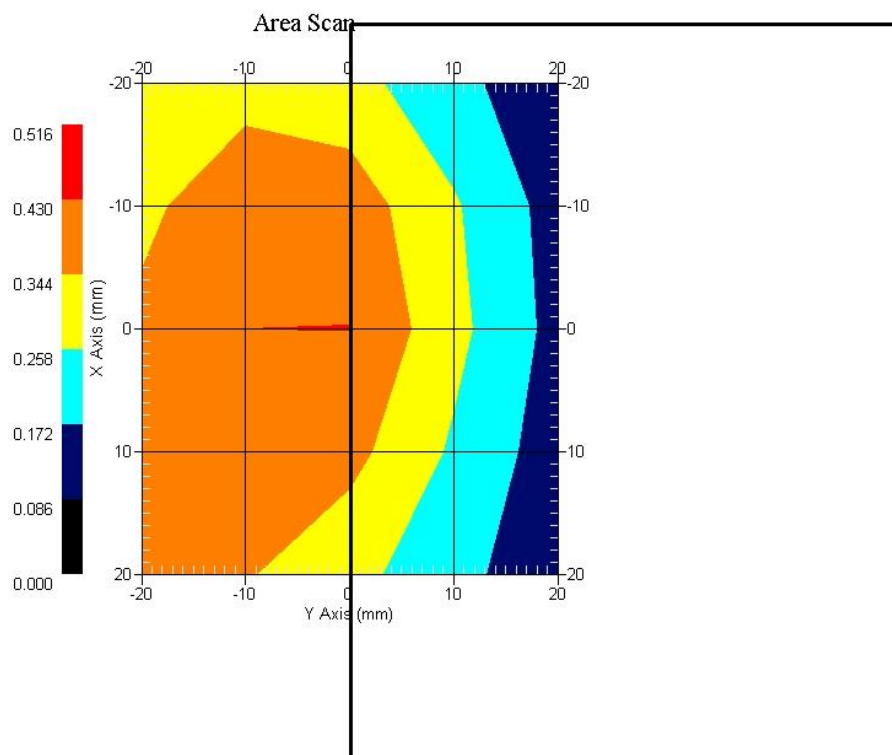


## Measurement Data

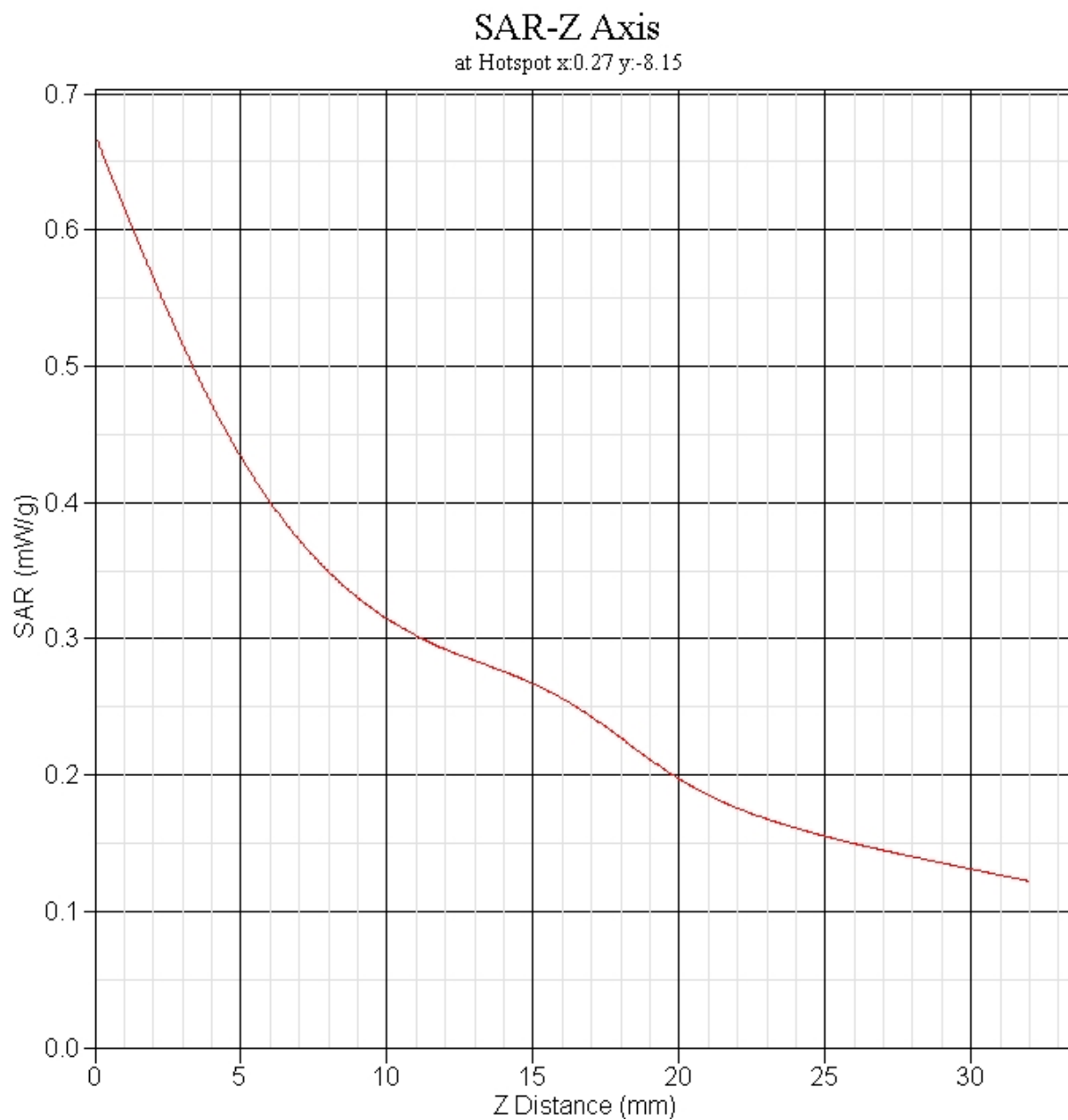
Crest Factor : 1  
Scan Type : Complete  
Tissue Temp. : 20.00 °C  
Ambient Temp. : 23.00 °C  
Set-up Date : 27-Oct-2006  
Set-up Time : 10:09:59 AM  
Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=4mm  
Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

## Other Data

DUT Position : Touch  
Separation : 0  
Channel : Mid



1 gram SAR value : 0.438 W/kg  
10 gram SAR value : 0.306 W/kg  
Area Scan Peak SAR : 0.431 W/kg  
Zoom Scan Peak SAR : 0.670 W/kg



## SAR Test Report

By Operator : Jay  
Measurement Date : 27-Oct-2006  
Starting Time : 27-Oct-2006 10:38:48 AM  
End Time : 27-Oct-2006 10:51:57 AM  
Scanning Time : 789 secs

### Product Data

Device Name : Vulcan Inc.  
Serial No. : Standard  
Type : Other  
Model : E-1001  
Frequency : 835.00 MHz  
Max. Transmit Pwr : 0.355 W  
Drift Time : 0 min(s)  
Length : 150 mm  
Width : 110 mm  
Depth : 133 mm  
Antenna Type : Internal  
Orientation : Touch  
Power Drift-Start : 0.402 W/kg  
Power Drift-Finish: 0.407 W/kg  
Power Drift (%) : 1.244

### Phantom Data

Name : APREL-Uni  
Type : Uni-Phantom  
Size (mm) : 280 x 280 x 200  
Serial No. : System Default  
Location : Center  
Description : Uni-Phantom

### Tissue Data

Type : BODY  
Serial No. : 835  
Frequency : 835.00 MHz  
Last Calib. Date : 27-Oct-2006  
Temperature : 20.00 °C  
Ambient Temp. : 23.00 °C  
Humidity : 52.00 RH%  
Epsilon : 56.65 F/m  
Sigma : 0.96 S/m  
Density : 1000.00 kg/cu. m

### Probe Data

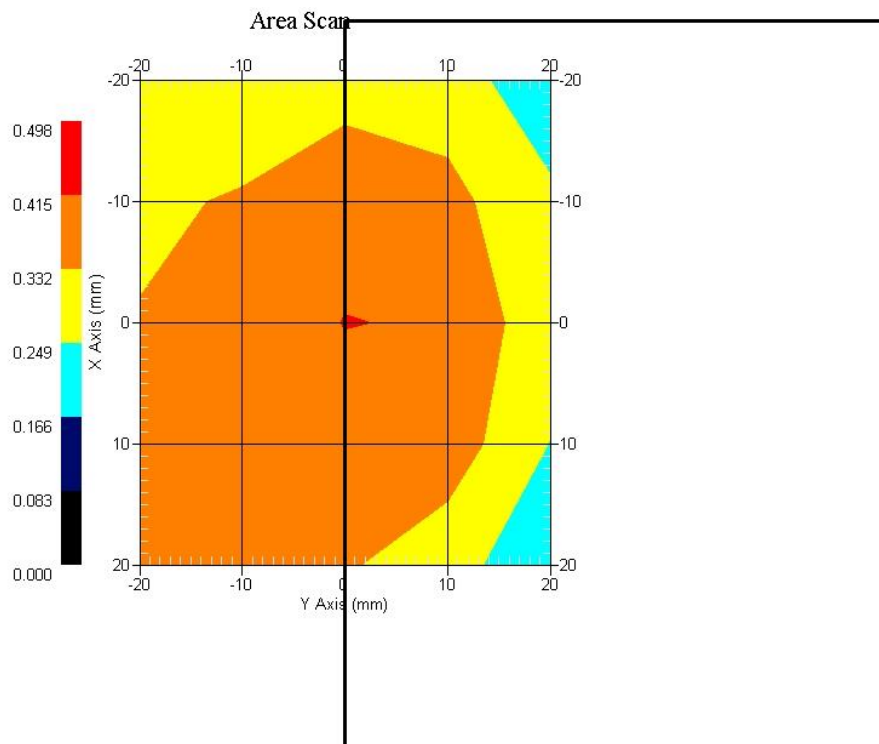
Name : RFEL 217  
Model : E020  
Type : E-Field Triangle  
Serial No. : 217  
Last Calib. Date : 30-May-2006  
Frequency : 835.00 MHz  
Duty Cycle Factor: 1  
Conversion Factor: 6.1  
Probe Sensitivity: 1.20 1.20 1.20  $\mu\text{V}/(\text{V/m})^2$   
Compression Point: 95.00 mV  
Offset : 1.56 mm

