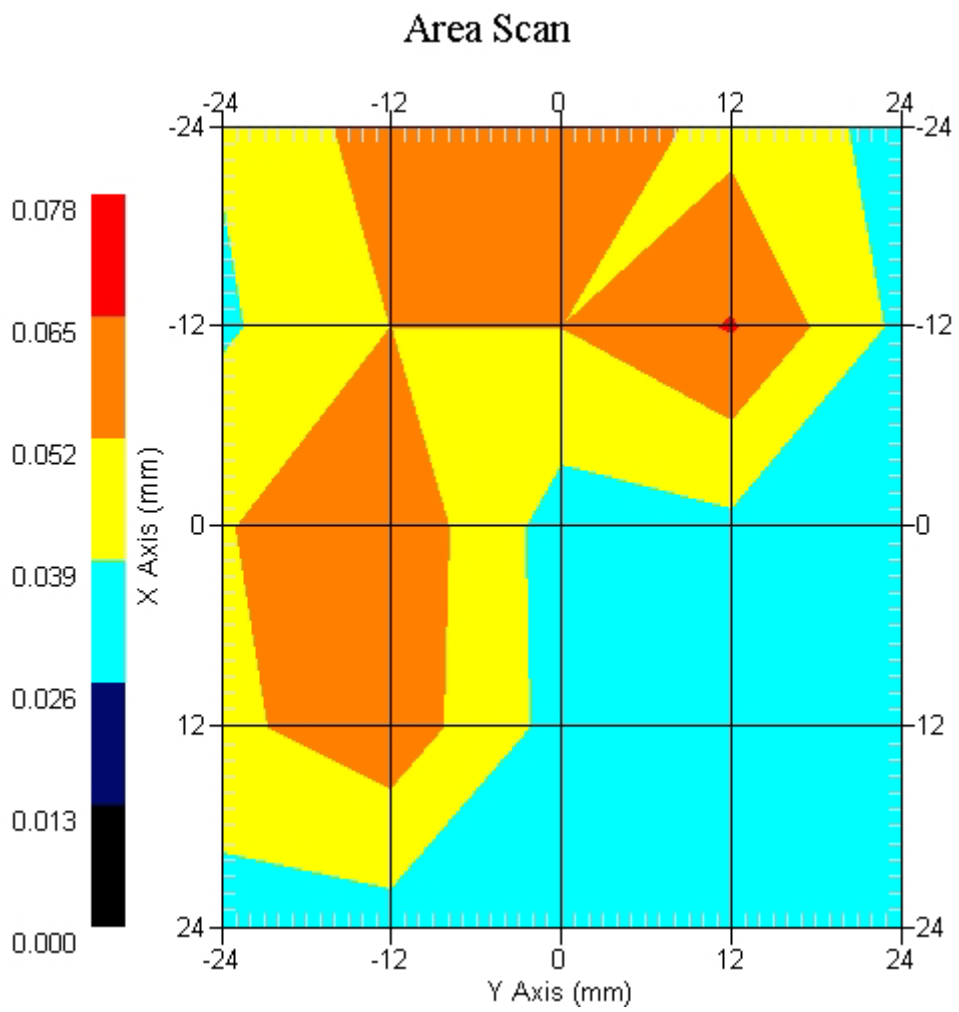
Measurement Data

Crest Factor : 1
Tissue Temp. : 21.30 °C
Ambient Temp. : 22.10 °C
Area Scan : 5x5x1 : Measurement x=12mm, y=12mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.036 W/kg
Power Drift-Finish: 0.037 W/kg
Power Drift (%) : 2.777

DUT Position : Touch
Channel : 4133



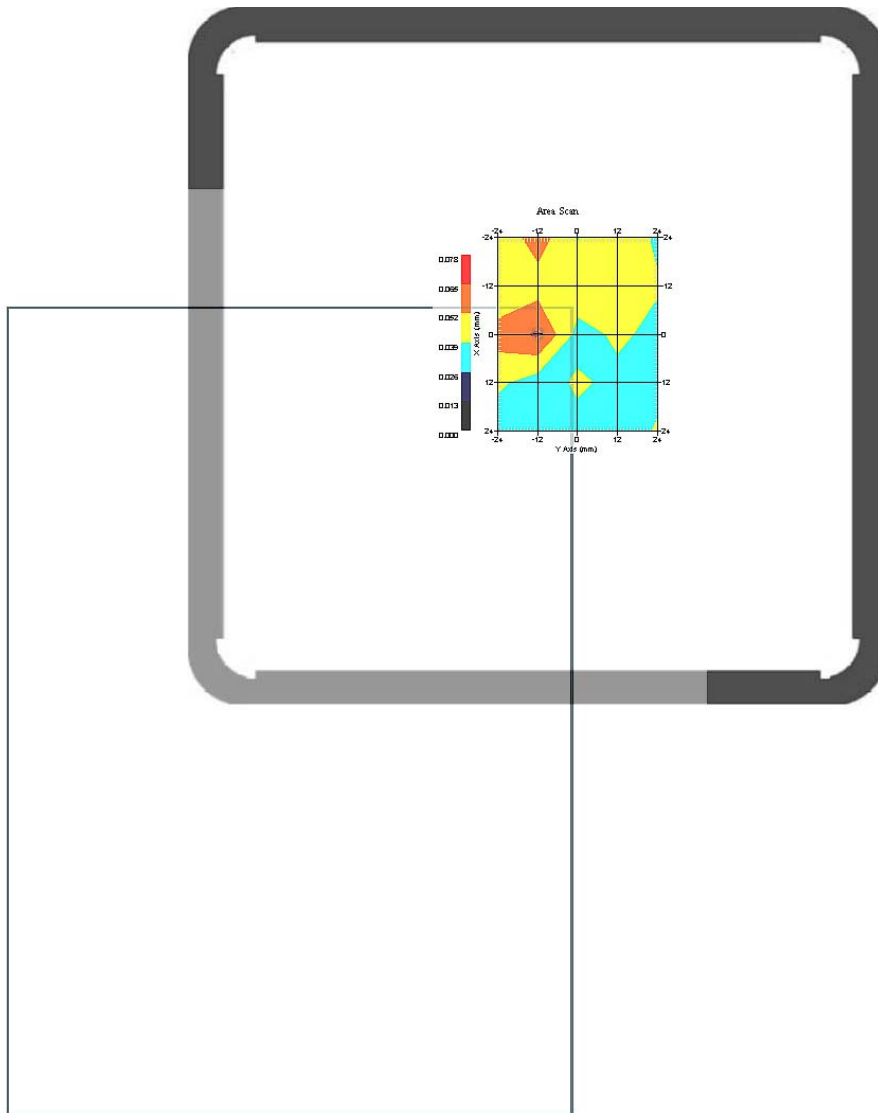
1 gram SAR value : 0.061 W/kg
10 gram SAR value : 0.041 W/kg
Area Scan Peak SAR : 0.066 W/kg
Zoom Scan Peak SAR : 0.080 W/kg



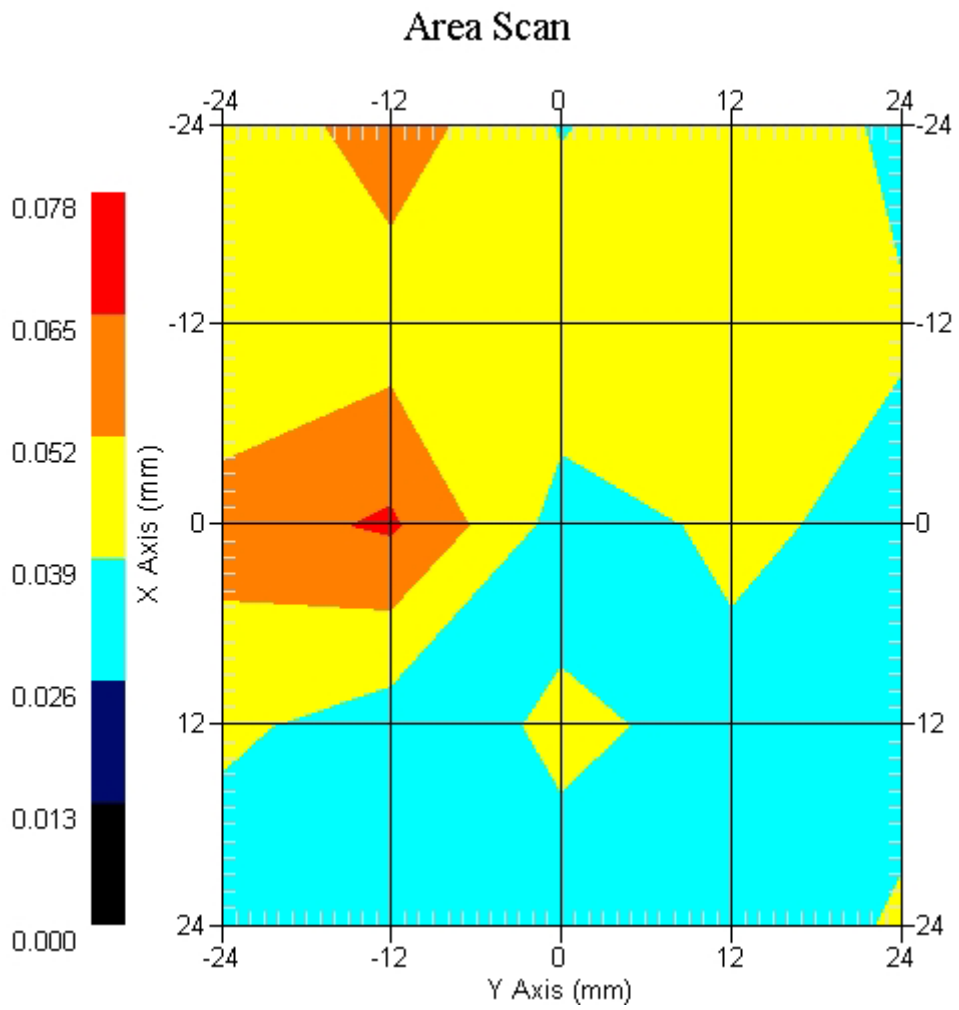
Measurement Data

Crest Factor : 1
Tissue Temp. : 21.30 °C
Ambient Temp. : 22.10 °C
Area Scan : 5x5x1 : Measurement x=12mm, y=12mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.043 W/kg
Power Drift-Finish: 0.041 W/kg
Power Drift (%) : -4.651

DUT Position : Touch
Channel : 4175



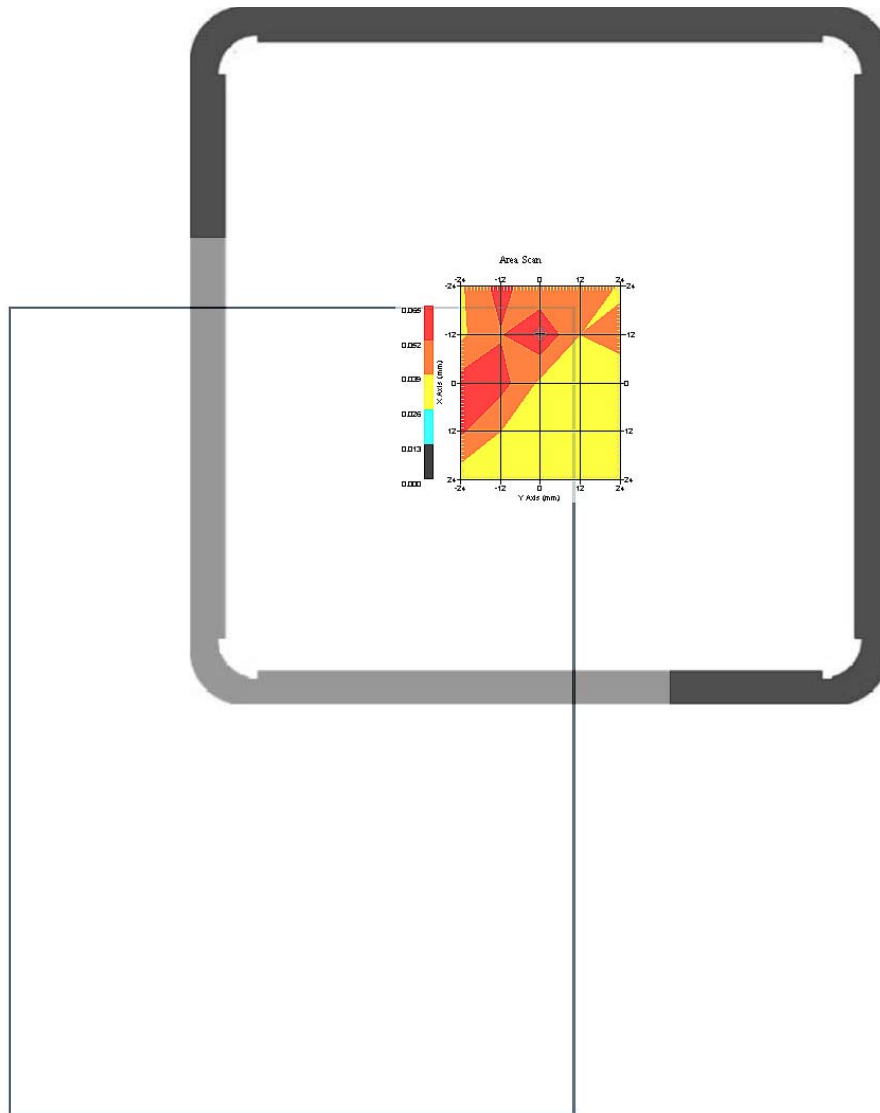
1 gram SAR value : 0.063 W/kg
10 gram SAR value : 0.049 W/kg
Area Scan Peak SAR : 0.067 W/kg
Zoom Scan Peak SAR : 0.070 W/kg



