

SAR System Validation Data

ALSAS-10U VER 2.3.0 APREL Laboratories

SAR Test Report

Report Date : 26-Sep-2006
Measurement Date : 26-Sep-2006

Product Data

Device Name : Dipole-900
Type : Dipole
Frequency : 900.00 MHz
Max. Transmit Pwr : 0.25 W
Drift Time : 0 min(s)
Length : 149 mm
Width : 3.6 mm
Depth : 83.3 mm
Power Drift-Start : 2.420 W/kg
Power Drift-Finish: 2.431 W/kg
Power Drift (%) : 0.455

Phantom Data

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

Tissue Data

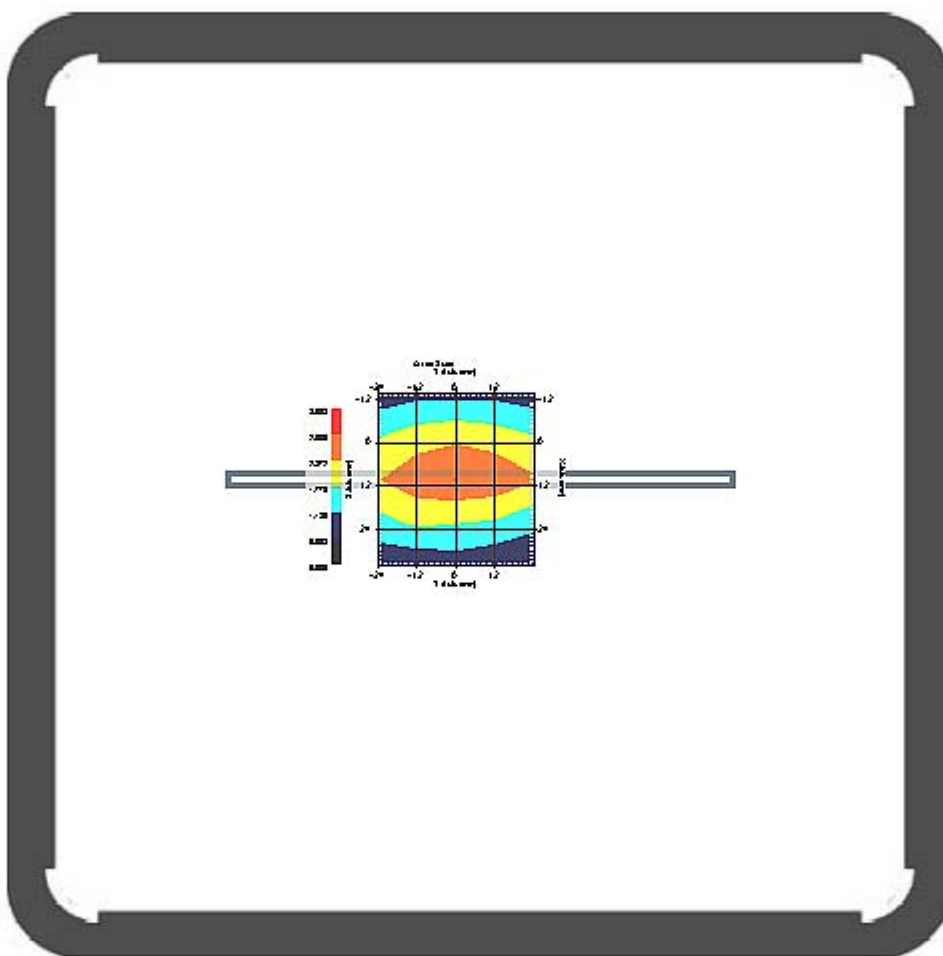
Type : HEAD
Serial No. : 323-H
Frequency : 900.00 MHz
Last Calib. Date : 26-Sep-2006
Temperature : 22.10 °C
Ambient Temp. : 22.40 °C
Humidity : 53.00 RH%
Epsilon : 40.33 F/m
Sigma : 0.996 S/m
Density : 1000.00 kg/cu. m

Probe Data

Name : Probe 264
Model : E020
Type : E-Field Triangle
Serial No. : 264
Last Calib. Date : 21-Mar-2006
Frequency : 900.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 6.2
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

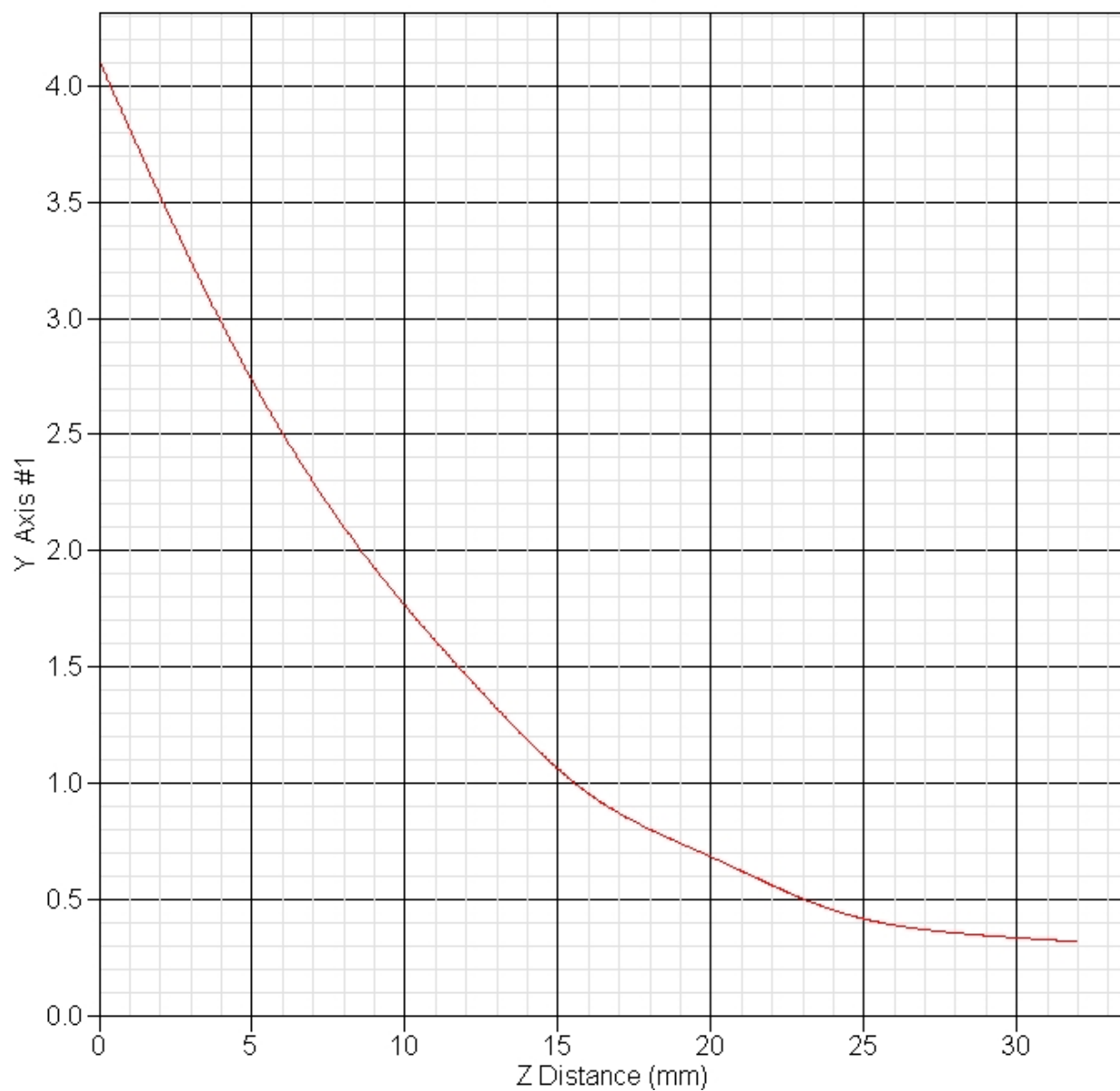
Crest Factor : 1
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 5x5x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Frequency : 900



1 gram SAR value : 2.706 W/kg
 10 gram SAR value : 1.733 W/kg
 Area Scan Peak SAR : 2.967 W/kg
 Zoom Scan Peak SAR : 4.113 W/kg

SAR-Z Axis

at Hotspot x:10.20 y:-2.00



ALSAS-10U VER 2.3.0 APREL Laboratories

SAR Test Report

Report Date : 26-Sep-2006
Measurement Date : 26-Sep-2006

Product Data

Device Name : Dipole-1800
Type : Dipole
Frequency : 1800.00 MHz
Max. Transmit Pwr : 0.25 W
Drift Time : 0 min(s)
Length : 72 mm
Width : 3.6 mm
Depth : 41.7 mm
Power Drift-Start : 8.594 W/kg
Power Drift-Finish: 8.613 W/kg
Power Drift (%) : 0.231

Phantom Data

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

Tissue Data

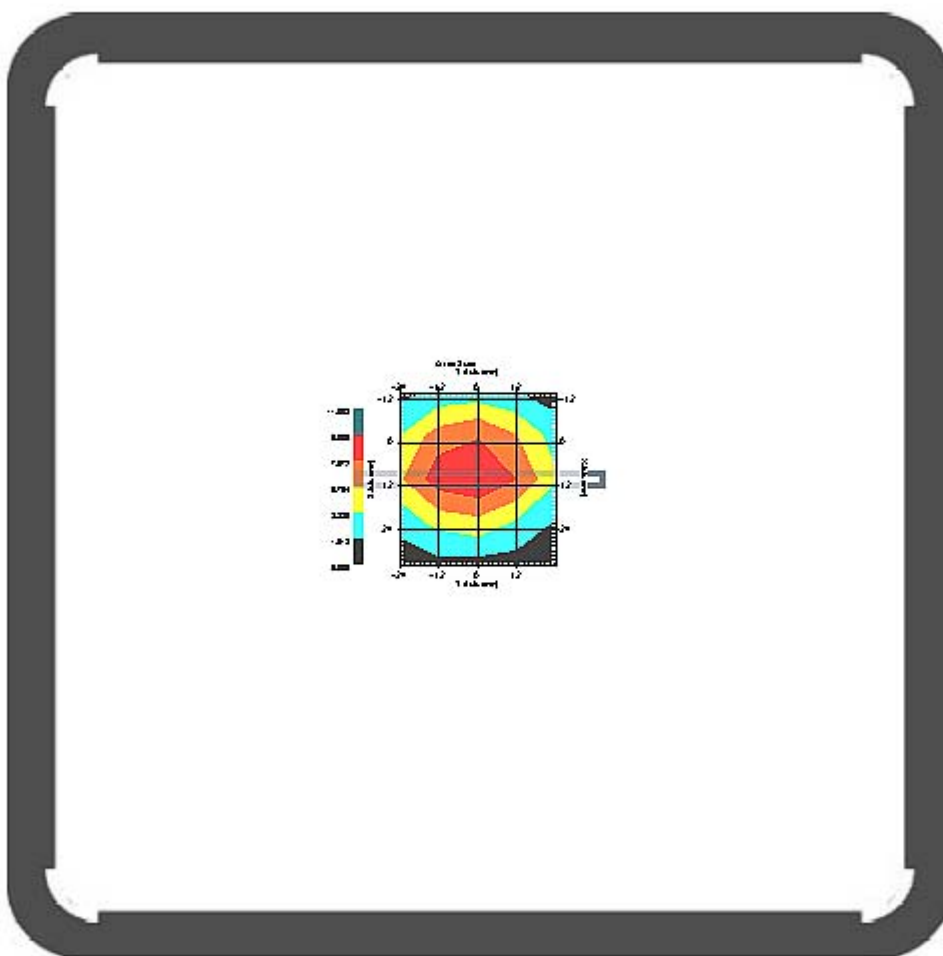
Type : HEAD
Serial No. : 324-H
Frequency : 1800.00 MHz
Last Calib. Date : 26-Sep-2006
Temperature : 22.10 °C
Ambient Temp. : 22.40 °C
Humidity : 53.00 RH%
Epsilon : 38.82 F/m
Sigma : 1.451 S/m
Density : 1000.00 kg/cu. m

Probe Data

Name : Probe 264
Model : E020
Type : E-Field Triangle
Serial No. : 264
Last Calib. Date : 21-Mar-2006
Frequency : 1800.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 5.6
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

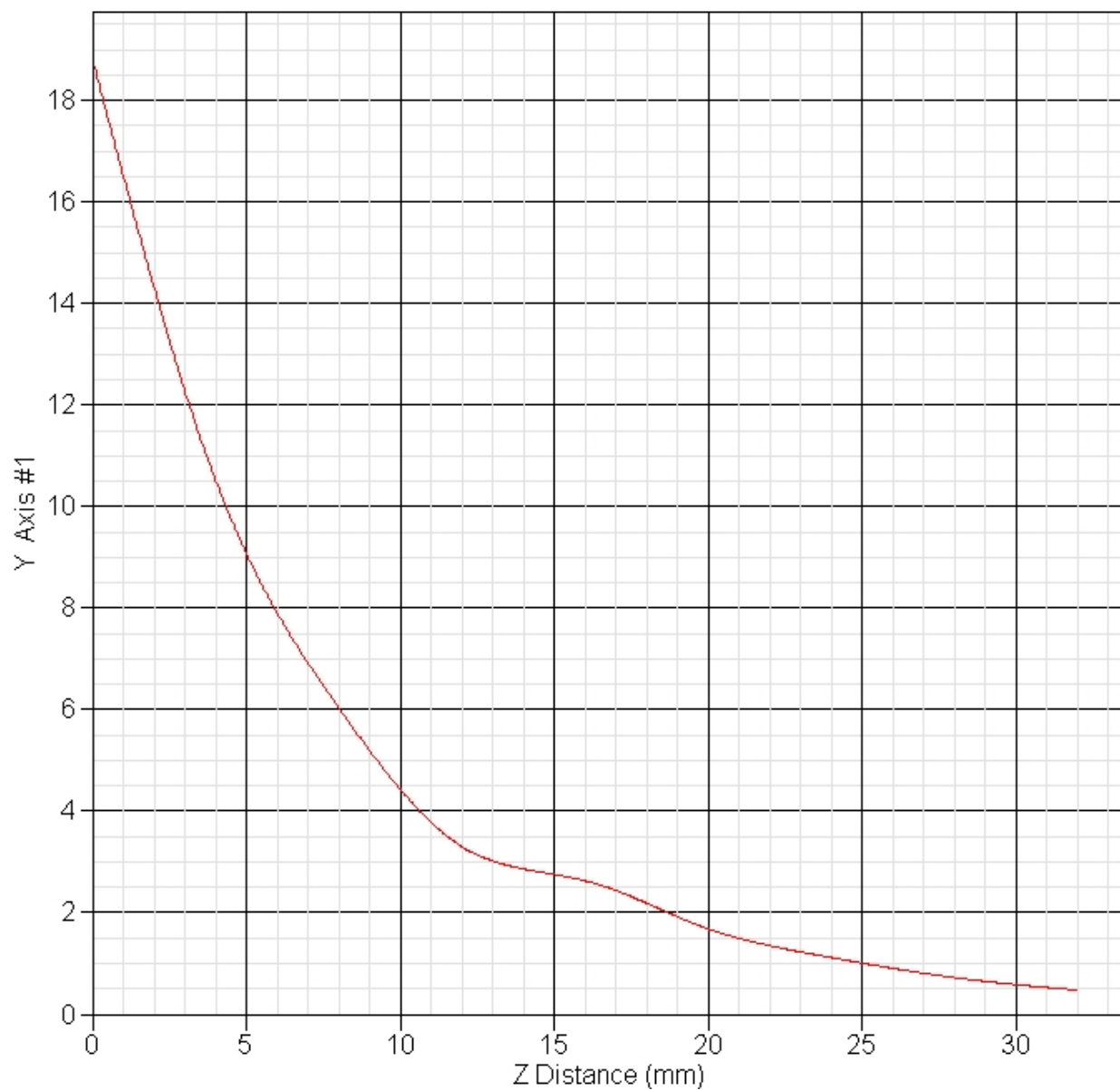
Crest Factor : 1
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 5x5x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Frequency : 1800



1 gram SAR value : 9.800 W/kg
 10 gram SAR value : 5.047 W/kg
 Area Scan Peak SAR : 9.590 W/kg
 Zoom Scan Peak SAR : 18.816 W/kg

SAR-Z Axis

at Hotspot x:10.20 y:-2.00



SAR Measurement Data

ALSAS-10U VER 2.3.2APREL Laboratories

SAR Test Report

Report Date : 26-Sep-2006
Measurement Date : 26-Sep-2006

Product Data

Device Name : Philips
Type : Std Form Cell Phone
Model : Xenium9@9m
Frequency : 1900.00 MHz
Max. Transmit Pwr : 1 W
Drift Time : 0 min(s)
Length : 106 mm
Width : 50.6 mm
Depth : 18.5 mm
Antenna Type : Internal

Phantom Data

Type : SAM-Right
Size (mm) : 280 x 280 x 280
Location : Right

Tissue Data

Type : HEAD
Serial No. : 324-H
Frequency : 1900.00 MHz
Last Calib. Date : 26-Sep-2006
Temperature : 22.10 °C
Ambient Temp. : 22.40 °C
Humidity : 53.00 RH%
Epsilon : 38.94 F/m
Sigma : 1.447 S/m
Density : 1000.00 kg/cu. M

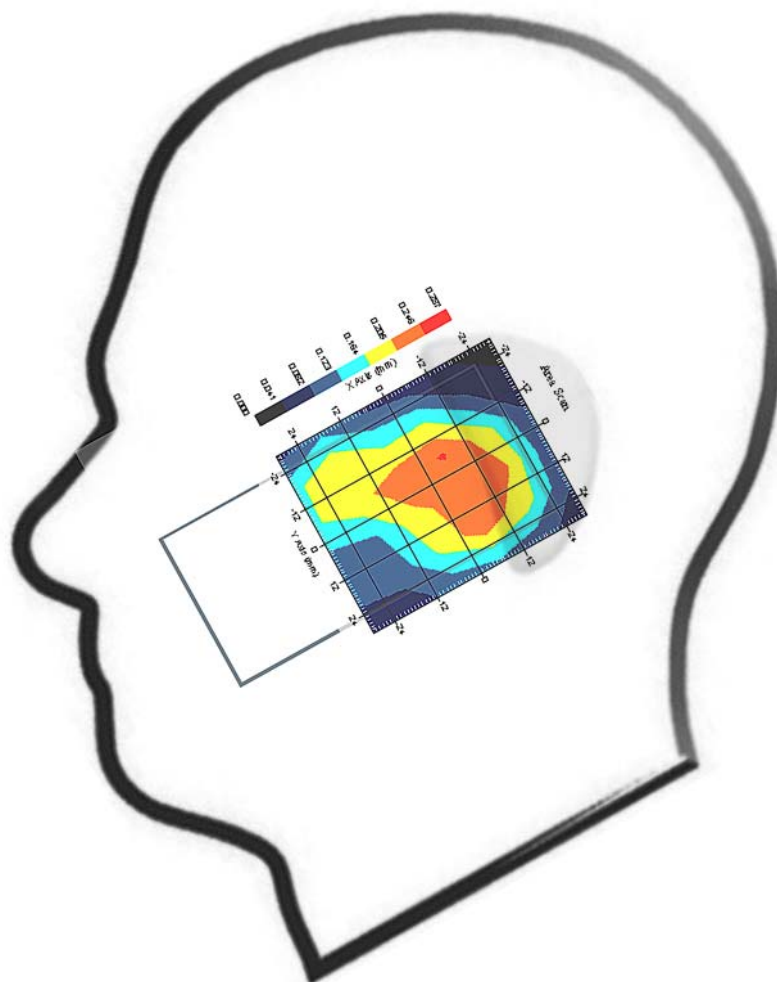
Probe Data

Name : Probe 264
Model : E020
Type : E-Field Triangle
Serial No. : 264
Last Calib. Date : 21-Mar-2006
Frequency : 1900.00 MHz
Duty Cycle Factor: 8
Conversion Factor: 5.5
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