**Measurement Data**

Crest Factor : 1  
 Scan Type : Complete  
 Tissue Temp. : 20.00 °C  
 Ambient Temp. : 23.00 °C  
 Set-up Date : 27-Oct-2006  
 Set-up Time : 10:09:59 AM  
 Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=4mm  
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

**Other Data**

DUT Position : Touch  
 Separation : 0  
 Channel : Mid



1 gram SAR value : 0.400 W/kg  
 10 gram SAR value : 0.277 W/kg  
 Area Scan Peak SAR : 0.417 W/kg  
 Zoom Scan Peak SAR : 0.570 W/kg

## SAR Test Report

By Operator : Jay  
Measurement Date : 27-Oct-2006  
Starting Time : 27-Oct-2006 11:22:38 AM  
End Time : 27-Oct-2006 11:35:45 AM  
Scanning Time : 787 secs

### Product Data

Device Name : Vulcan Inc.  
Serial No. : Standard  
Type : Other  
Model : E-1001  
Frequency : 835.00 MHz  
Max. Transmit Pwr : 0.355 W  
Drift Time : 0 min(s)  
Length : 150 mm  
Width : 110 mm  
Depth : 133 mm  
Antenna Type : Internal  
Orientation : Touch  
Power Drift-Start : 0.486 W/kg  
Power Drift-Finish: 0.491 W/kg  
Power Drift (%) : 0.987

### Phantom Data

Name : APREL-Uni  
Type : Uni-Phantom  
Size (mm) : 280 x 280 x 200  
Serial No. : System Default  
Location : Center  
Description : Uni-Phantom

### Tissue Data

Type : BODY  
Serial No. : 835  
Frequency : 835.00 MHz  
Last Calib. Date : 27-Oct-2006  
Temperature : 20.00 °C  
Ambient Temp. : 23.00 °C  
Humidity : 52.00 RH%  
Epsilon : 56.65 F/m  
Sigma : 0.96 S/m  
Density : 1000.00 kg/cu. m

### Probe Data

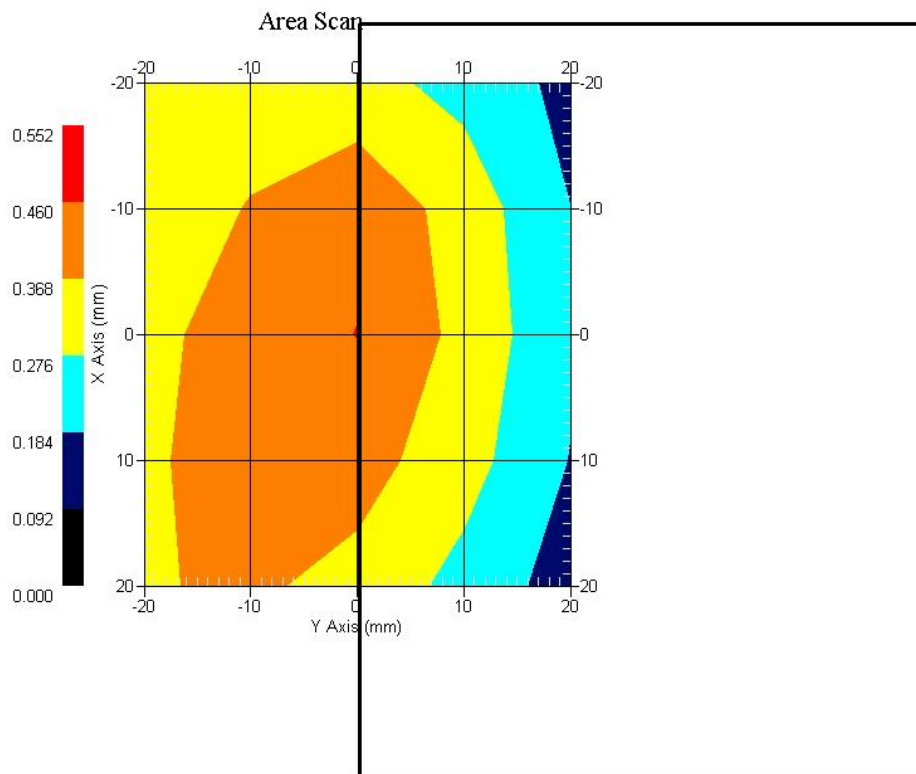
Name : RFEL 217  
Model : E020  
Type : E-Field Triangle  
Serial No. : 217  
Last Calib. Date : 30-May-2006  
Frequency : 835.00 MHz  
Duty Cycle Factor: 1  
Conversion Factor: 6.1  
Probe Sensitivity: 1.20 1.20 1.20  $\mu\text{V}/(\text{V/m})^2$   
Compression Point: 95.00 mV  
Offset : 1.56 mm

**Measurement Data**

Crest Factor : 1  
 Scan Type : Complete  
 Tissue Temp. : 20.00 °C  
 Ambient Temp. : 23.00 °C  
 Set-up Date : 27-Oct-2006  
 Set-up Time : 10:09:59 AM  
 Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=4mm  
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

**Other Data**

DUT Position : Touch  
 Separation : 0  
 Channel : Mid



1 gram SAR value : 0.427 W/kg  
 10 gram SAR value : 0.302 W/kg  
 Area Scan Peak SAR : 0.462 W/kg  
 Zoom Scan Peak SAR : 0.610 W/kg

## SAR Test Report

By Operator : Jay  
Measurement Date : 27-Oct-2006  
Starting Time : 27-Oct-2006 01:18:28 PM  
End Time : 27-Oct-2006 01:44:50 PM  
Scanning Time : 1582 secs

### Product Data

Device Name : Vulcan Inc.  
Serial No. : Standard  
Type : Other  
Model : E-1001  
Frequency : 835.00 MHz  
Max. Transmit Pwr : 0.355 W  
Drift Time : 0 min(s)  
Length : 150 mm  
Width : 110 mm  
Depth : 133 mm  
Antenna Type : Internal  
Orientation : Touch  
Power Drift-Start : 0.425 W/kg  
Power Drift-Finish: 0.409 W/kg  
Power Drift (%) : -3.765

### Phantom Data

Name : APREL-Uni  
Type : Uni-Phantom  
Size (mm) : 280 x 280 x 200  
Serial No. : System Default  
Location : Center  
Description : Uni-Phantom

### Tissue Data

Type : BODY  
Serial No. : 835  
Frequency : 835.00 MHz  
Last Calib. Date : 27-Oct-2006  
Temperature : 20.00 °C  
Ambient Temp. : 23.00 °C  
Humidity : 52.00 RH%  
Epsilon : 56.65 F/m  
Sigma : 0.96 S/m  
Density : 1000.00 kg/cu. m

### Probe Data

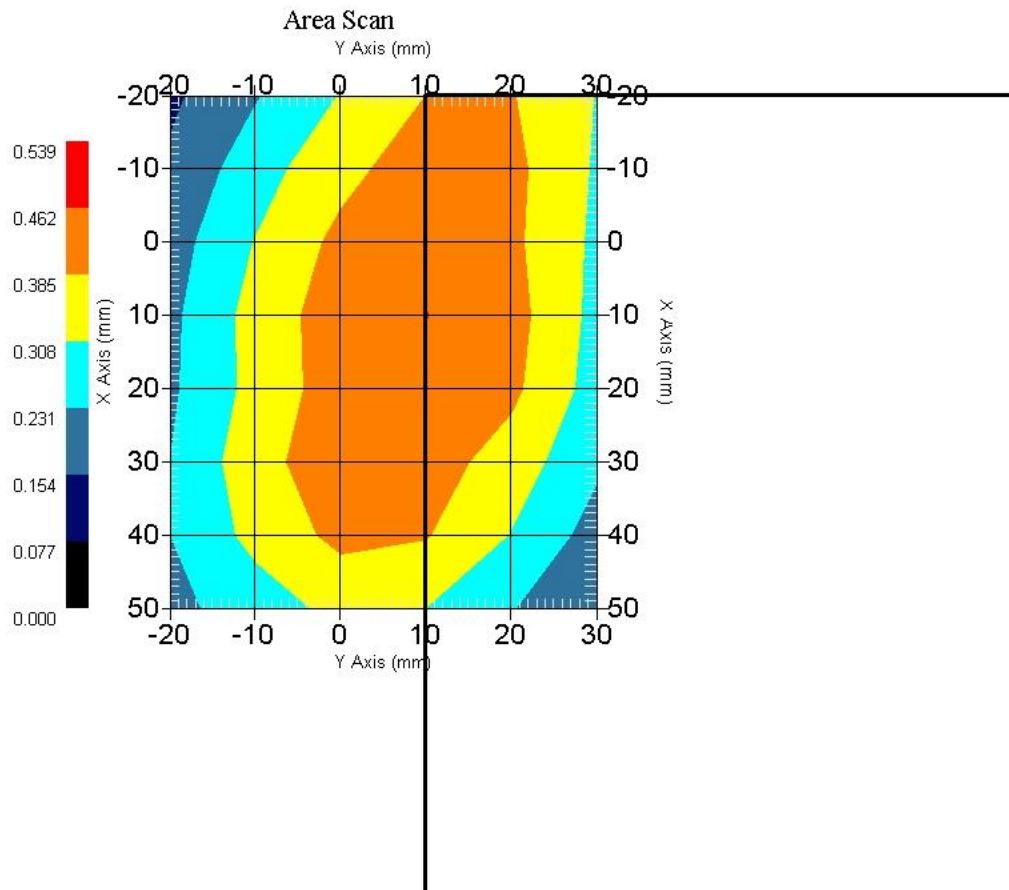
Name : RFEL 217  
Model : E020  
Type : E-Field Triangle  
Serial No. : 217  
Last Calib. Date : 30-May-2006  
Frequency : 835.00 MHz  
Duty Cycle Factor: 1  
Conversion Factor: 6.1  
Probe Sensitivity: 1.20 1.20 1.20  $\mu\text{V}/(\text{V/m})^2$   
Compression Point: 95.00 mV  
Offset : 1.56 mm