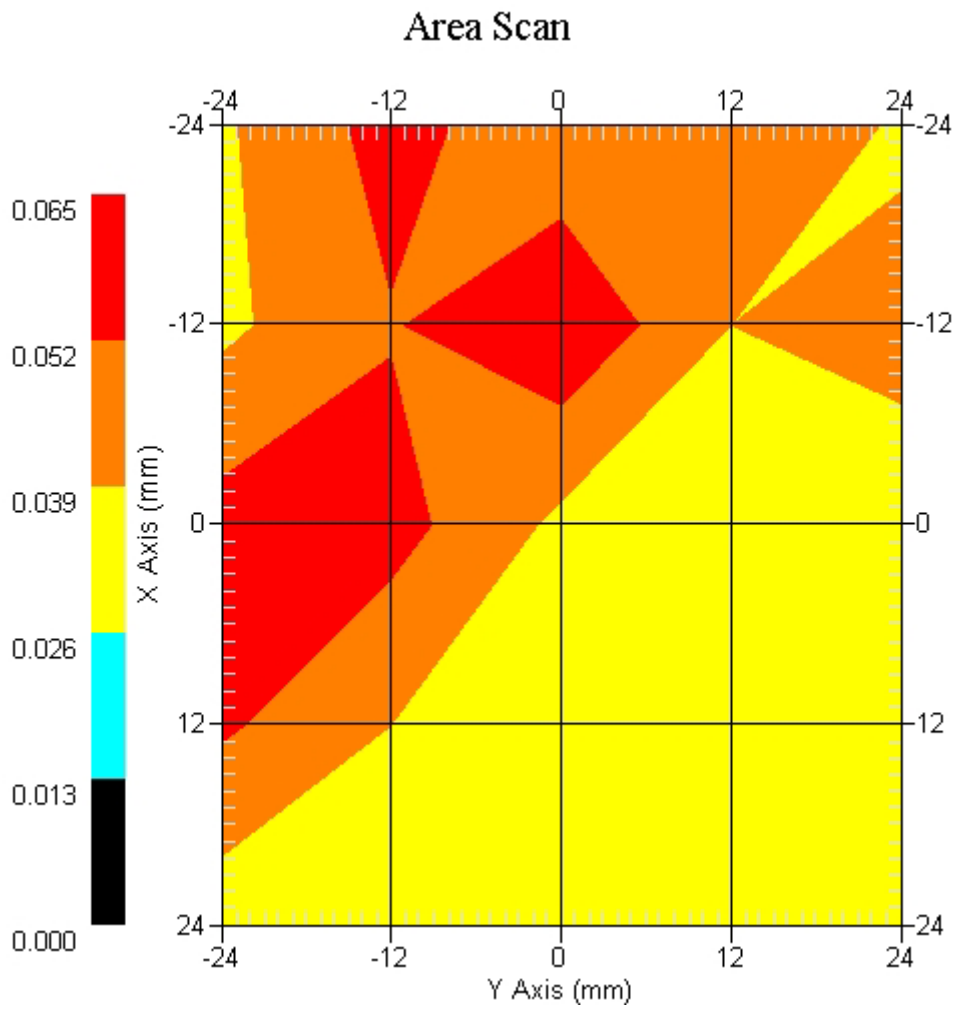
Measurement Data

Crest Factor : 1
Tissue Temp. : 21.30 °C
Ambient Temp. : 22.10 °C
Area Scan : 5x5x1 : Measurement x=12mm, y=12mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.048 W/kg
Power Drift-Finish: 0.050 W/kg
Power Drift (%) : 4.166

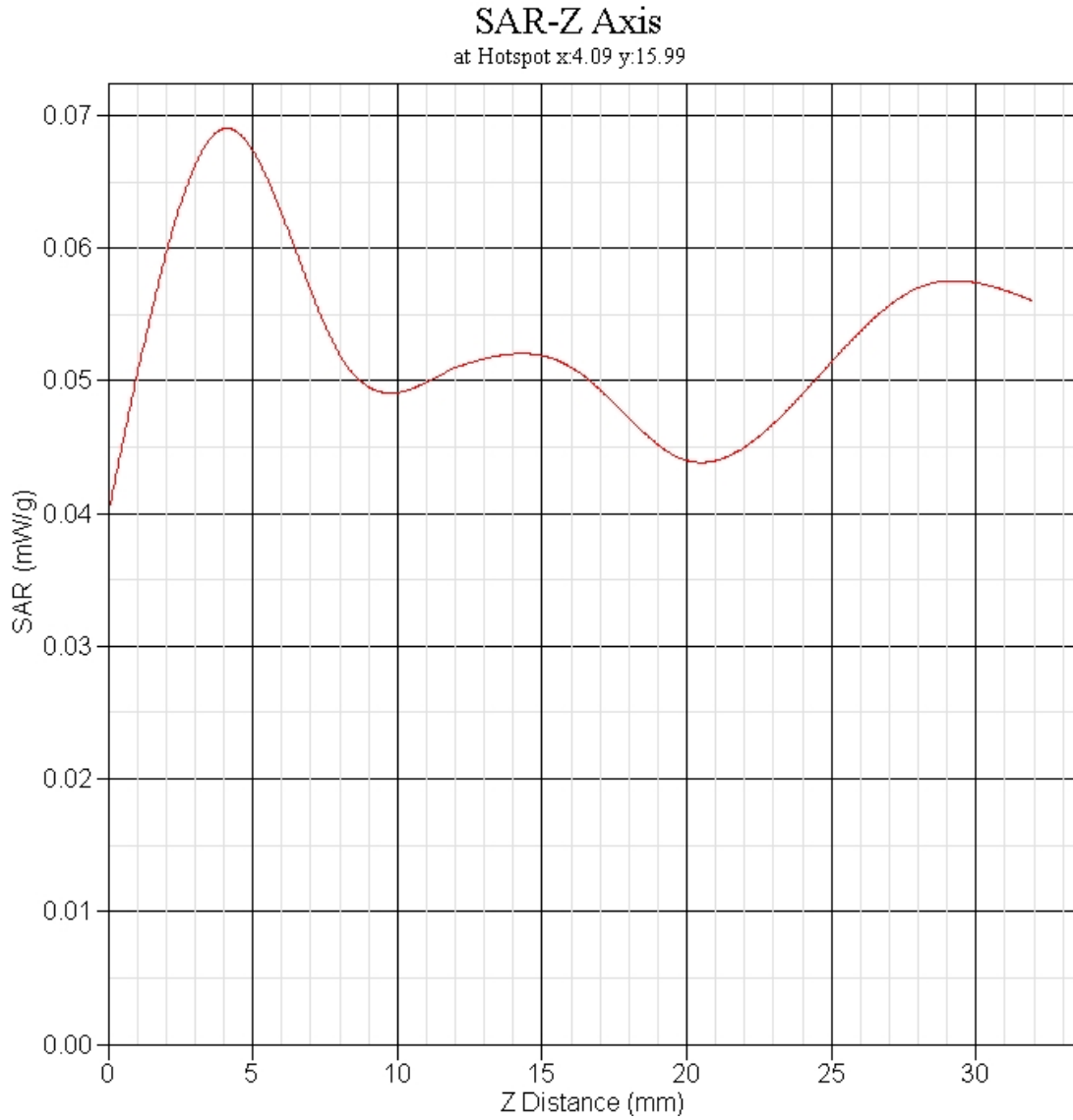
DUT Position : Touch
Channel : 4232



1 gram SAR value : 0.067 W/kg
10 gram SAR value : 0.049 W/kg
Area Scan Peak SAR : 0.063 W/kg
Zoom Scan Peak SAR : 0.040 W/kg



WCDMA850(HSDPA) & 802.11a TX on, Z-Axis plot
channel: 4232



ALSAS-10U VER 2.3.2 APREL Laboratories
SAR Test Report –WCDMA1900(HSDPA) & 802.11a TX on

Report Date : 05-Dec-2007
Measurement Date : 05-Dec-2007

Product Data

Device Name : Notebook PC
Type : Other
Model : 8212
Frequency : 1900.00 MHz
Drift Time : 0 min(s)
Length : 294 mm
Width : 207 mm
Depth : 207 mm
Antenna Type : Internal

Phantom Data

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

Tissue Data

Type : BODY
Serial No. : 324-B
Frequency : 1900.00 MHz
Last Calib. Date : 05-Dec-2007
Temperature : 20.60 °C
Ambient Temp. : 21.50 °C
Humidity : 50.00 RH%
Epsilon : 53.44 F/m
Sigma : 1.517 S/m
Density : 1000.00 kg/cu. m

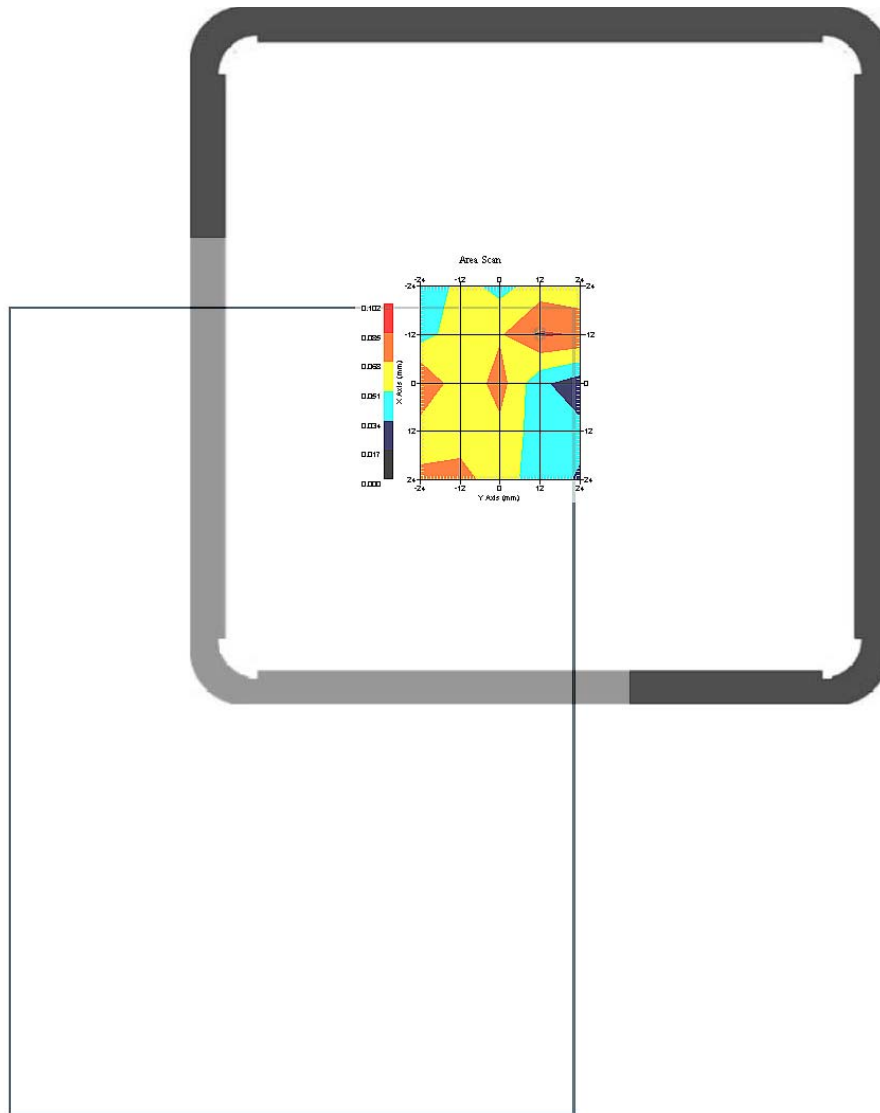
Probe Data

Name : Probe 264
Model : E020
Type : E-Field Triangle
Serial No. : 264
Last Calib. Date : 21-Aug-2007
Frequency : 1900.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 5.75
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

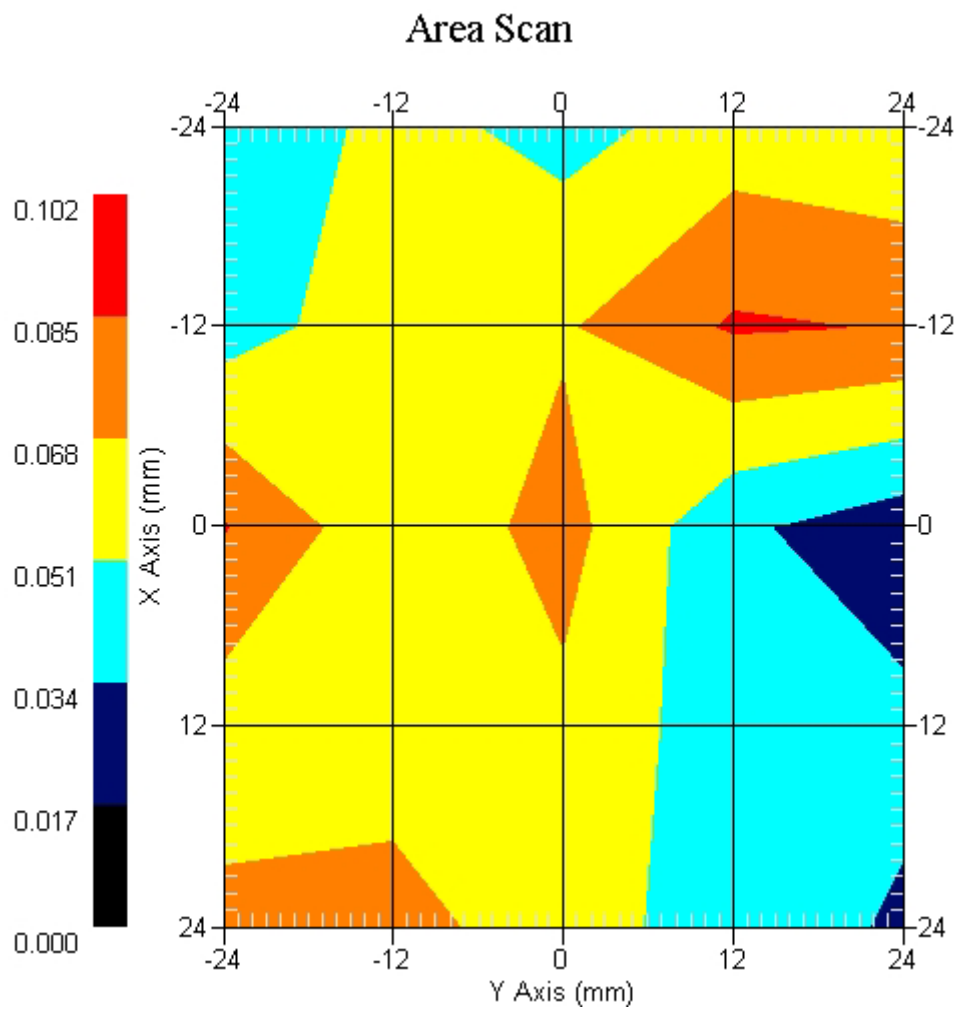
Measurement Data

Crest Factor : 1
Tissue Temp. : 20.60 °C
Ambient Temp. : 21.50 °C
Area Scan : 5x5x1 : Measurement x=12mm, y=12mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.044 W/kg
Power Drift-Finish: 0.042 W/kg
Power Drift (%) : -4.545

DUT Position : Touch
Channel : 9400



1 gram SAR value : 0.054 W/kg
10 gram SAR value : 0.046 W/kg
Area Scan Peak SAR : 0.087 W/kg
Zoom Scan Peak SAR : 0.200 W/kg



ALSAS-10U VER 2.3.2 APREL Laboratories
SAR Test Report –WCDMA1900(HSDPA) & 802.11a TX on