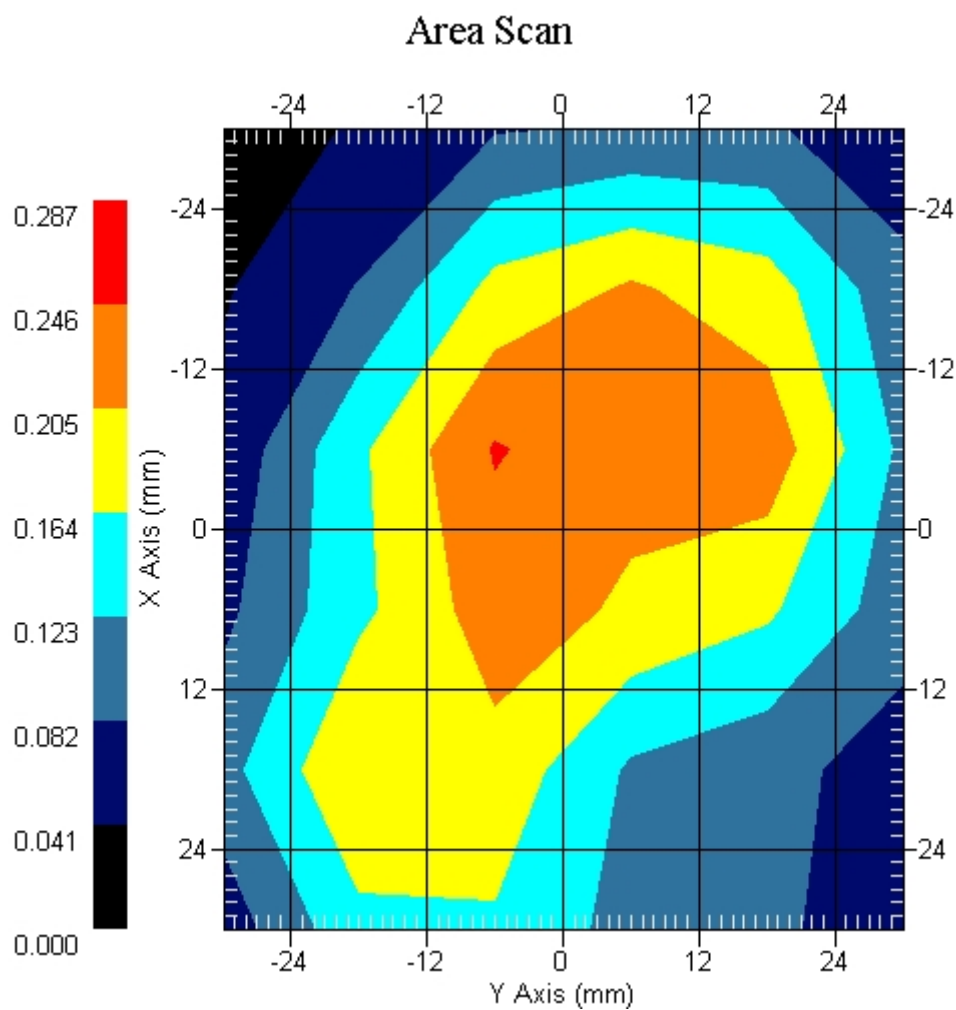
Crest Factor : 8
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.272 W/kg
 Power Drift-Finish: 0.262 W/kg
 Power Drift (%) : -3.756

DUT Position : Touch
 Channel : 512



1 gram SAR value : 0.266 W/kg
 10 gram SAR value : 0.181 W/kg
 Area Scan Peak SAR : 0.249 W/kg
 Zoom Scan Peak SAR : 0.430 W/kg

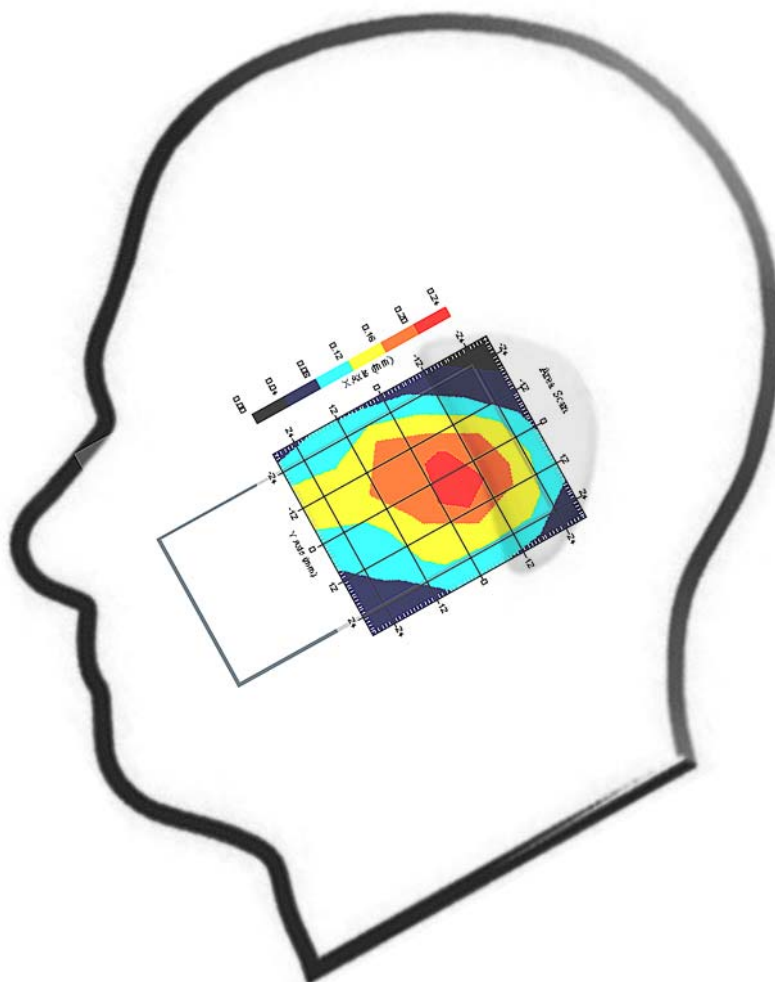
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Measurement Data

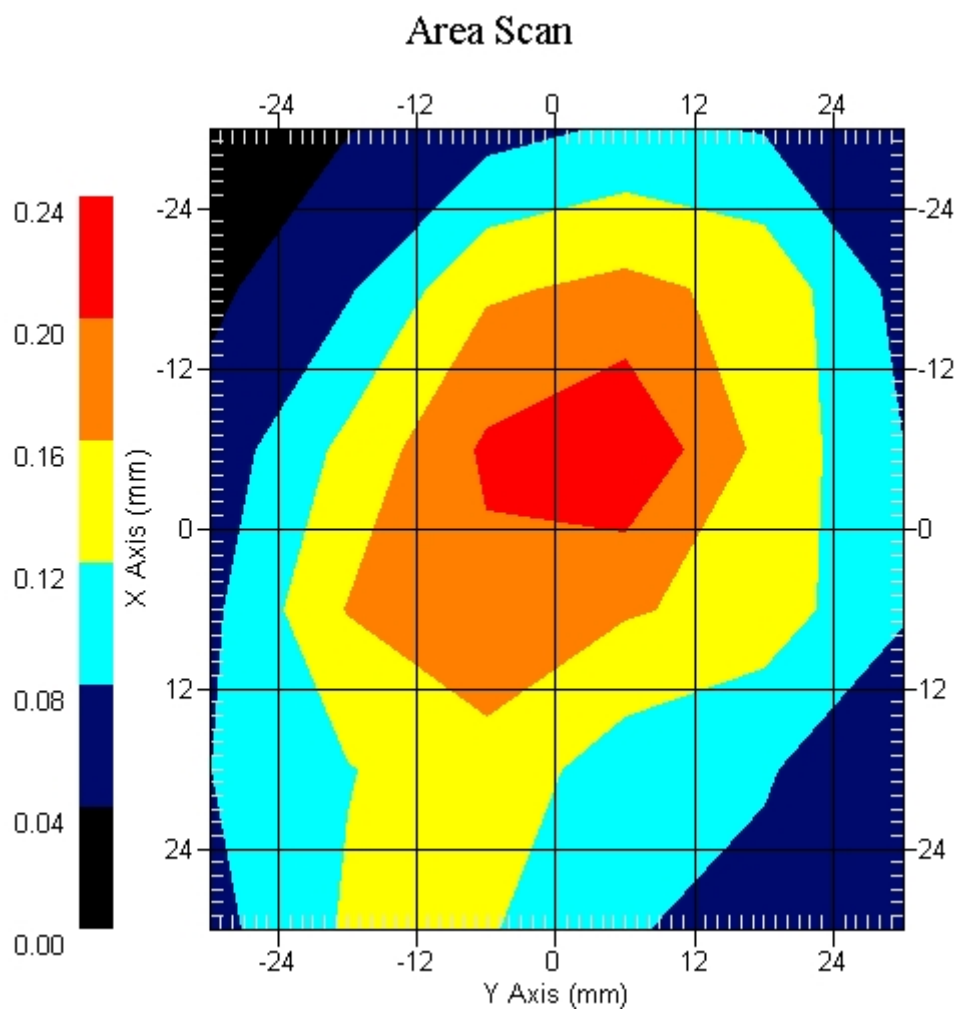
Crest Factor : 8
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.222 W/kg
 Power Drift-Finish: 0.218 W/kg
 Power Drift (%) : -1.871

DUT Position : Touch
 Channel : 661



1 gram SAR value : 0.331 W/kg
 10 gram SAR value : 0.179 W/kg
 Area Scan Peak SAR : 0.237 W/kg
 Zoom Scan Peak SAR : 0.590 W/kg

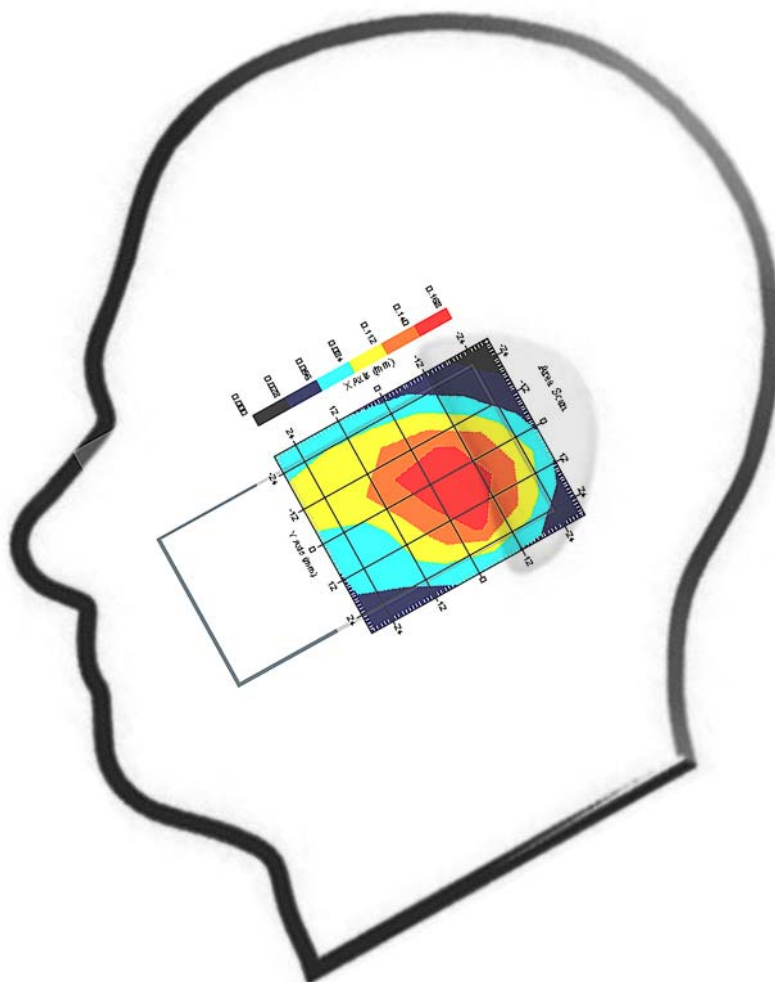
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Measurement Data

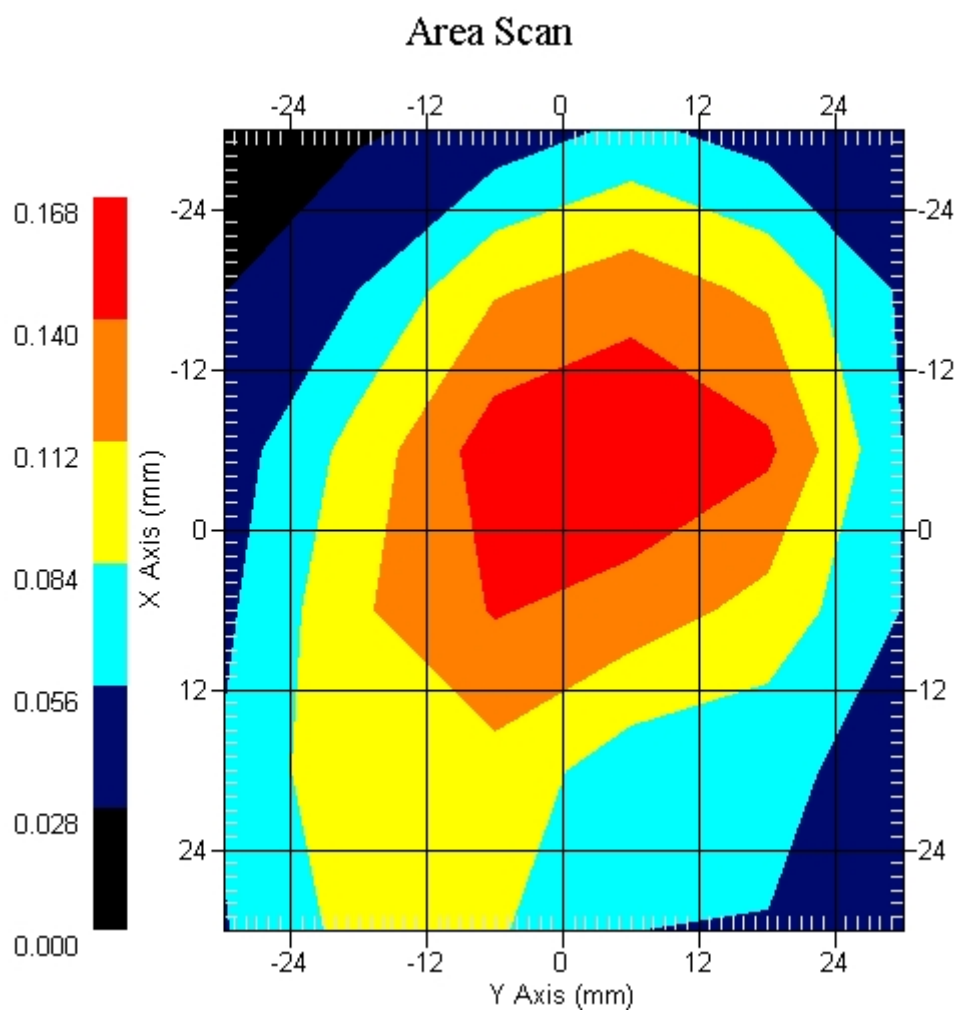
Crest Factor : 8
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.163 W/kg
 Power Drift-Finish: 0.161 W/kg
 Power Drift (%) : -1.376

DUT Position : Touch
 Channel : 810



1 gram SAR value : 0.144 W/kg
 10 gram SAR value : 0.090 W/kg
 Area Scan Peak SAR : 0.167 W/kg
 Zoom Scan Peak SAR : 0.250 W/kg

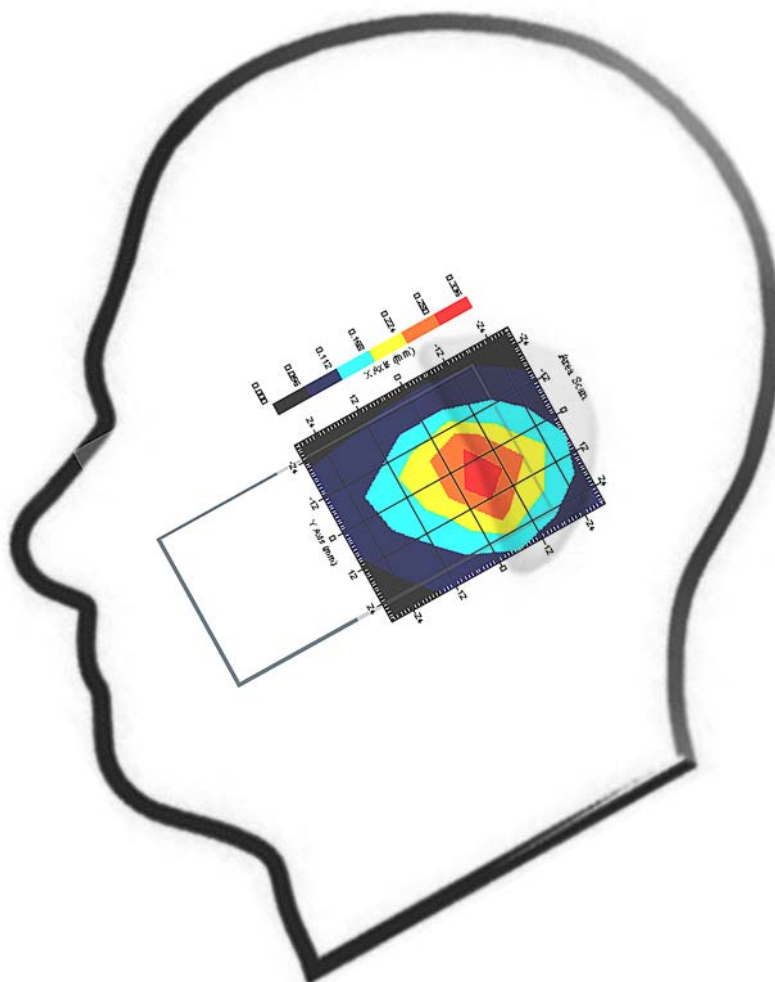
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Measurement Data

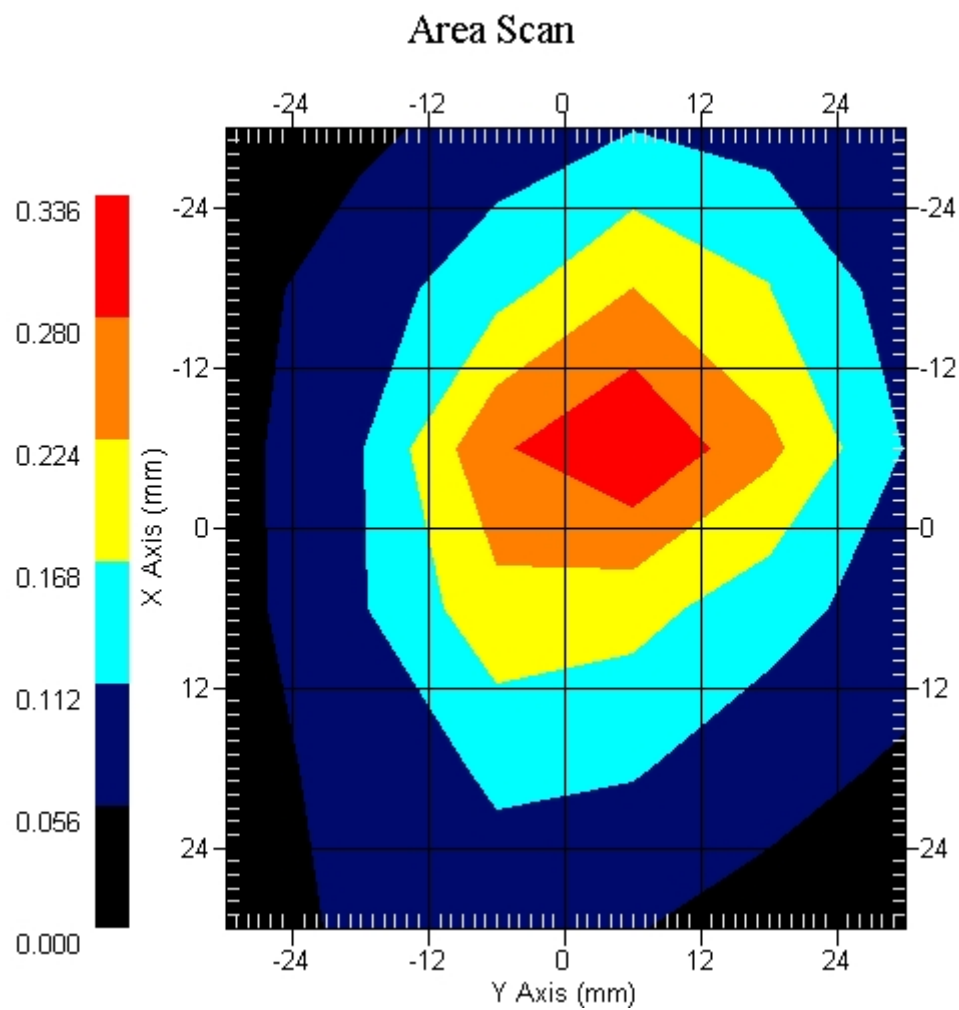
Crest Factor : 8
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.315 W/kg
 Power Drift-Finish: 0.312 W/kg
 Power Drift (%) : -0.922

DUT Position : 15° Tilt
 Channel : 512



1 gram SAR value : 0.309 W/kg
 10 gram SAR value : 0.174 W/kg
 Area Scan Peak SAR : 0.334 W/kg
 Zoom Scan Peak SAR : 0.530 W/kg

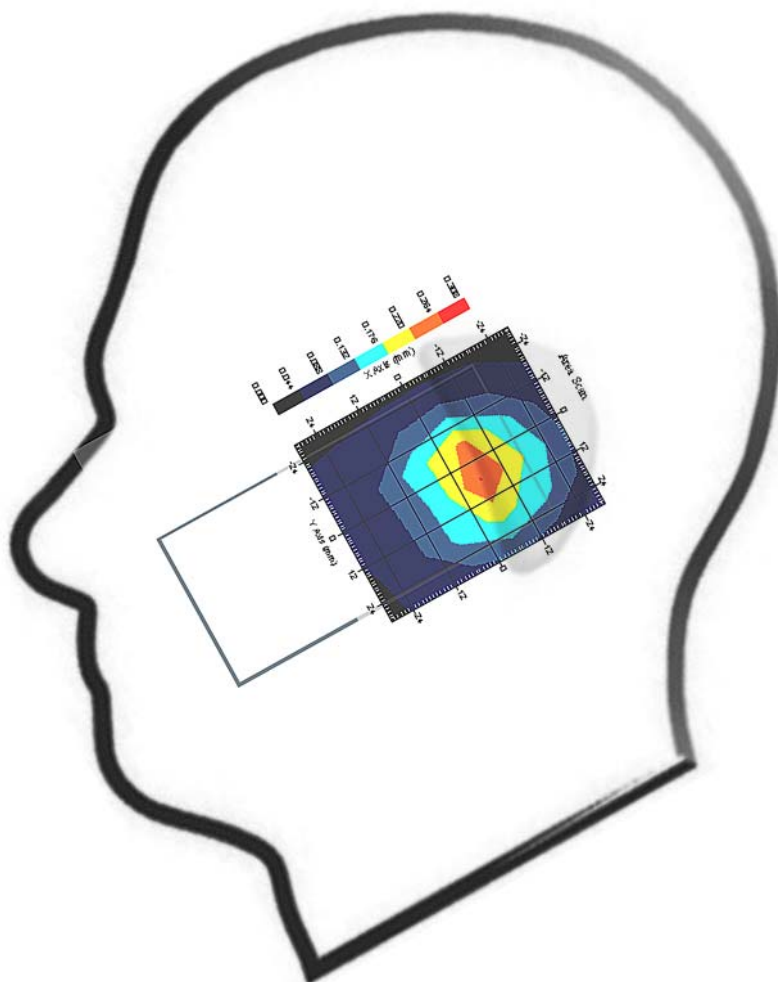
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Measurement Data