**Measurement Data**

Crest Factor : 1  
 Scan Type : Complete  
 Tissue Temp. : 20.00 °C  
 Ambient Temp. : 23.00 °C  
 Set-up Date : 27-Oct-2006  
 Set-up Time : 10:09:59 AM  
 Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=4mm  
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

**Other Data**

DUT Position : Touch  
 Separation : 0  
 Channel : Mid



1 gram SAR value : 0.424 W/kg  
 10 gram SAR value : 0.311 W/kg  
 Area Scan Peak SAR : 0.463 W/kg  
 Zoom Scan Peak SAR : 0.530 W/kg



## SAR Test Report

By Operator : Jay  
Measurement Date : 27-Oct-2006  
Starting Time : 27-Oct-2006 02:04:09 PM  
End Time : 27-Oct-2006 02:21:16 PM  
Scanning Time : 1027 secs

### Product Data

Device Name : Vulcan Inc.  
Serial No. : Standard  
Type : Other  
Model : E-1001  
Frequency : 835.00 MHz  
Max. Transmit Pwr : 0.355 W  
Drift Time : 0 min(s)  
Length : 150 mm  
Width : 110 mm  
Depth : 133 mm  
Antenna Type : Internal  
Orientation : Touch  
Power Drift-Start : 0.406 W/kg  
Power Drift-Finish: 0.404 W/kg  
Power Drift (%) : -0.575

### Phantom Data

Name : APREL-Uni  
Type : Uni-Phantom  
Size (mm) : 280 x 280 x 200  
Serial No. : System Default  
Location : Center  
Description : Uni-Phantom

### Tissue Data

Type : BODY  
Serial No. : 835  
Frequency : 835.00 MHz  
Last Calib. Date : 27-Oct-2006  
Temperature : 20.00 °C  
Ambient Temp. : 23.00 °C  
Humidity : 52.00 RH%  
Epsilon : 56.65 F/m  
Sigma : 0.96 S/m  
Density : 1000.00 kg/cu. m

### Probe Data

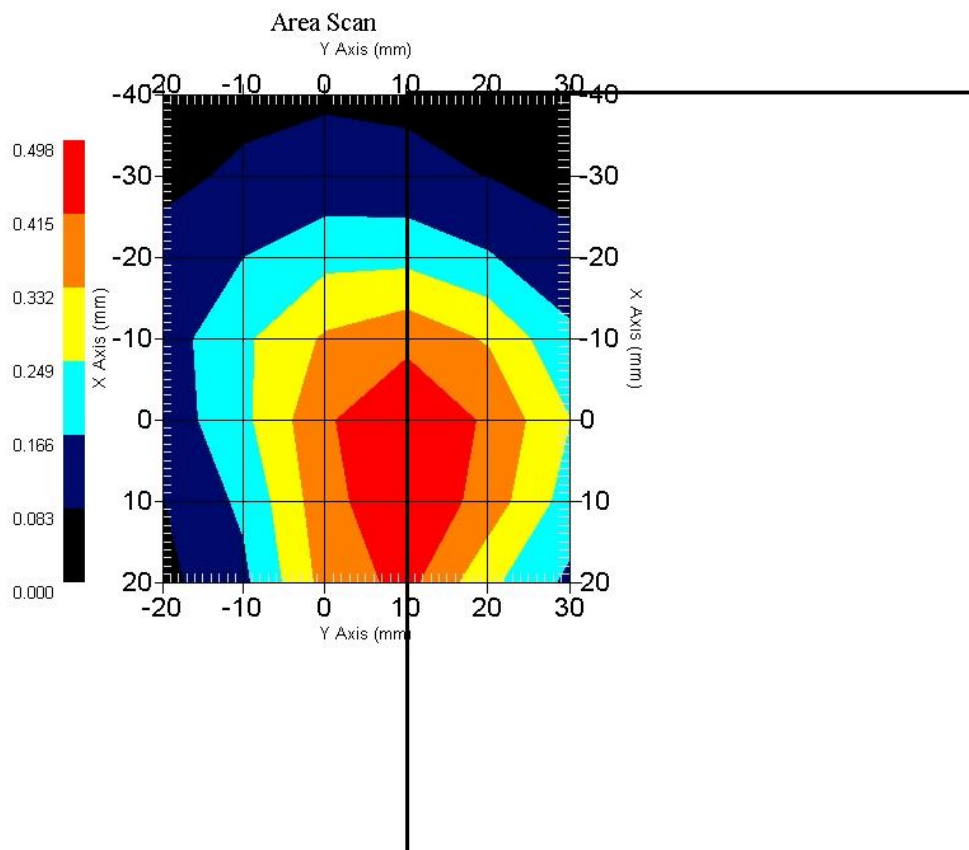
Name : RFEL 217  
Model : E020  
Type : E-Field Triangle  
Serial No. : 217  
Last Calib. Date : 30-May-2006  
Frequency : 835.00 MHz  
Duty Cycle Factor: 1  
Conversion Factor: 6.1  
Probe Sensitivity: 1.20 1.20 1.20  $\mu\text{V}/(\text{V/m})^2$   
Compression Point: 95.00 mV  
Offset : 1.56 mm

**Measurement Data**

Crest Factor : 1  
 Scan Type : Complete  
 Tissue Temp. : 20.00 °C  
 Ambient Temp. : 23.00 °C  
 Set-up Date : 27-Oct-2006  
 Set-up Time : 10:09:59 AM  
 Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=4mm  
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

**Other Data**

DUT Position : Touch  
 Separation : 0  
 Channel : Mid



1 gram SAR value : 0.419 W/kg  
 10 gram SAR value : 0.243 W/kg  
 Area Scan Peak SAR : 0.495 W/kg  
 Zoom Scan Peak SAR : 0.670 W/kg

## SAR Test Report

Operator : Jay  
Measurement Date : 27-Oct-2006  
Starting Time : 27-Oct-2006 02:53:01 PM  
End Time : 27-Oct-2006 03:10:48 PM  
Scanning Time : 1067 secs

### Product Data

Device Name : Vulcan Inc.  
Serial No. : Standard  
Type : Other  
Model : E-1001  
Frequency : 835.00 MHz  
Max. Transmit Pwr : 0.355 W  
Drift Time : 0 min(s)  
Length : 150 mm  
Width : 110 mm  
Depth : 133 mm  
Antenna Type : Internal  
Orientation : Touch  
Power Drift-Start : 0.452 W/kg  
Power Drift-Finish: 0.444 W/kg  
Power Drift (%) : -1.759

### Phantom Data

Name : APREL-Uni  
Type : Uni-Phantom  
Size (mm) : 280 x 280 x 200  
Serial No. : System Default  
Location : Center  
Description : Uni-Phantom

### Tissue Data

Type : BODY  
Serial No. : 835  
Frequency : 835.00 MHz  
Last Calib. Date : 27-Oct-2006  
Temperature : 20.00 °C  
Ambient Temp. : 23.00 °C  
Humidity : 52.00 RH%  
Epsilon : 56.65 F/m  
Sigma : 0.96 S/m  
Density : 1000.00 kg/cu. m