Report Date : 05-Dec-2007
Measurement Date : 05-Dec-2007

Product Data

Device Name : Notebook PC
Type : Other
Model : 8212
Frequency : 1900.00 MHz
Drift Time : 0 min(s)
Length : 294 mm
Width : 207 mm
Depth : 207 mm
Antenna Type : Internal

Phantom Data

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

Tissue Data

Type : BODY
Serial No. : 324-B
Frequency : 1900.00 MHz
Last Calib. Date : 05-Dec-2007
Temperature : 20.60 °C
Ambient Temp. : 21.50 °C
Humidity : 50.00 RH%
Epsilon : 53.44 F/m
Sigma : 1.517 S/m
Density : 1000.00 kg/cu. m

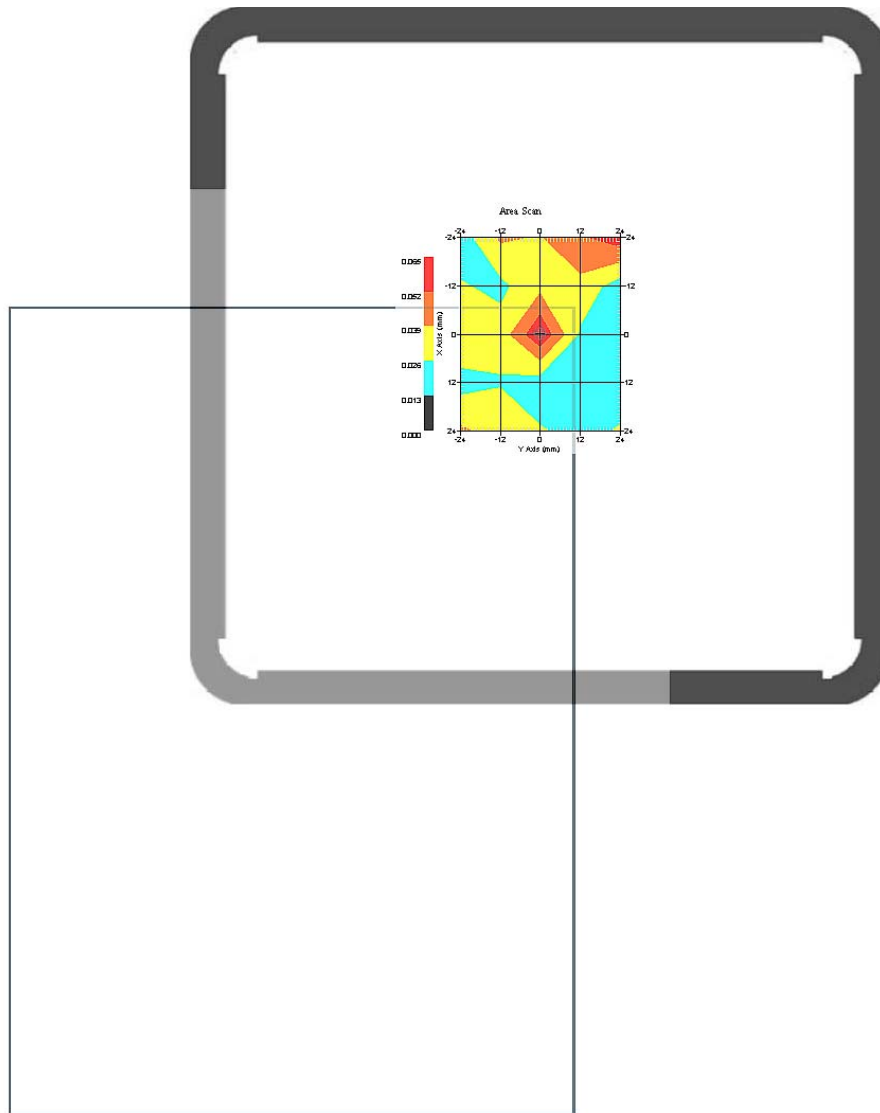
Probe Data

Name : Probe 264
Model : E020
Type : E-Field Triangle
Serial No. : 264
Last Calib. Date : 21-Aug-2007
Frequency : 1900.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 5.75
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

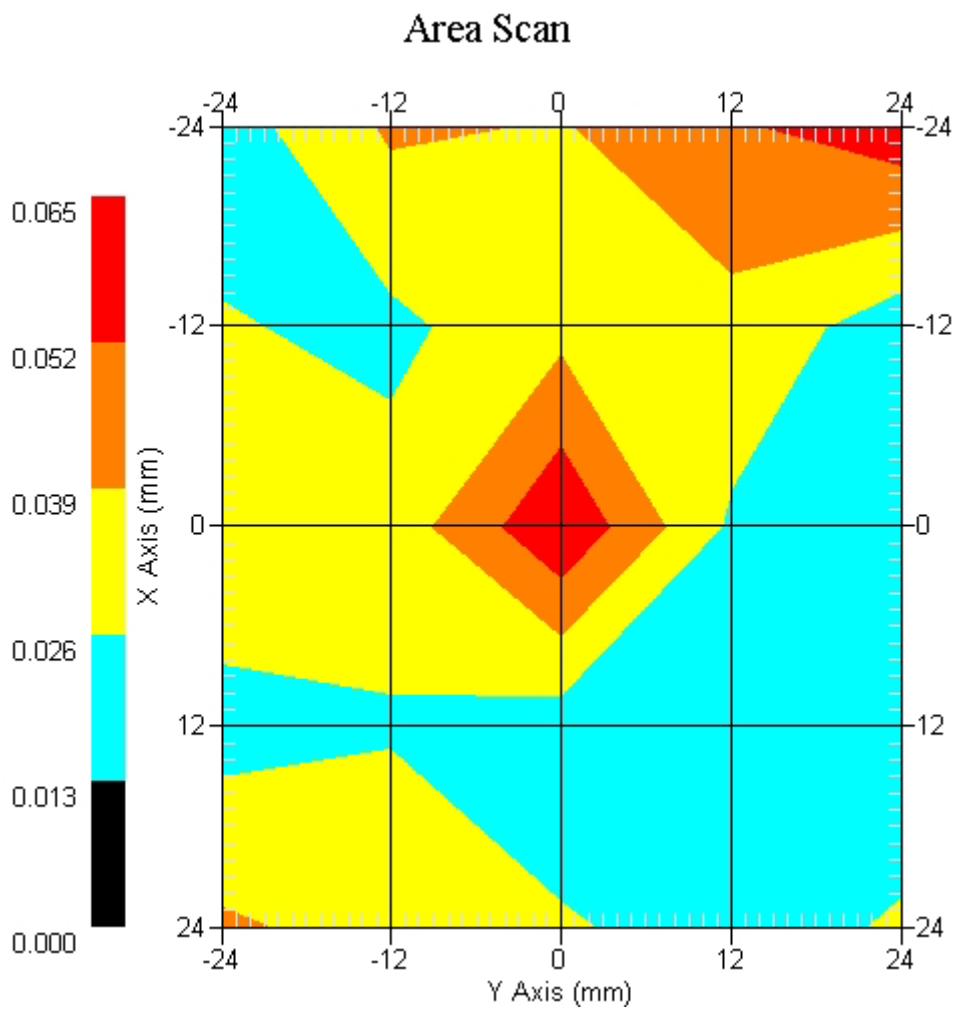
Measurement Data

Crest Factor : 1
Tissue Temp. : 20.60 °C
Ambient Temp. : 21.50 °C
Area Scan : 5x5x1 : Measurement x=12mm, y=12mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.042 W/kg
Power Drift-Finish: 0.040 W/kg
Power Drift (%) : -4.761

DUT Position : Touch
Channel : 9263



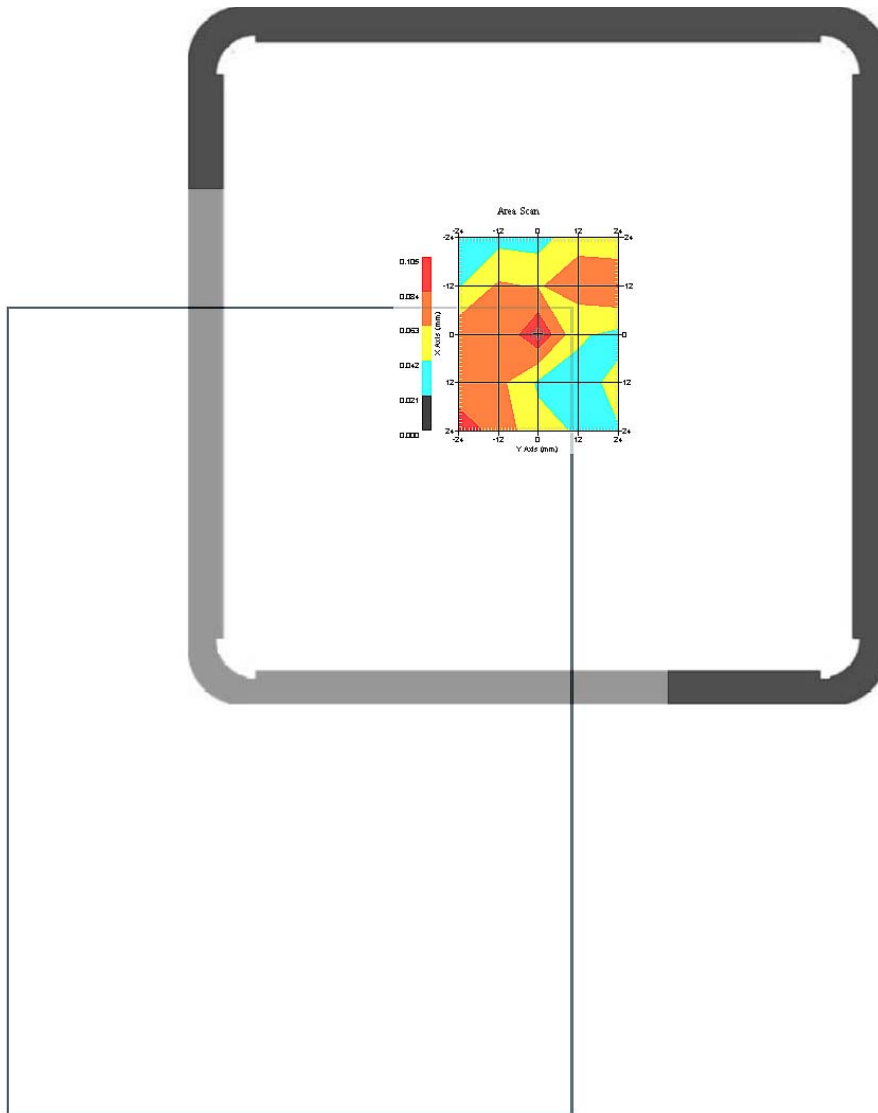
1 gram SAR value : 0.064 W/kg
10 gram SAR value : 0.050 W/kg
Area Scan Peak SAR : 0.063 W/kg
Zoom Scan Peak SAR : 0.250 W/kg



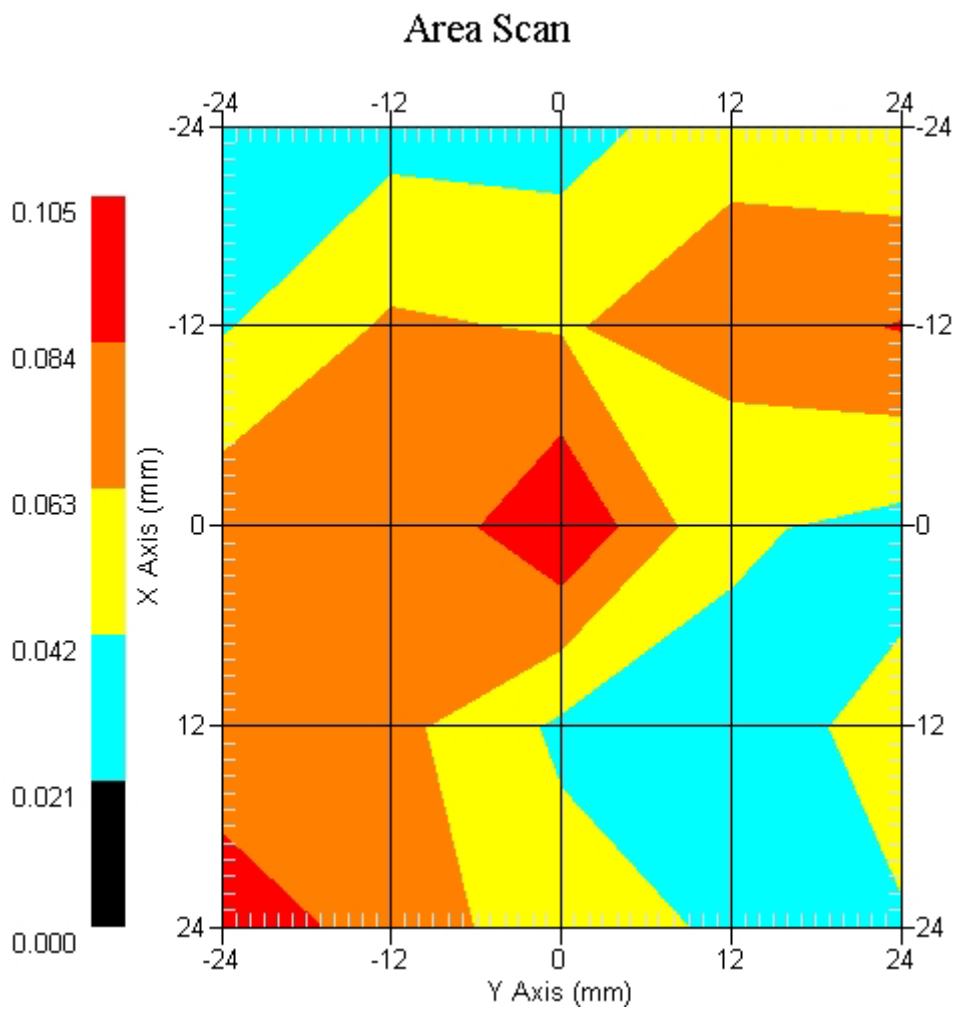
Measurement Data

Crest Factor : 1
Tissue Temp. : 20.60 °C
Ambient Temp. : 21.50 °C
Area Scan : 5x5x1 : Measurement x=12mm, y=12mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.045 W/kg
Power Drift-Finish: 0.044 W/kg
Power Drift (%) : -2.222

