Appendix B

SAR measurement Data

of

Product Name

Notebook Personal Computer

Model

A790

1 835 MHz SAR measurement Data

FTAP_SAR Test Report

Report Date : 24-Oct-2006
Measurement Date : 24-Oct-2006

Product Data
Device Name : A790
Serial No. : side
Type : Other
Frequency : 835.00 MHz
Max. Transmit Pwr : 0.2 W
Drift Time : 0 min(s)
Length : 25 mm
Width : 140 mm
Depth : 2 mm
Antenna Type : Internal

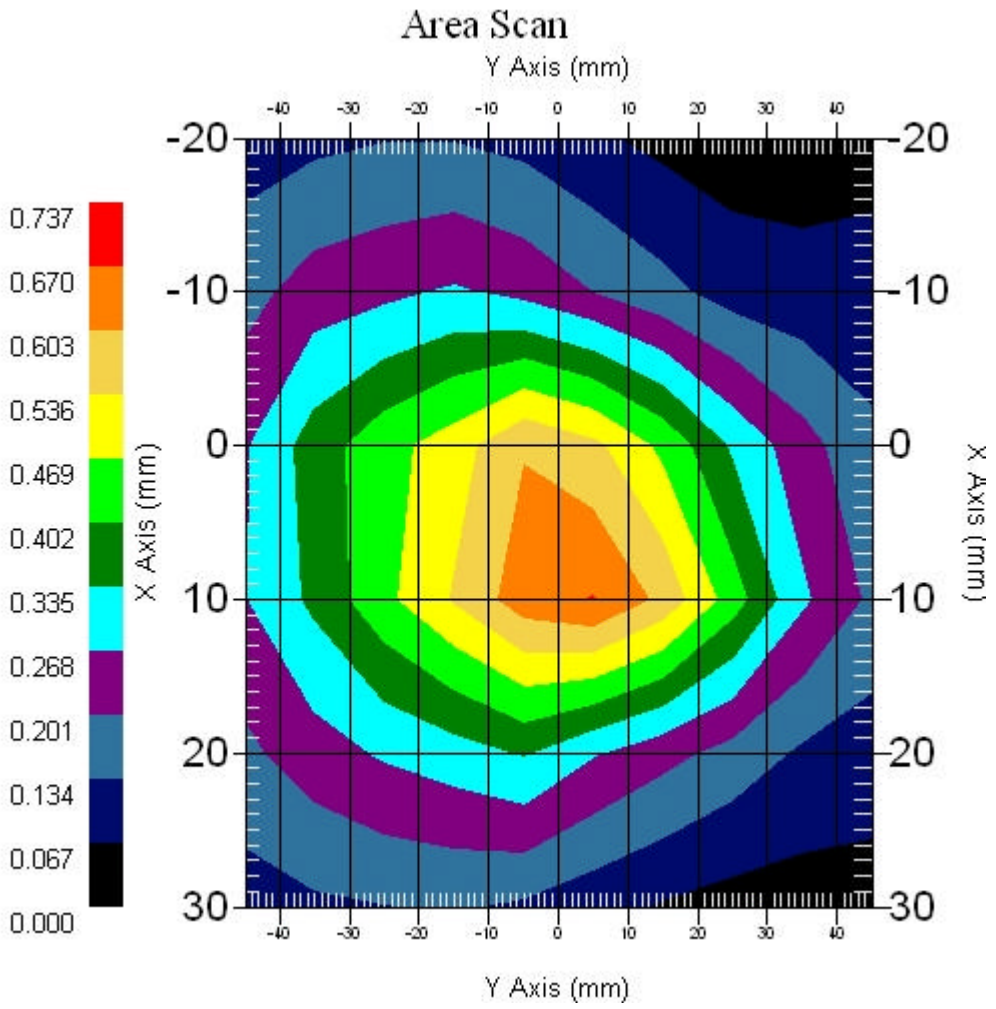
Phantom Data
Name : APREL-Uni
Type : Uni-Phantom
Size (mm) : 280 x 280 x 200
Location : Center

Tissue Data
Type : BODY
Serial No. : 835BODY
Frequency : 835.00 MHz
Last Calib. Date : 24-Oct-2006
Temperature : 23.60 °C
Ambient Temp. : 23.80 °C
Humidity : 53.00 RH%
Epsilon : 53.97 F/m
Sigma : 0.98 S/m
Density : 1000.00 kg/cu. m

Probe Data
Name : E-field Probe
Model : ALS-E-020
Type : E-Field Triangle
Serial No. : 266
Last Calib. Date : 22-Jun-2006
Frequency : 835.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 6.9
Probe Sensitivity: 1.20 1.20 1.20 $\mu V/(V/m)^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

1.1 835 MHz, EUT Position: Side

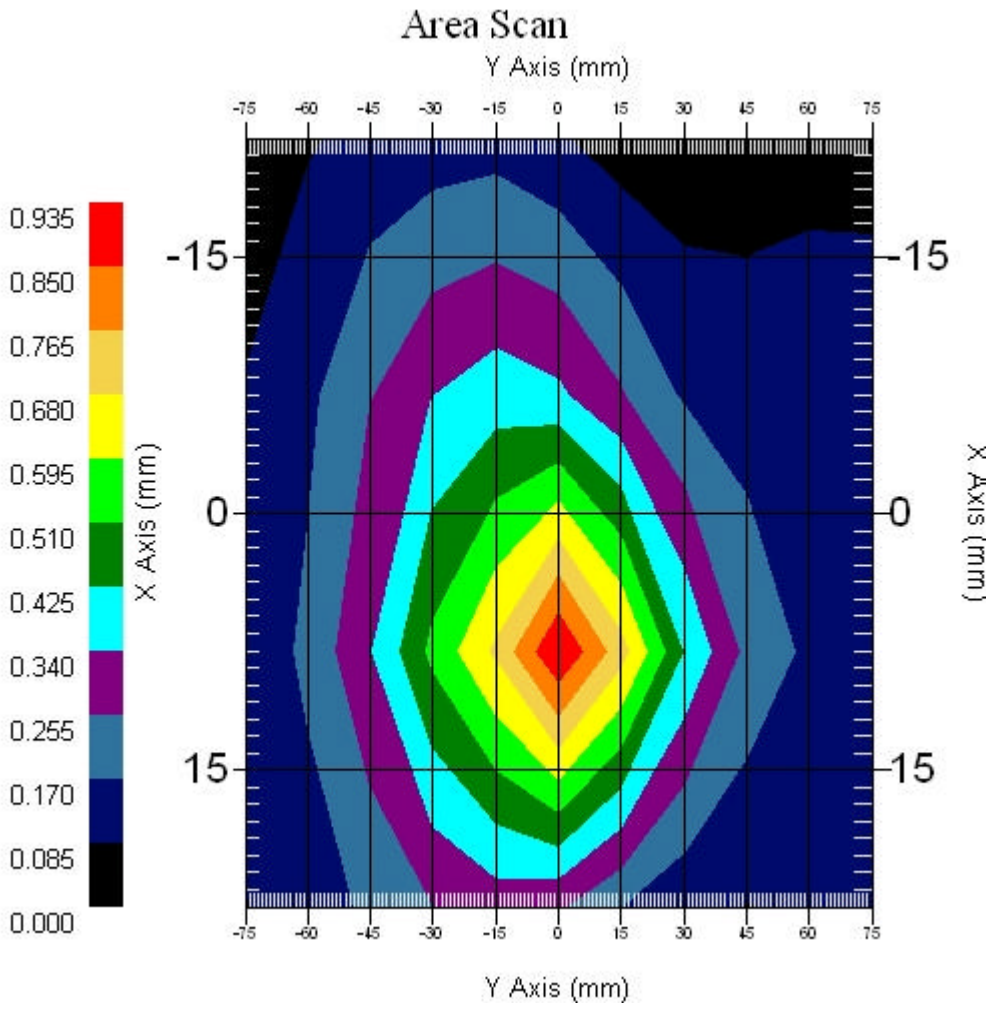
```
Measurement Data
Crest Factor     : 1
Area Scan        : 6x10x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan        : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

DUT Position     : Touch
Channel          : Low - 824.73MHz

Power Drift-Start : 0.563 W/kg
Power Drift-Finish: 0.558 W/kg
Power Drift (%)   : -0.896
```




```
1 gram SAR value   : 0.598 W/kg
10 gram SAR value  : 0.343 W/kg
Area Scan Peak SAR : 0.673 W/kg
Zoom Scan Peak SAR : 1.010 W/kg
```