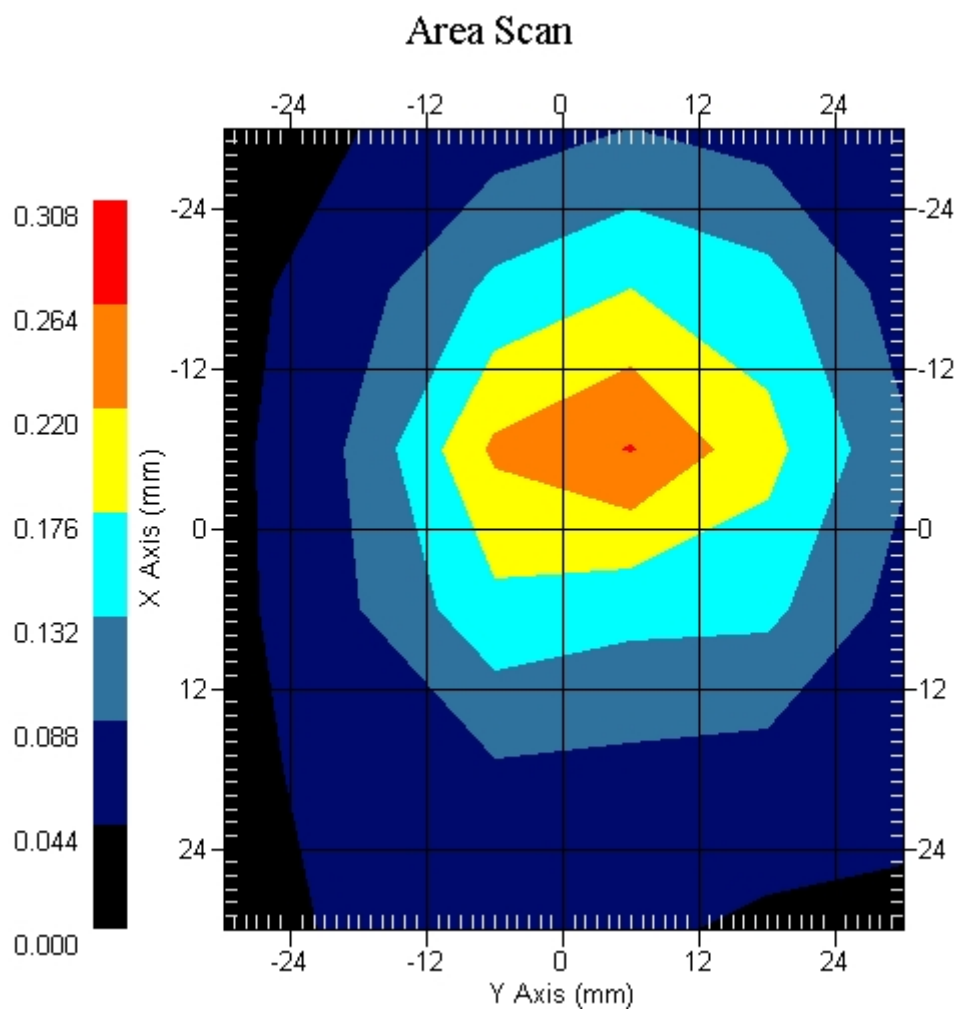
Crest Factor : 8
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.257 W/kg
 Power Drift-Finish: 0.261 W/kg
 Power Drift (%) : 1.730

DUT Position : 15° Tilt
 Channel : 661



1 gram SAR value : 0.243 W/kg
 10 gram SAR value : 0.140 W/kg
 Area Scan Peak SAR : 0.266 W/kg
 Zoom Scan Peak SAR : 0.420 W/kg

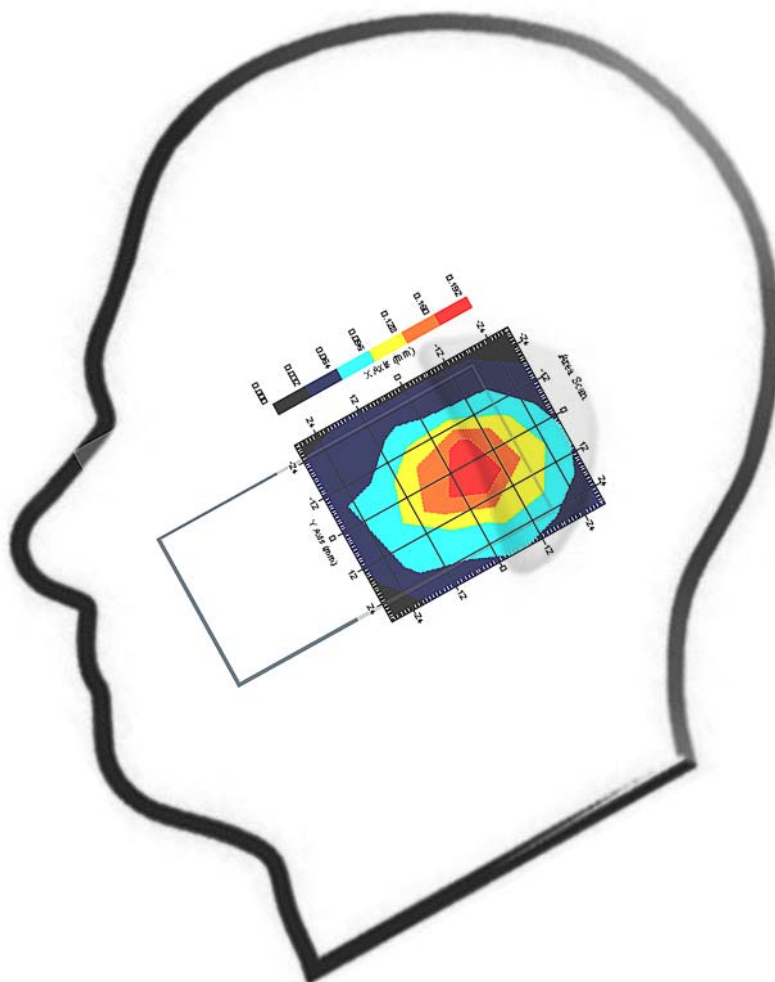
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Measurement Data

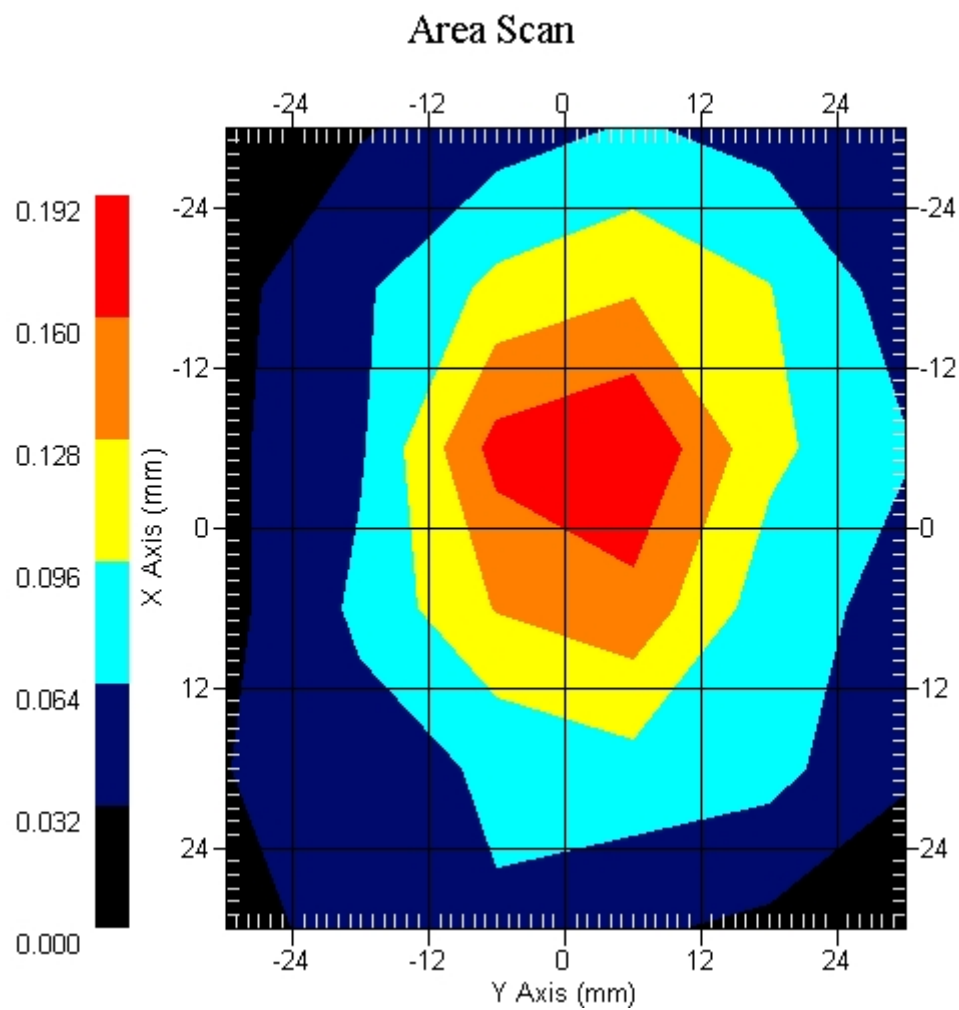
Crest Factor : 8
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.150 W/kg
 Power Drift-Finish: 0.152 W/kg
 Power Drift (%) : 1.300

DUT Position : 15° Tilt
 Channel : 810



1 gram SAR value : 0.172 W/kg
 10 gram SAR value : 0.103 W/kg
 Area Scan Peak SAR : 0.191 W/kg
 Zoom Scan Peak SAR : 0.340 W/kg

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SAR Measurement Data

ALSAS-10U VER 2.3.2APREL Laboratories

SAR Test Report

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Product Data

Device Name : Philips
Type : Std Form Cell Phone
Model : Xenium9@9m
Frequency : 1900.00 MHz
Max. Transmit Pwr : 1 W
Drift Time : 0 min(s)
Length : 106 mm
Width : 50.6 mm
Depth : 18.5 mm
Antenna Type : Internal

Phantom Data

Type : SAM-Left
Size (mm) : 280 x 280 x 280
Location : Left

Tissue Data

Type : HEAD
Serial No. : 324-H
Frequency : 1900.00 MHz
Last Calib. Date : 26-Sep-2006
Temperature : 22.10 °C
Ambient Temp. : 22.40 °C
Humidity : 53.00 RH%
Epsilon : 38.94 F/m
Sigma : 1.447 S/m
Density : 1000.00 kg/cu. M

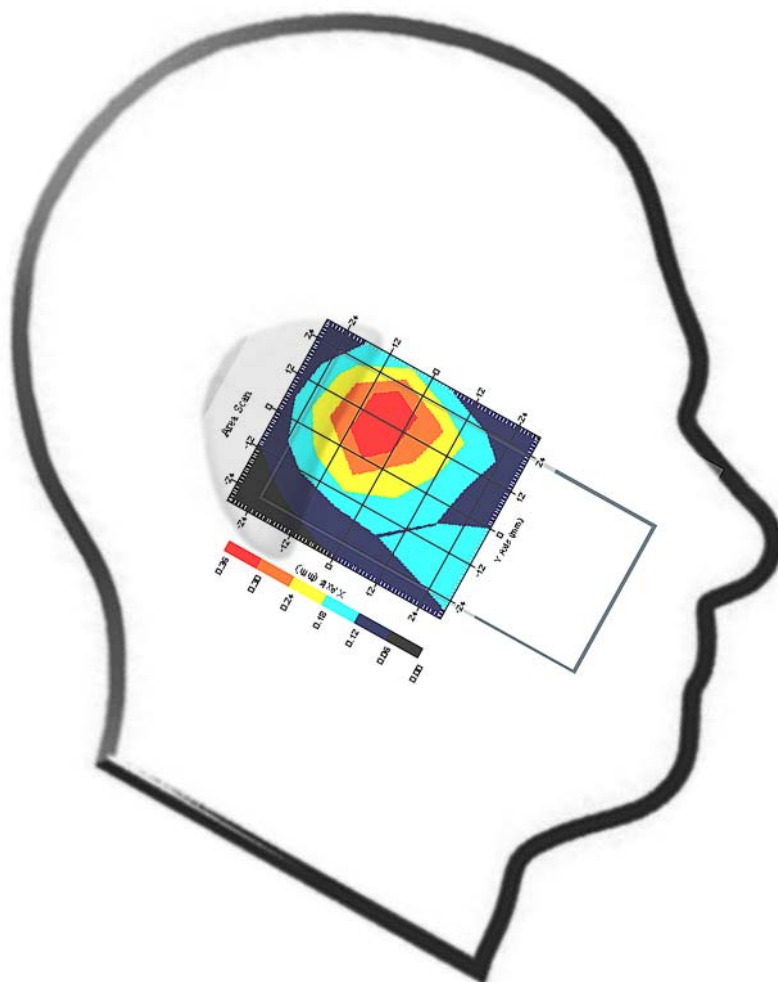
Probe Data

Name : Probe 264
Model : E020
Type : E-Field Triangle
Serial No. : 264
Last Calib. Date : 21-Mar-2006
Frequency : 1900.00 MHz
Duty Cycle Factor: 8
Conversion Factor: 5.5
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

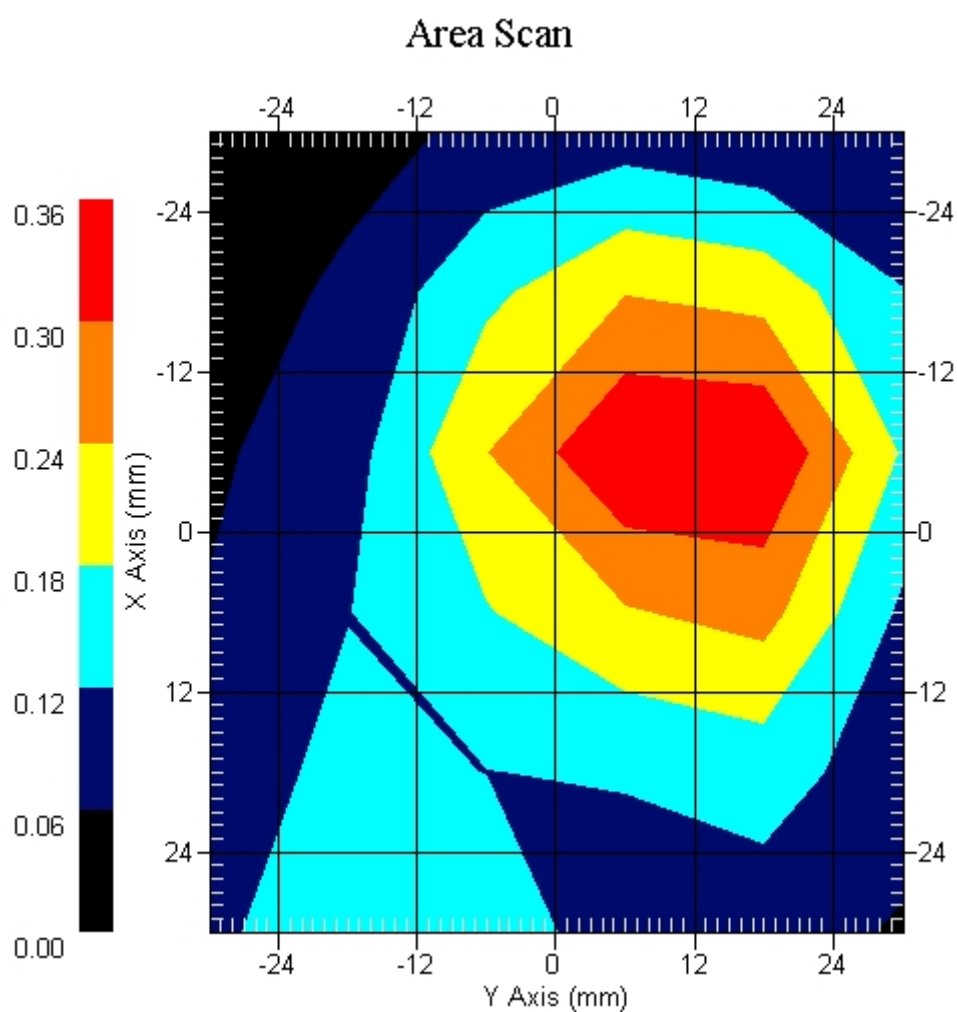
Crest Factor : 8
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.229 W/kg
 Power Drift-Finish: 0.227 W/kg
 Power Drift (%) : -0.698

DUT Position : Touch
 Channel : 512



1 gram SAR value : 0.323 W/kg
 10 gram SAR value : 0.175 W/kg
 Area Scan Peak SAR : 0.359 W/kg
 Zoom Scan Peak SAR : 0.570 W/kg

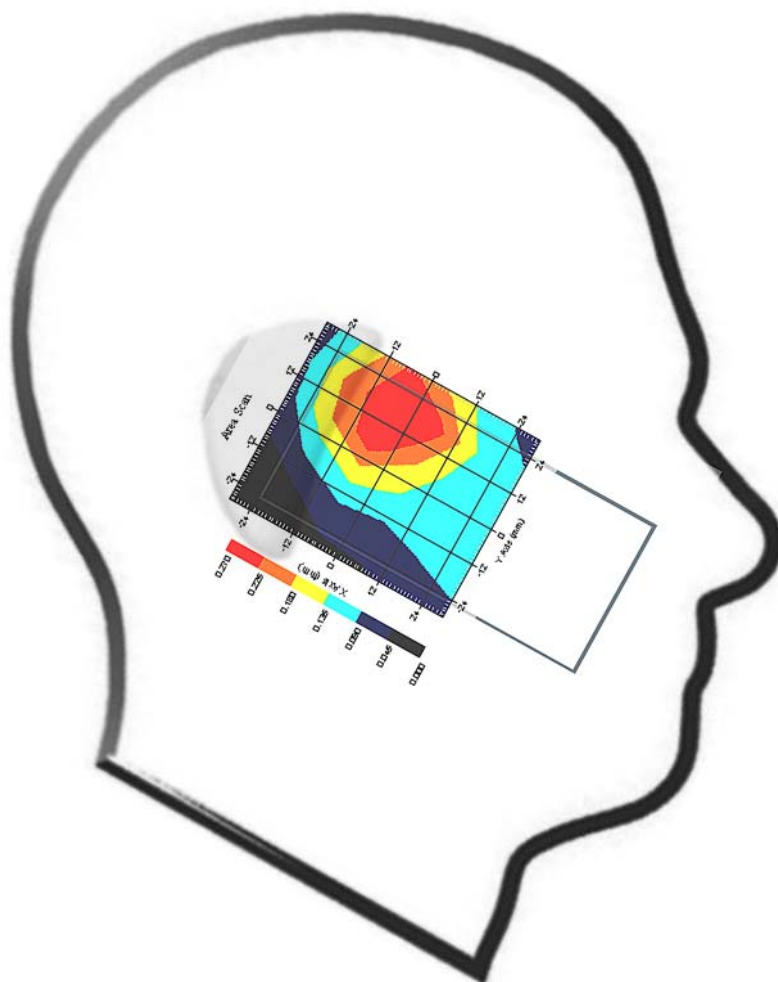
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Measurement Data