DUT Position : Touch
Channel : 9400



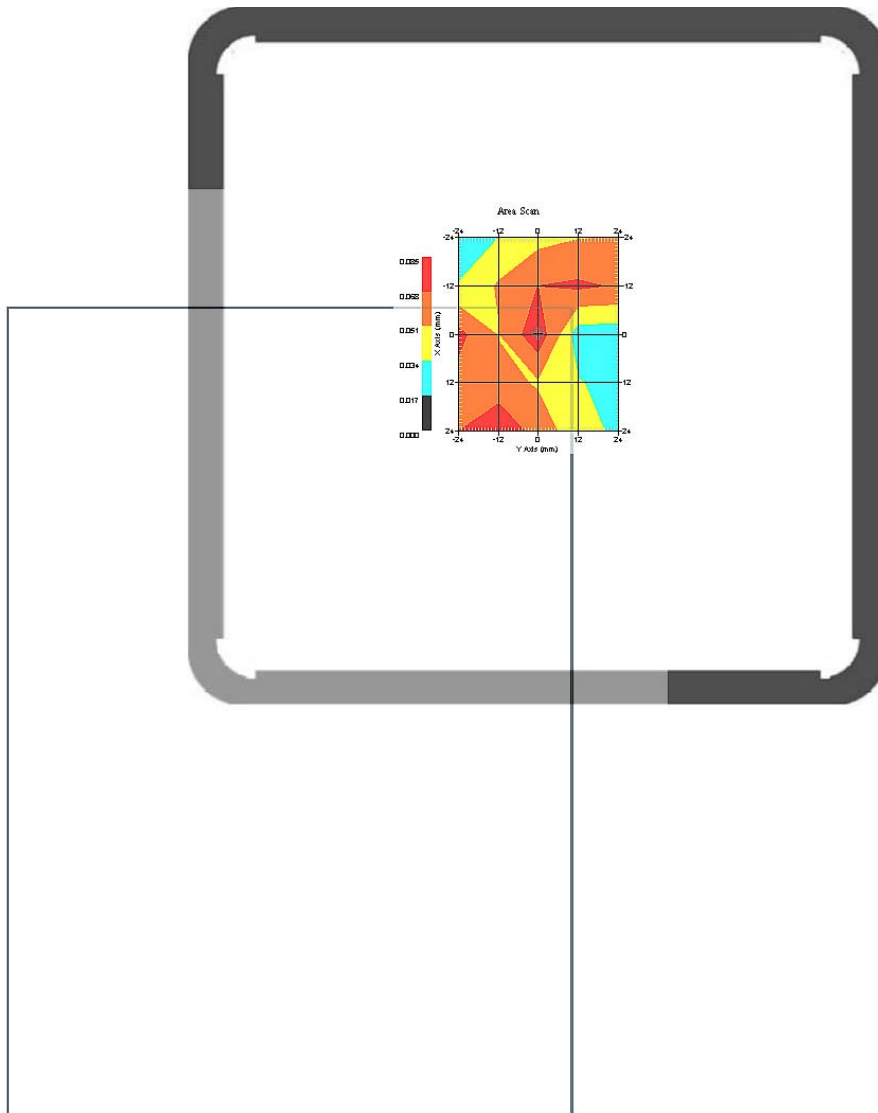
1 gram SAR value : 0.074 W/kg
10 gram SAR value : 0.050 W/kg
Area Scan Peak SAR : 0.103 W/kg
Zoom Scan Peak SAR : 0.260 W/kg



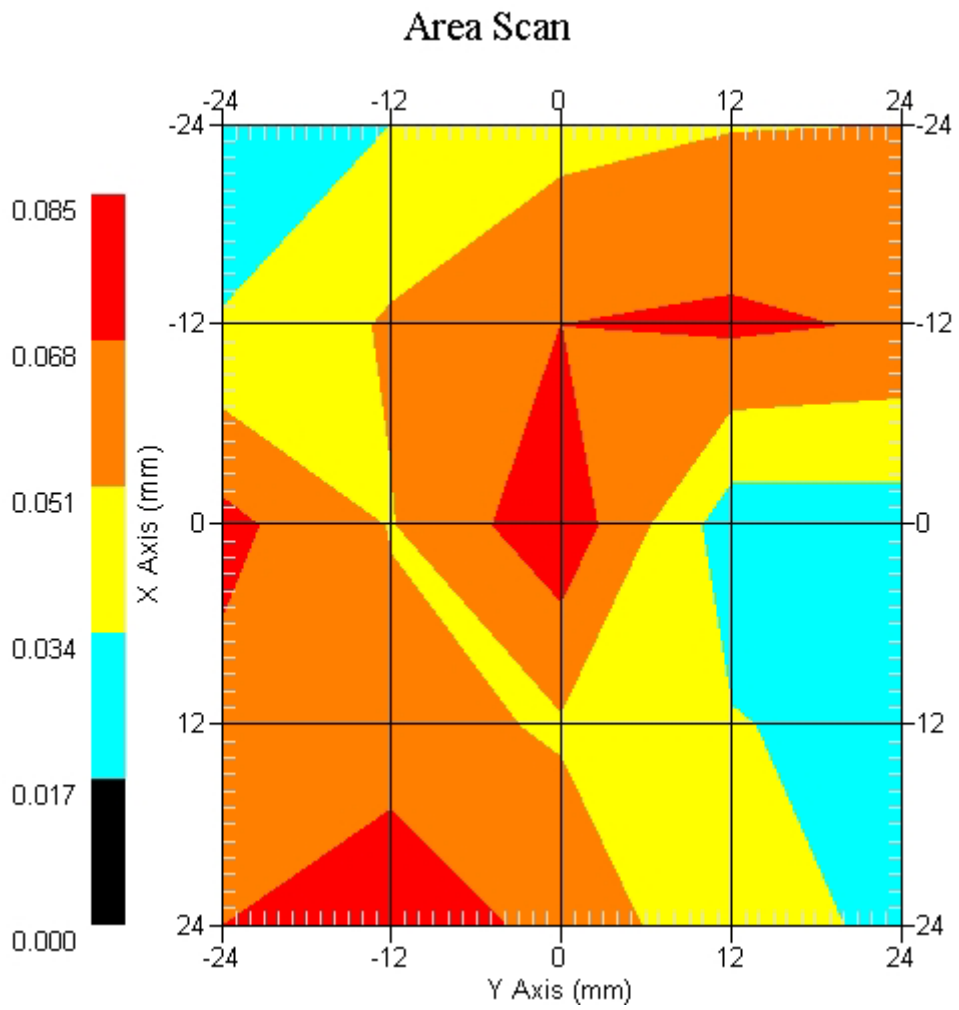
Measurement Data

Crest Factor : 1
Tissue Temp. : 20.60 °C
Ambient Temp. : 21.50 °C
Area Scan : 5x5x1 : Measurement x=12mm, y=12mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.035 W/kg
Power Drift-Finish: 0.036 W/kg
Power Drift (%) : 2.857

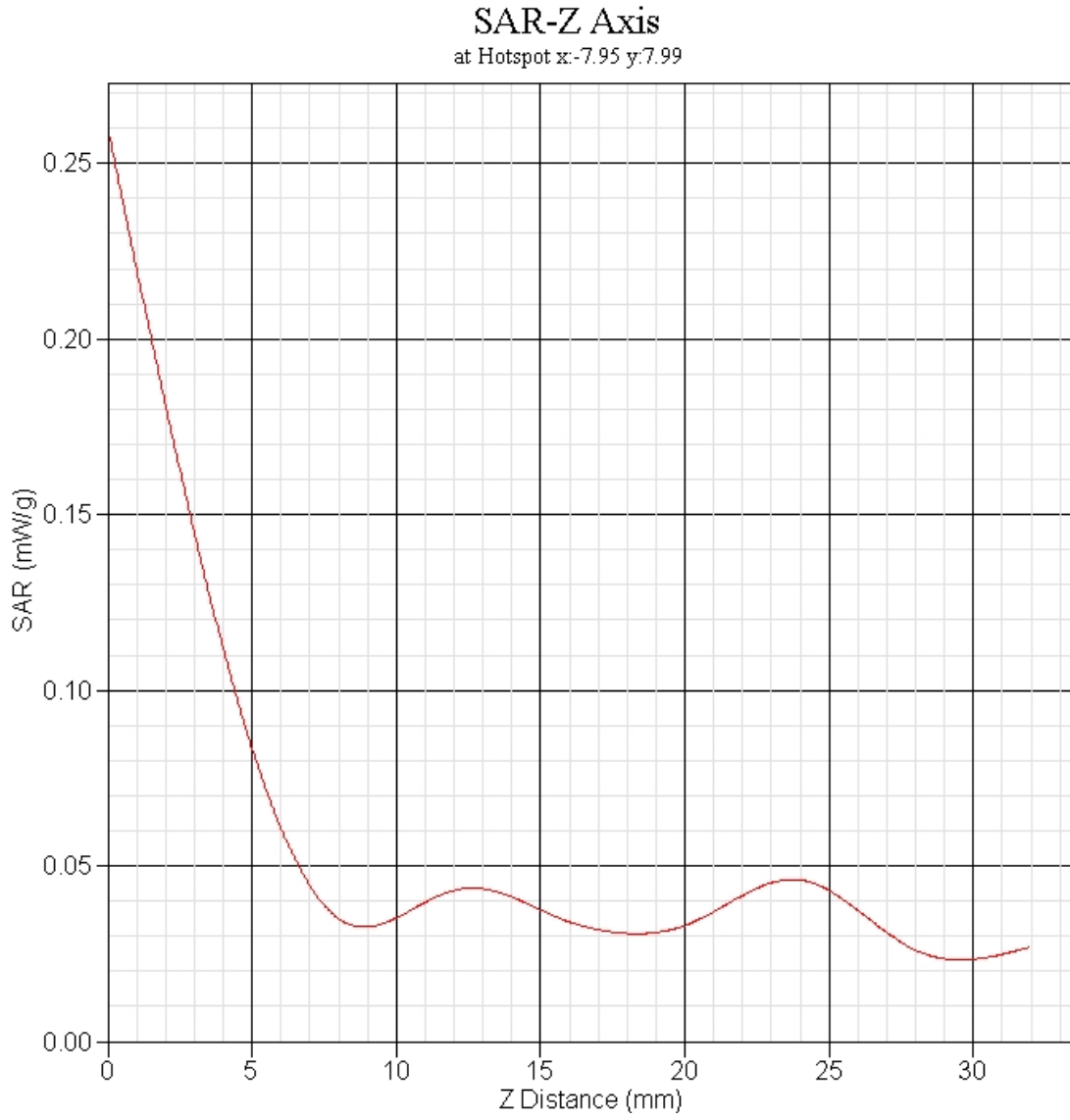
DUT Position : Touch
Channel : 9537



1 gram SAR value : 0.059 W/kg
10 gram SAR value : 0.056 W/kg
Area Scan Peak SAR : 0.083 W/kg
Zoom Scan Peak SAR : 0.000 W/kg



WCDMA1900(HSDPA) & 802.11a TX on, Z-Axis plot
channel: 9400



ALSAS-10U VER 2.3.2 APREL Laboratories
SAR Test Report –WCDMA850(RMC) & 802.11a TX on

Report Date : 05-Dec-2007
Measurement Date : 05-Dec-2007

Product Data

Device Name : Notebook PC
Type : Other
Model : 8212
Frequency : 850.00 MHz
Drift Time : 0 min(s)
Length : 294 mm
Width : 207 mm
Depth : 207 mm
Antenna Type : Internal

Phantom Data

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

Tissue Data

Type : BODY
Serial No. : 322-B
Frequency : 835.00 MHz
Last Calib. Date : 05-Dec-2007
Temperature : 21.30 °C
Ambient Temp. : 22.10 °C
Humidity : 49.00 RH%
Epsilon : 53.42 F/m
Sigma : 0.961 S/m
Density : 1000.00 kg/cu. m

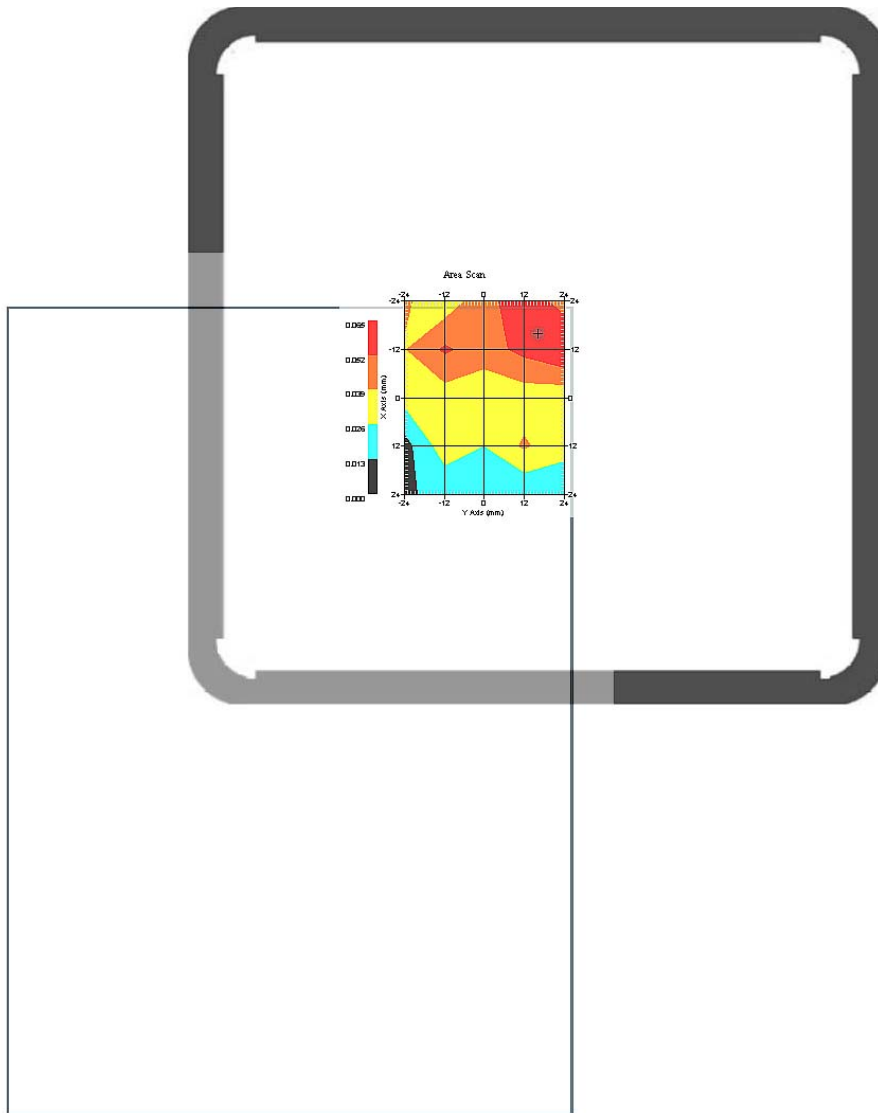
Probe Data

Name : Probe 264
Model : E020
Type : E-Field Triangle
Serial No. : 264
Last Calib. Date : 20-Aug-2007
Frequency : 835.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 6.8
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