1.2 835 MHz, EUT Position: Side

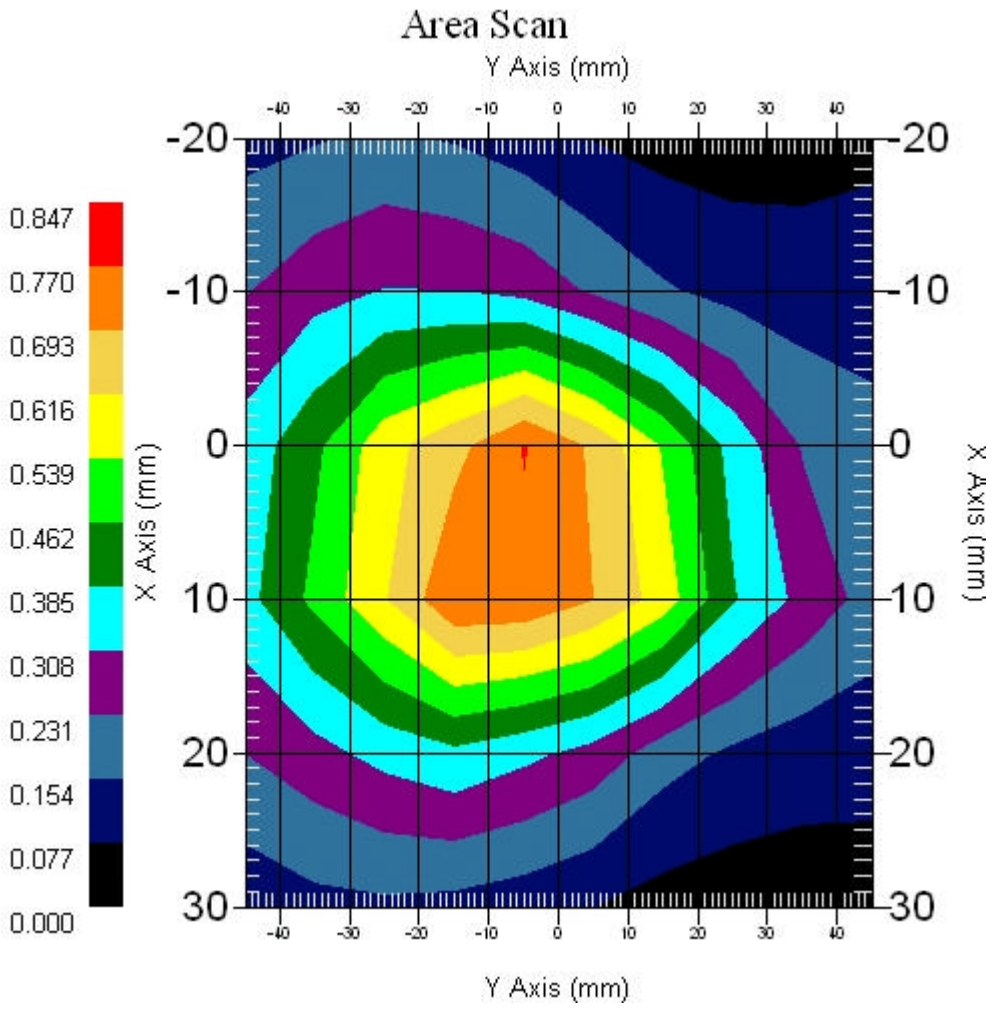
```
Measurement Data
Crest Factor      : 1
Area Scan         : 4x11x1 : Measurement x=15mm, y=15mm, z=4mm
Zoom Scan         : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

DUT Position      : Touch
Channel           : Mid - 836.4MHz

Power Drift-Start : 0.684 W/kg
Power Drift-Finish: 0.680 W/kg
Power Drift (%)   : -0.537
```




```
1 gram SAR value    : 0.762 W/kg
10 gram SAR value   : 0.433 W/kg
Area Scan Peak SAR  : 0.932 W/kg
Zoom Scan Peak SAR  : 1.361 W/kg
```

1.3 835 MHz, EUT Position: Side

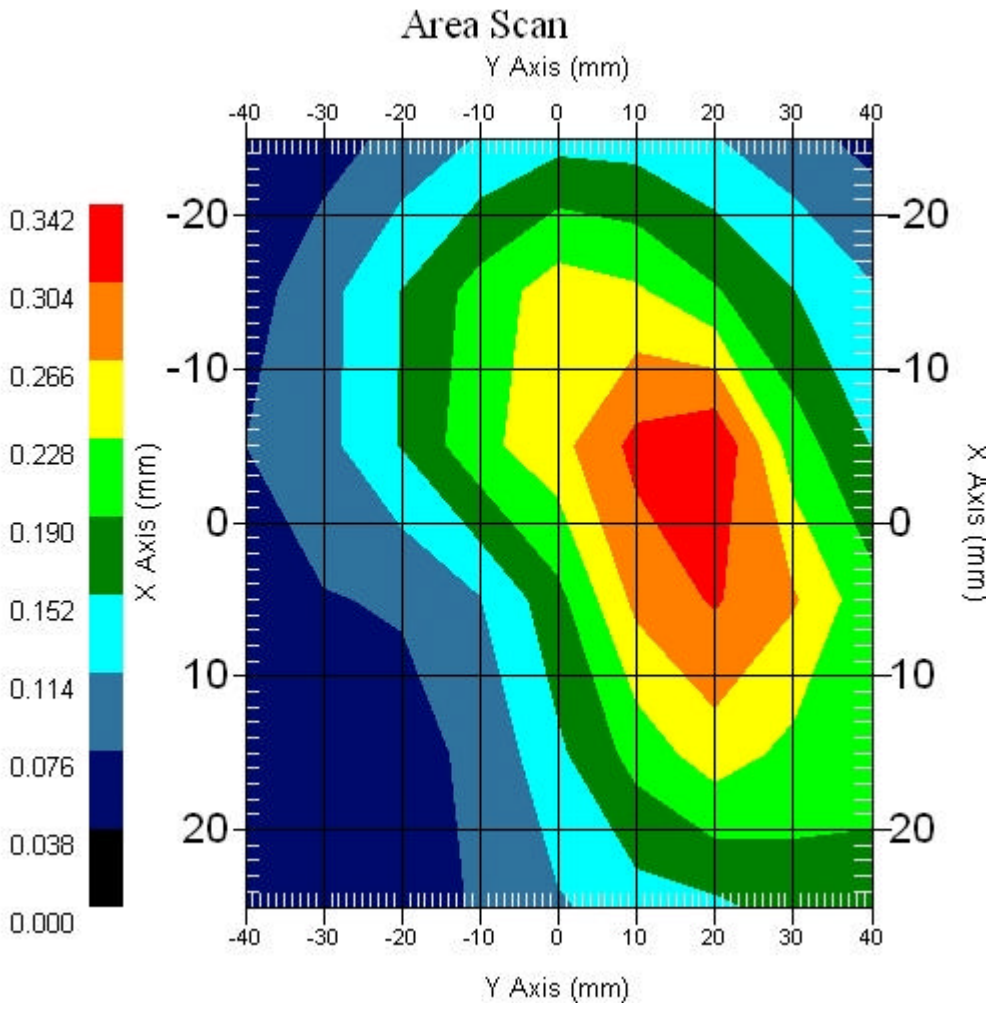
```
Measurement Data
Crest Factor      : 1
Area Scan         : 6x10x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan         : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

DUT Position      : Touch
Channel           : High - 848.19MHz

Power Drift-Start : 0.699 W/kg
Power Drift-Finish: 0.714 W/kg
Power Drift (%)   : 2.122
```




```
1 gram SAR value    : 0.670 W/kg
10 gram SAR value   : 0.367 W/kg
Area Scan Peak SAR  : 0.773 W/kg
Zoom Scan Peak SAR  : 1.231 W/kg
```