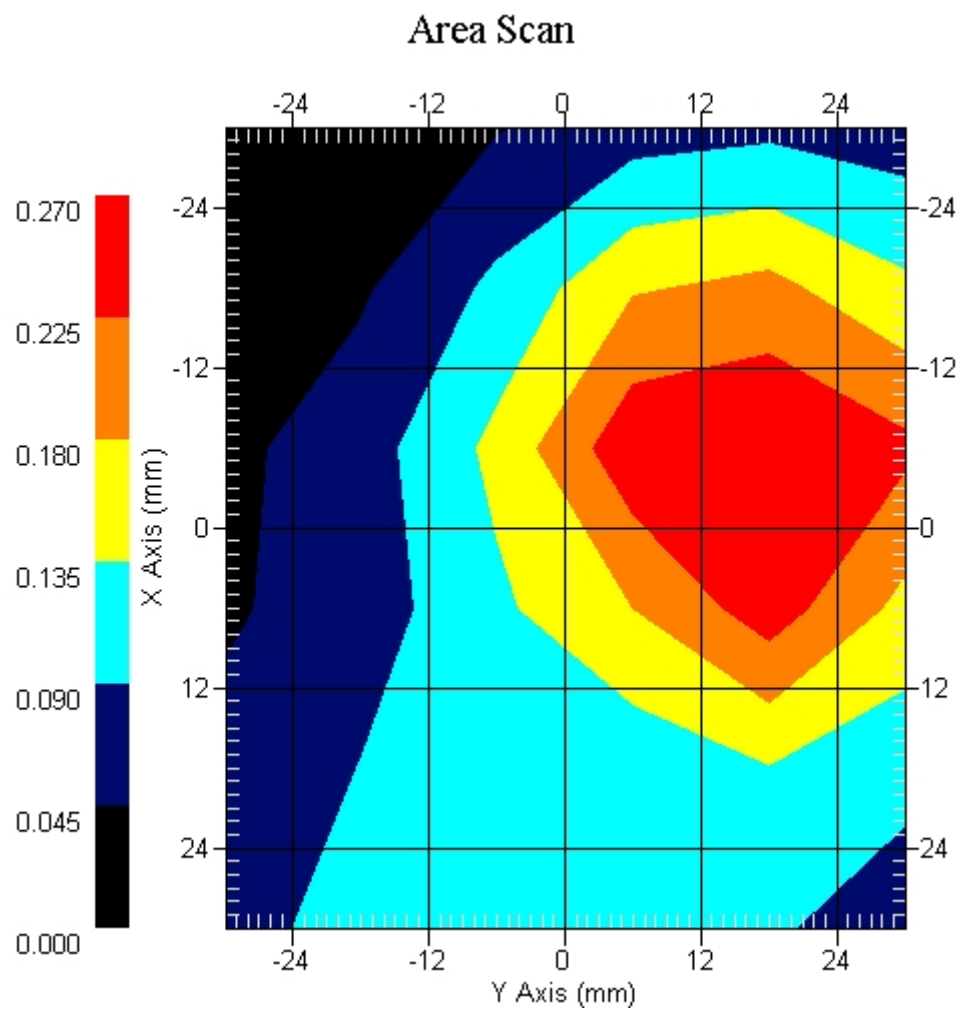
Crest Factor : 8
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.160 W/kg
 Power Drift-Finish: 0.161 W/kg
 Power Drift (%) : 0.445

DUT Position : Touch
 Channel : 661



1 gram SAR value : 0.316 W/kg
 10 gram SAR value : 0.170 W/kg
 Area Scan Peak SAR : 0.270 W/kg
 Zoom Scan Peak SAR : 0.580 W/kg

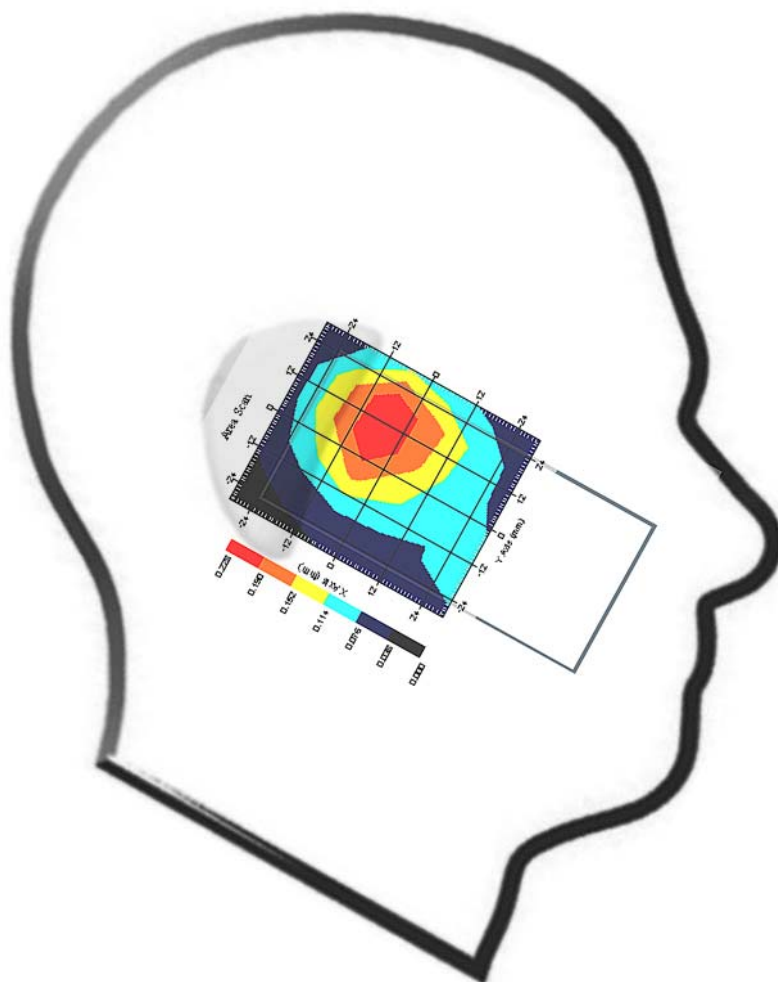
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Measurement Data

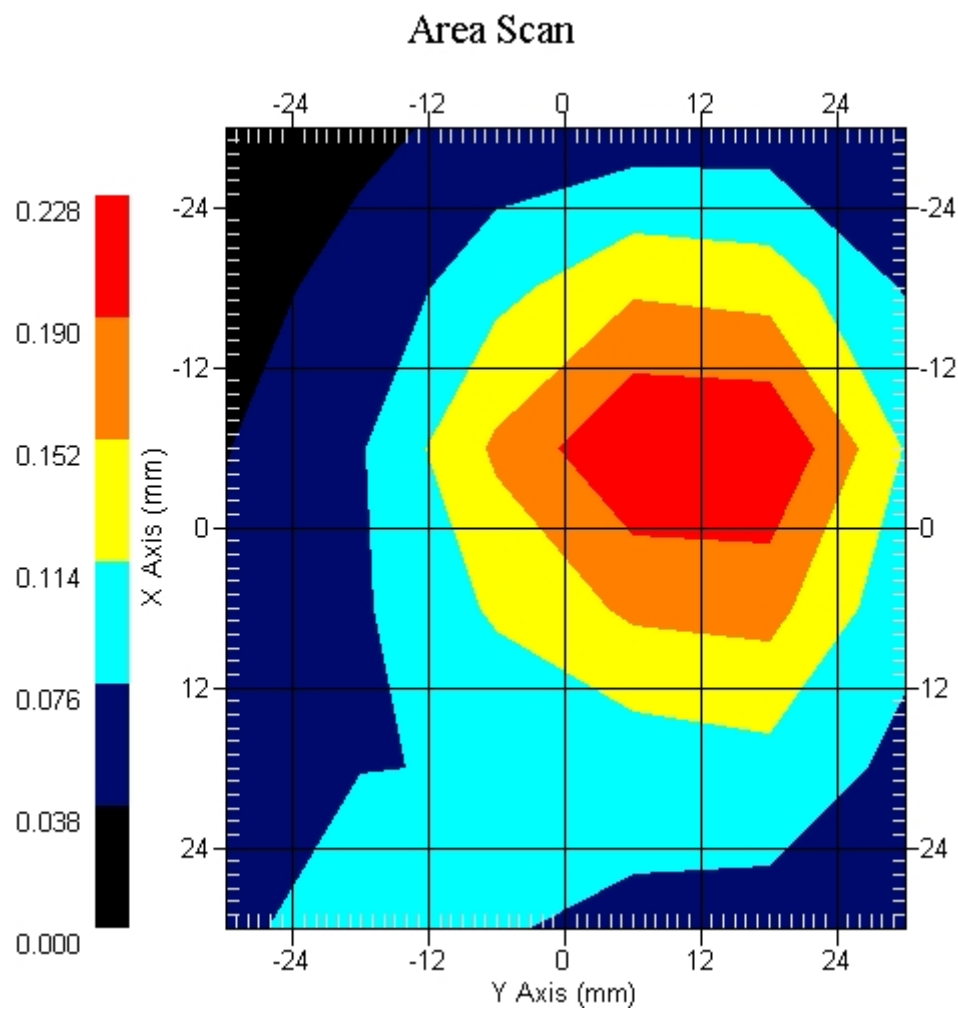
Crest Factor : 8
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.147 W/kg
 Power Drift-Finish: 0.151 W/kg
 Power Drift (%) : 2.629

DUT Position : Touch
 Channel : 810



1 gram SAR value : 0.224 W/kg
 10 gram SAR value : 0.124 W/kg
 Area Scan Peak SAR : 0.227 W/kg
 Zoom Scan Peak SAR : 0.380 W/kg

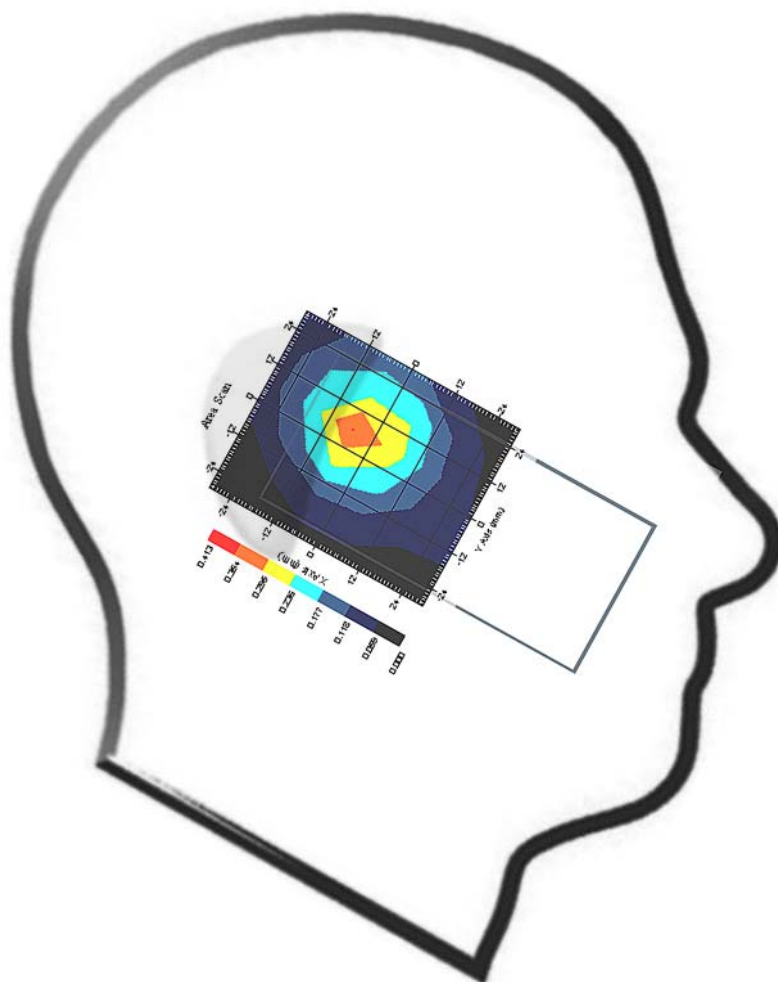
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Measurement Data

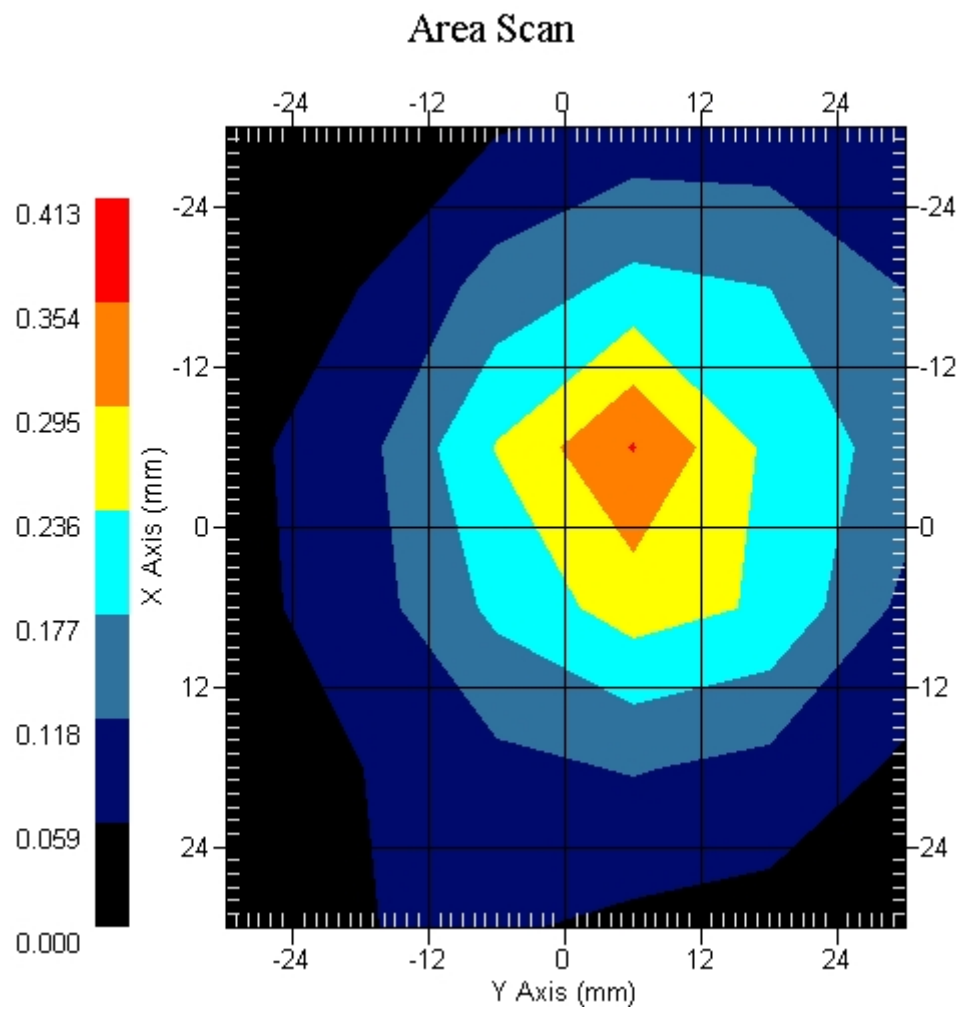
Crest Factor : 8
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.248 W/kg
 Power Drift-Finish: 0.237 W/kg
 Power Drift (%) : -4.439

DUT Position : 15° Tilt
 Channel : 512



1 gram SAR value : 0.295 W/kg
 10 gram SAR value : 0.162 W/kg
 Area Scan Peak SAR : 0.357 W/kg
 Zoom Scan Peak SAR : 0.510 W/kg

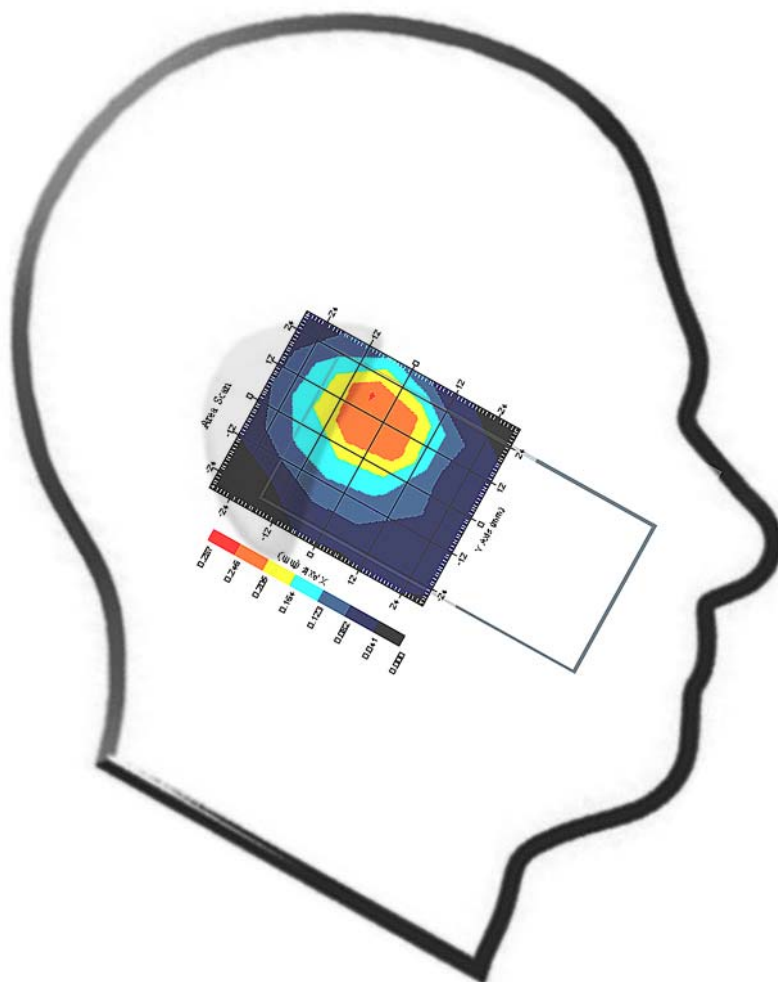
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Measurement Data

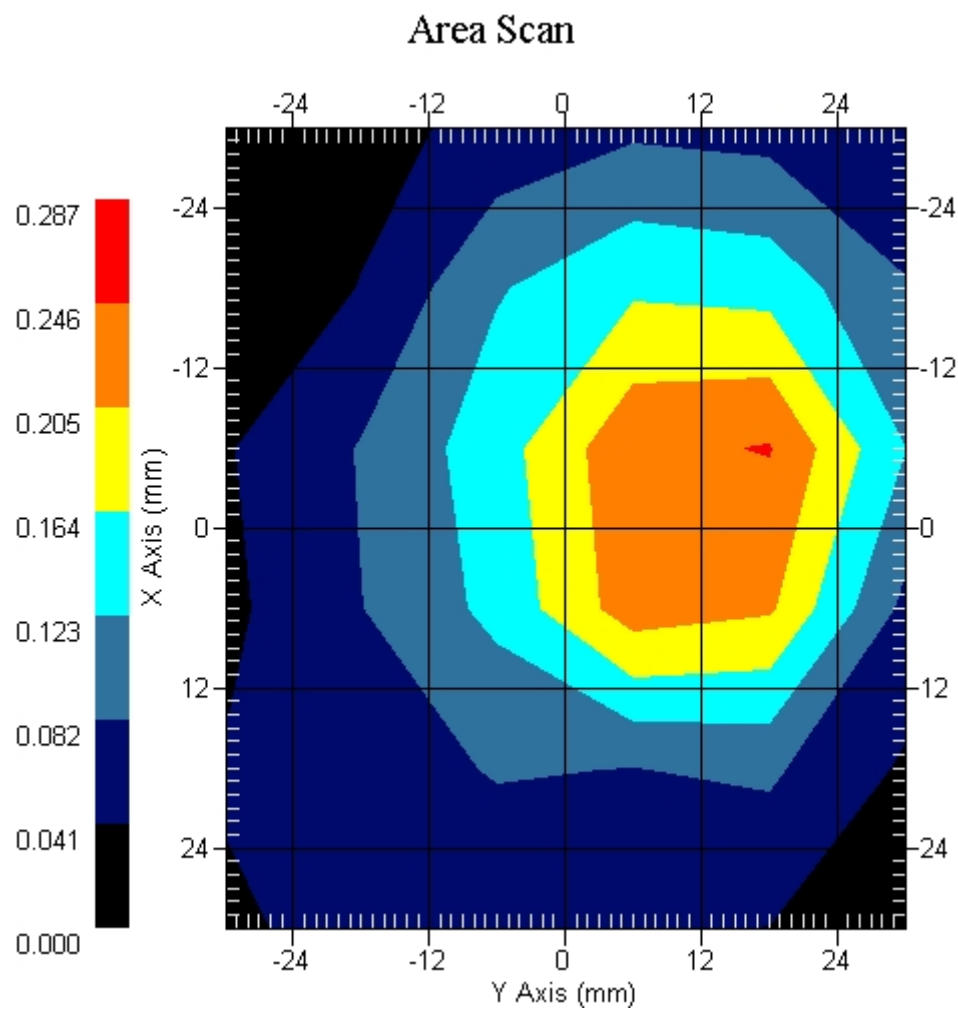
Crest Factor : 8
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.211 W/kg
 Power Drift-Finish: 0.206 W/kg
 Power Drift (%) : -2.489

DUT Position : 15° Tilt
 Channel : 810



1 gram SAR value : 0.261 W/kg
 10 gram SAR value : 0.148 W/kg
 Area Scan Peak SAR : 0.248 W/kg
 Zoom Scan Peak SAR : 0.460 W/kg

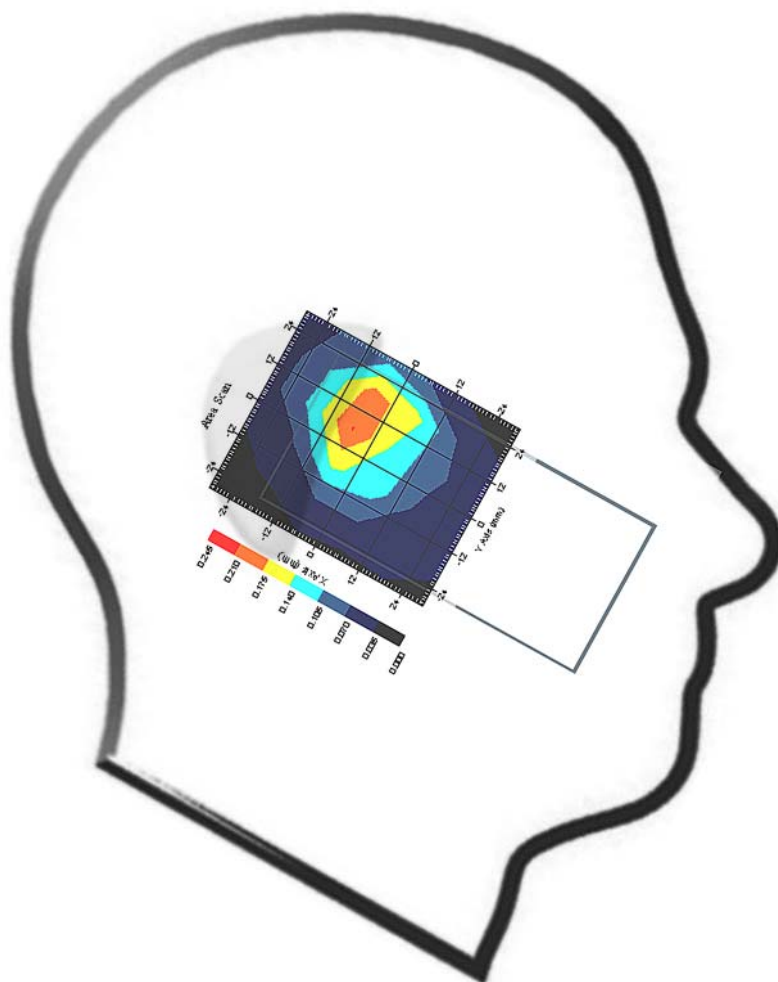
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Measurement Data