### Probe Data

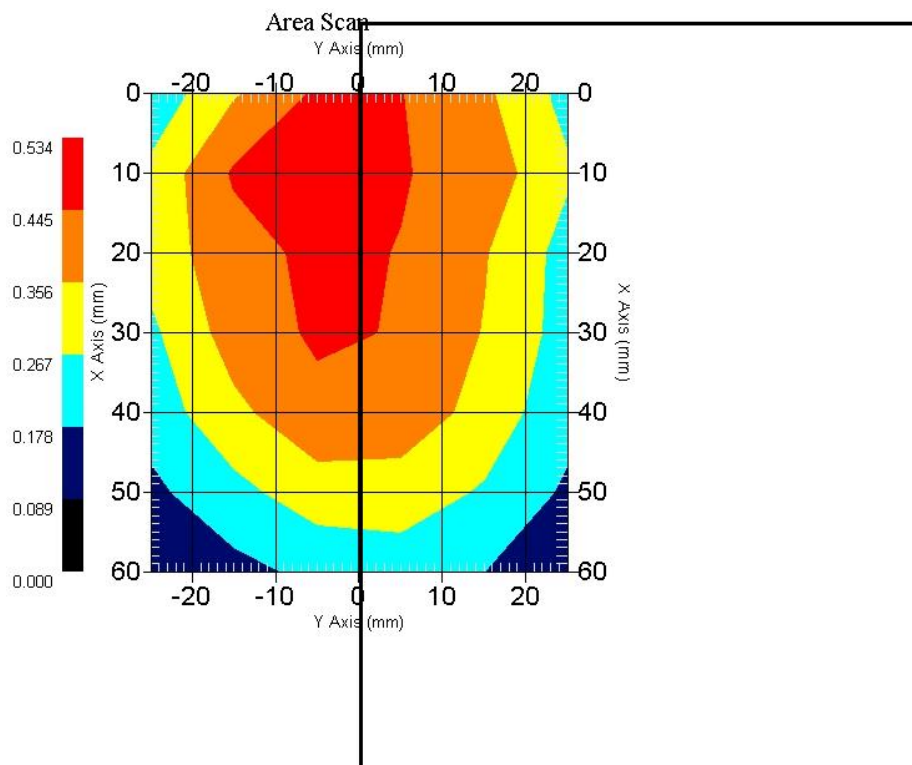
Name : RFEL 217  
Model : E020  
Type : E-Field Triangle  
Serial No. : 217  
Last Calib. Date : 30-May-2006  
Frequency : 835.00 MHz  
Duty Cycle Factor: 1  
Conversion Factor: 6.1  
Probe Sensitivity: 1.20 1.20 1.20  $\mu\text{V}/(\text{V/m})^2$   
Compression Point: 95.00 mV  
Offset : 1.56 mm

**Measurement Data**

Crest Factor : 1  
 Scan Type : Complete  
 Tissue Temp. : 20.00 °C  
 Ambient Temp. : 23.00 °C  
 Set-up Date : 27-Oct-2006  
 Set-up Time : 10:09:59 AM  
 Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=4mm  
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

**Other Data**

DUT Position : Touch  
 Separation : 0  
 Channel : Mid



1 gram SAR value : 0.437 W/kg  
 10 gram SAR value : 0.310 W/kg  
 Area Scan Peak SAR : 0.532 W/kg  
 Zoom Scan Peak SAR : 0.530 W/kg

## SAR Test Report

By Operator : Jay  
Measurement Date : 28-Oct-2006  
Starting Time : 28-Oct-2006 09:59:24 AM  
End Time : 28-Oct-2006 10:20:21 AM  
Scanning Time : 1257 secs

### Product Data

Device Name : Vulcan Inc.  
Serial No. : Standard  
Type : Other  
Model : E-1001  
Frequency : 1900.00 MHz  
Max. Transmit Pwr : 0.339 W  
Drift Time : 0 min(s)  
Length : 150 mm  
Width : 110 mm  
Depth : 133 mm  
Antenna Type : Internal  
Orientation : Touch  
Power Drift-Start : 0.695 W/kg  
Power Drift-Finish: 0.723 W/kg  
Power Drift (%) : 4.031

### Phantom Data

Name : APREL-Uni  
Type : Uni-Phantom  
Size (mm) : 280 x 280 x 200  
Serial No. : System Default  
Location : Center  
Description : Uni-Phantom

### Tissue Data

Type : BODY  
Serial No. : 1900  
Frequency : 1900.00 MHz  
Last Calib. Date : 28-Oct-2006  
Temperature : 20.00 °C  
Ambient Temp. : 23.00 °C  
Humidity : 50.00 RH%  
Epsilon : 52.30 F/m  
Sigma : 1.53 S/m  
Density : 1000.00 kg/cu. m

### Probe Data

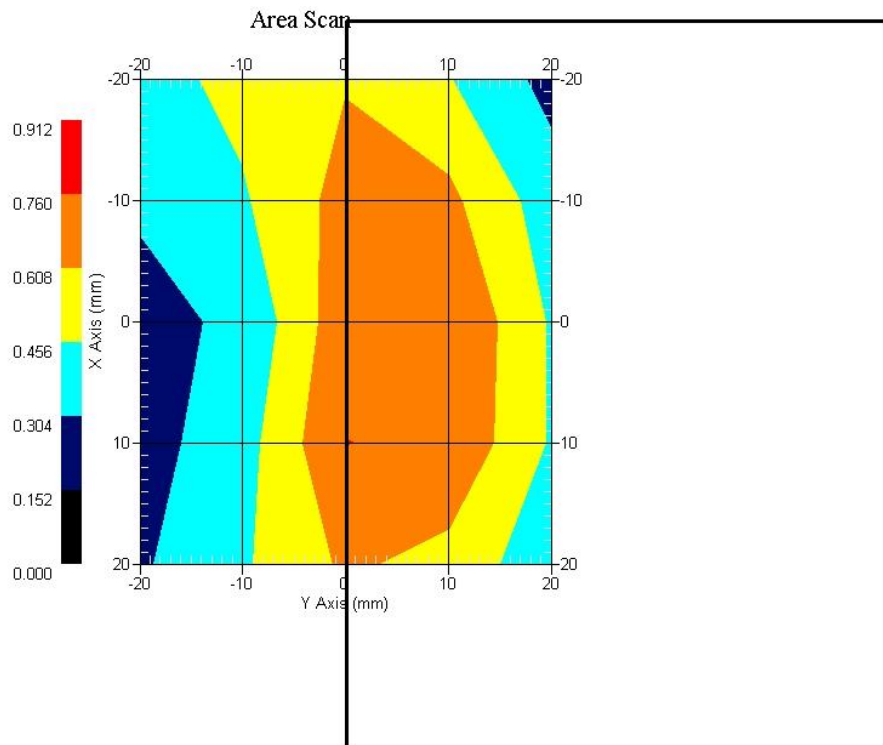
Name : RFEL 217  
Model : E020  
Type : E-Field Triangle  
Serial No. : 217  
Last Calib. Date : 30-May-2006  
Frequency : 1900.00 MHz  
Duty Cycle Factor: 1  
Conversion Factor: 4.85  
Probe Sensitivity: 1.20 1.20 1.20  $\mu\text{V}/(\text{V/m})^2$   
Compression Point: 95.00 mV  
Offset : 1.56 mm

**Measurement Data**

Crest Factor : 1  
 Scan Type : Complete  
 Tissue Temp. : 20.00 °C  
 Ambient Temp. : 23.00 °C  
 Set-up Date : 28-Oct-2006  
 Set-up Time : 9:22:59 AM  
 Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=4mm  
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

**Other Data**

DUT Position : Touch  
 Separation : 0  
 Channel : Mid



1 gram SAR value : 0.733 W/kg  
 10 gram SAR value : 0.442 W/kg  
 Area Scan Peak SAR : 0.762 W/kg  
 Zoom Scan Peak SAR : 1.271 W/kg

## SAR Test Report

By Operator : Jay  
Measurement Date : 28-Oct-2006  
Starting Time : 28-Oct-2006 10:36:31 AM  
End Time : 28-Oct-2006 10:49:35 AM  
Scanning Time : 784 secs

### Product Data

Device Name : Vulcan Inc.  
Serial No. : Standard  
Type : Other  
Model : E-1001  
Frequency : 1900.00 MHz  
Max. Transmit Pwr : 0.339 W  
Drift Time : 0 min(s)  
Length : 150 mm  
Width : 110 mm  
Depth : 133 mm  
Antenna Type : Internal  
Orientation : Touch  
Power Drift-Start : 0.564 W/kg  
Power Drift-Finish: 0.558 W/kg  
Power Drift (%) : -0.923

### Phantom Data

Name : APREL-Uni  
Type : Uni-Phantom  
Size (mm) : 280 x 280 x 200  
Serial No. : System Default  
Location : Center  
Description : Uni-Phantom

### Tissue Data

Type : BODY  
Serial No. : 1900  
Frequency : 1900.00 MHz  
Last Calib. Date : 28-Oct-2006  
Temperature : 20.00 °C  
Ambient Temp. : 23.00 °C  
Humidity : 50.00 RH%  
Epsilon : 52.30 F/m  
Sigma : 1.53 S/m  
Density : 1000.00 kg/cu. m