1.4 835 MHz, EUT Position: Back

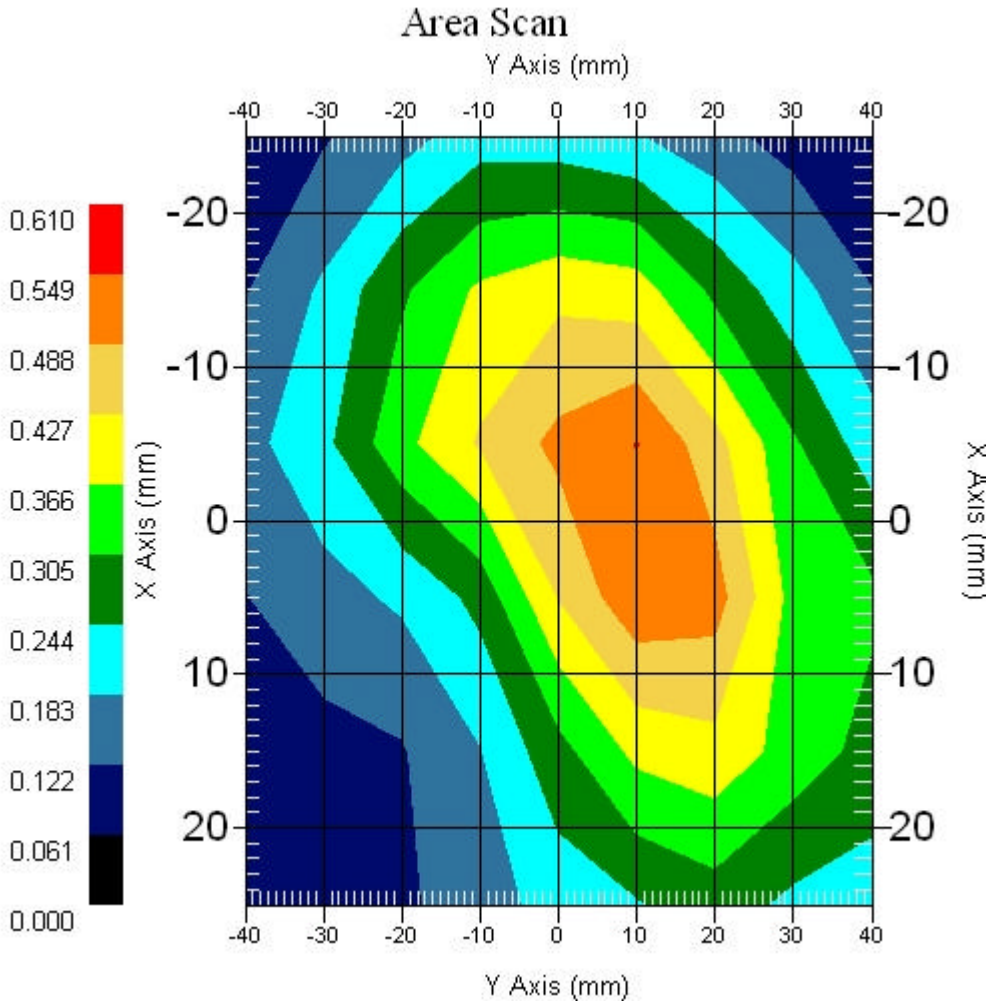
```
Measurement Data
Crest Factor     : 1
Area Scan        : 6x9x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan        : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

DUT Position     : Touch
Channel          : Low - 824.73MHz

Power Drift-Start : 0.228 W/kg
Power Drift-Finish: 0.235 W/kg
Power Drift (%)   : 2.900
```




```
1 gram SAR value   : 0.293 W/kg
10 gram SAR value  : 0.183 W/kg
Area Scan Peak SAR : 0.339 W/kg
Zoom Scan Peak SAR : 0.480 W/kg
```

1.5 835 MHz, EUT Position: Back

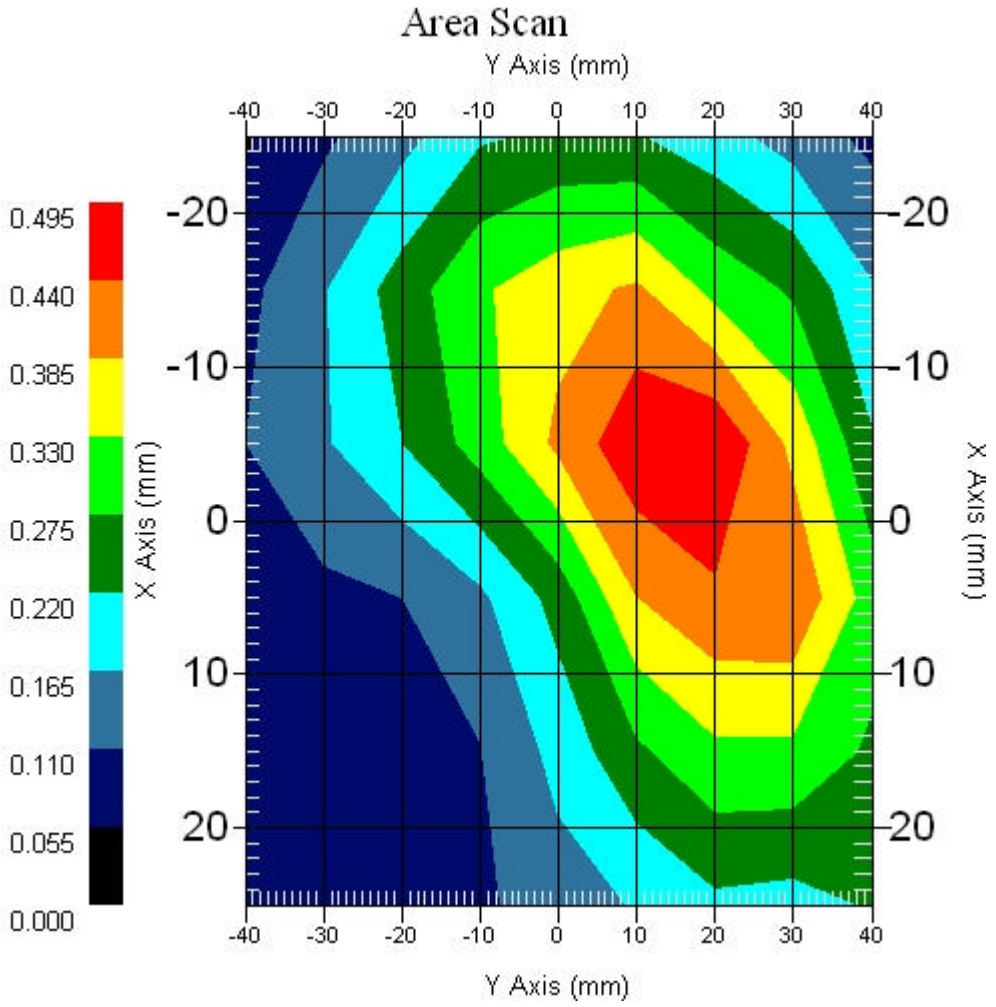
```
Measurement Data
Crest Factor     : 1
Area Scan        : 6x9x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan        : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

DUT Position     : Touch
Channel          : Mid - 836.4MHz

Power Drift-Start : 0.499 W/kg
Power Drift-Finish: 0.509 W/kg
Power Drift (%)   : 1.907
```




```
1 gram SAR value   : 0.530 W/kg
10 gram SAR value  : 0.320 W/kg
Area Scan Peak SAR : 0.550 W/kg
Zoom Scan Peak SAR : 0.910 W/kg
```