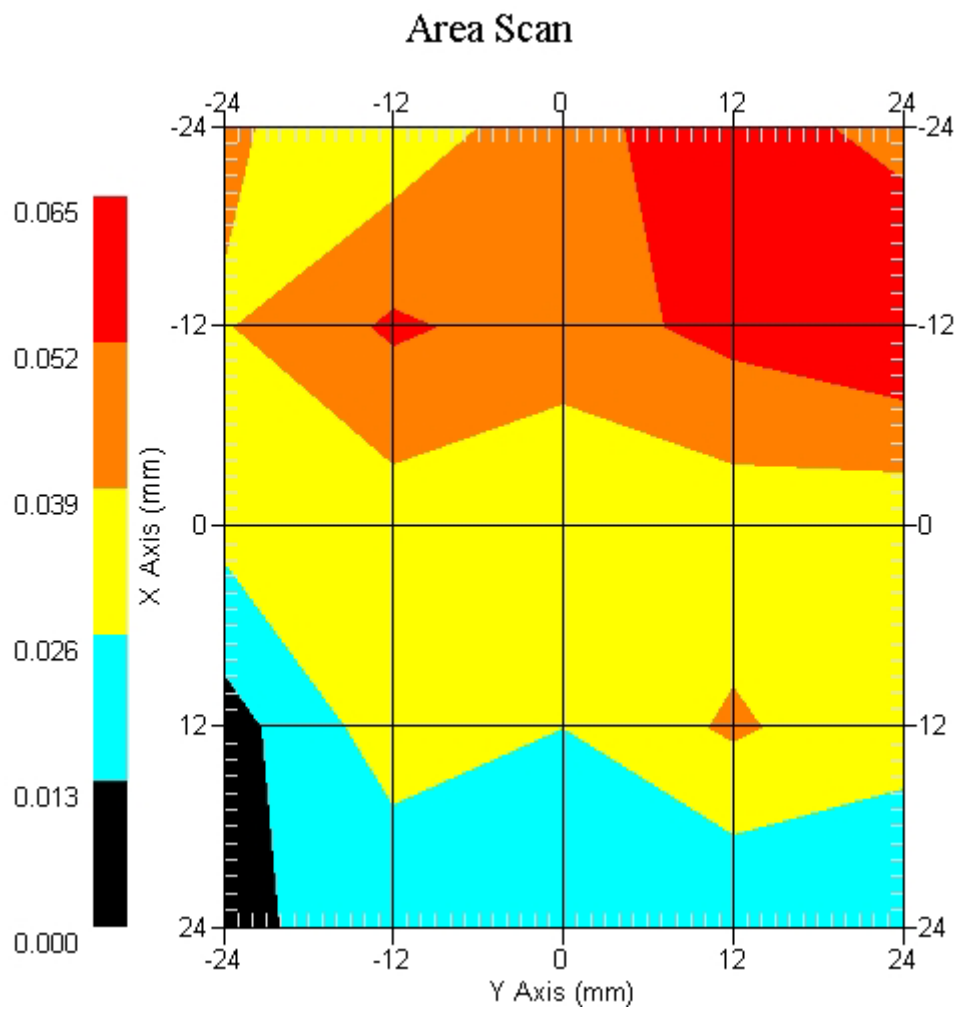
Measurement Data

Crest Factor : 1
Tissue Temp. : 21.30 °C
Ambient Temp. : 22.10 °C
Area Scan : 5x5x1 : Measurement x=12mm, y=12mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.048 W/kg
Power Drift-Finish: 0.046 W/kg
Power Drift (%) : -4.166

DUT Position : Touch
Channel : 4175



1 gram SAR value : 0.054 W/kg
10 gram SAR value : 0.033 W/kg
Area Scan Peak SAR : 0.065 W/kg
Zoom Scan Peak SAR : 0.000 W/kg



ALSAS-10U VER 2.3.2 APREL Laboratories
SAR Test Report –WCDMA850(RMC) & 802.11a TX on

Report Date : 05-Dec-2007
Measurement Date : 05-Dec-2007

Product Data

Device Name : Notebook PC
Type : Other
Model : 8212
Frequency : 850.00 MHz
Drift Time : 0 min(s)
Length : 294 mm
Width : 207 mm
Depth : 207 mm
Antenna Type : Internal

Phantom Data

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

Tissue Data

Type : BODY
Serial No. : 322-B
Frequency : 835.00 MHz
Last Calib. Date : 05-Dec-2007
Temperature : 21.30 °C
Ambient Temp. : 22.10 °C
Humidity : 49.00 RH%
Epsilon : 53.42 F/m
Sigma : 0.961 S/m
Density : 1000.00 kg/cu. m

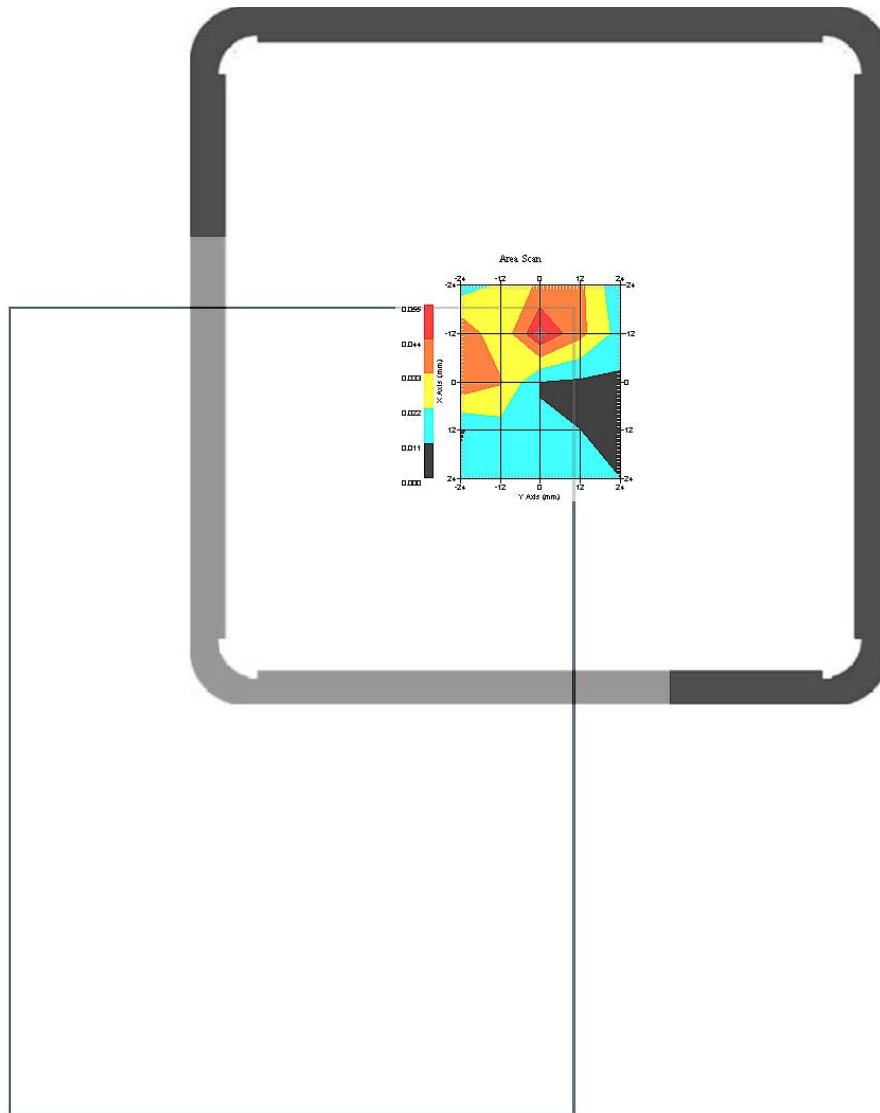
Probe Data

Name : Probe 264
Model : E020
Type : E-Field Triangle
Serial No. : 264
Last Calib. Date : 20-Aug-2007
Frequency : 835.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 6.8
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

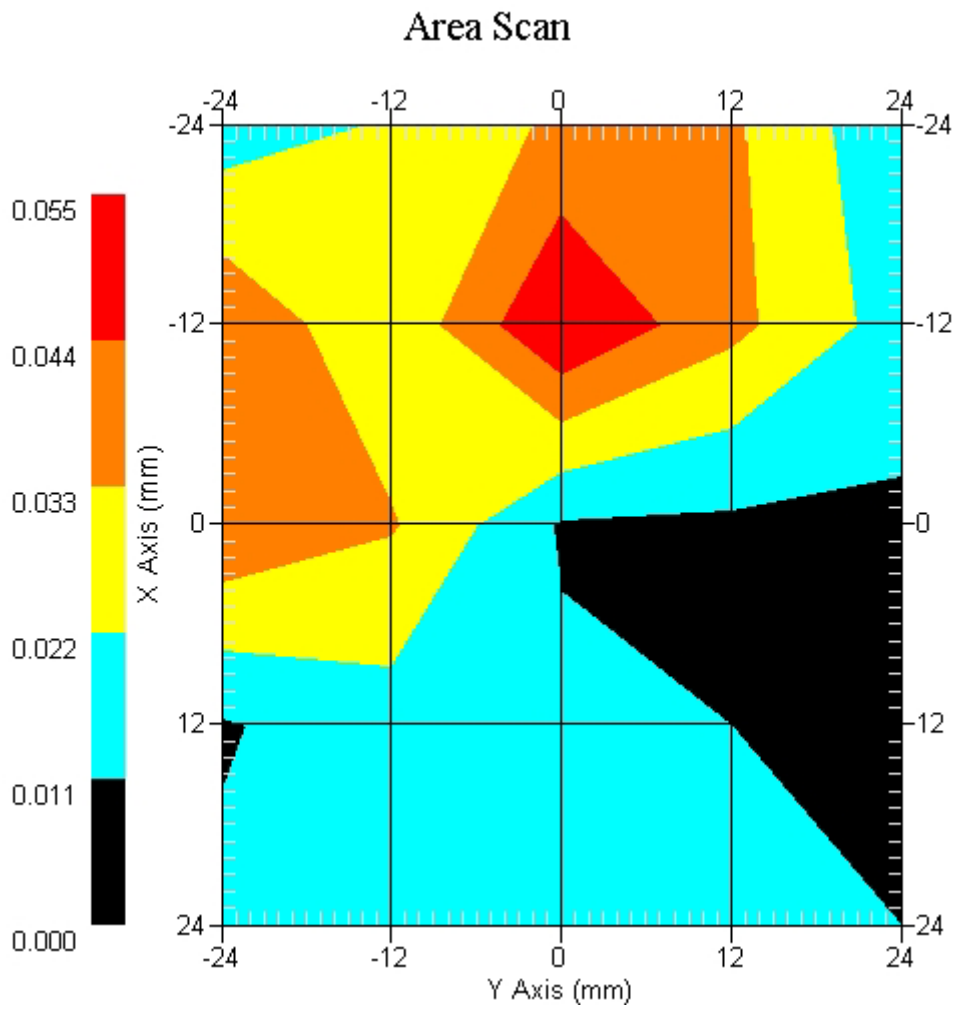
Measurement Data

Crest Factor : 1
Tissue Temp. : 21.30 °C
Ambient Temp. : 22.10 °C
Area Scan : 5x5x1 : Measurement x=12mm, y=12mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.046 W/kg
Power Drift-Finish: 0.047 W/kg
Power Drift (%) : 2.173

DUT Position : Touch
Channel : 4133



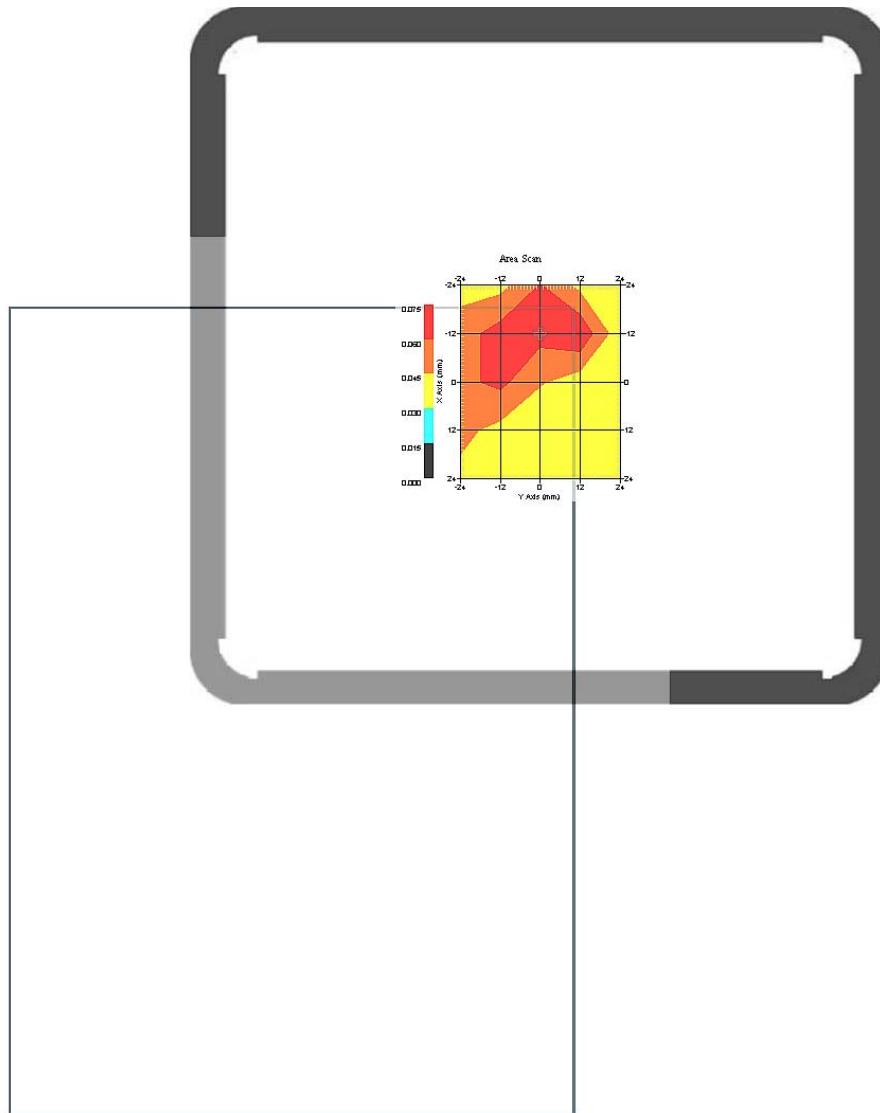
1 gram SAR value : 0.063 W/kg
10 gram SAR value : 0.046 W/kg
Area Scan Peak SAR : 0.055 W/kg
Zoom Scan Peak SAR : 0.130 W/kg