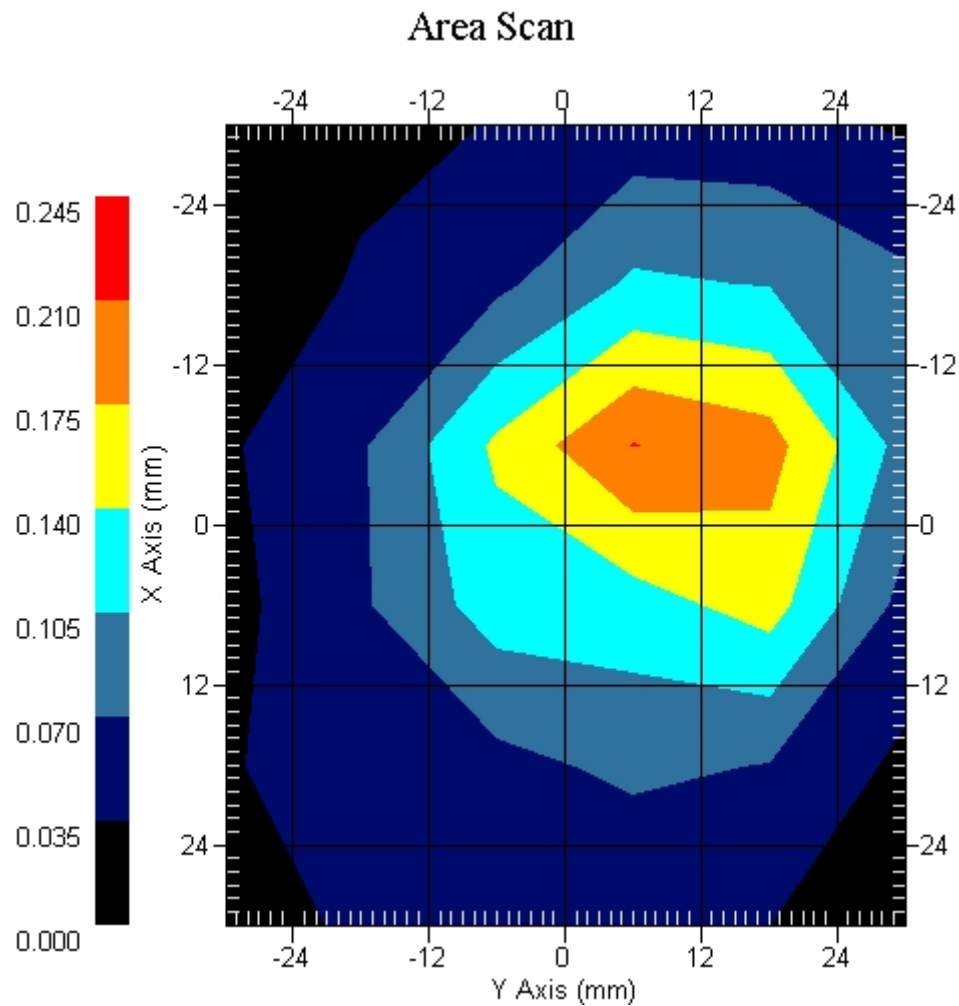
Crest Factor : 8
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.146 W/kg
 Power Drift-Finish: 0.150 W/kg
 Power Drift (%) : 2.366

DUT Position : 15° Tilt
 Channel : 810



1 gram SAR value : 0.179 W/kg
 10 gram SAR value : 0.100 W/kg
 Area Scan Peak SAR : 0.211 W/kg
 Zoom Scan Peak SAR : 0.320 W/kg

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SAR Measurement Data

ALSAS-10U VER 2.3.2APREL Laboratories

SAR Test Report

Report Date : 26-Sep-2006
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Product Data

Device Name : Philips
Type : Std Form Cell Phone
Model : Xenium9@9m
Frequency : 1900.00 MHz
Max. Transmit Pwr : 1 W
Drift Time : 0 min(s)
Length : 106 mm
Width : 50.6 mm
Depth : 18.5 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 : 26-Sep-2006
Temperature : 22.10 °C
Ambient Temp. : 22.40 °C
Humidity : 53.00 RH%
Epsilon : 51.72 F/m
Sigma : 1.569 S/m
Density : 1000.00 kg/cu. M

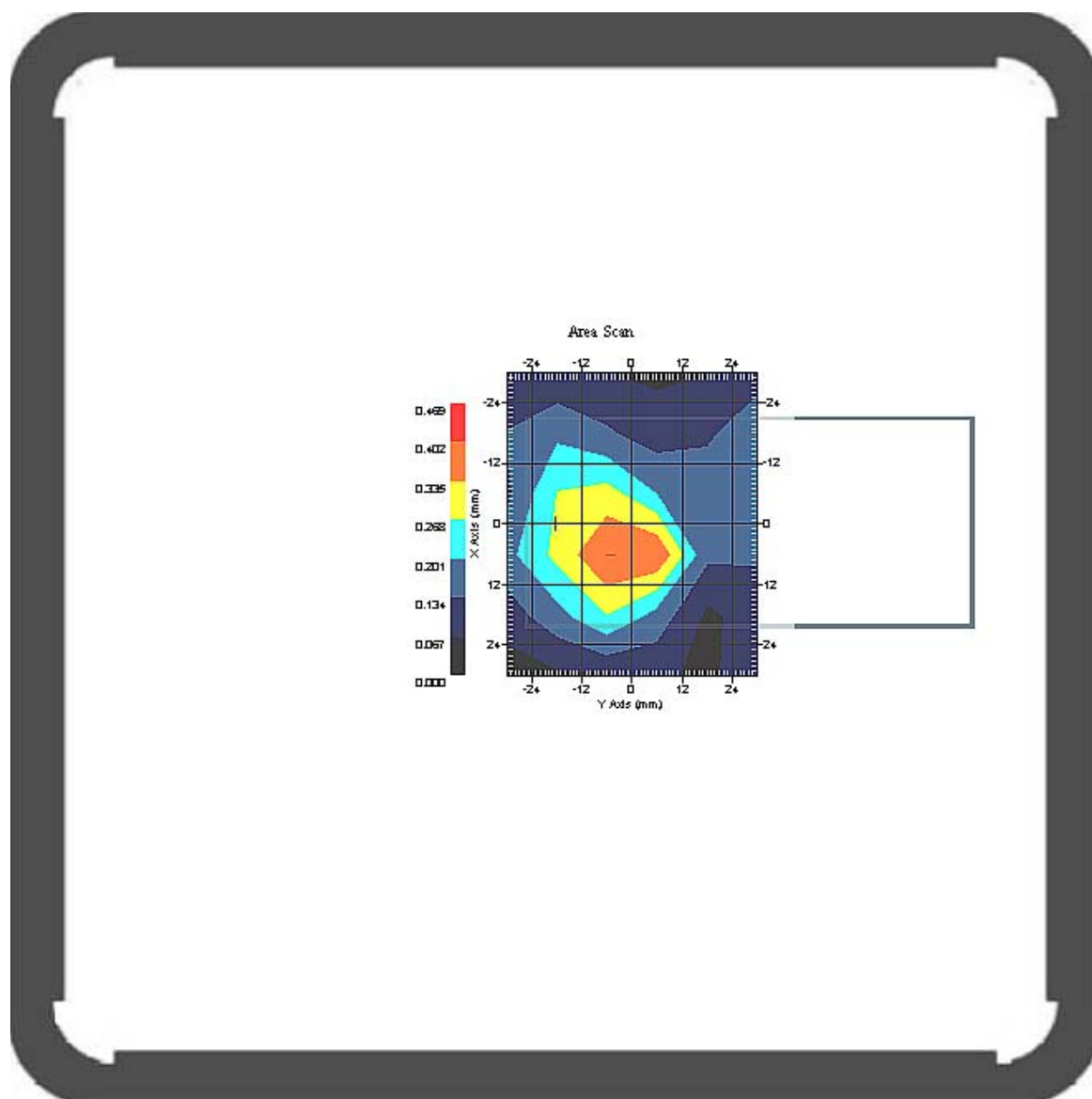
Probe Data

Name : Probe 264
Model : E020
Type : E-Field Triangle
Serial No. : 264
Last Calib. Date : 21-Mar-2006
Frequency : 1900.00 MHz
Duty Cycle Factor: 8
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

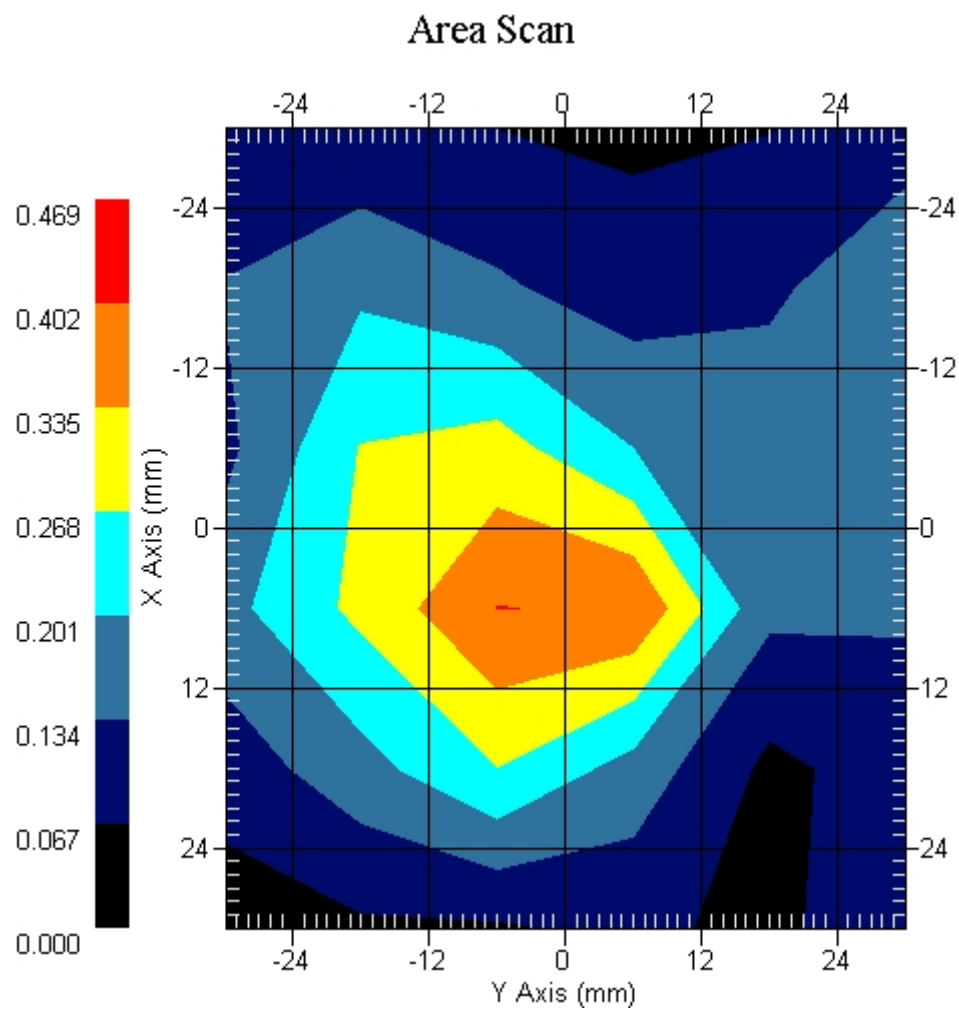
Crest Factor : 8
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.241 W/kg
 Power Drift-Finish: 0.244 W/kg
 Power Drift (%) : 1.025

DUT Position : Rotated Right 90°
 Channel : 512



1 gram SAR value : 0.350 W/kg
 10 gram SAR value : 0.201 W/kg
 Area Scan Peak SAR : 0.403 W/kg
 Zoom Scan Peak SAR : 0.650 W/kg

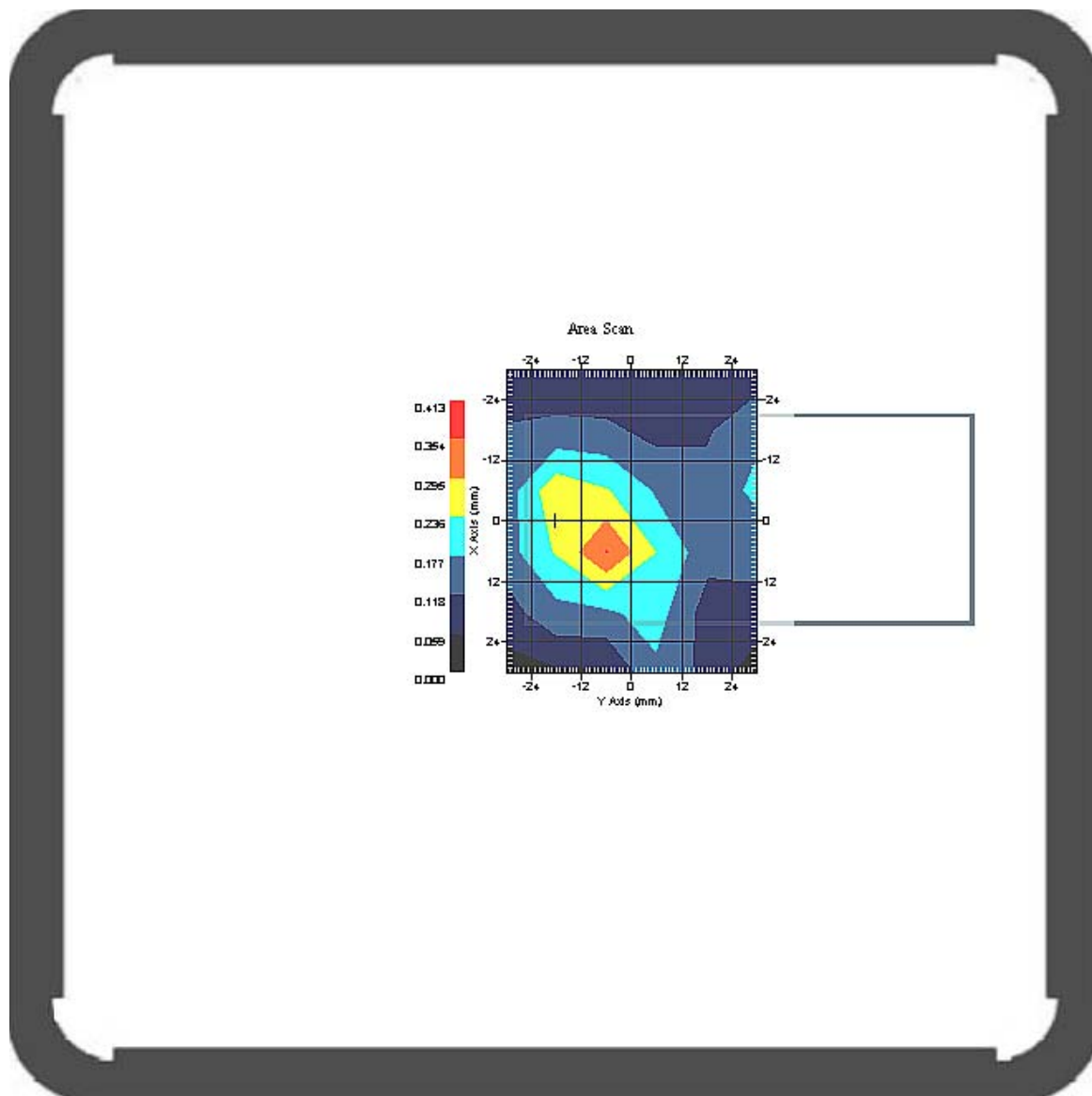
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Measurement Data

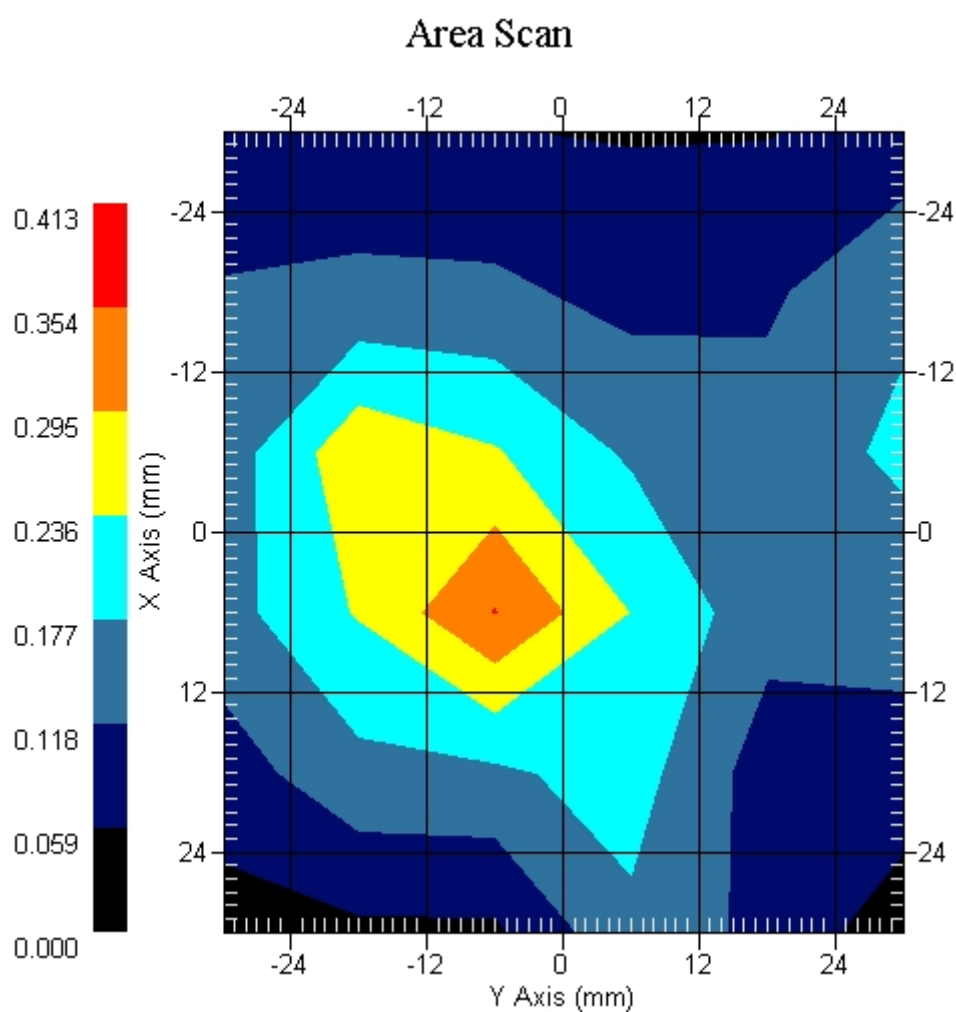
Crest Factor : 8
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.263 W/kg
 Power Drift-Finish: 0.256 W/kg
 Power Drift (%) : -2.599

DUT Position : Rotated Right 90°
 Channel : 661



1 gram SAR value : 0.306 W/kg
 10 gram SAR value : 0.166 W/kg
 Area Scan Peak SAR : 0.356 W/kg
 Zoom Scan Peak SAR : 0.530 W/kg