### Probe Data

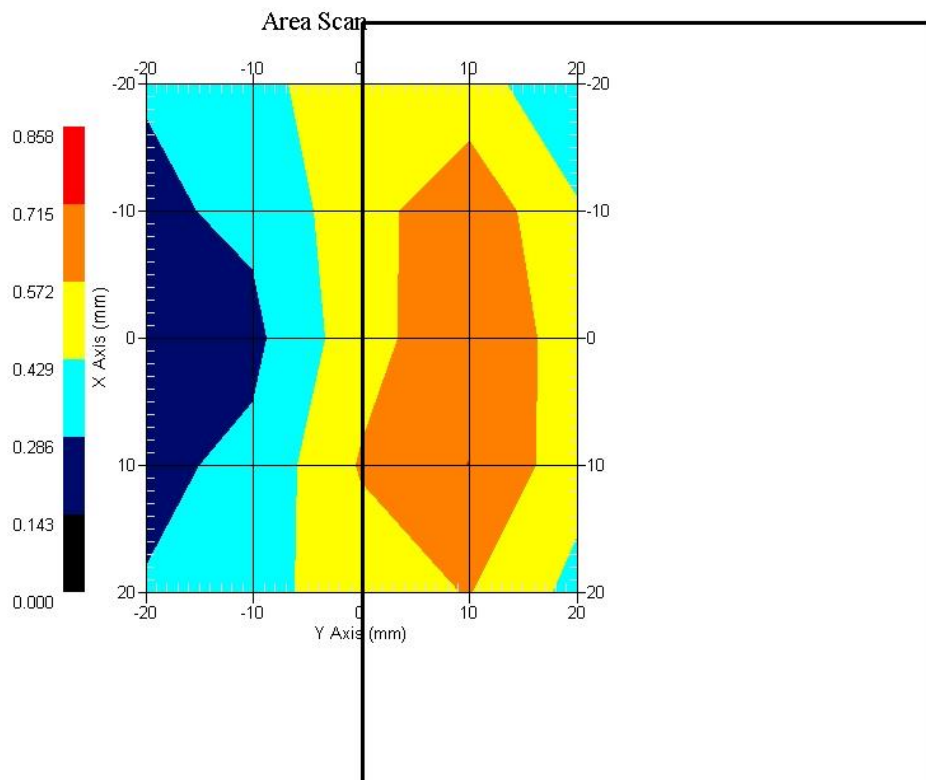
Name : RFEL 217  
Model : E020  
Type : E-Field Triangle  
Serial No. : 217  
Last Calib. Date : 30-May-2006  
Frequency : 1900.00 MHz  
Duty Cycle Factor: 1  
Conversion Factor: 4.85  
Probe Sensitivity: 1.20 1.20 1.20  $\mu\text{V}/(\text{V/m})^2$   
Compression Point: 95.00 mV  
Offset : 1.56 mm

**Measurement Data**

Crest Factor : 1  
 Scan Type : Complete  
 Tissue Temp. : 20.00 °C  
 Ambient Temp. : 23.00 °C  
 Set-up Date : 28-Oct-2006  
 Set-up Time : 9:22:59 AM  
 Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=4mm  
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

**Other Data**

DUT Position : Touch  
 Separation : 0  
 Channel : Mid



1 gram SAR value : 0.703 W/kg  
 10 gram SAR value : 0.431 W/kg  
 Area Scan Peak SAR : 0.717 W/kg  
 Zoom Scan Peak SAR : 1.181 W/kg



## SAR Test Report

By Operator : Jay  
Measurement Date : 28-Oct-2006  
Starting Time : 28-Oct-2006 11:15:25 AM  
End Time : 28-Oct-2006 11:36:34 AM  
Scanning Time : 1269 secs

### Product Data

Device Name : Vulcan Inc.  
Serial No. : Standard  
Type : Other  
Model : E-1001  
Frequency : 1900.00 MHz  
Max. Transmit Pwr : 0.339 W  
Drift Time : 0 min(s)  
Length : 150 mm  
Width : 110 mm  
Depth : 133 mm  
Antenna Type : Internal  
Orientation : Touch  
Power Drift-Start : 0.706 W/kg  
Power Drift-Finish: 0.702 W/kg  
Power Drift (%) : -0.631

### Phantom Data

Name : APREL-Uni  
Type : Uni-Phantom  
Size (mm) : 280 x 280 x 200  
Serial No. : System Default  
Location : Center  
Description : Uni-Phantom

### Tissue Data

Type : BODY  
Serial No. : 1900  
Frequency : 1900.00 MHz  
Last Calib. Date : 28-Oct-2006  
Temperature : 20.00 °C  
Ambient Temp. : 23.00 °C  
Humidity : 50.00 RH%  
Epsilon : 52.30 F/m  
Sigma : 1.53 S/m  
Density : 1000.00 kg/cu. m

### Probe Data

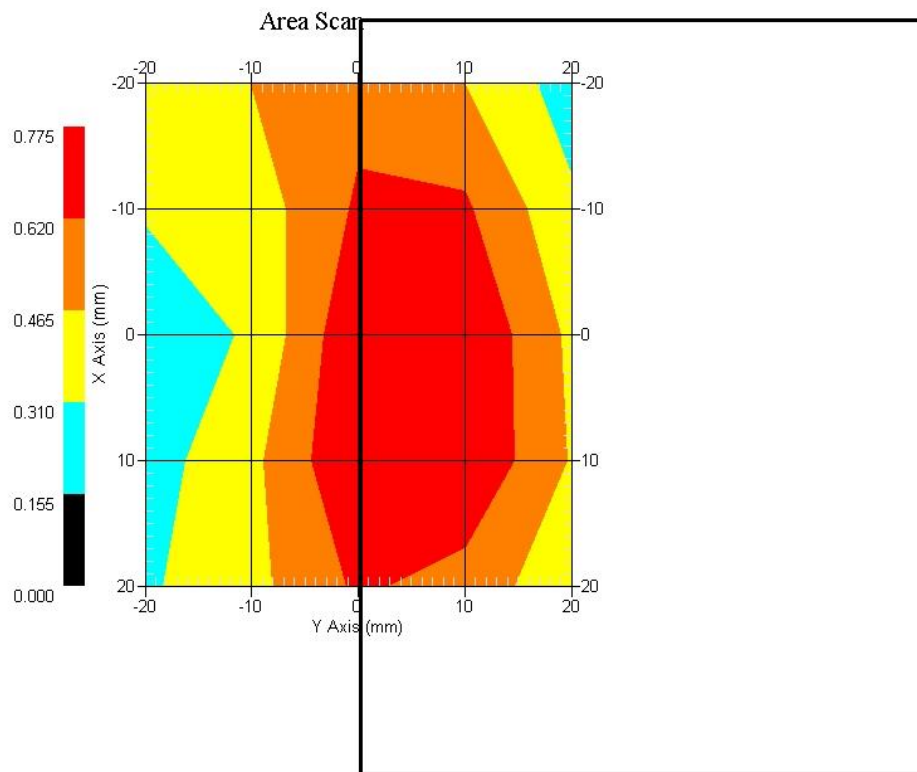
Name : RFEL 217  
Model : E020  
Type : E-Field Triangle  
Serial No. : 217  
Last Calib. Date : 30-May-2006  
Frequency : 1900.00 MHz  
Duty Cycle Factor: 1  
Conversion Factor: 4.85  
Probe Sensitivity: 1.20 1.20 1.20  $\mu\text{V}/(\text{V/m})^2$   
Compression Point: 95.00 mV  
Offset : 1.56 mm

**Measurement Data**

Crest Factor : 1  
 Scan Type : Complete  
 Tissue Temp. : 20.00 °C  
 Ambient Temp. : 23.00 °C  
 Set-up Date : 28-Oct-2006  
 Set-up Time : 9:22:59 AM  
 Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=4mm  
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