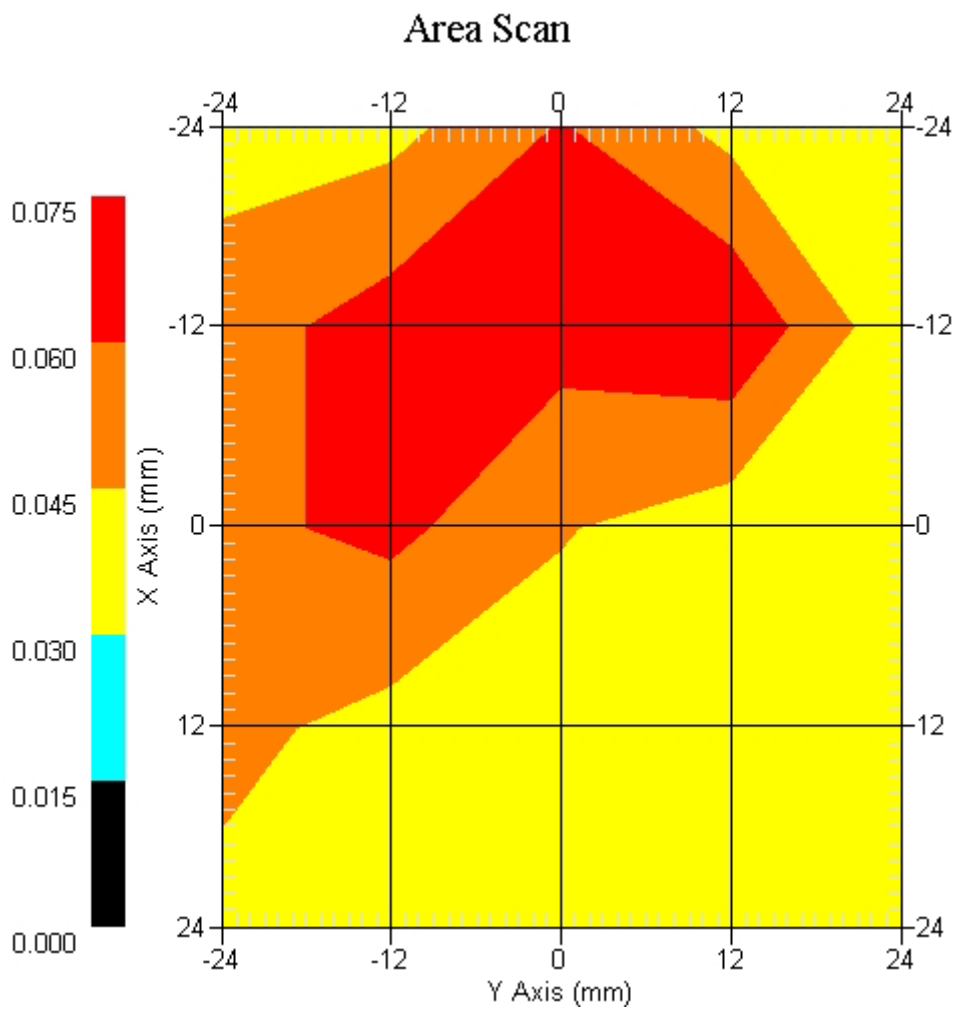
Measurement Data

Crest Factor : 1
Tissue Temp. : 21.30 °C
Ambient Temp. : 22.10 °C
Area Scan : 5x5x1 : Measurement x=12mm, y=12mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.042 W/kg
Power Drift-Finish: 0.044 W/kg
Power Drift (%) : 4.761

DUT Position : Touch
Channel : 4175



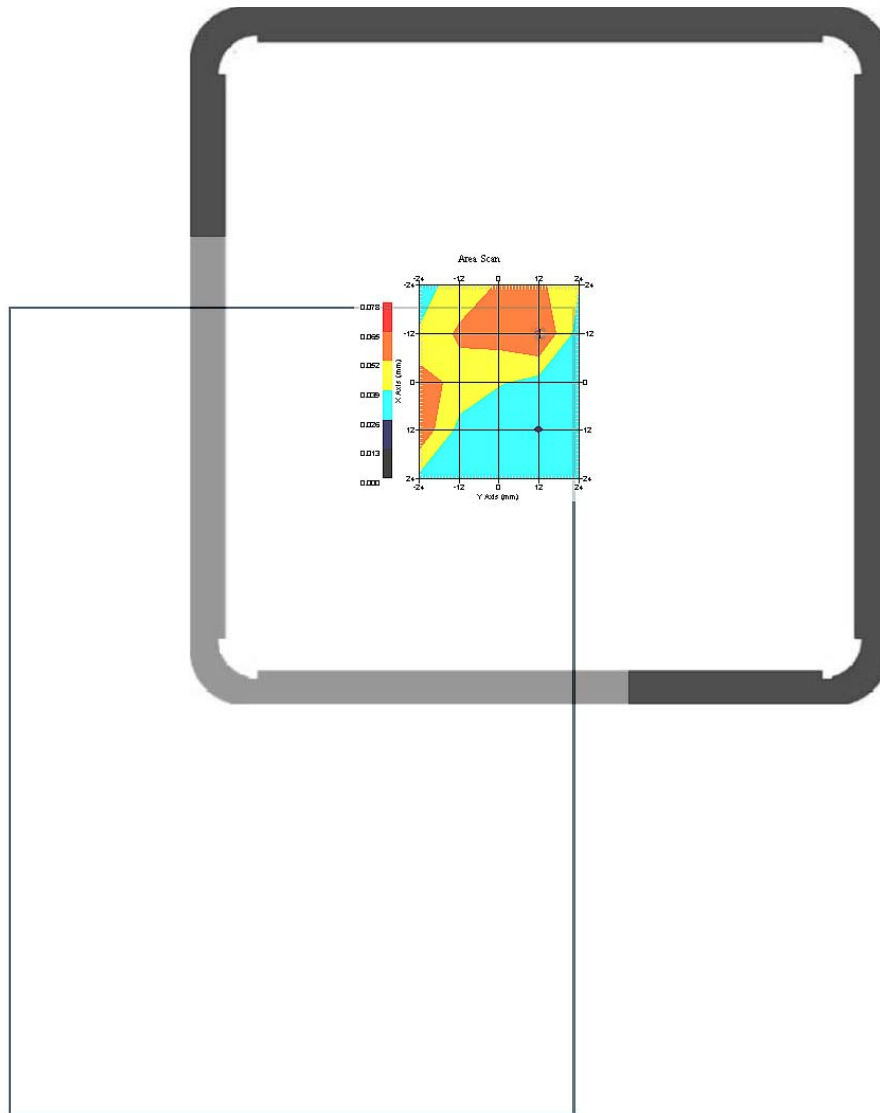
1 gram SAR value : 0.071 W/kg
10 gram SAR value : 0.043 W/kg
Area Scan Peak SAR : 0.073 W/kg
Zoom Scan Peak SAR : 0.040 W/kg



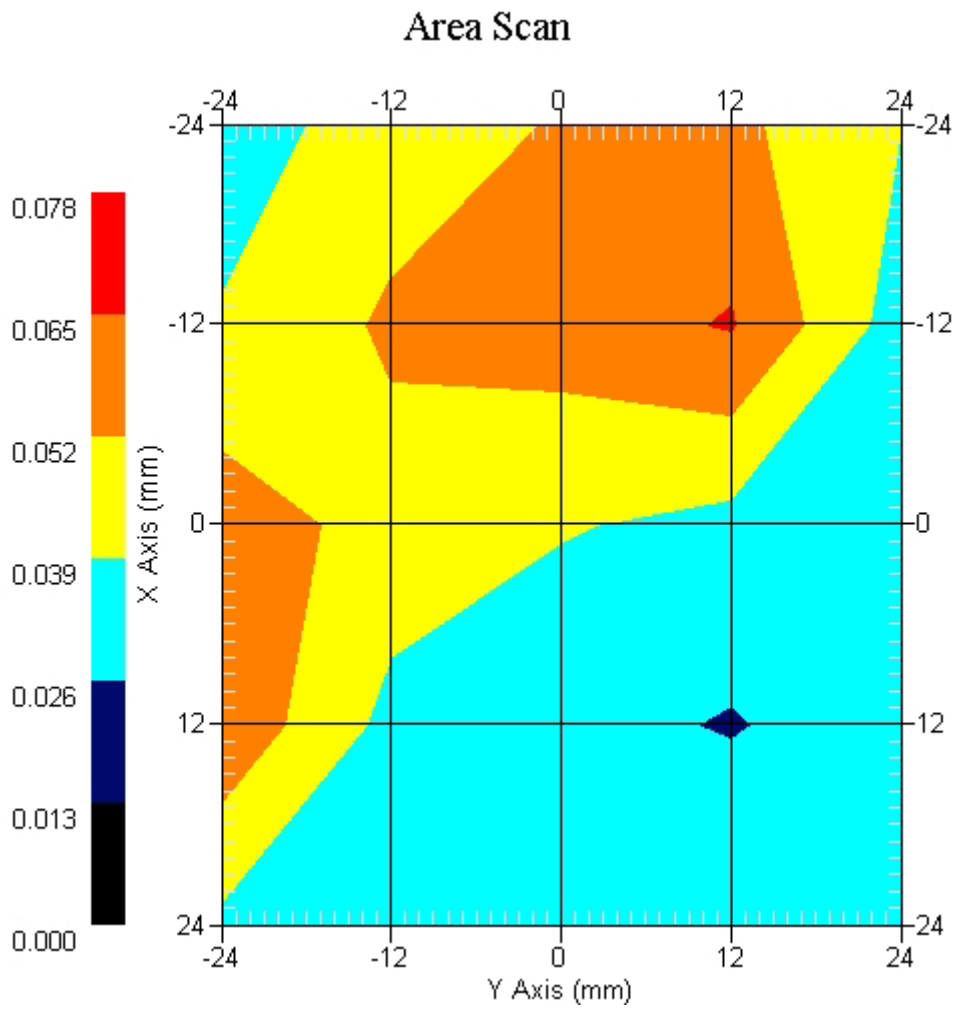
Measurement Data

Crest Factor : 1
Tissue Temp. : 21.30 °C
Ambient Temp. : 22.10 °C
Area Scan : 5x5x1 : Measurement x=12mm, y=12mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.051 W/kg
Power Drift-Finish: 0.049 W/kg
Power Drift (%) : -3.921

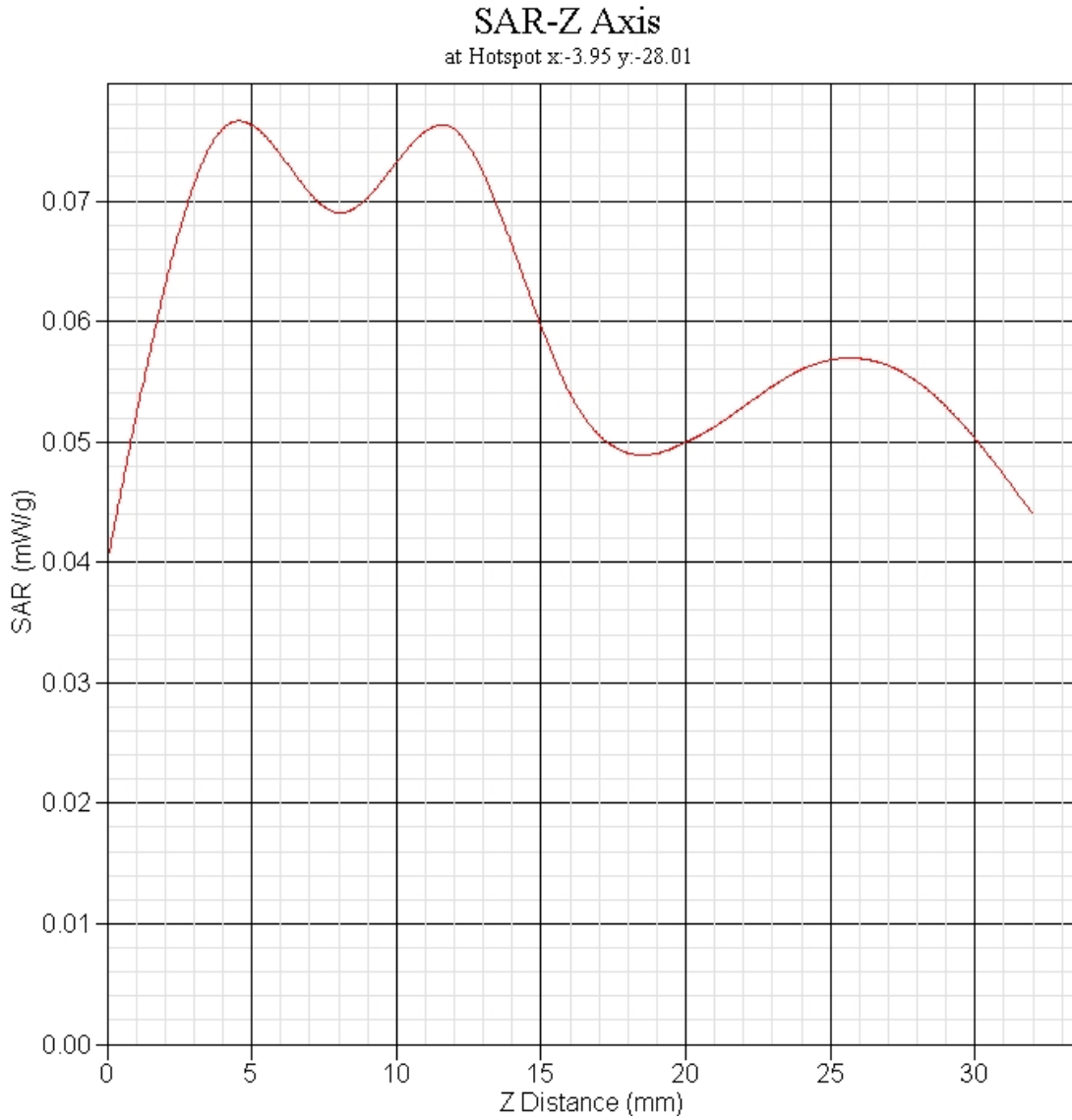
DUT Position : Touch
Channel : 4232



1 gram SAR value : 0.067 W/kg
10 gram SAR value : 0.047 W/kg
Area Scan Peak SAR : 0.066 W/kg
Zoom Scan Peak SAR : 0.060 W/kg



WCDMA850(RMC) & 802.11a TX on, Z-Axis plot
channel: 4175



ALSAS-10U VER 2.3.2 APREL Laboratories
SAR Test Report –WCDMA1900(RMC) & 802.11a TX on