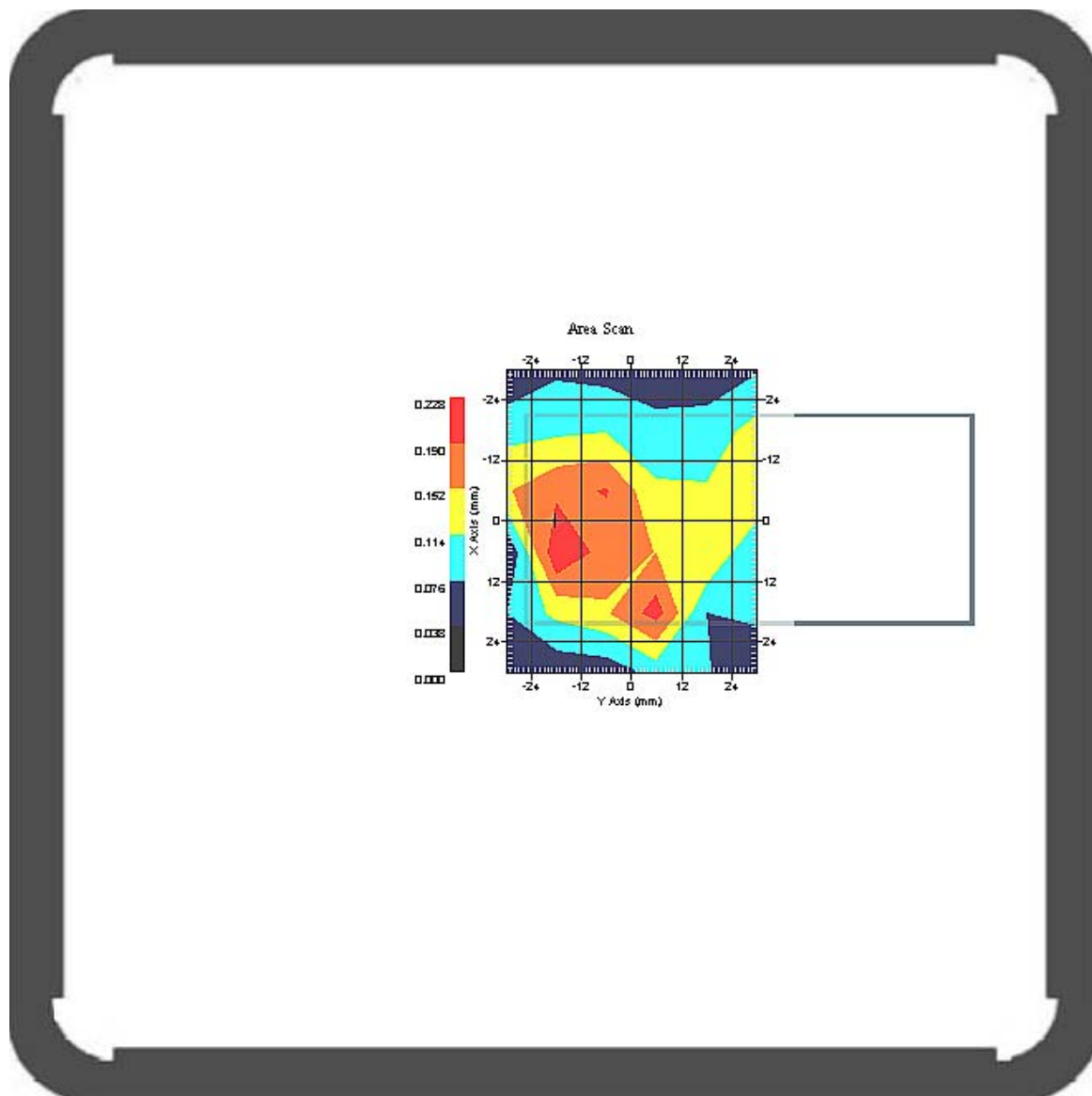
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Measurement Data

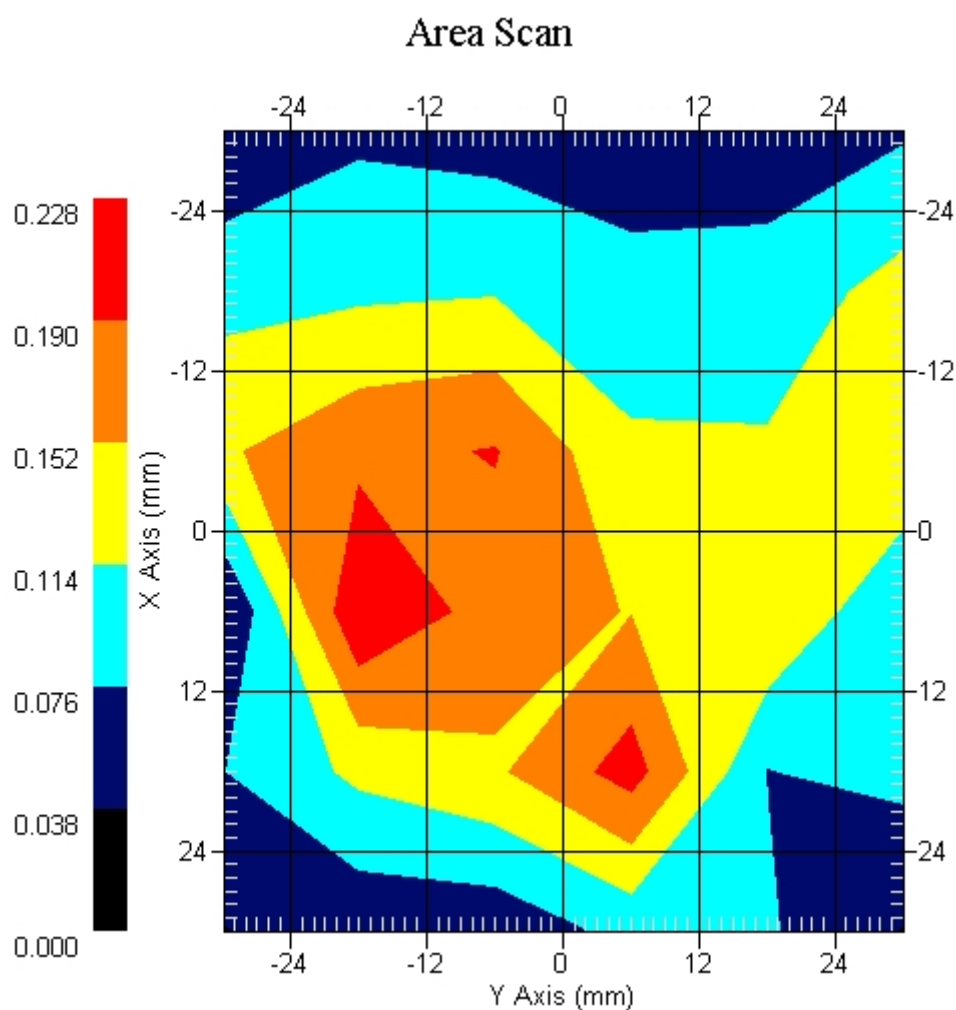
Crest Factor : 8
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.220 W/kg
 Power Drift-Finish: 0.213 W/kg
 Power Drift (%) : -3.255

DUT Position : Rotated Right 90°
 Channel : 810



1 gram SAR value : 0.253 W/kg
 10 gram SAR value : 0.139 W/kg
 Area Scan Peak SAR : 0.226 W/kg
 Zoom Scan Peak SAR : 0.450 W/kg

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SAR Measurement Data

ALSAS-10U VER 2.3.2APREL Laboratories

SAR Test Report

Report Date : 26-Sep-2006
Measurement Date : 26-Sep-2006

Product Data

Device Name : Philips
Type : Std Form Cell Phone
Model : Xenium9@9m
Frequency : 1900.00 MHz
Max. Transmit Pwr : 1 W
Drift Time : 0 min(s)
Length : 106 mm
Width : 50.6 mm
Depth : 18.5 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 : 26-Sep-2006
Temperature : 22.10 °C
Ambient Temp. : 22.40 °C
Humidity : 53.00 RH%
Epsilon : 51.72 F/m
Sigma : 1.569 S/m
Density : 1000.00 kg/cu. M

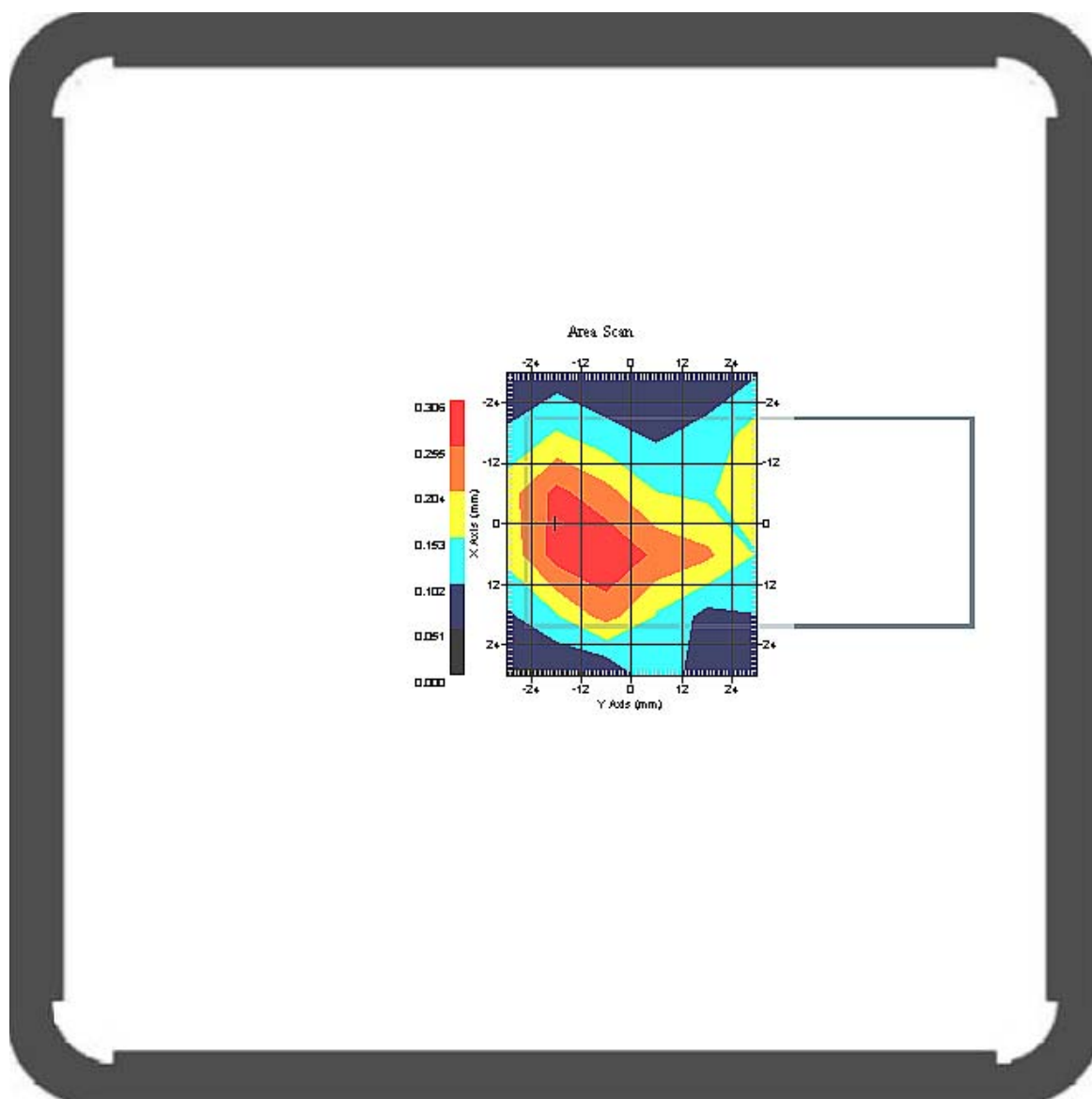
Probe Data

Name : Probe 264
Model : E020
Type : E-Field Triangle
Serial No. : 264
Last Calib. Date : 21-Mar-2006
Frequency : 1900.00 MHz
Duty Cycle Factor: 4
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

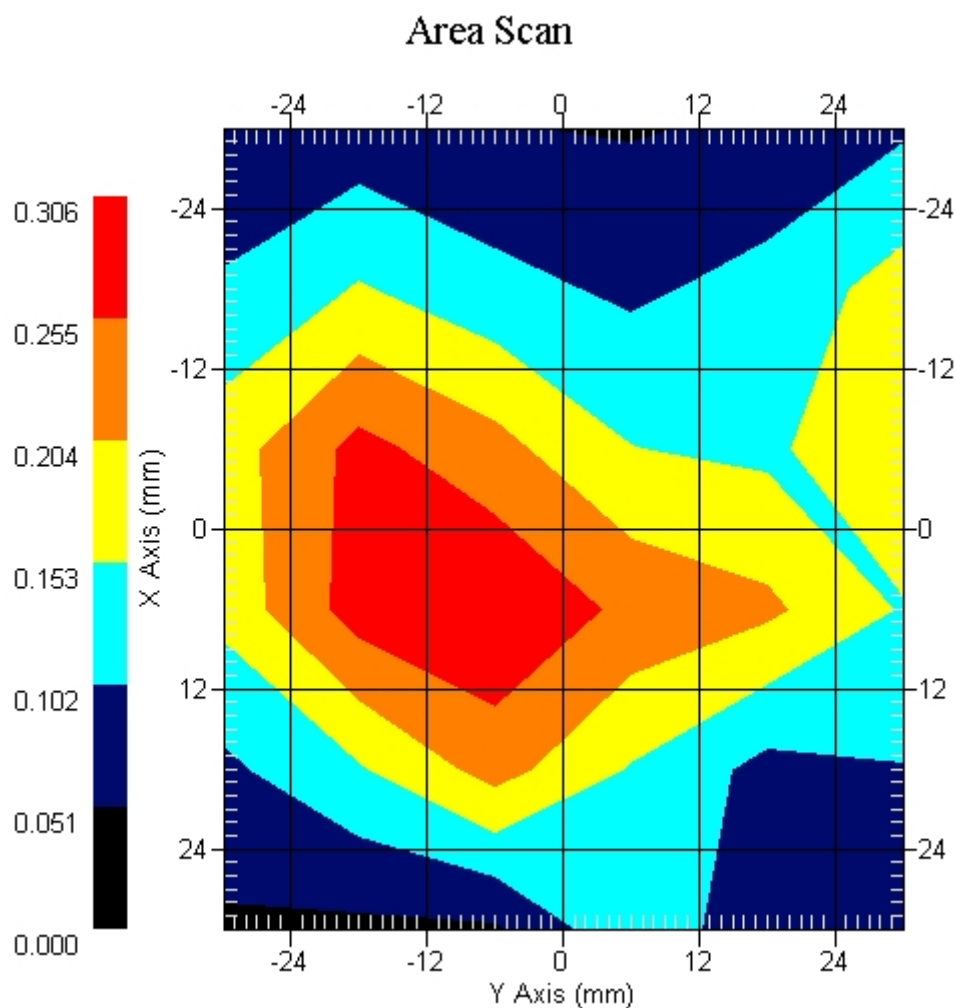
Crest Factor : 4
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.250 W/kg
 Power Drift-Finish: 0.245 W/kg
 Power Drift (%) : -1.953

DUT Position : Rotated Right 90°
 Channel : 512



1 gram SAR value : 0.228 W/kg
 10 gram SAR value : 0.161 W/kg
 Area Scan Peak SAR : 0.303 W/kg
 Zoom Scan Peak SAR : 0.490 W/kg

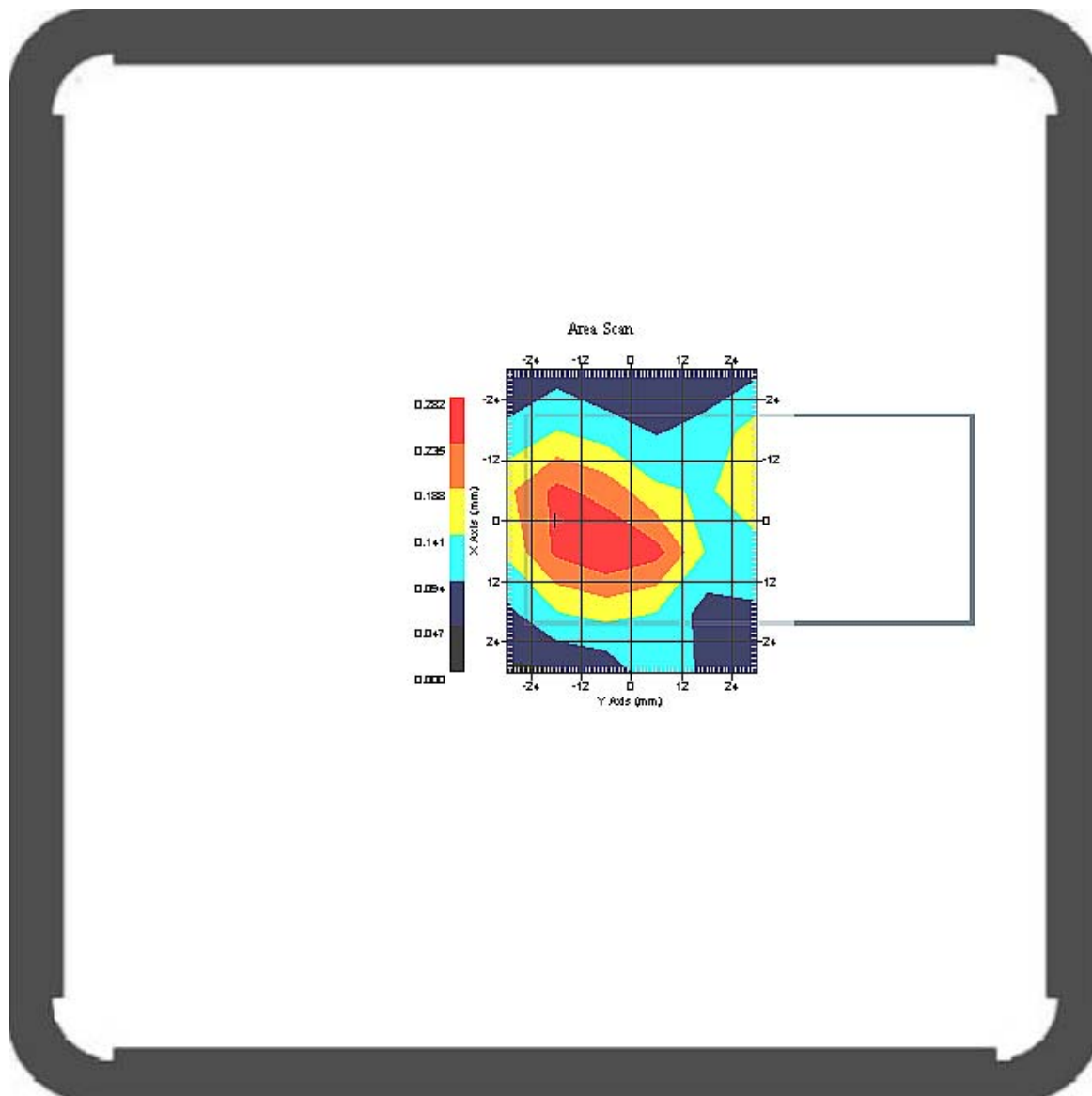
This is previous page plot (zoom in)



Measurement Data

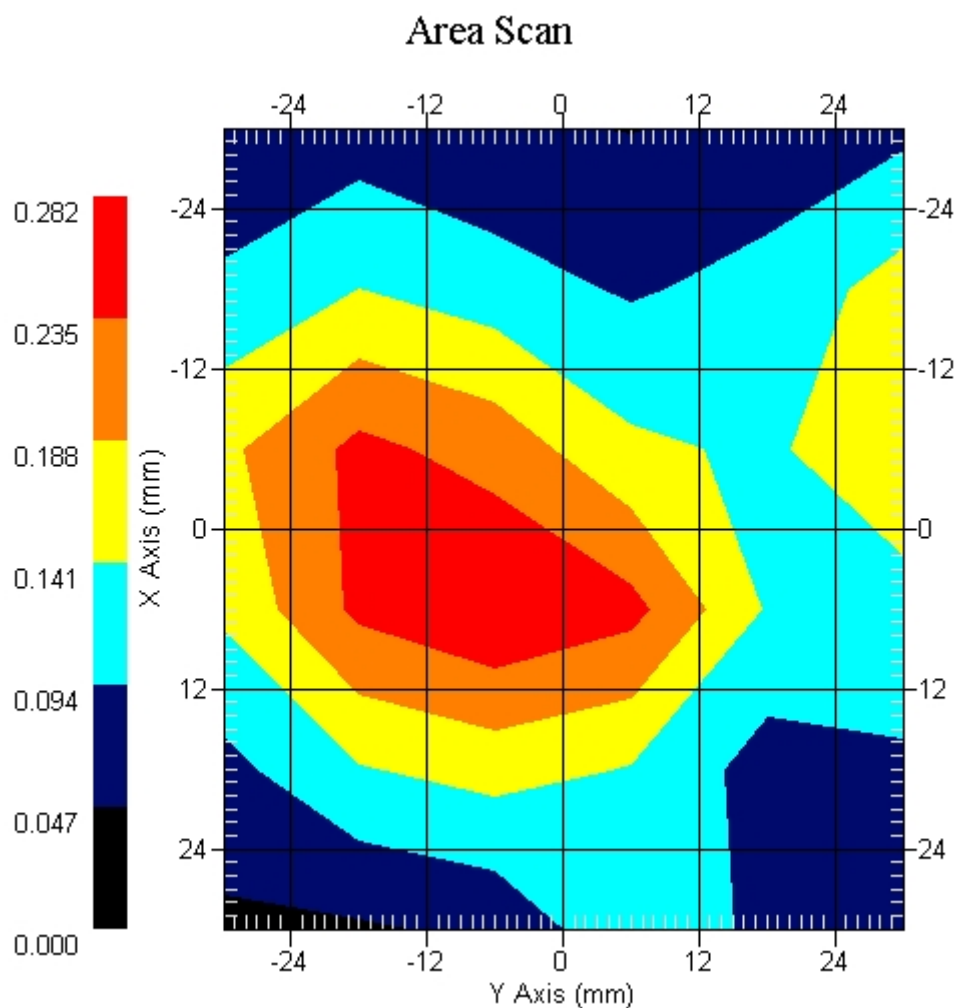
Crest Factor : 4
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.231 W/kg
 Power Drift-Finish: 0.232 W/kg
 Power Drift (%) : 0.428

DUT Position : Rotated Right 90°
 Channel : 661



1 gram SAR value : 0.277 W/kg
 10 gram SAR value : 0.165 W/kg
 Area Scan Peak SAR : 0.279 W/kg
 Zoom Scan Peak SAR : 0.480 W/kg