1.6 835 MHz, EUT Position: Back

```
Measurement Data
Crest Factor     : 1
Area Scan        : 6x9x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan        : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

DUT Position     : Touch
Channel          : High - 848.19MHz

Power Drift-Start : 0.311 W/kg
Power Drift-Finish: 0.315 W/kg
Power Drift (%)   : 1.286
```




```
1 gram SAR value   : 0.423 W/kg
10 gram SAR value  : 0.265 W/kg
Area Scan Peak SAR : 0.493 W/kg
Zoom Scan Peak SAR : 0.670 W/kg
```

1.7 835 MHz, EUT Position: Side

RTAP_SAR Test Report

Report Date : 24-Oct-2006
Measurement Date : 24-Oct-2006

Product Data
Device Name : A790
Serial No. : side
Type : Other
Model : 1
Frequency : 835.00 MHz
Max. Transmit Pwr : 0.21 W
Drift Time : 0 min(s)
Length : 25 mm
Width : 140 mm
Depth : 2 mm
Antenna Type : Internal

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

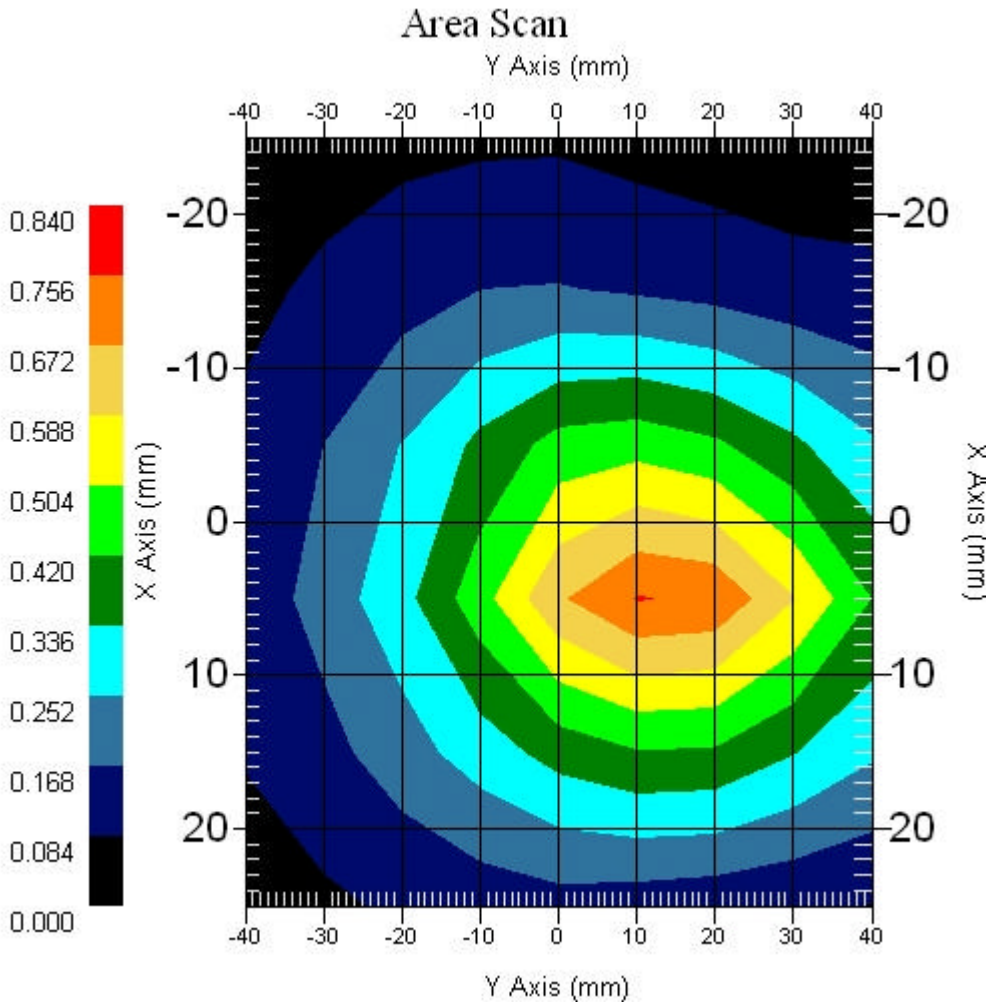
Tissue Data
Type : BODY
Serial No. : 835BODY
Frequency : 835.00 MHz
Last Calib. Date : 24-Oct-2006
Temperature : 23.60 °C
Ambient Temp. : 23.80 °C
Humidity : 55.00 RH%
Epsilon : 53.97 F/m
Sigma : 0.98 S/m
Density : 1000.00 kg/cu. m

Probe Data
Name : E-field Probe
Model : ALS-E-020
Type : E-Field Triangle
Serial No. : 266
Last Calib. Date : 22-Jun-2006
Frequency : 835.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 6.9
Probe Sensitivity: 1.20 1.20 1.20 $\mu V/(V/m)^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data
Crest Factor : 1
Area Scan : 6x9x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

DUT Position : Touch
Channel : Mid - 836.4MHz

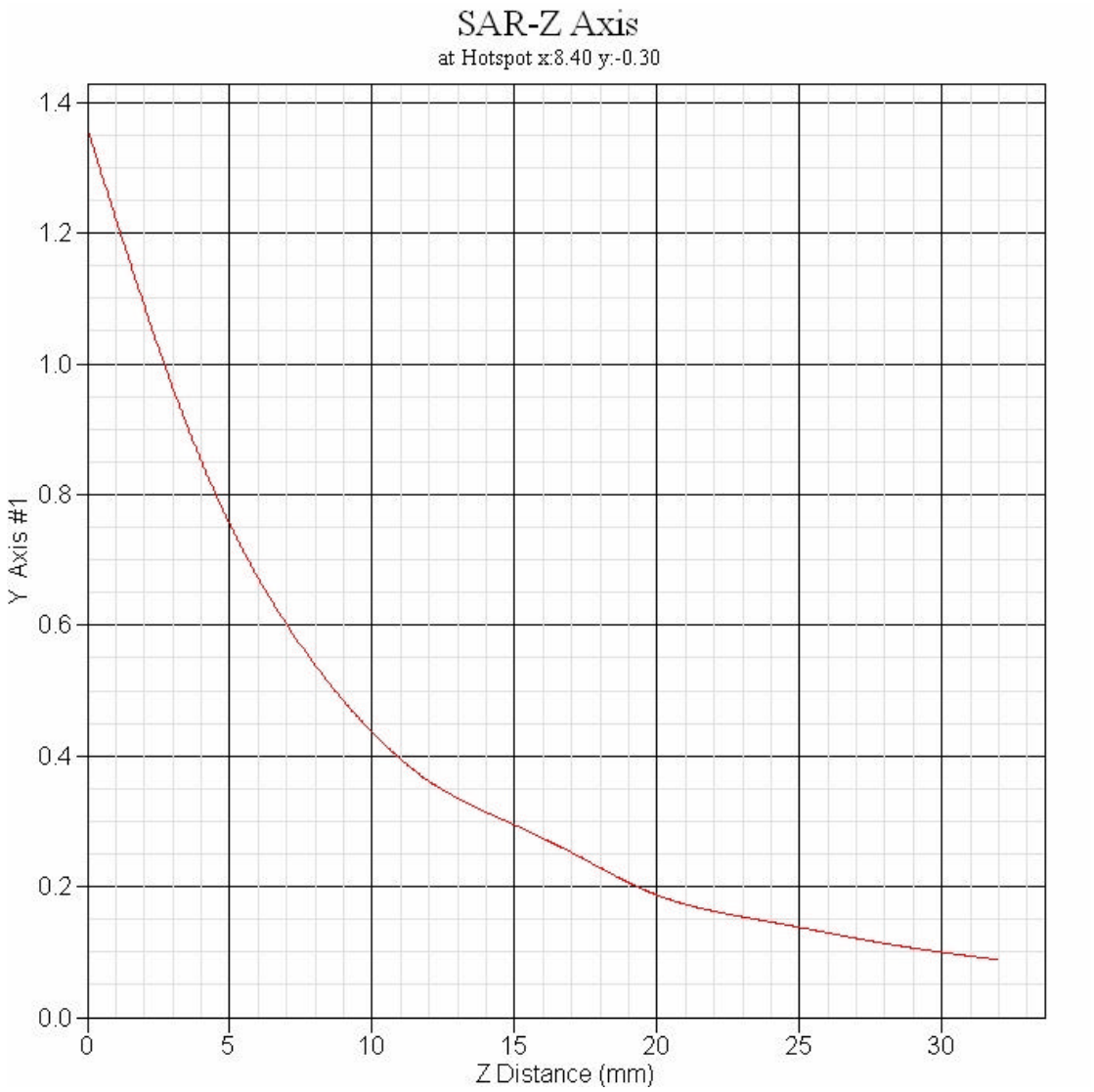
Power Drift-Start : 0.585 W/kg
Power Drift-Finish: 0.591 W/kg
Power Drift (%) : 1.025