Report Date : 05-Dec-2007
Measurement Date : 05-Dec-2007

Product Data

Device Name : Notebook PC
Type : Other
Model : 8212
Frequency : 1900.00 MHz
Drift Time : 0 min(s)
Length : 294 mm
Width : 207 mm
Depth : 207 mm
Antenna Type : Internal

Phantom Data

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

Tissue Data

Type : BODY
Serial No. : 324-B
Frequency : 1900.00 MHz
Last Calib. Date : 05-Dec-2007
Temperature : 20.60 °C
Ambient Temp. : 21.50 °C
Humidity : 50.00 RH%
Epsilon : 53.44 F/m
Sigma : 1.517 S/m
Density : 1000.00 kg/cu. m

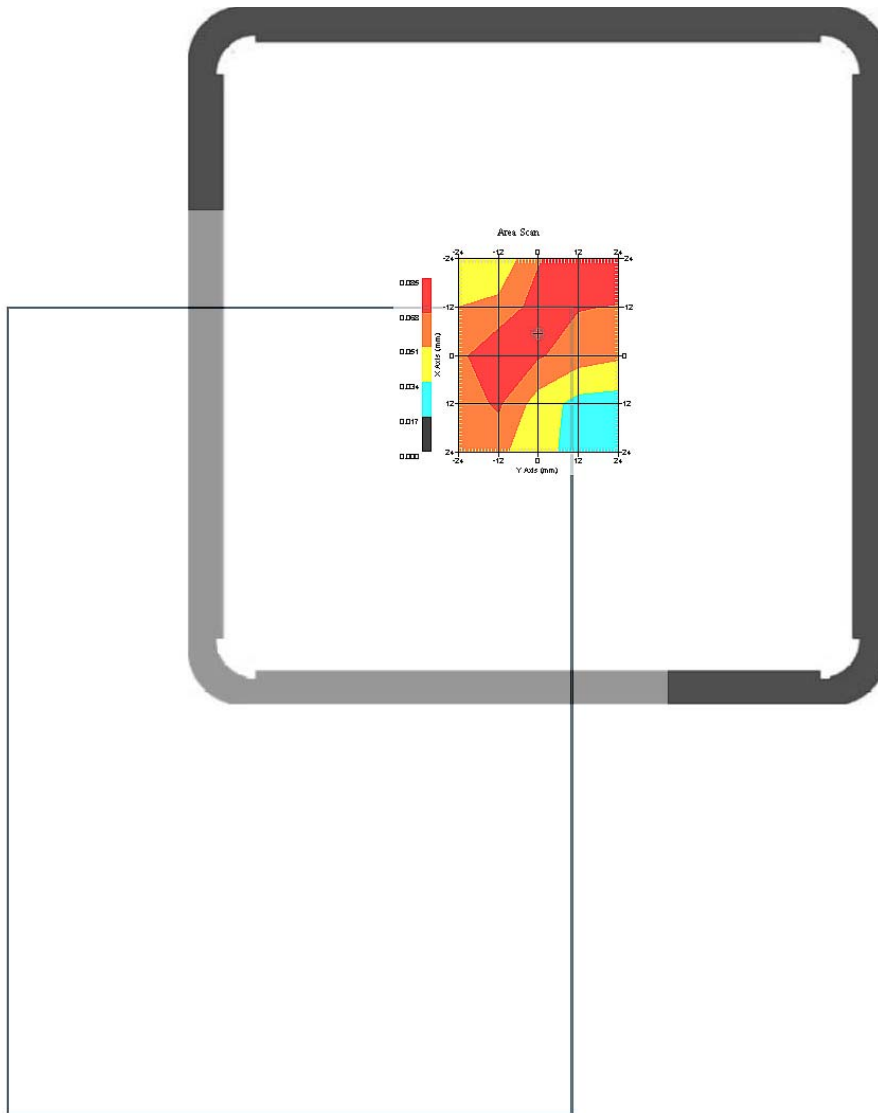
Probe Data

Name : Probe 264
Model : E020
Type : E-Field Triangle
Serial No. : 264
Last Calib. Date : 21-Aug-2007
Frequency : 1900.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 5.75
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

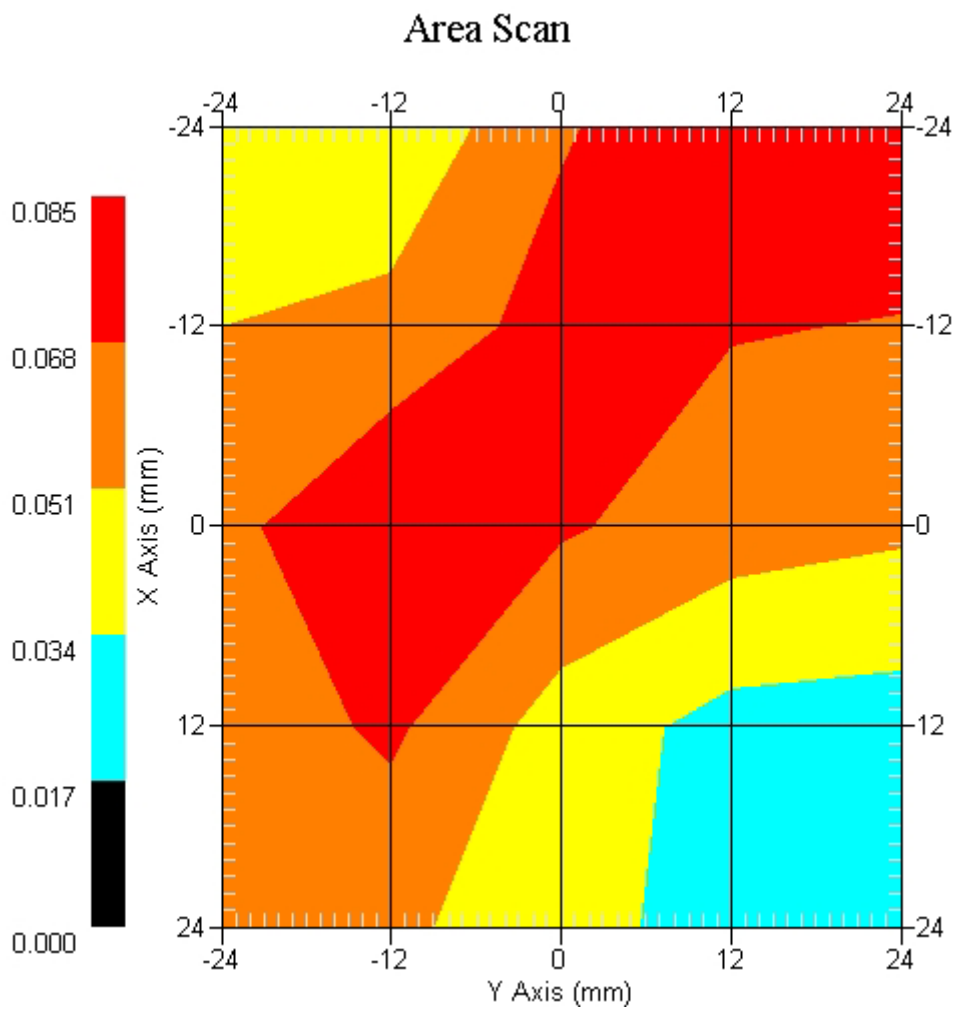
Measurement Data

Crest Factor : 1
 Tissue Temp. : 20.60 °C
 Ambient Temp. : 21.50 °C
 Area Scan : 5x5x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.042 W/kg
 Power Drift-Finish: 0.040 W/kg
 Power Drift (%) : -4.761

DUT Position : Touch
 Channel : 9400



1 gram SAR value : 0.056 W/kg
 10 gram SAR value : 0.041 W/kg
 Area Scan Peak SAR : 0.084 W/kg
 Zoom Scan Peak SAR : 0.230 W/kg



ALSAS-10U VER 2.3.2 APREL Laboratories
SAR Test Report –WCDMA1900(RMC) & 802.11a TX on

Report Date : 05-Dec-2007
Measurement Date : 05-Dec-2007

Product Data

Device Name : Notebook PC
Type : Other
Model : 8212
Frequency : 1900.00 MHz
Drift Time : 0 min(s)
Length : 294 mm
Width : 207 mm
Depth : 207 mm
Antenna Type : Internal

Phantom Data

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

Tissue Data

Type : BODY
Serial No. : 324-B
Frequency : 1900.00 MHz
Last Calib. Date : 05-Dec-2007
Temperature : 20.60 °C
Ambient Temp. : 21.50 °C
Humidity : 50.00 RH%
Epsilon : 53.44 F/m
Sigma : 1.517 S/m
Density : 1000.00 kg/cu. m

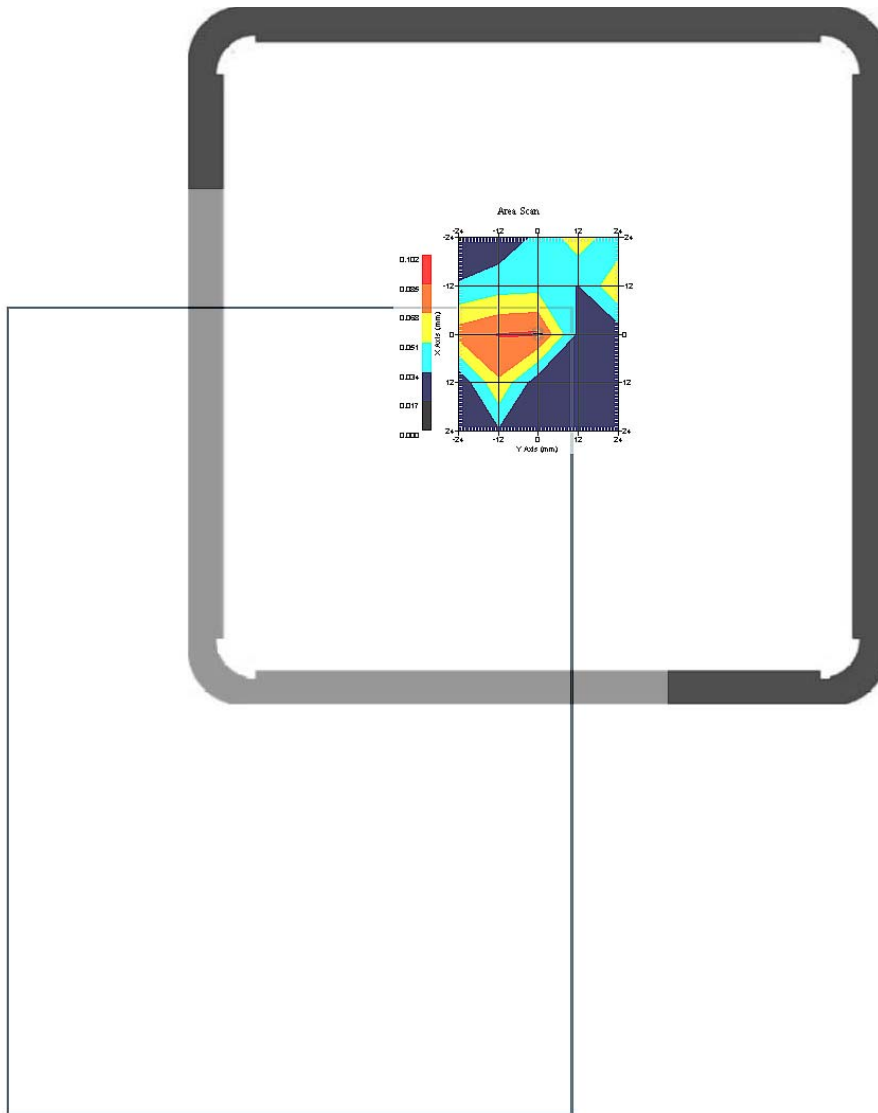
Probe Data

Name : Probe 264
Model : E020
Type : E-Field Triangle
Serial No. : 264
Last Calib. Date : 21-Aug-2007
Frequency : 1900.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 5.75
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

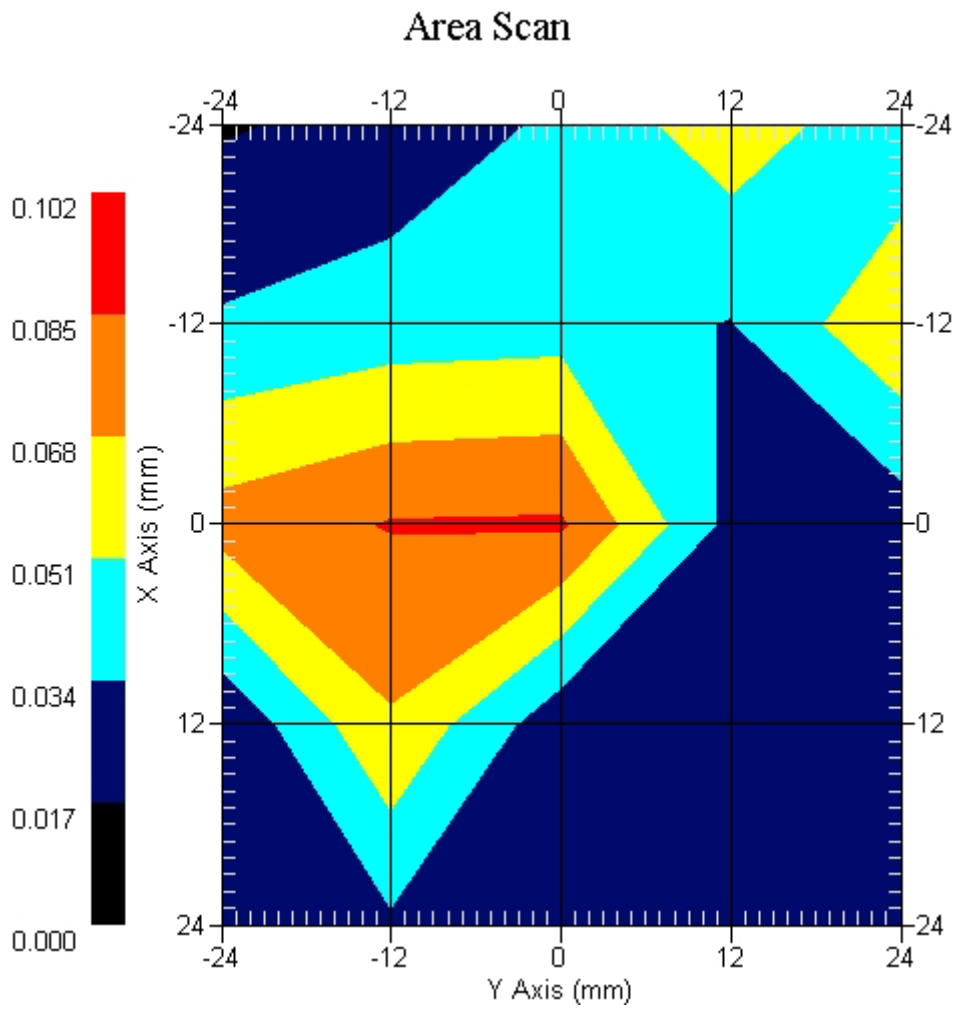
Measurement Data

Crest Factor : 1
Tissue Temp. : 20.60 °C
Ambient Temp. : 21.50 °C
Area Scan : 5x5x1 : Measurement x=12mm, y=12mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.050 W/kg
Power Drift-Finish: 0.048 W/kg
Power Drift (%) : -4.000