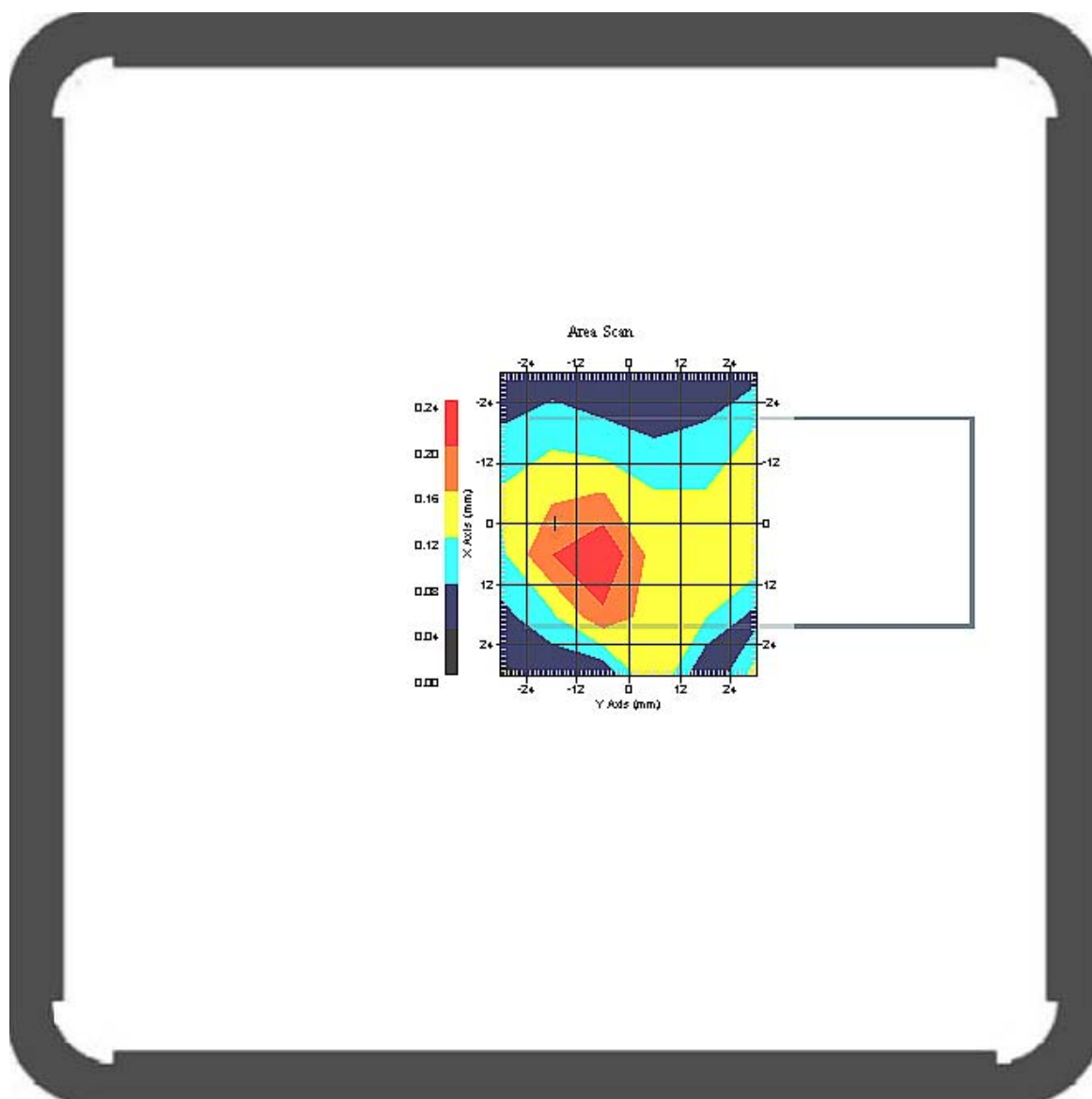
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Measurement Data

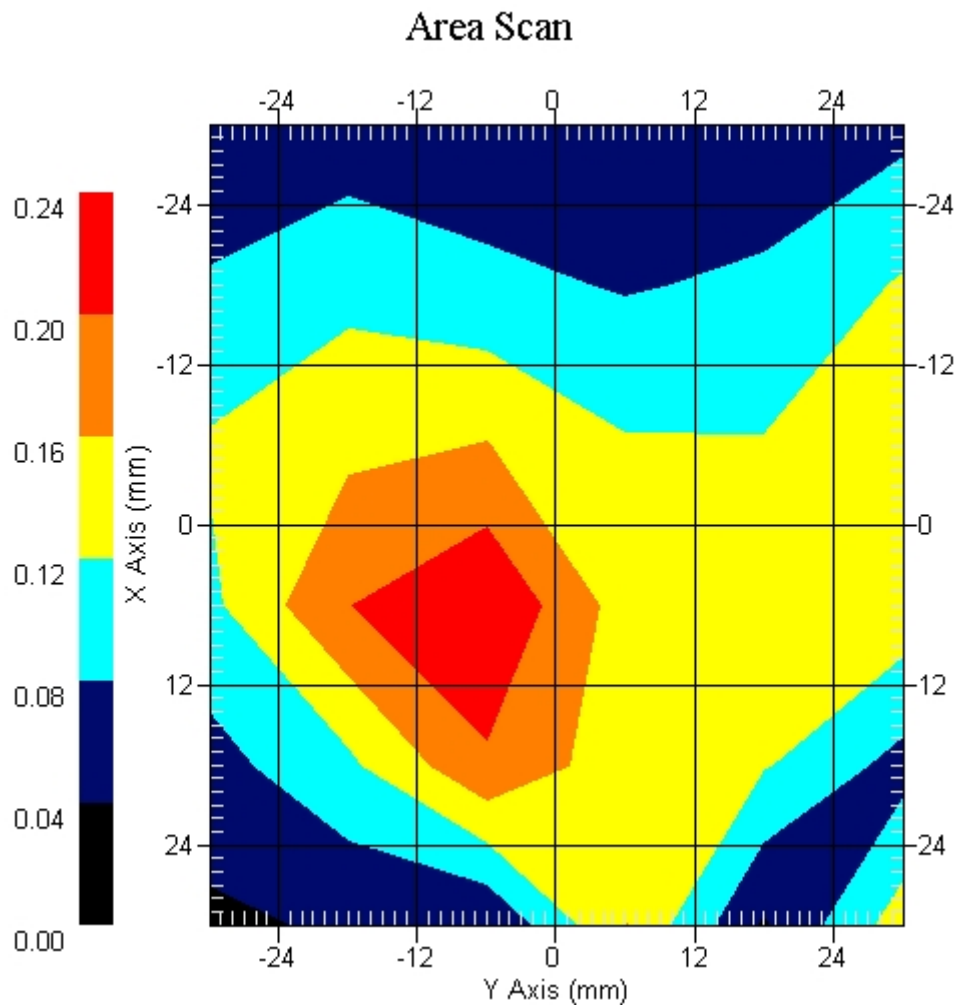
Crest Factor : 4
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.194 W/kg
 Power Drift-Finish: 0.196 W/kg
 Power Drift (%) : 0.907

DUT Position : Rotated Right 90°
 Channel : 810



1 gram SAR value : 0.214 W/kg
 10 gram SAR value : 0.122 W/kg
 Area Scan Peak SAR : 0.237 W/kg
 Zoom Scan Peak SAR : 0.600 W/kg

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SAR Measurement Data

ALSAS-10U VER 2.3.2APREL Laboratories

SAR Test Report (Bluetooth off)

Report Date : 26-Sep-2006
Measurement Date : 26-Sep-2006

Product Data

Device Name : Philips
Type : Std Form Cell Phone
Model : 9@9m
Frequency : 1800.00 MHz
Max. Transmit Pwr : 1 W
Drift Time : 0 min(s)
Length : 106 mm
Width : 50.6 mm
Depth : 18.5 mm
Antenna Type : Internal

Phantom Data

Type : SAM-Right
Size (mm) : 280 x 280 x 280
Location : Right

Tissue Data

Type : HEAD
Serial No. : 324-H
Frequency : 1900.00 MHz
Last Calib. Date : 26-Sep-2006
Temperature : 22.10 °C
Ambient Temp. : 22.40 °C
Humidity : 53.00 RH%
Epsilon : 38.94 F/m
Sigma : 1.447 S/m
Density : 1000.00 kg/cu. M

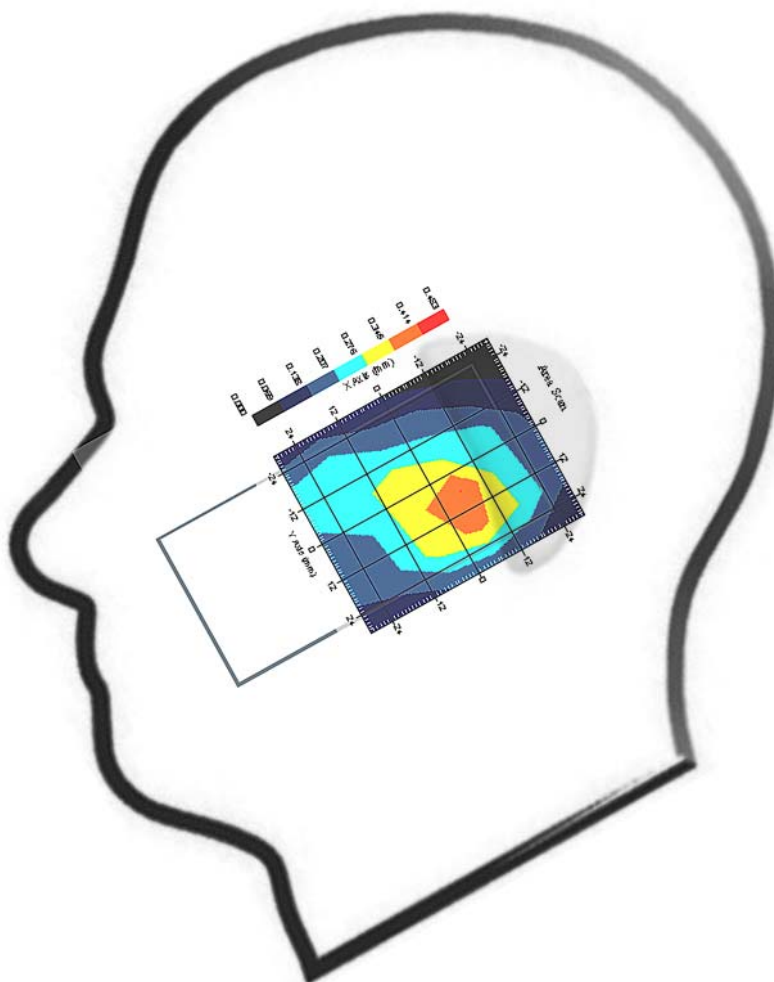
Probe Data

Name : Probe 264
Model : E020
Type : E-Field Triangle
Serial No. : 264
Last Calib. Date : 21-Mar-2006
Frequency : 1900.00 MHz
Duty Cycle Factor: 8
Conversion Factor: 5.5
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

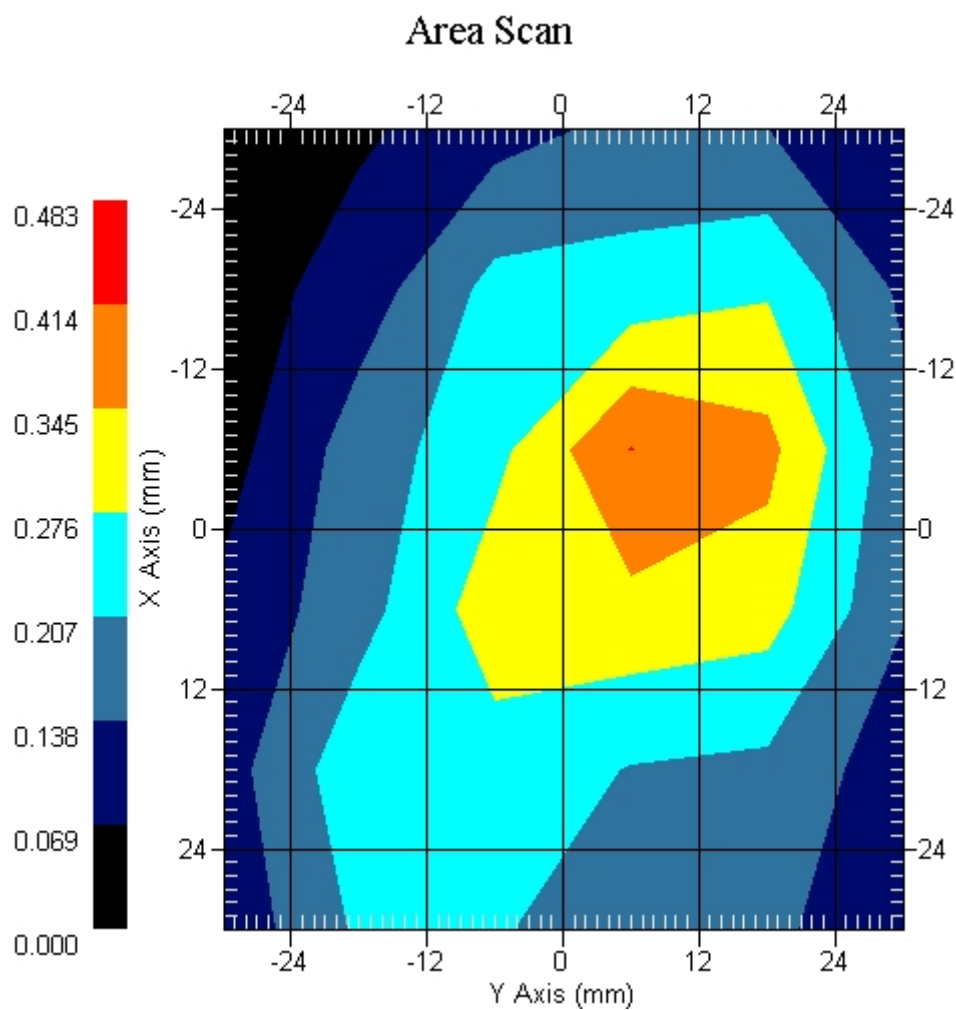
Crest Factor : 8
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.398 W/kg
 Power Drift-Finish: 0.382 W/kg
 Power Drift (%) : -3.906

DUT Position : Touch
 Channel : 661



1 gram SAR value : 0.318 W/kg
 10 gram SAR value : 0.175 W/kg
 Area Scan Peak SAR : 0.415 W/kg
 Zoom Scan Peak SAR : 0.640 W/kg

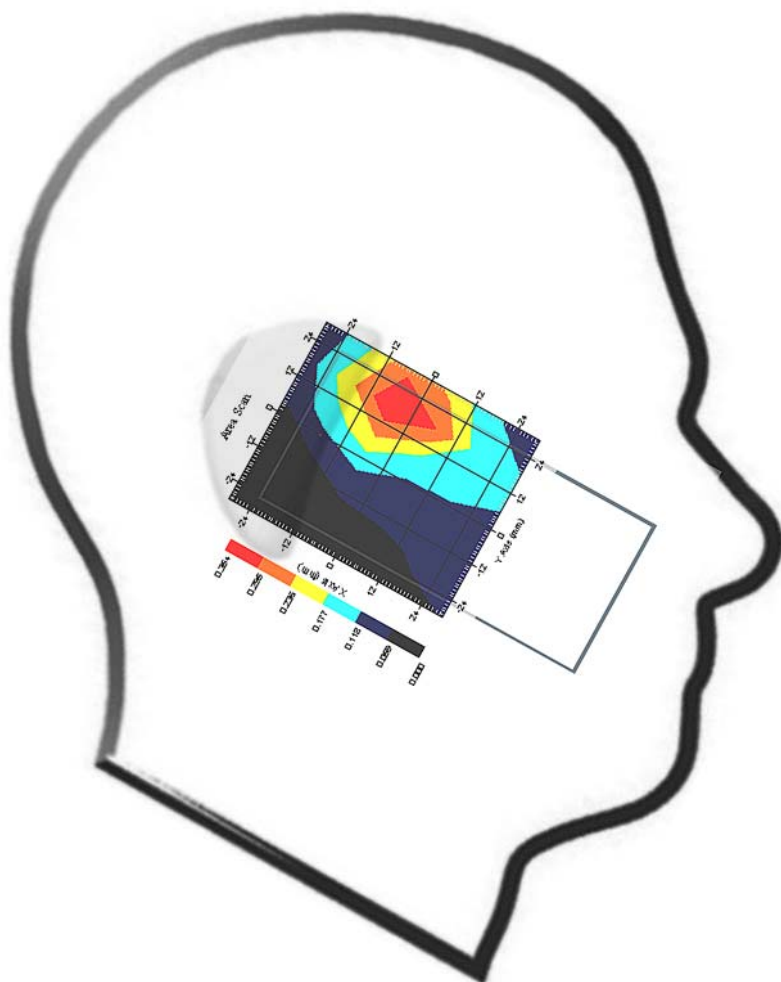
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Measurement Data

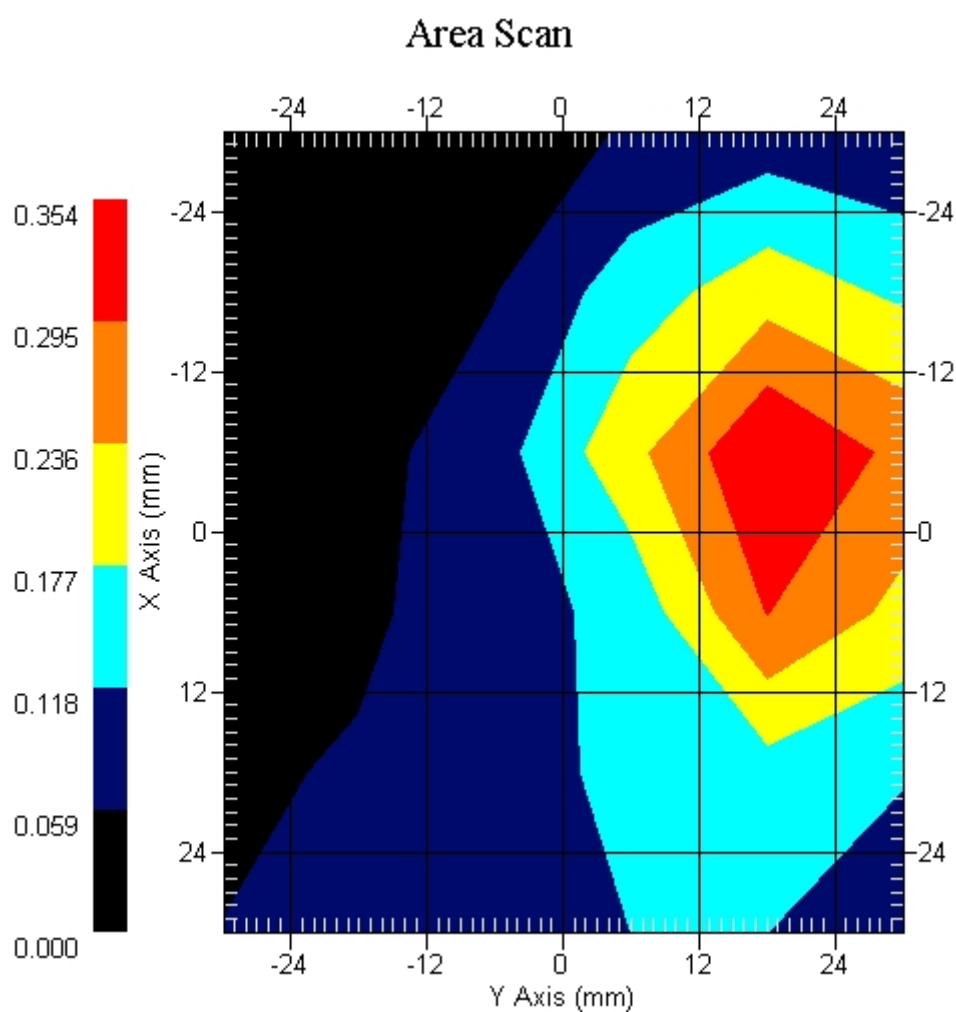
Crest Factor : 8
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.144 W/kg
 Power Drift-Finish: 0.144 W/kg
 Power Drift (%) : -0.026

DUT Position : Touch
 Channel : 661



1 gram SAR value : 0.305 W/kg
 10 gram SAR value : 0.162 W/kg
 Area Scan Peak SAR : 0.353 W/kg
 Zoom Scan Peak SAR : 0.560 W/kg