1 gram SAR value : 0.654 W/kg
10 gram SAR value : 0.370 W/kg
Area Scan Peak SAR : 0.760 W/kg
Zoom Scan Peak SAR : 1.141 W/kg

1.8 Z-Axis plot

Frequency: 835MHz FTAP, EUT Side



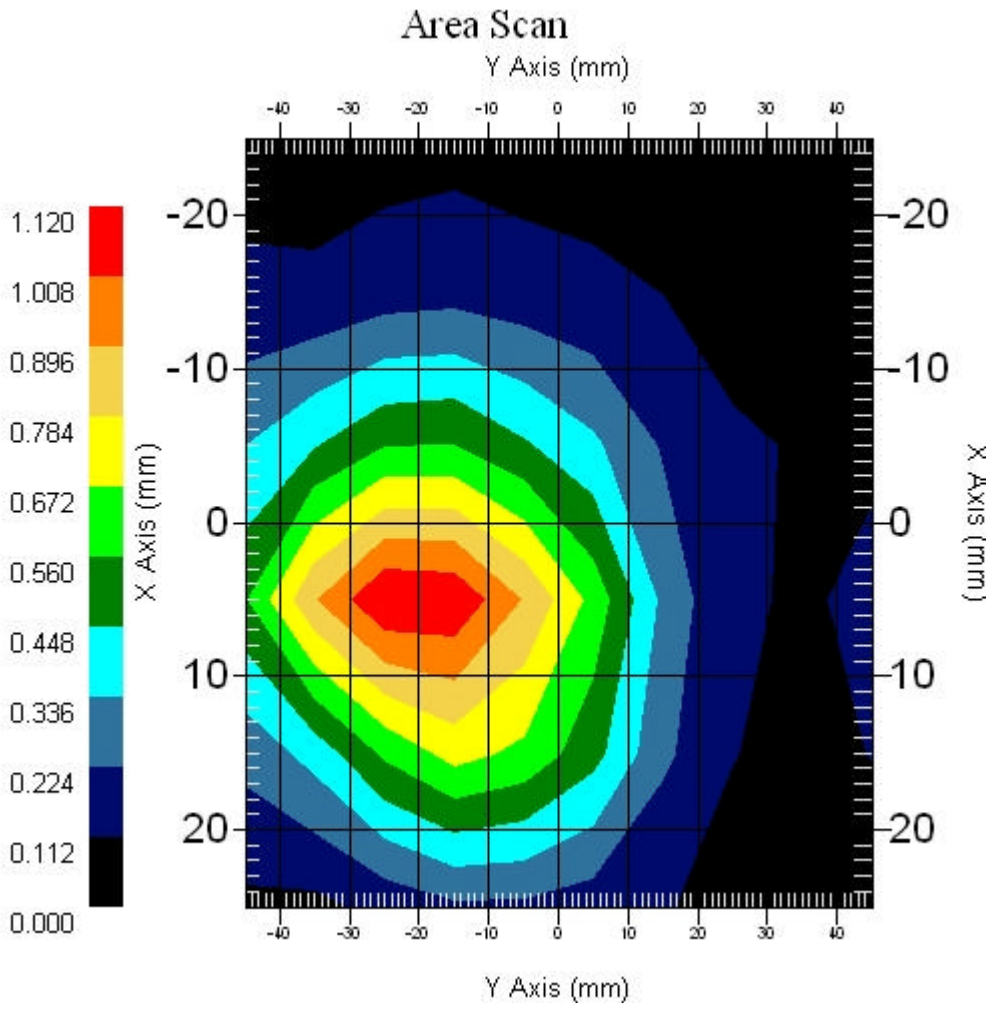
2 1900 MHz SAR measurement Data

FTAP_SAR Test Report

```
Report Date       : 24-Oct-2006
Measurement Date  : 24-Oct-2006

Product Data
Device Name       : A790
Serial No.        : side
Type              : Other
Frequency         : 1900.00 MHz
Max. Transmit Pwr : 0.21 W
Drift Time        : 0 min(s)
Length            : 25 mm
Width             : 140 mm
Depth             : 2 mm
Antenna Type      : Internal

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

Tissue Data
Type            : BODY
Serial No.      : 1900BODY
Frequency       : 1900.00 MHz
Last Calib. Date : 24-Oct-2006
Temperature     : 23.60 °C
Ambient Temp.   : 23.80 °C
Humidity        : 56.00 RH%
Epsilon         : 53.02 F/m
Sigma           : 1.53 S/m
Density         : 1000.00 kg/cu. m

Probe Data
Name            : E-field Probe
Model           : ALS-E-020
Type            : E-Field Triangle
Serial No.      : 266
Last Calib. Date : 22-Jun-2006
Frequency       : 1900.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 5.41
Probe Sensitivity: 1.20  1.20  1.20   μV/(V/m)²
Compression Point: 95.00 mV
Offset          : 1.56 mm
```