DUT Position : Touch
Channel : 9263



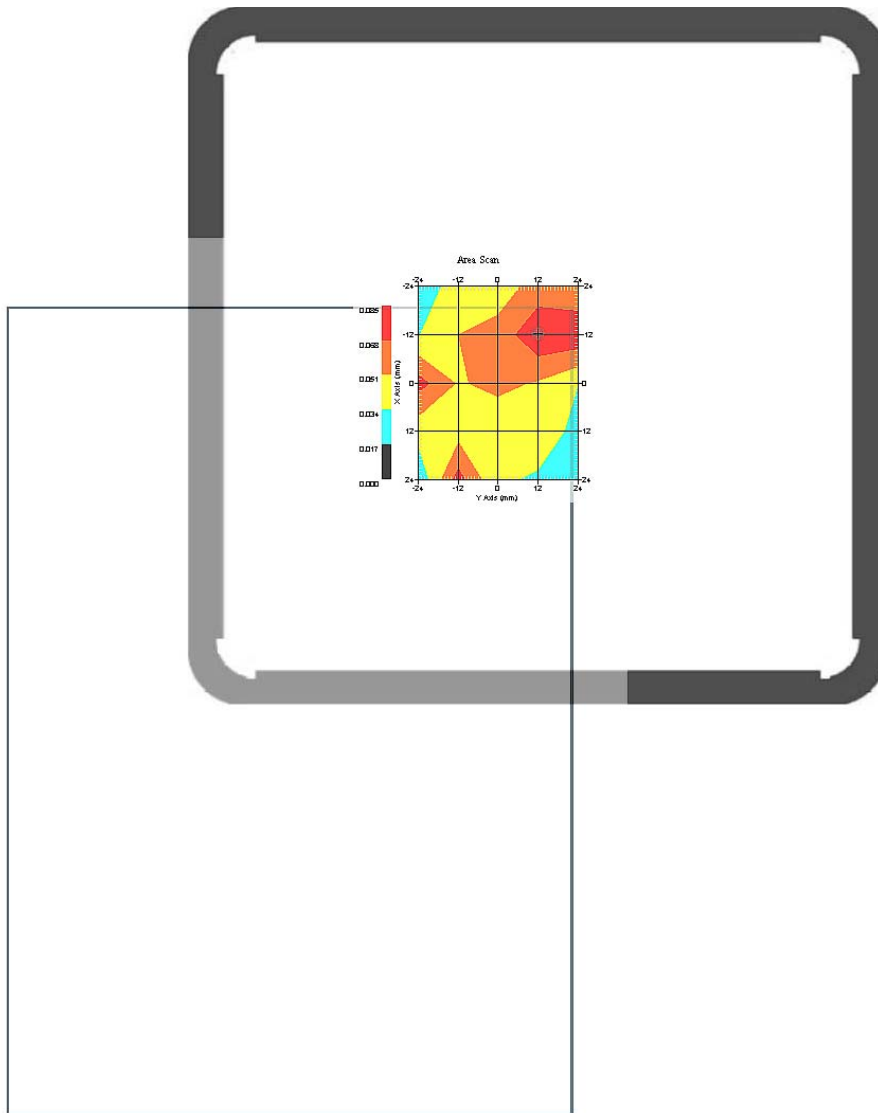
1 gram SAR value : 0.074 W/kg
10 gram SAR value : 0.041 W/kg
Area Scan Peak SAR : 0.087 W/kg
Zoom Scan Peak SAR : 0.180 W/kg



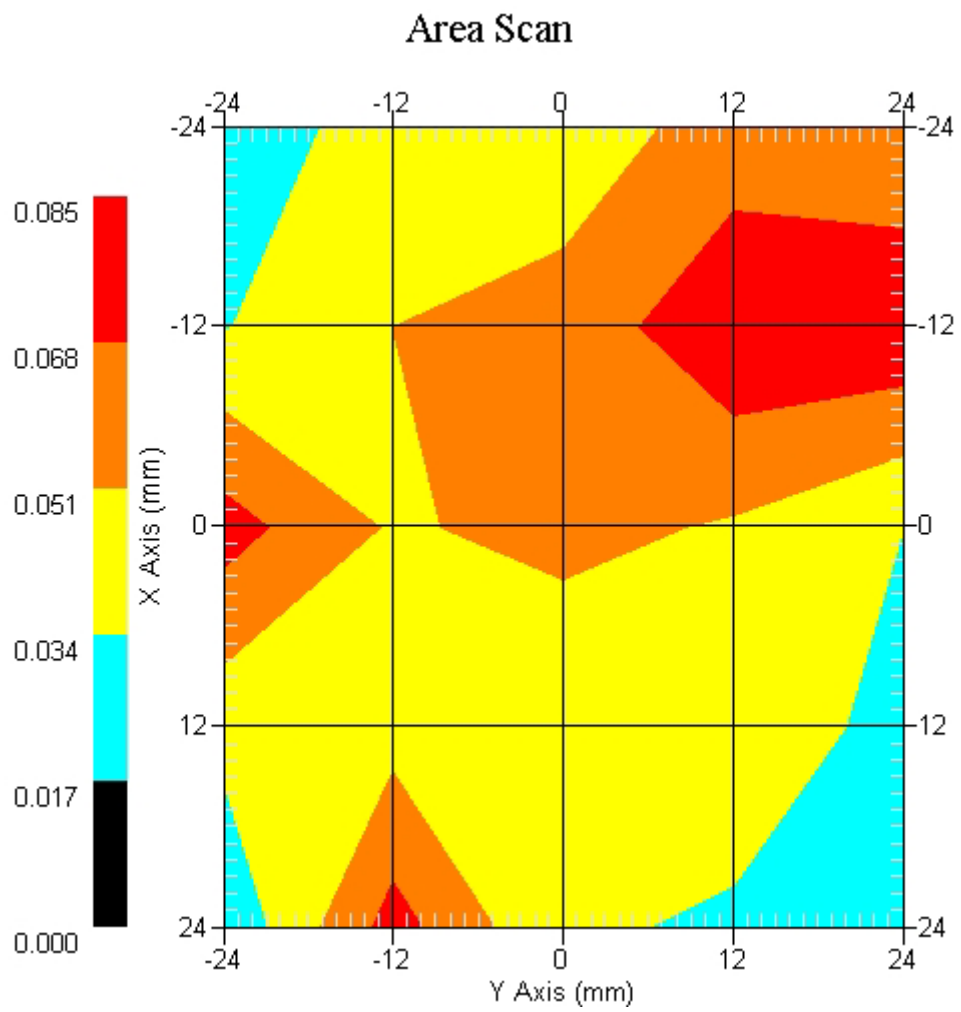
Measurement Data

Crest Factor : 1
Tissue Temp. : 20.60 °C
Ambient Temp. : 21.50 °C
Area Scan : 5x5x1 : Measurement x=12mm, y=12mm, z=4mm
Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
Power Drift-Start : 0.058 W/kg
Power Drift-Finish: 0.056 W/kg
Power Drift (%) : -3.448

DUT Position : Touch
Channel : 9400



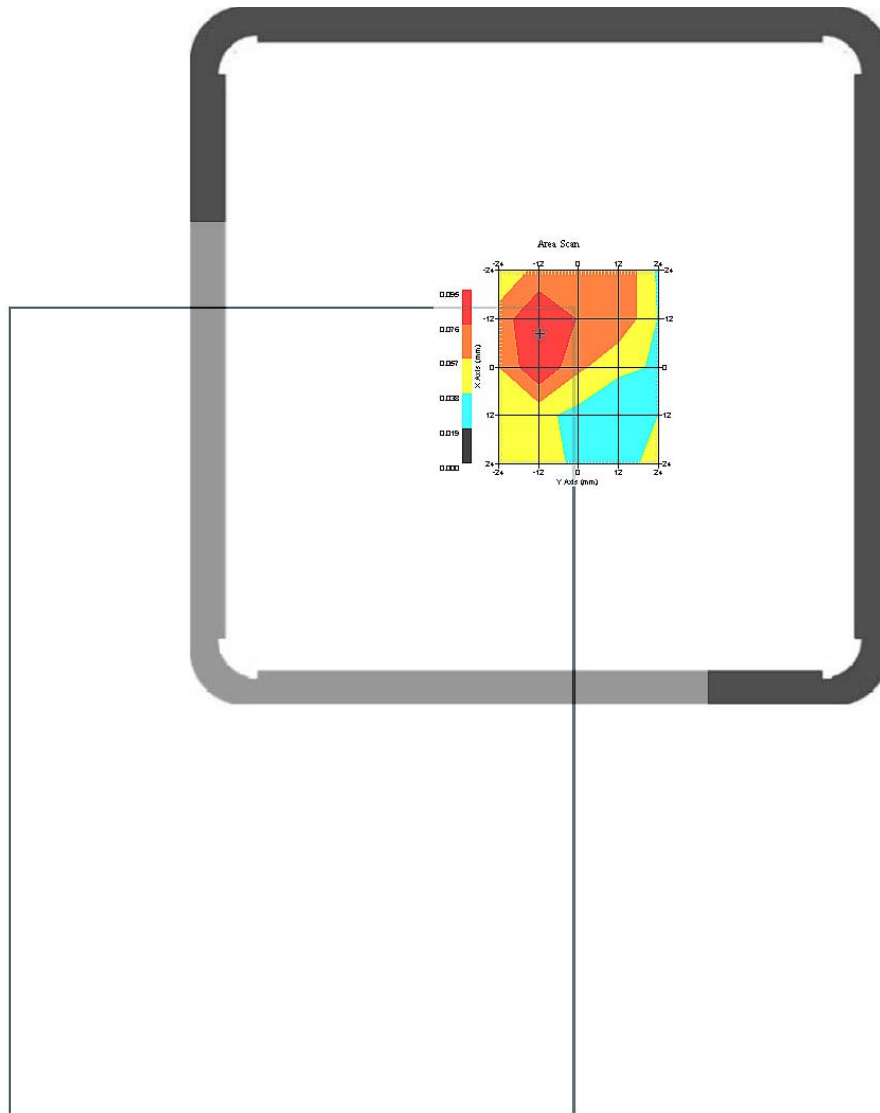
1 gram SAR value : 0.076 W/kg
10 gram SAR value : 0.045 W/kg
Area Scan Peak SAR : 0.083 W/kg
Zoom Scan Peak SAR : 0.180 W/kg



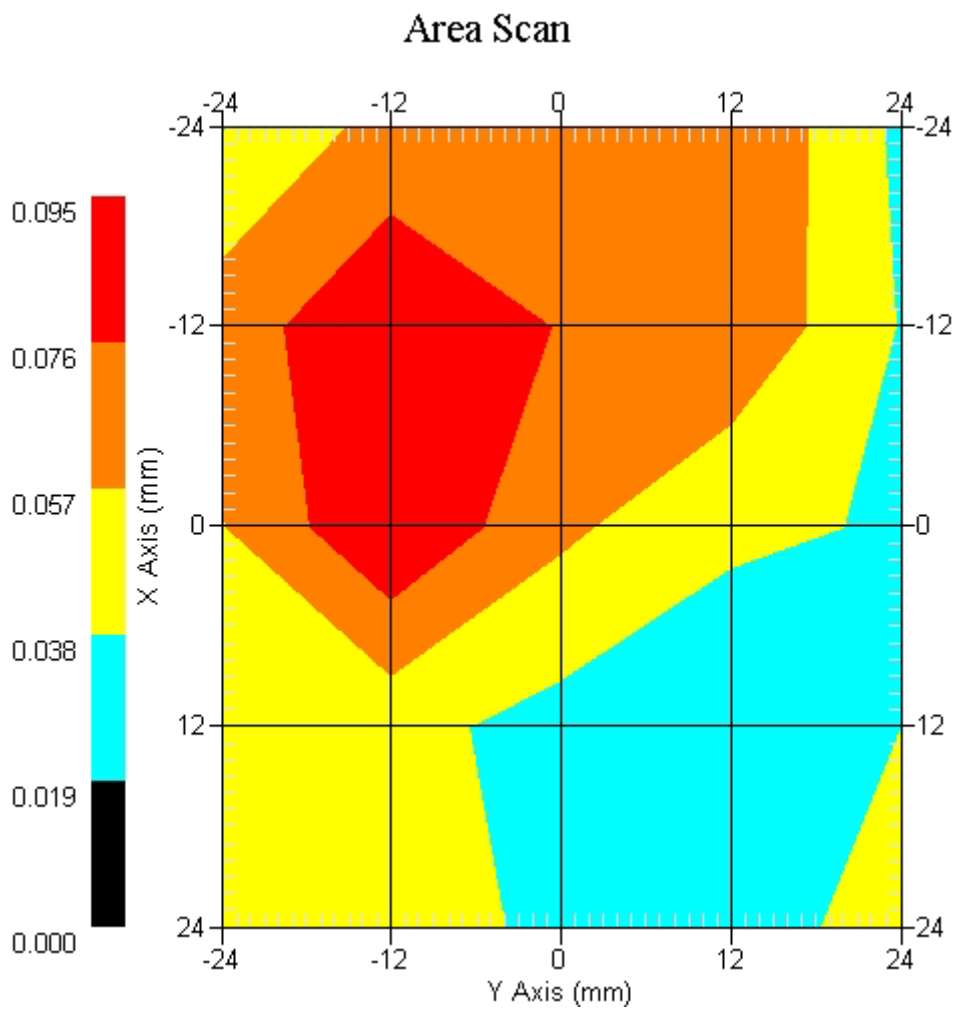
Measurement Data

Crest Factor : 1
 Tissue Temp. : 20.60 °C
 Ambient Temp. : 21.50 °C
 Area Scan : 5x5x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.061 W/kg
 Power Drift-Finish: 0.059 W/kg
 Power Drift (%) : -3.278

DUT Position : Touch
 Channel : 9537



1 gram SAR value : 0.082 W/kg
 10 gram SAR value : 0.054 W/kg
 Area Scan Peak SAR : 0.094 W/kg
 Zoom Scan Peak SAR : 0.160 W/kg



WCDMA1900(RMC) & 802.11a TX on, Z-Axis plot
channel: 9537