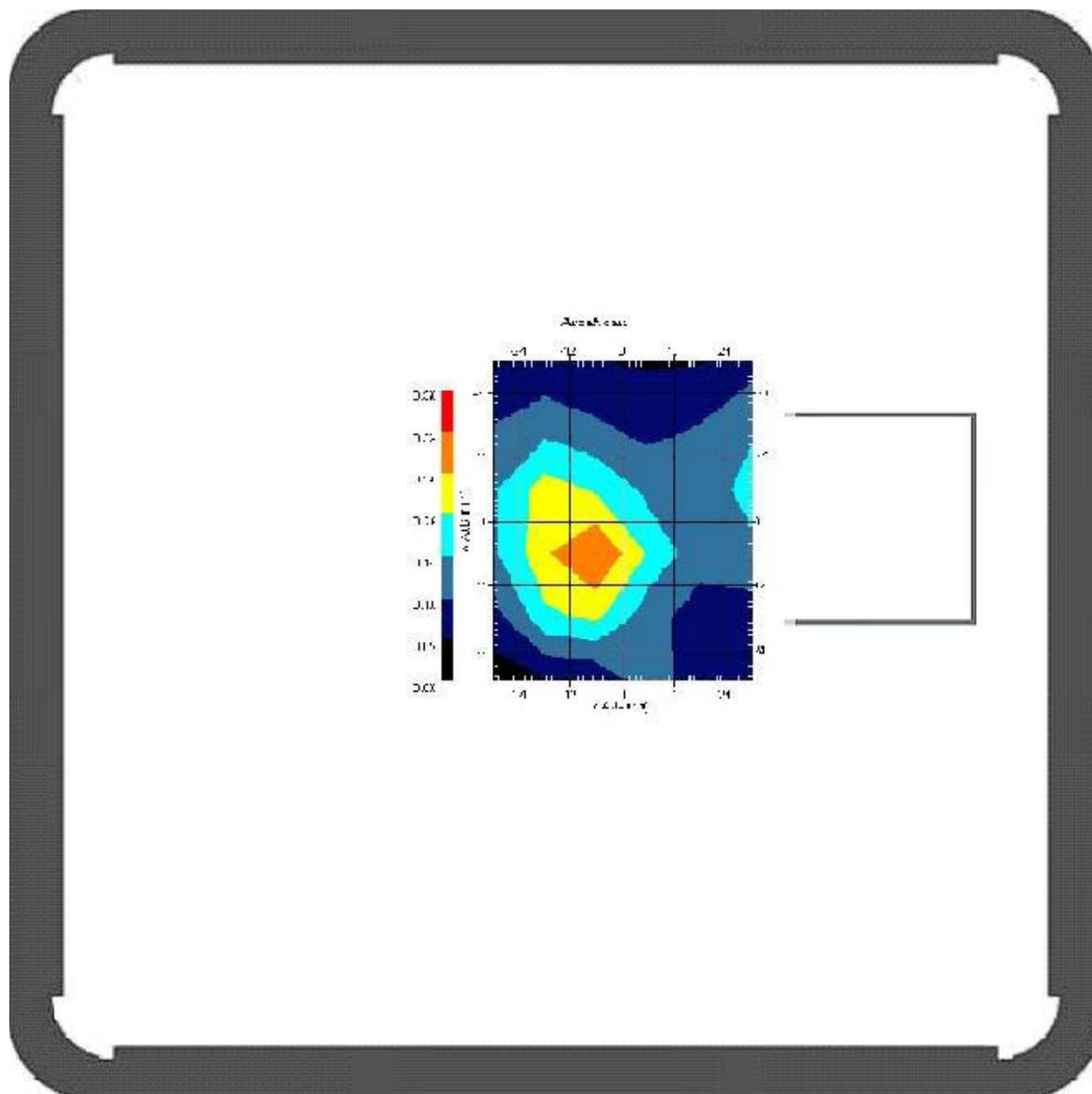
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Measurement Data

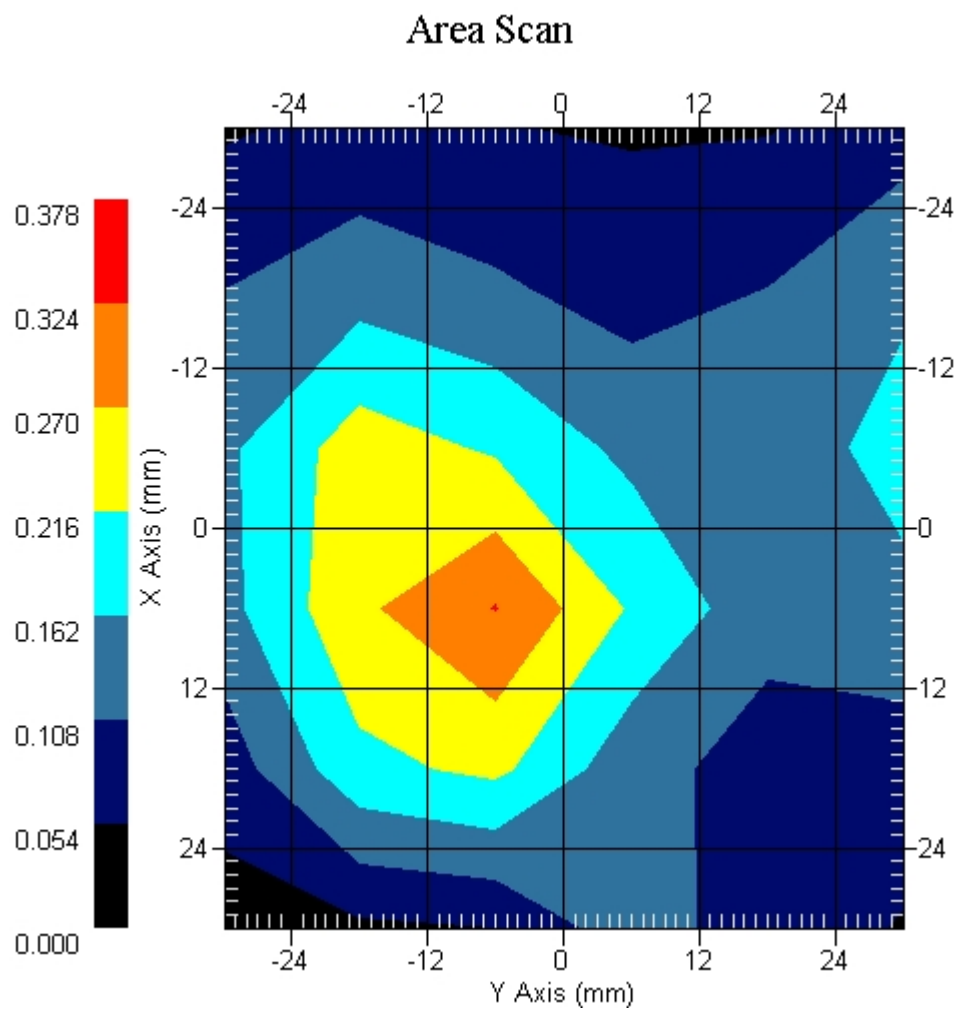
Crest Factor : 8
 Tissue Temp. : 22.10 °C
 Ambient Temp. : 22.40 °C
 Area Scan : 6x6x1 : Measurement x=12mm, y=12mm, z=4mm
 Zoom Scan : 7x7x7 : Measurement x=5mm, y=5mm, z=5mm
 Power Drift-Start : 0.254 W/kg
 Power Drift-Finish: 0.255 W/kg
 Power Drift (%) : 0.599

DUT Position : Rotated Right 90°
 Channel : 661



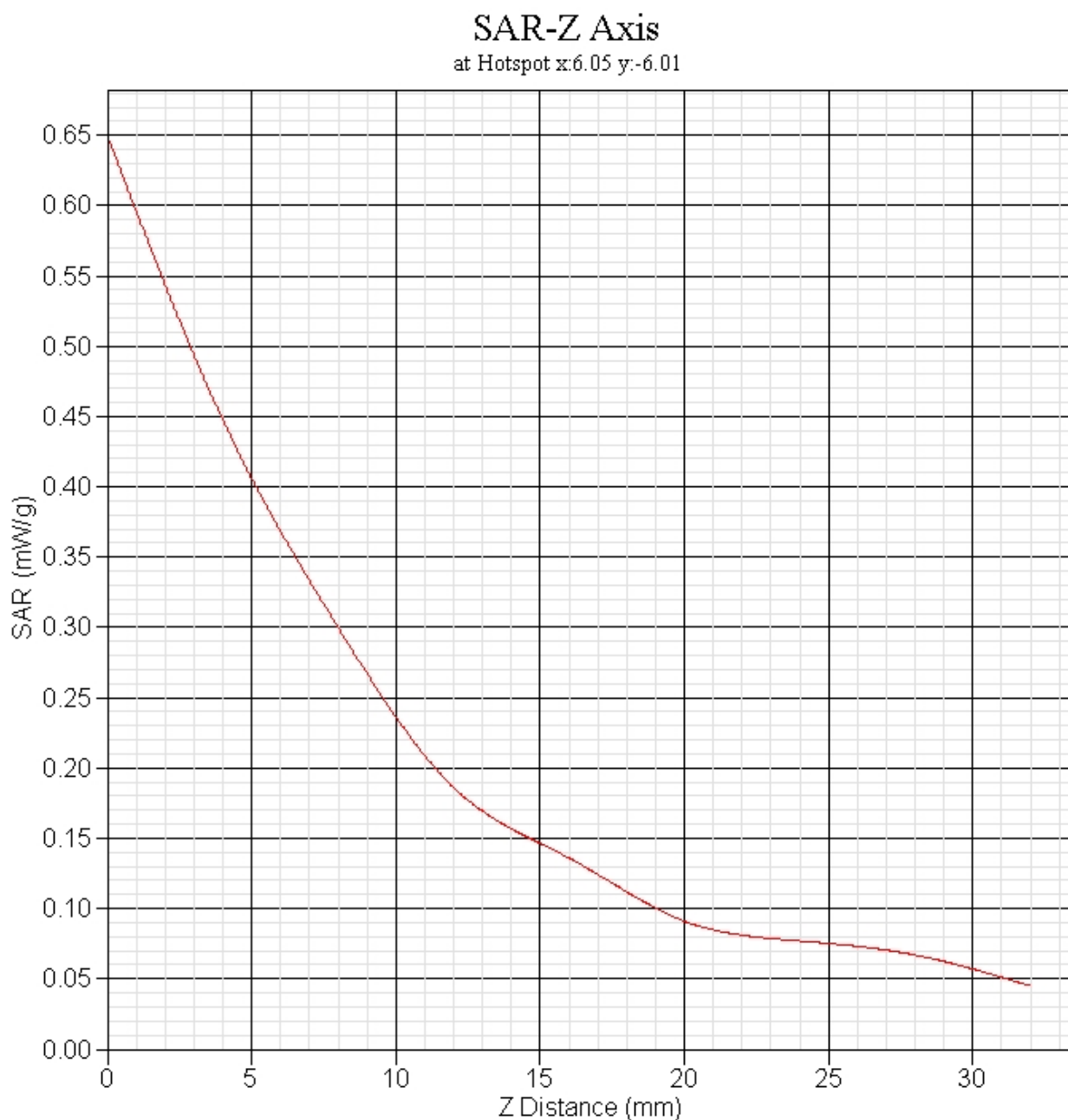
1 gram SAR value : 0.296 W/kg
 10 gram SAR value : 0.161 W/kg
 Area Scan Peak SAR : 0.326 W/kg
 Zoom Scan Peak SAR : 0.520 W/kg

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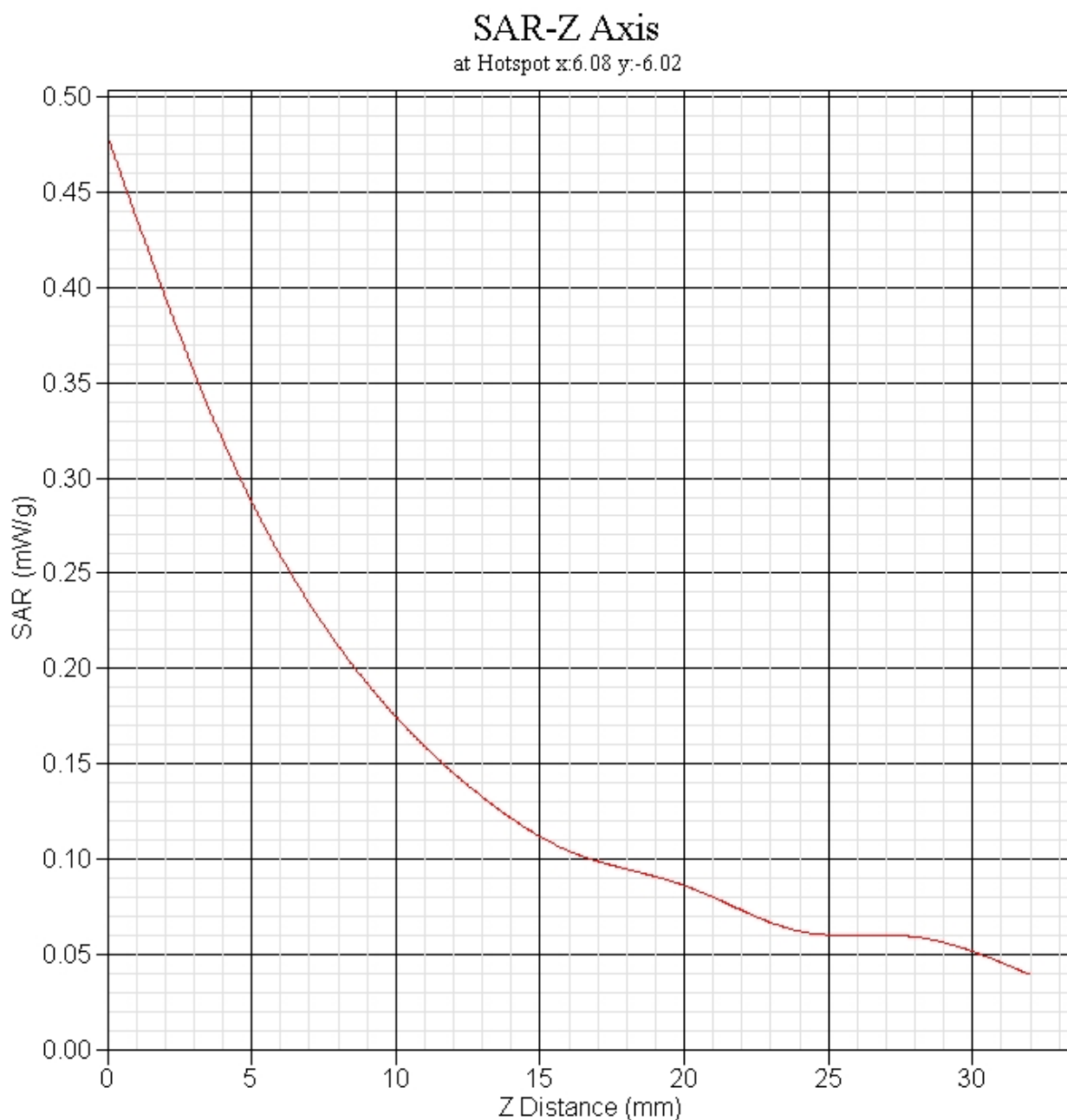
EUT 1900MHz SAR test Z-Axis plot

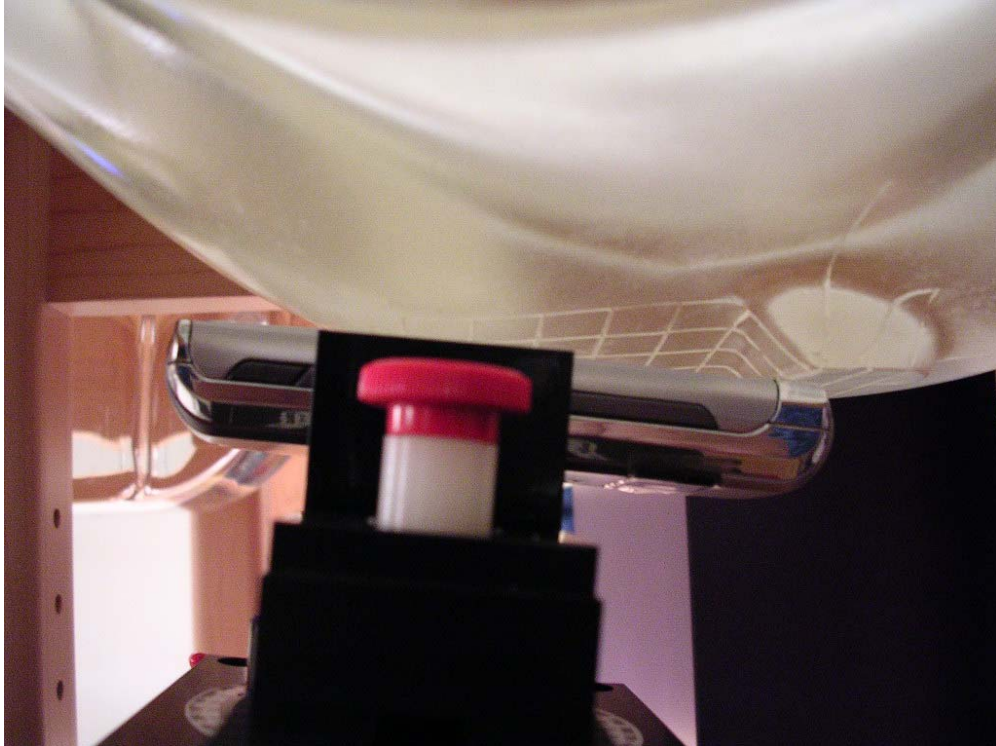
GSM, Channel 512



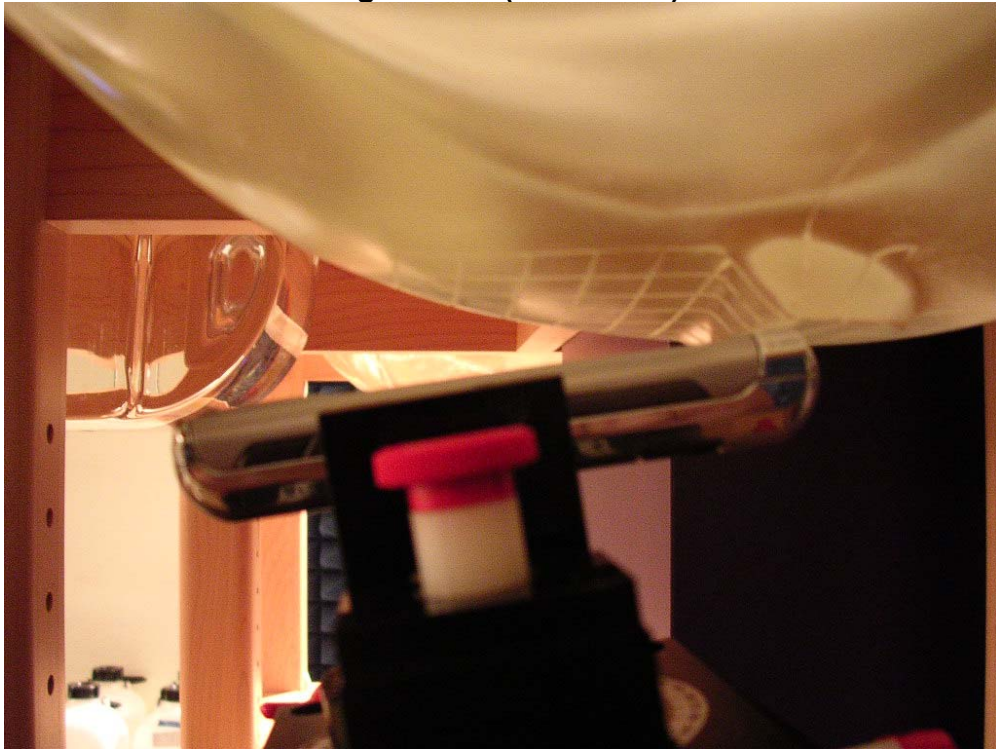
EUT 1900MHz SAR test Z-Axis plot

GPRS, Channel 661



Test Setup Photographs**Right Head (EUT Cheek)****Left Head (EUT Cheek)**

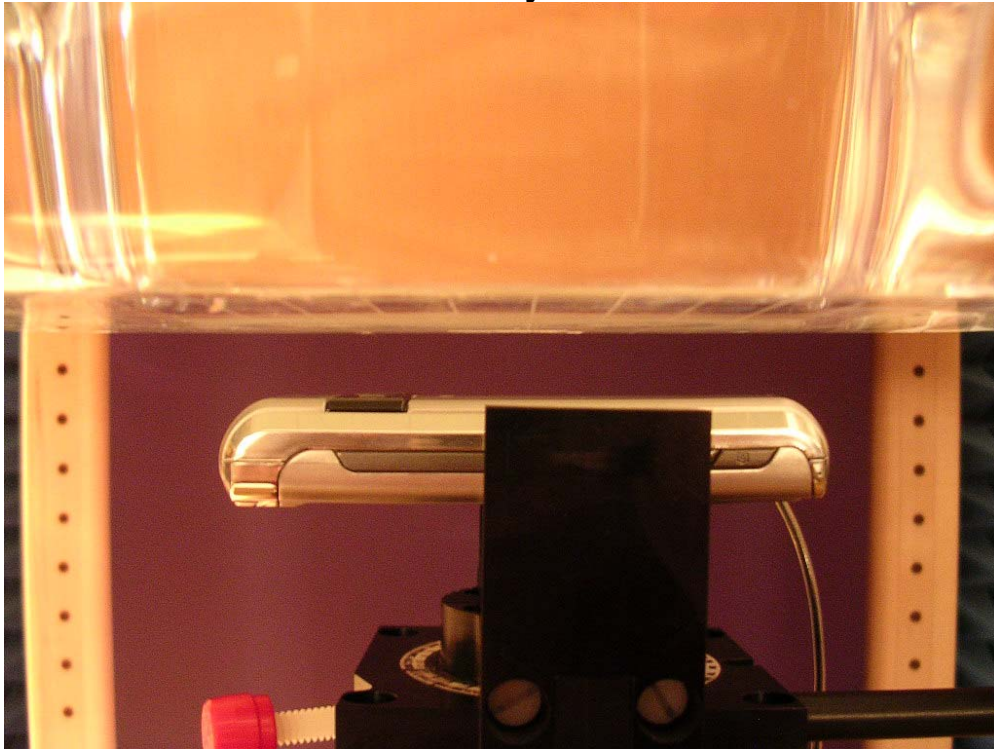
Right Head (EUT Tilted)



Left Head (EUT Tilted)



Body



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

EUT Photographs**EUT Front****EUT Back**