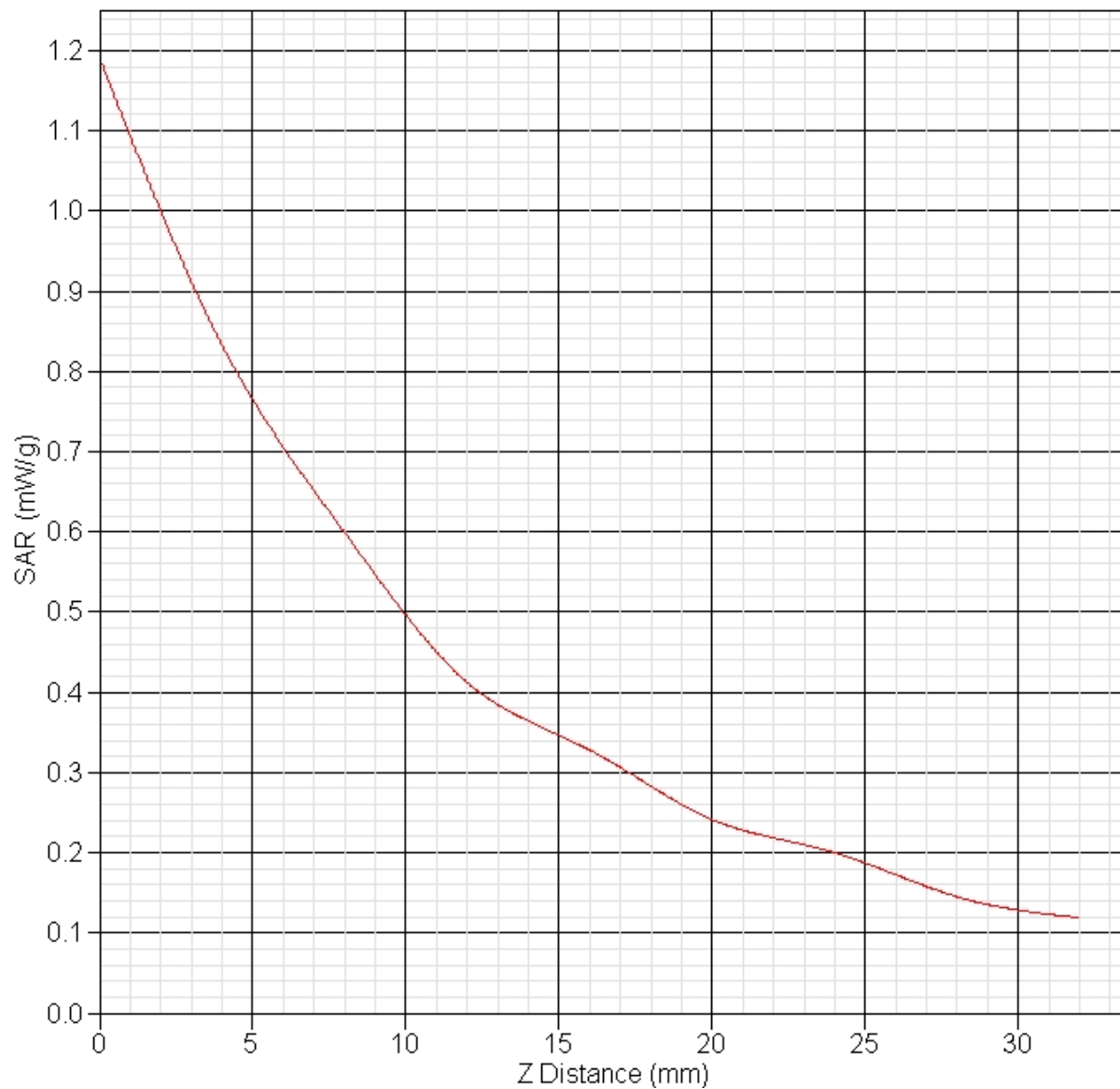
**Other Data**

DUT Position : Touch  
 Separation : 0  
 Channel : Mid



1 gram SAR value : 0.750 W/kg  
 10 gram SAR value : 0.435 W/kg  
 Area Scan Peak SAR : 0.773 W/kg  
 Zoom Scan Peak SAR : 1.191 W/kg

**SAR-Z Axis**  
at Hotspot x:2.22 y:7.86



## SAR Test Report

Operator : Jay  
Measurement Date : 28-Oct-2006  
Starting Time : 28-Oct-2006 01:22:06 PM  
End Time : 28-Oct-2006 01:40:04 PM  
Scanning Time : 1078 secs

### Product Data

Device Name : Vulcan Inc.  
Serial No. : Standard  
Type : Other  
Model : E-1001  
Frequency : 1900.00 MHz  
Max. Transmit Pwr : 0.339 W  
Drift Time : 0 min(s)  
Length : 150 mm  
Width : 110 mm  
Depth : 133 mm  
Antenna Type : Internal  
Orientation : Touch  
Power Drift-Start : 0.804 W/kg  
Power Drift-Finish: 0.776 W/kg  
Power Drift (%) : -3.483

### Phantom Data

Name : APREL-Uni  
Type : Uni-Phantom  
Size (mm) : 280 x 280 x 200  
Serial No. : System Default  
Location : Center  
Description : Uni-Phantom

### Tissue Data

Type : BODY  
Serial No. : 1900  
Frequency : 1900.00 MHz  
Last Calib. Date : 28-Oct-2006  
Temperature : 20.00 °C  
Ambient Temp. : 23.00 °C  
Humidity : 50.00 RH%  
Epsilon : 52.30 F/m  
Sigma : 1.53 S/m  
Density : 1000.00 kg/cu. m

### Probe Data

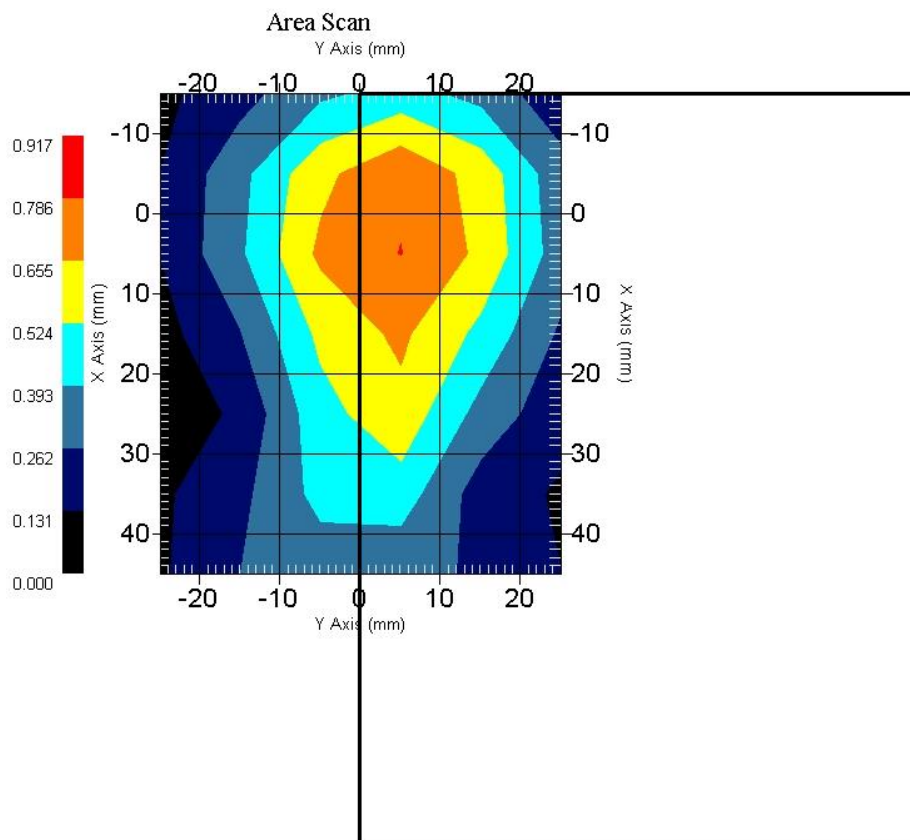
Name : RFEL 217  
Model : E020  
Type : E-Field Triangle  
Serial No. : 217  
Last Calib. Date : 30-May-2006  
Frequency : 1900.00 MHz  
Duty Cycle Factor: 1  
Conversion Factor: 4.85  
Probe Sensitivity: 1.20 1.20 1.20  $\mu\text{V}/(\text{V/m})^2$   
Compression Point: 95.00 mV  
Offset : 1.56 mm

**Measurement Data**

Crest Factor : 1  
 Scan Type : Complete  
 Tissue Temp. : 20.00 °C  
 Ambient Temp. : 23.00 °C  
 Set-up Date : 28-Oct-2006  
 Set-up Time : 9:22:59 AM  
 Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=4mm  
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

**Other Data**

DUT Position : Touch  
 Separation : 0  
 Channel : Mid



1 gram SAR value : 0.710 W/kg  
 10 gram SAR value : 0.432 W/kg  
 Area Scan Peak SAR : 0.789 W/kg  
 Zoom Scan Peak SAR : 1.070 W/kg

## SAR Test Report

Operator : Jay  
Measurement Date : 28-Oct-2006  
Starting Time : 28-Oct-2006 02:09:12 PM  
End Time : 28-Oct-2006 02:26:52 PM  
Scanning Time : 1060 secs

### Product Data

Device Name : Vulcan Inc.  
Serial No. : Standard  
Type : Other  
Model : E-1001  
Frequency : 1900.00 MHz  
Max. Transmit Pwr : 0.339 W  
Drift Time : 0 min(s)  
Length : 150 mm  
Width : 110 mm  
Depth : 133 mm  
Antenna Type : Internal  
Orientation : Touch  
Power Drift-Start : 0.832 W/kg  
Power Drift-Finish: 0.797 W/kg  
Power Drift (%) : -4.207

### Phantom Data

Name : APREL-Uni  
Type : Uni-Phantom  
Size (mm) : 280 x 280 x 200  
Serial No. : System Default  
Location : Center  
Description : Uni-Phantom

### Tissue Data

Type : BODY  
Serial No. : 1900  
Frequency : 1900.00 MHz  
Last Calib. Date : 28-Oct-2006  
Temperature : 20.00 °C  
Ambient Temp. : 23.00 °C  
Humidity : 50.00 RH%  
Epsilon : 52.30 F/m  
Sigma : 1.53 S/m  
Density : 1000.00 kg/cu. m

### Probe Data

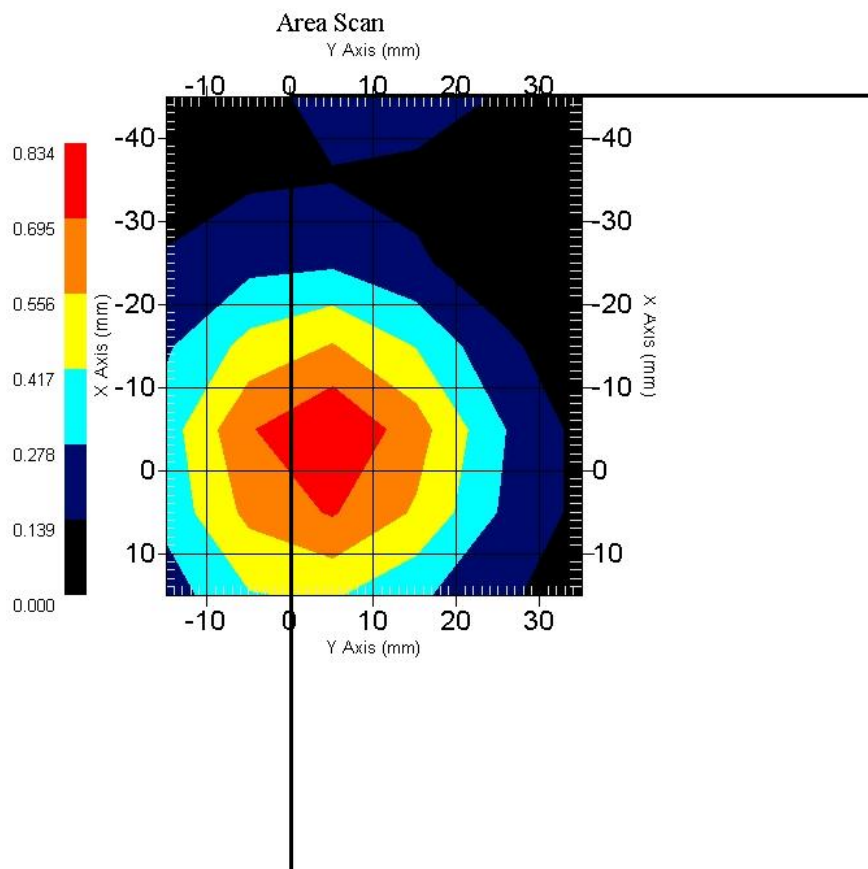
Name : RFEL 217  
Model : E020  
Type : E-Field Triangle  
Serial No. : 217  
Last Calib. Date : 30-May-2006  
Frequency : 1900.00 MHz  
Duty Cycle Factor: 1  
Conversion Factor: 4.85  
Probe Sensitivity: 1.20 1.20 1.20  $\mu\text{V}/(\text{V/m})^2$   
Compression Point: 95.00 mV  
Offset : 1.56 mm