2.1 1900 MHz, EUT Position: Side

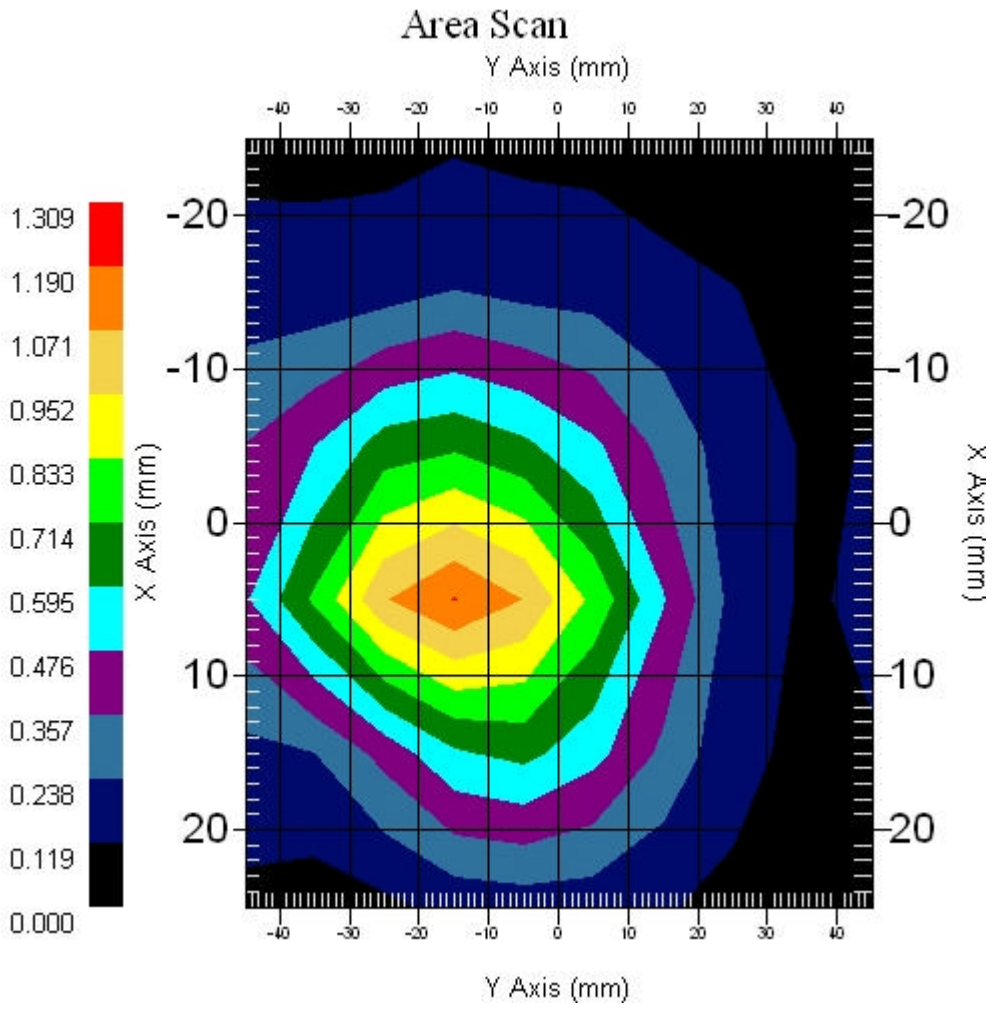
```
Measurement Data
Crest Factor     : 1
Area Scan        : 6x10x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan        : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

DUT Position     : Touch
Channel          : Low - 1851.25MHz

Power Drift-Start : 0.645 W/kg
Power Drift-Finish: 0.655 W/kg
Power Drift (%)   : 3.007
```




```
1 gram SAR value   : 1.036 W/kg
10 gram SAR value  : 0.551 W/kg
Area Scan Peak SAR : 1.115 W/kg
Zoom Scan Peak SAR : 1.931 W/kg
```

2.2 1900 MHz, EUT Position: Side

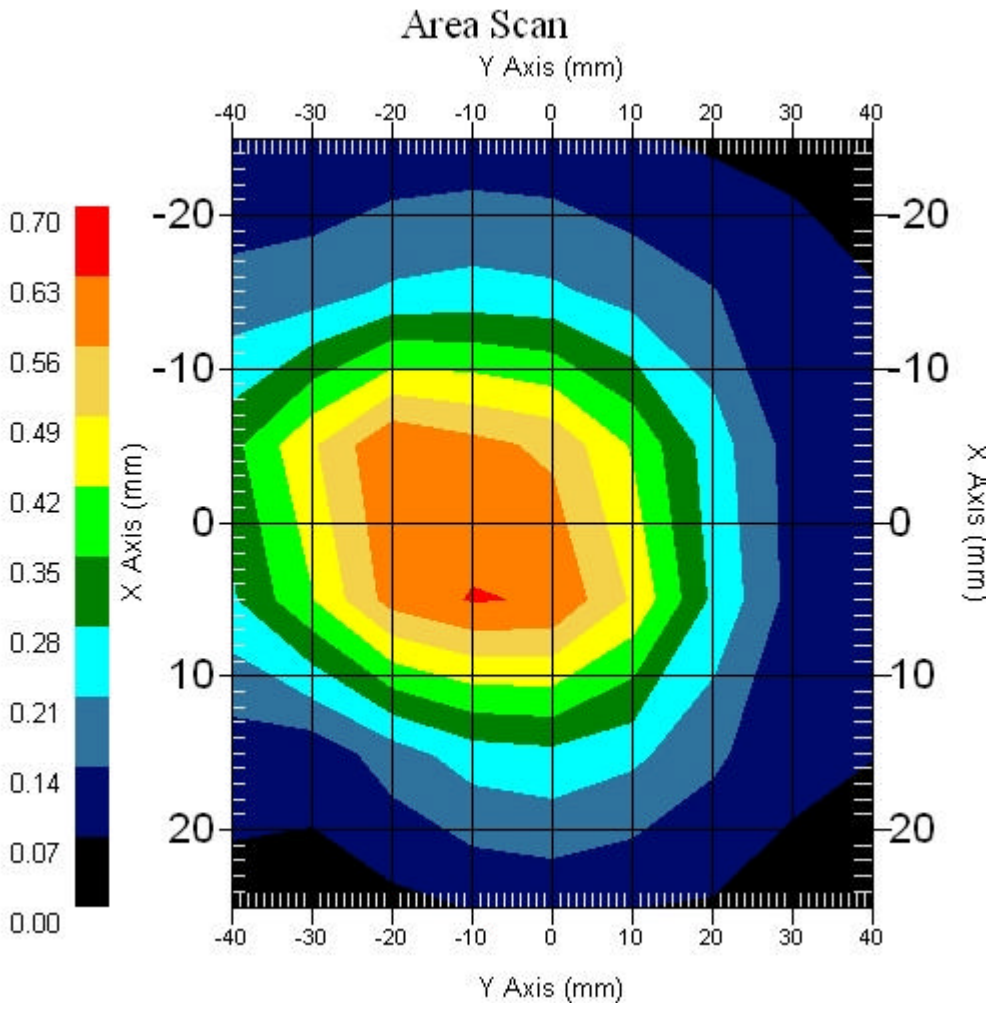
```
Measurement Data
Crest Factor     : 1
Area Scan        : 6x10x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan        : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

DUT Position     : Touch
Channel          : Mid - 1880MHz

Power Drift-Start : 0.817 W/kg
Power Drift-Finish: 0.804 W/kg
Power Drift (%)   : -1.591
```




```
1 gram SAR value   : 0.951 W/kg
10 gram SAR value  : 0.491 W/kg
Area Scan Peak SAR : 1.194 W/kg
Zoom Scan Peak SAR : 1.741 W/kg
```