**Measurement Data**

Crest Factor : 1  
 Scan Type : Complete  
 Tissue Temp. : 20.00 °C  
 Ambient Temp. : 23.00 °C  
 Set-up Date : 28-Oct-2006  
 Set-up Time : 9:22:59 AM  
 Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=4mm  
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

**Other Data**

DUT Position : Touch  
 Separation : 0  
 Channel : Mid



1 gram SAR value : 0.693 W/kg  
 10 gram SAR value : 0.406 W/kg  
 Area Scan Peak SAR : 0.833 W/kg  
 Zoom Scan Peak SAR : 1.111 W/kg

## SAR Test Report

Operator : Jay  
Measurement Date : 28-Oct-2006  
Starting Time : 28-Oct-2006 03:15:03 PM  
End Time : 28-Oct-2006 03:32:43 PM  
Scanning Time : 1060 secs

### Product Data

Device Name : Vulcan Inc.  
Serial No. : Standard  
Type : Other  
Model : E-1001  
Frequency : 1900.00 MHz  
Max. Transmit Pwr : 0.339 W  
Drift Time : 0 min(s)  
Length : 150 mm  
Width : 110 mm  
Depth : 133 mm  
Antenna Type : Internal  
Orientation : Touch  
Power Drift-Start : 0.888 W/kg  
Power Drift-Finish: 0.857 W/kg  
Power Drift (%) : -3.491

### Phantom Data

Name : APREL-Uni  
Type : Uni-Phantom  
Size (mm) : 280 x 280 x 200  
Serial No. : System Default  
Location : Center  
Description : Uni-Phantom

### Tissue Data

Type : BODY  
Serial No. : 1900  
Frequency : 1900.00 MHz  
Last Calib. Date : 28-Oct-2006  
Temperature : 20.00 °C  
Ambient Temp. : 23.00 °C  
Humidity : 50.00 RH%  
Epsilon : 52.30 F/m  
Sigma : 1.53 S/m  
Density : 1000.00 kg/cu. m

### Probe Data

Name : RFEL 217  
Model : E020  
Type : E-Field Triangle  
Serial No. : 217  
Last Calib. Date : 30-May-2006  
Frequency : 1900.00 MHz  
Duty Cycle Factor: 1  
Conversion Factor: 4.85  
Probe Sensitivity: 1.20 1.20 1.20  $\mu\text{V}/(\text{V/m})^2$   
Compression Point: 95.00 mV  
Offset : 1.56 mm

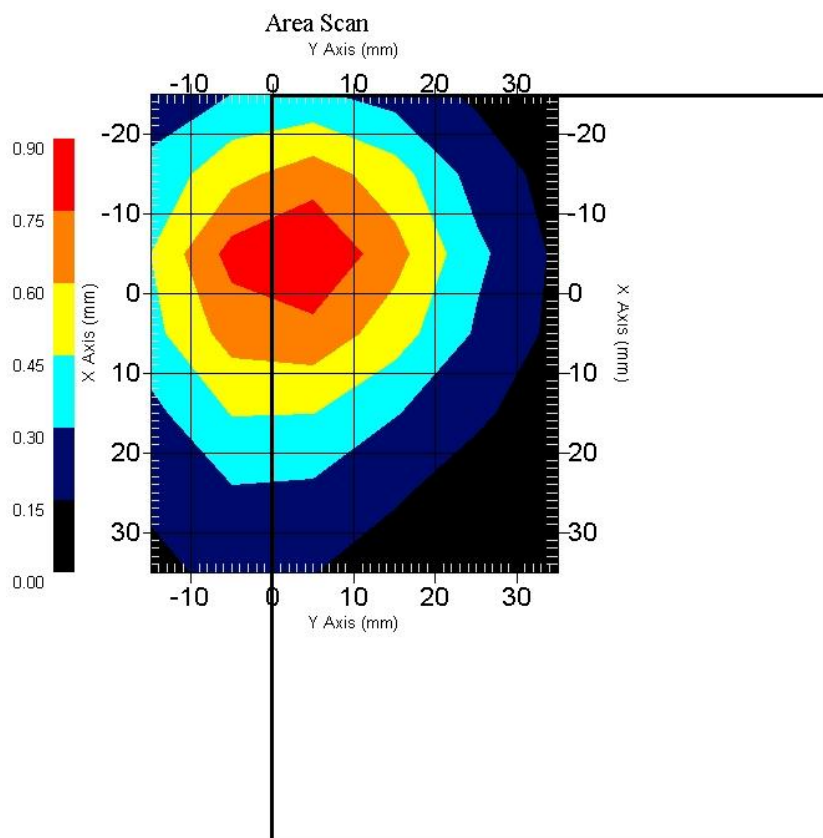


**Measurement Data**

Crest Factor : 1  
 Scan Type : Complete  
 Tissue Temp. : 20.00 °C  
 Ambient Temp. : 23.00 °C  
 Set-up Date : 28-Oct-2006  
 Set-up Time : 9:22:59 AM  
 Area Scan : 5x5x1 : Measurement x=10mm, y=10mm, z=4mm  
 Zoom Scan : 5x5x8 : Measurement x=8mm, y=8mm, z=4mm

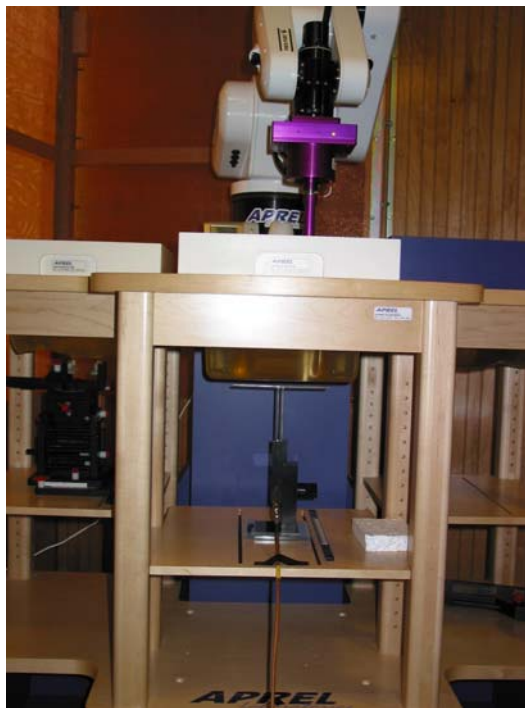
**Other Data**

DUT Position : Touch  
 Separation : 0  
 Channel : High

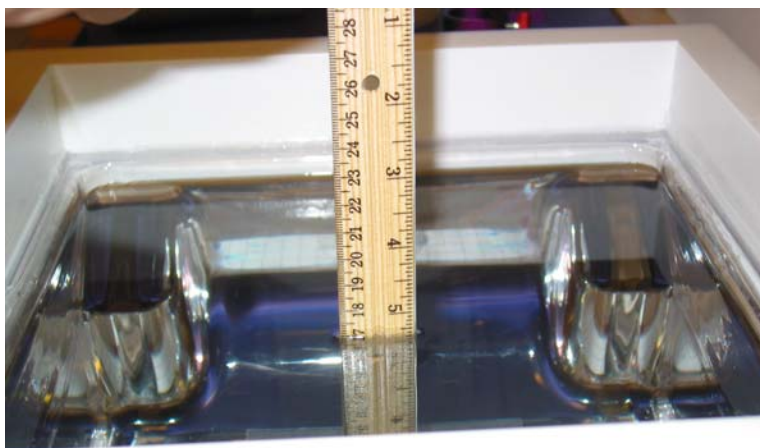


1 gram SAR value : 0.743 W/kg  
 10 gram SAR value : 0.434 W/kg  
 Area Scan Peak SAR : 0.898 W/kg  
 Zoom Scan Peak SAR : 1.191 W/kg