2.3 1900 MHz, EUT Position: Side

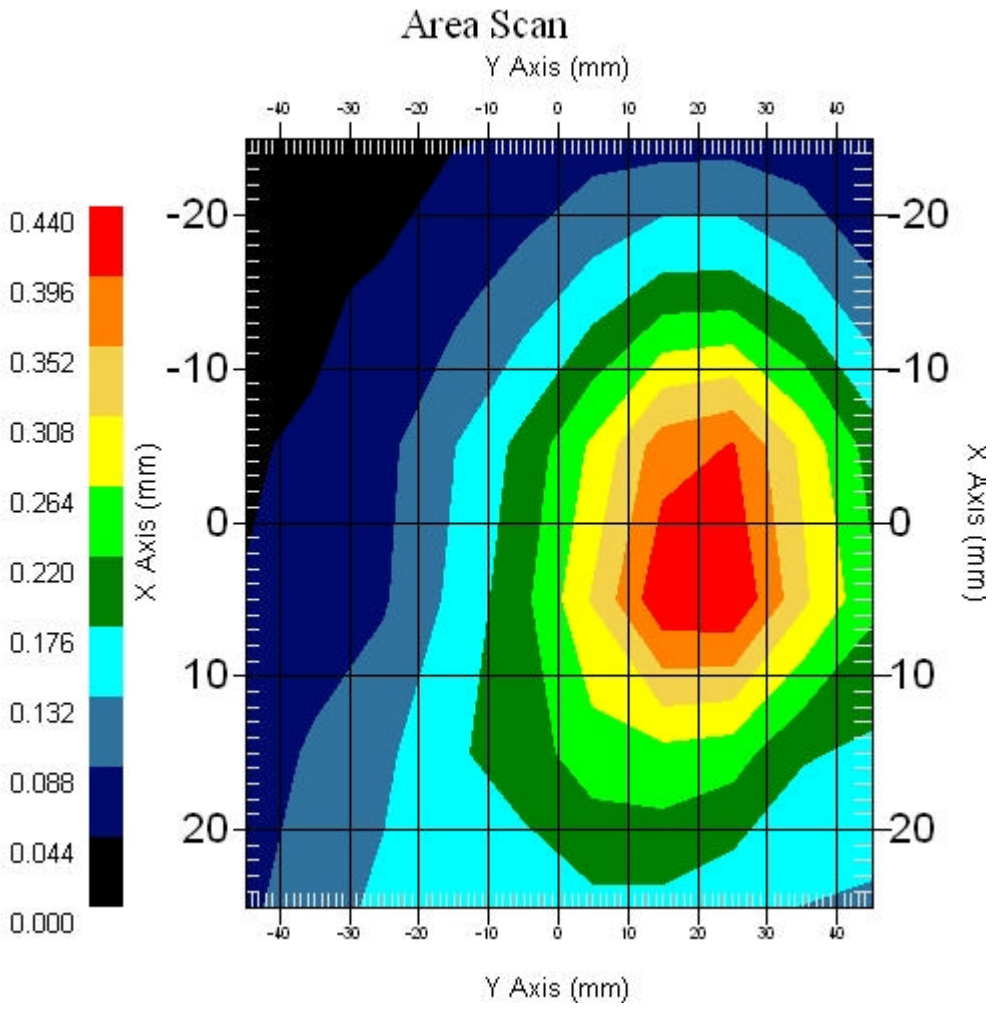
```
Measurement Data
Crest Factor     : 1
Area Scan        : 6x9x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan        : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

DUT Position     : Touch
Channel          : High - 1908.75MHz

Power Drift-Start : 0.660 W/kg
Power Drift-Finish: 0.649 W/kg
Power Drift (%)   : -1.667
```




```
1 gram SAR value   : 0.661 W/kg
10 gram SAR value  : 0.336 W/kg
Area Scan Peak SAR : 0.634 W/kg
Zoom Scan Peak SAR : 1.291 W/kg
```

2.4 1900 MHz, EUT Position: Back

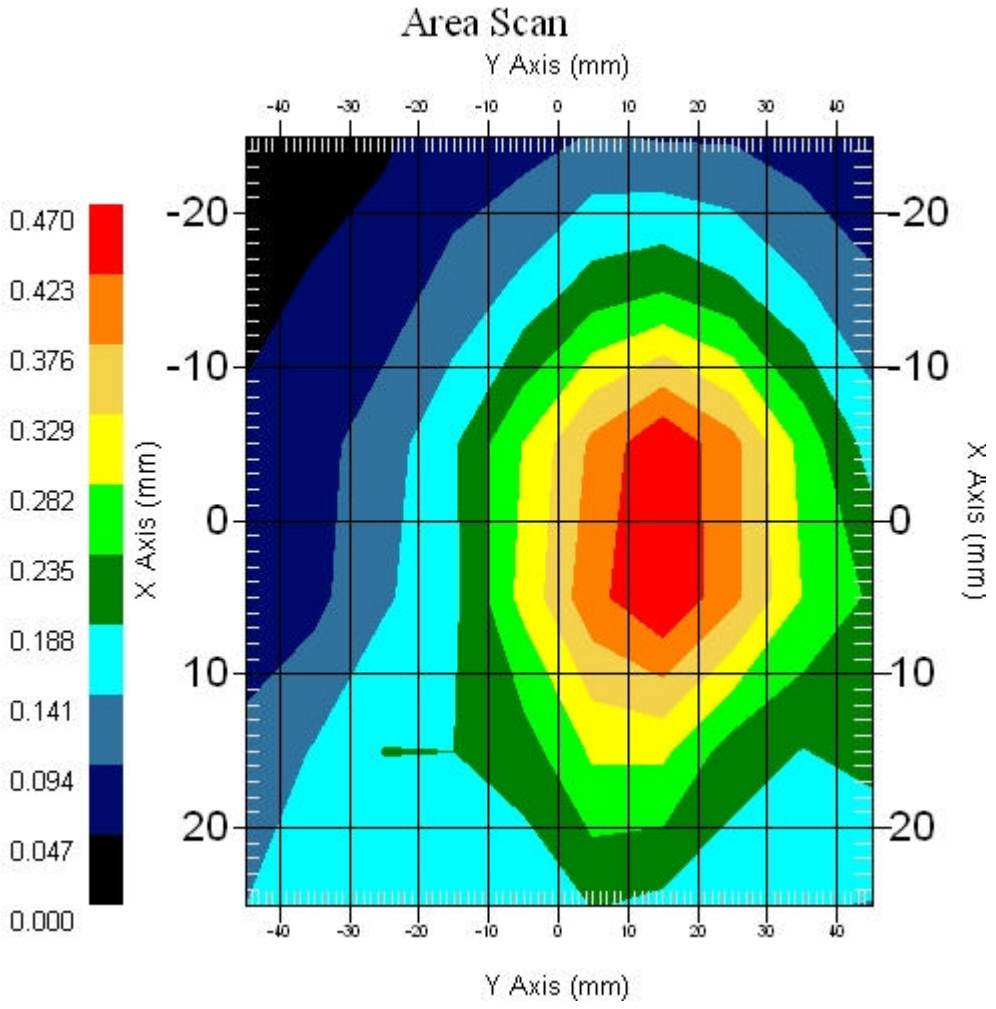
```
Measurement Data
Crest Factor     : 1
Area Scan        : 6x10x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan        : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

DUT Position     : Touch
Channel          : Low - 1851.25MHz

Power Drift-Start : 0.251 W/kg
Power Drift-Finish: 0.256 W/kg
Power Drift (%)   : 1.992
```




```
1 gram SAR value   : 0.392 W/kg
10 gram SAR value  : 0.222 W/kg
Area Scan Peak SAR : 0.439 W/kg
Zoom Scan Peak SAR : 0.720 W/kg
```

2.5 1900 MHz, EUT Position: Back

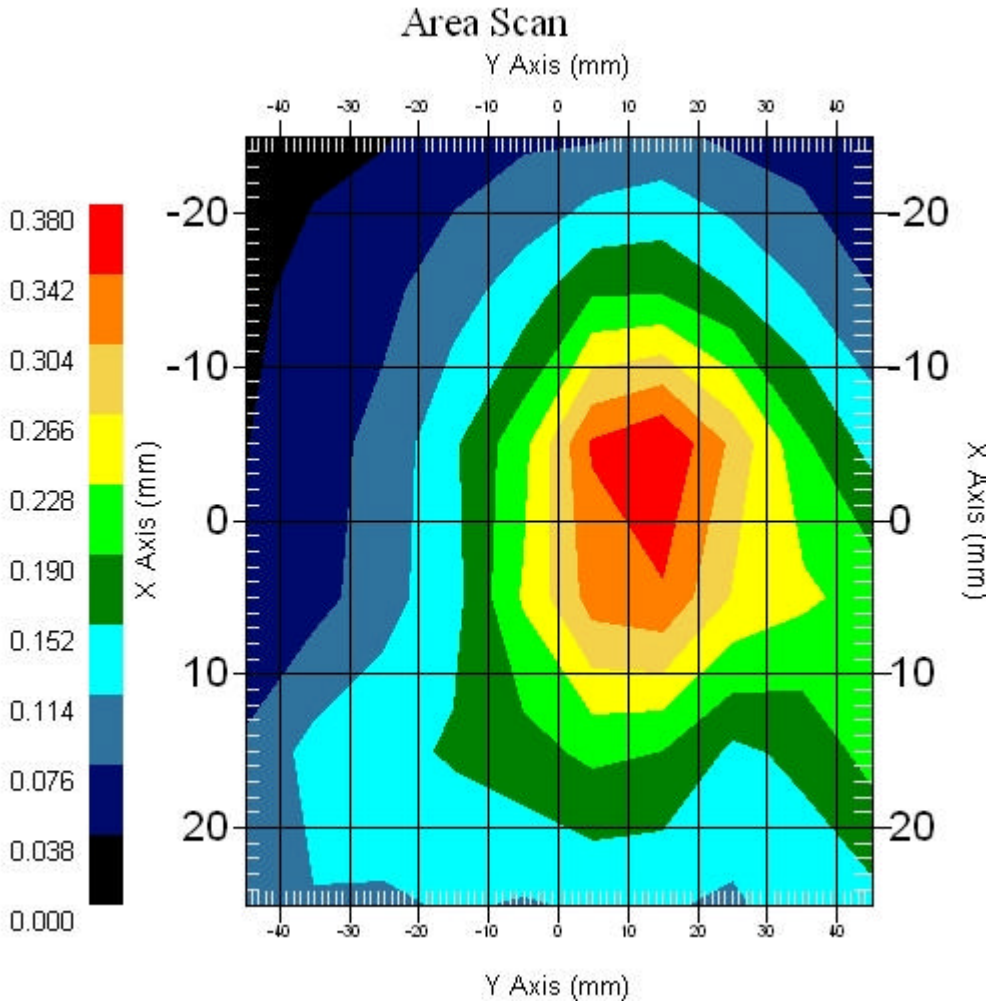
```
Measurement Data
Crest Factor     : 1
Area Scan        : 6x10x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan        : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

DUT Position     : Touch
Channel          : Mid - 1880MHz

Power Drift-Start : 0.389 W/kg
Power Drift-Finish: 0.381 W/kg
Power Drift (%)   : -2.056
```




```
1 gram SAR value   : 0.452 W/kg
10 gram SAR value  : 0.256 W/kg
Area Scan Peak SAR : 0.469 W/kg
Zoom Scan Peak SAR : 0.780 W/kg
```

2.6 1900 MHz, EUT Position: Back

```
Measurement Data
Crest Factor      : 1
Area Scan         : 6x10x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan         : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

DUT Position      : Touch
Channel           : High - 1908.75MHz

Power Drift-Start : 0.325 W/kg
Power Drift-Finish: 0.321 W/kg
Power Drift (%)   : -1.230
```




```
1 gram SAR value    : 0.331 W/kg
10 gram SAR value   : 0.190 W/kg
Area Scan Peak SAR  : 0.377 W/kg
Zoom Scan Peak SAR  : 0.550 W/kg
```

2.7 1900 MHz, EUT Position: Side

RTAP_SAR Test Report

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Measurement Date : 24-Oct-2006

Product Data
Device Name : A790
Serial No. : side
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Serial No. : 1900BODY
Frequency : 1900.00 MHz
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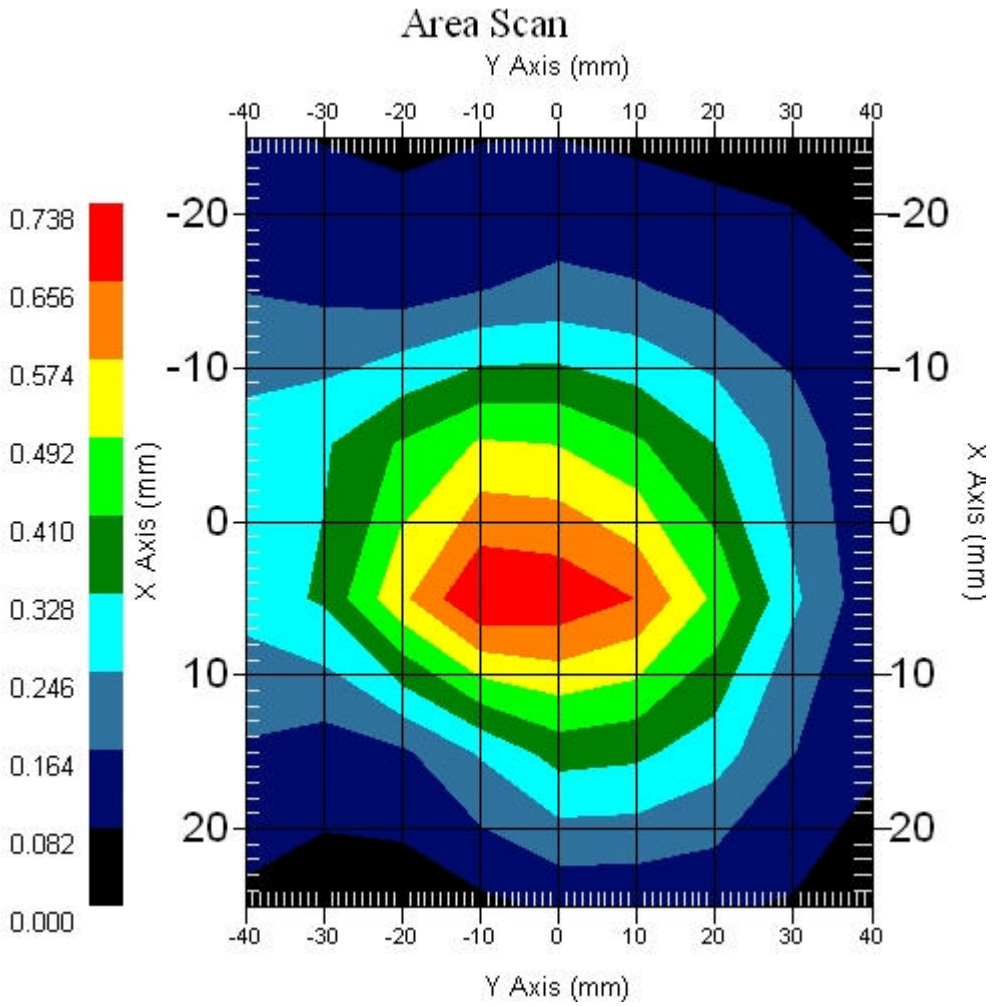
Ambient Temp. : 23.80 °C
Humidity : 56.00 RH%
Epsilon : 53.02 F/m
Sigma : 1.53 S/m
Density : 1000.00 kg/cu. m

Probe Data
Name : E-field Probe
Model : ALS-E-020
Type : E-Field Triangle
Serial No. : 266
Last Calib. Date : 22-Jun-2006
Frequency : 1900.00 MHz
Duty Cycle Factor: 1
Conversion Factor: 5.41
Probe Sensitivity: 1.20 1.20 1.20 $\mu V/(V/m)^2$
Compression Point: 95.00 mV
Offset : 1.56 mm

Measurement Data
Crest Factor : 1
Area Scan : 6x9x1 : Measurement x=10mm, y=10mm, z=4mm
Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

DUT Position : Touch
Channel : Mid - 1880MHz

Power Drift-Start : 0.700 W/kg
Power Drift-Finish: 0.693 W/kg
Power Drift (%) : -1.105



1 gram SAR value : 0.678 W/kg
10 gram SAR value : 0.359 W/kg
Area Scan Peak SAR : 0.737 W/kg
Zoom Scan Peak SAR : 1.251 W/kg

2.8 Z-Axis plot

Frequency: 1900MHz FTAP, EUT Side