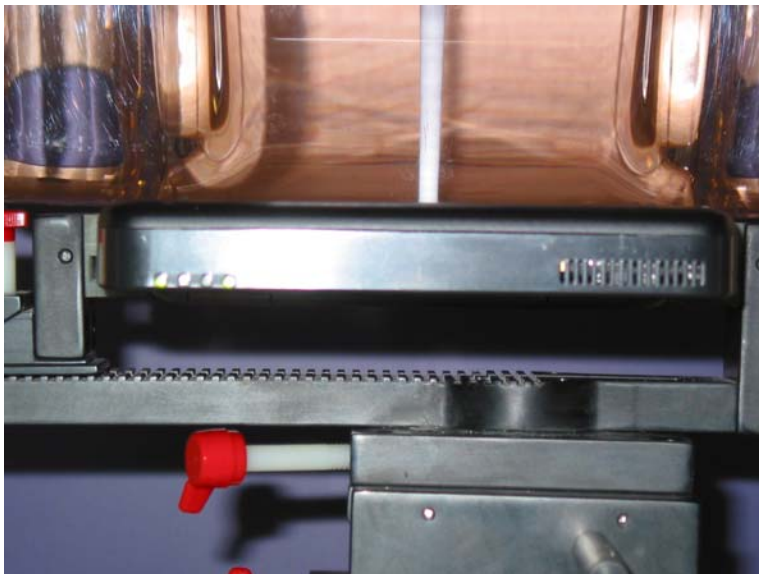
## Appendix C – SAR Test Setup Photos



**System Body Configuration**



**Body Tissue Depth**



**Front Standard Battery WWAN Testing Front View**



**Front Standard Battery WWAN Testing Near View**



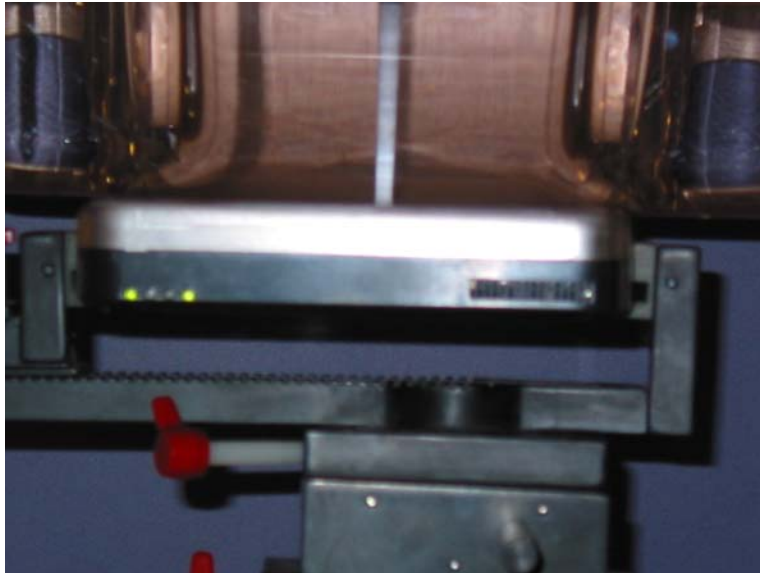
**Side of LCD Near Phantom With Standard Battery WWAN Testing**



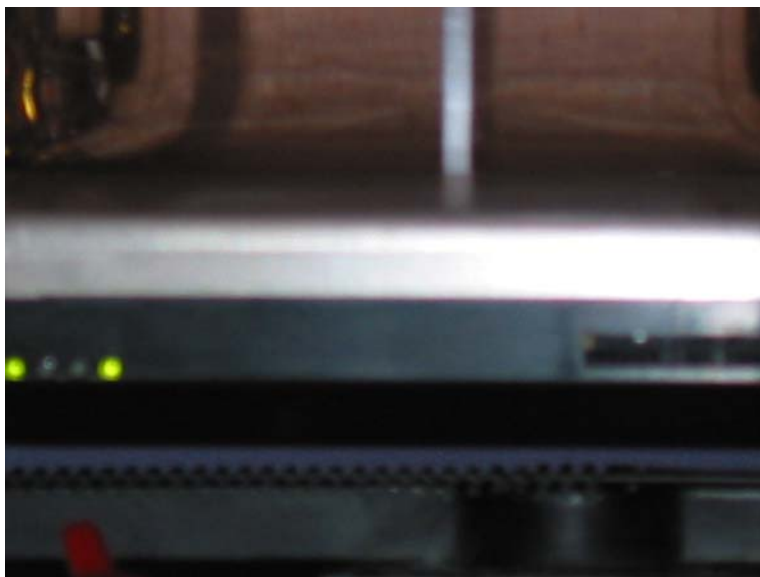
**Side of LCD Measurement from Phantom With Standard Battery WWAN Testing**



**Measurement of LCD from Surface in 180 Deg. With Standard Battery**



**Front Extended Battery Front WWAN Testing View**



**Front Extended Battery Near WWAN Testing View**



**Side of LCD Near Phantom With Extended Battery WWAN Testing**

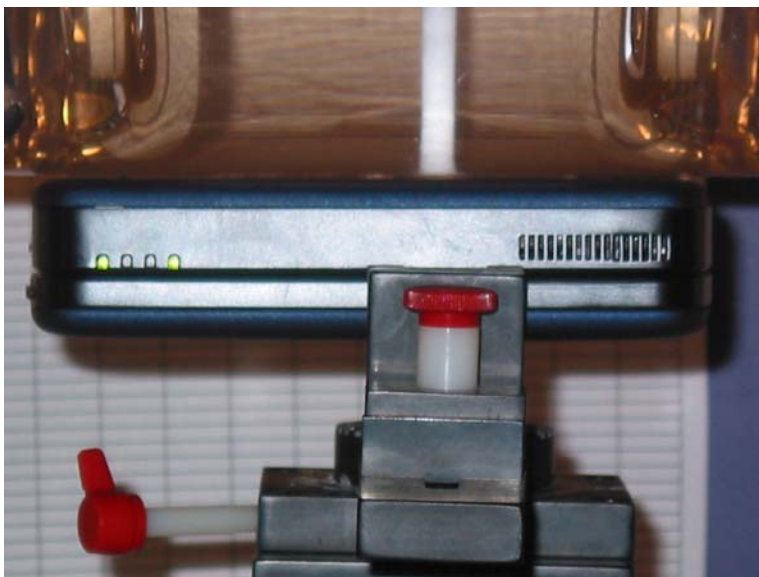




**Side of LCD Measurement from Phantom With Extended Battery WWAN Testing**



**Measurement of LCD from Surface in 180 Deg. With Extended Battery**

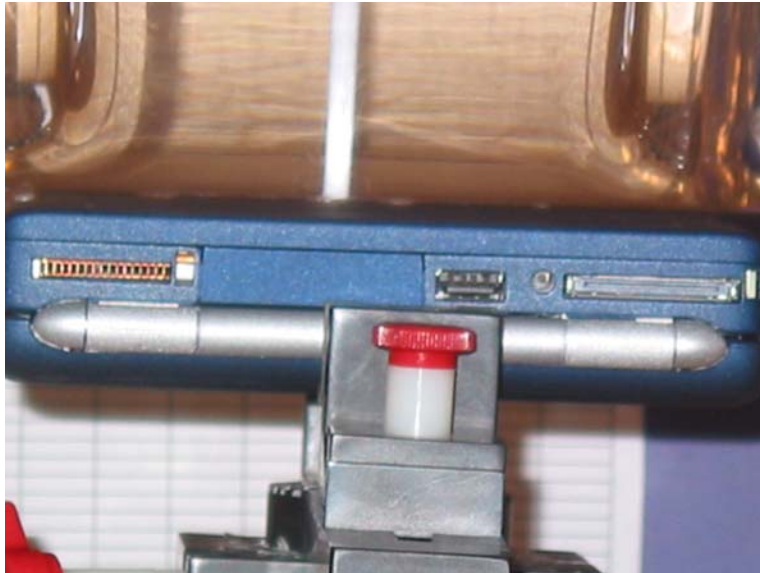


**Front Standard Battery Main Antenna WLAN View**



**Side Standard Battery Main Antenna WLAN View**

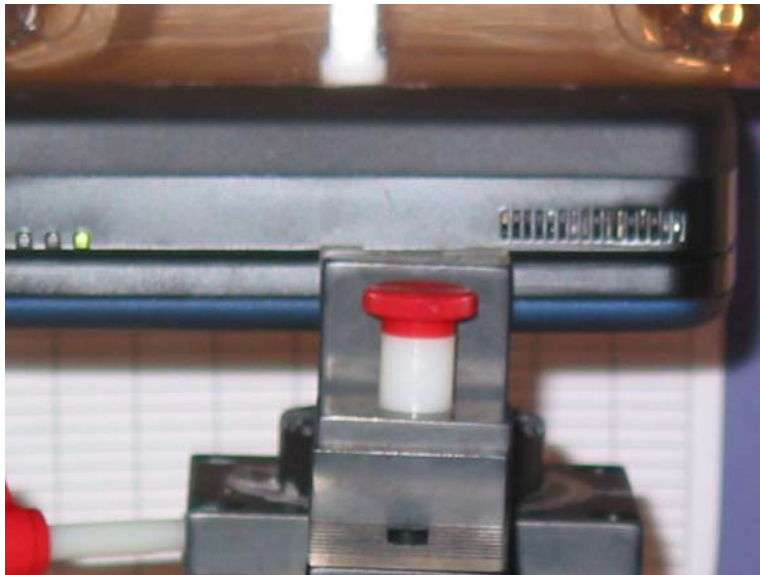




**Front Standard Battery Aux Antenna WLAN View**



**Side Standard Battery Aux Antenna WLAN View**



**Front Extended Battery Main Antenna WLAN View**



**Side Extended Battery Main Antenna WLAN View**



**Front Extended Battery Aux Antenna WLAN View**



**Side Extended Battery Aux Antenna WLAN View**