| MEASUREMENT 1 |
|---|

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2016.03.26
Measurement duration: 9 minutes 13 second

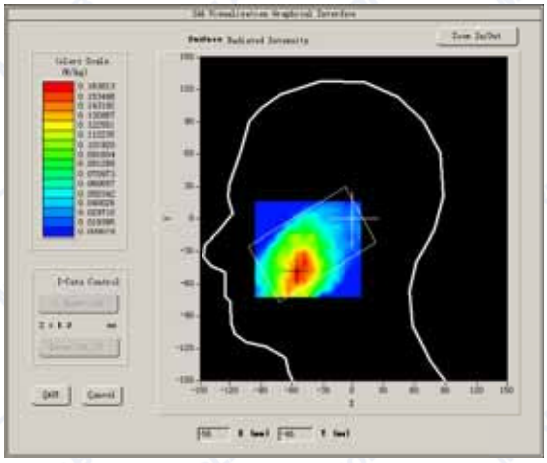
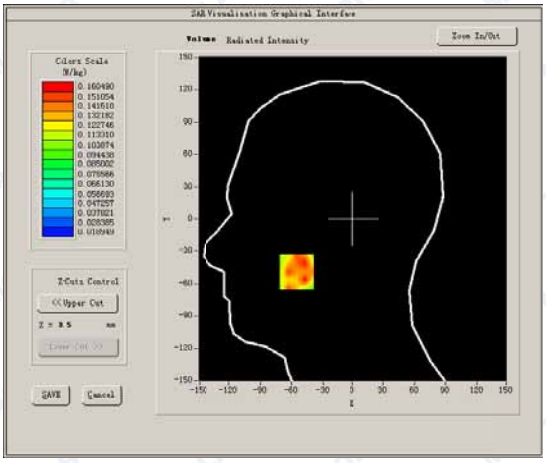
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Right head |
| **Device Position** | Cheek |
| **Band** | GSM850 |
| **Channels** | Middle |
| **Signal** | GSM |

## B. SAR Measurement Results

Middle Band SAR (Channel 190):

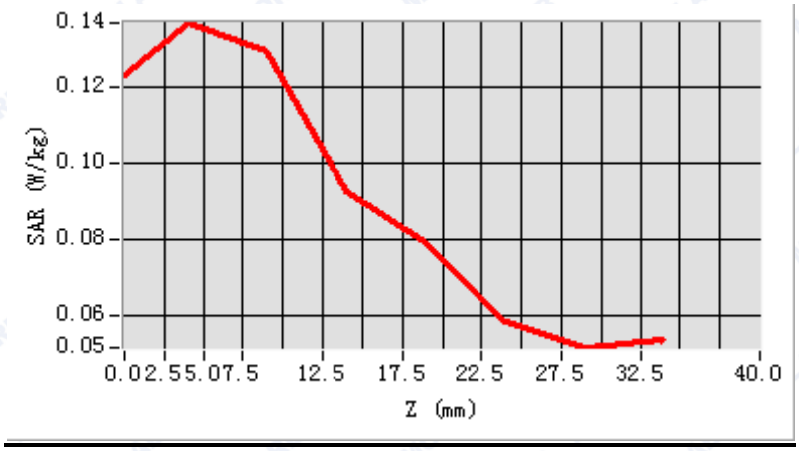
| | |
|---|---|
| **Frequency (MHz)** | 836.400024 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.270000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:8 |

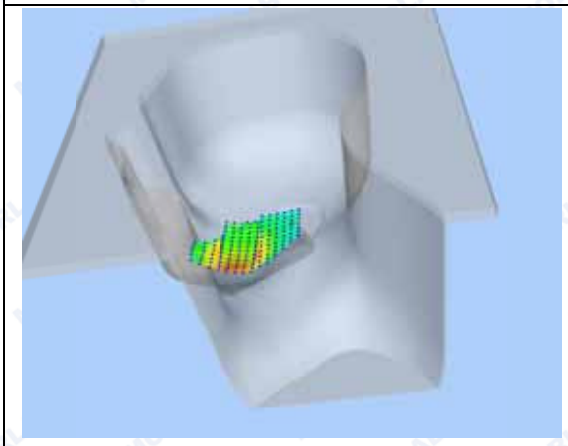
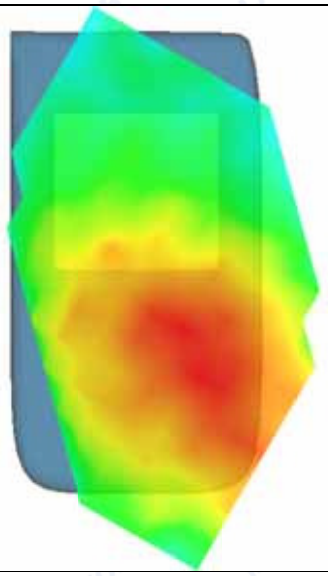
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-55.00, Y=-49.00**
**SAR Peak: 0.22 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.109813 |
| **SAR 1g (W/Kg)** | 0.151272 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 2 |
|---|

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2016.03.26
Measurement duration: 8 minutes 28 seconds

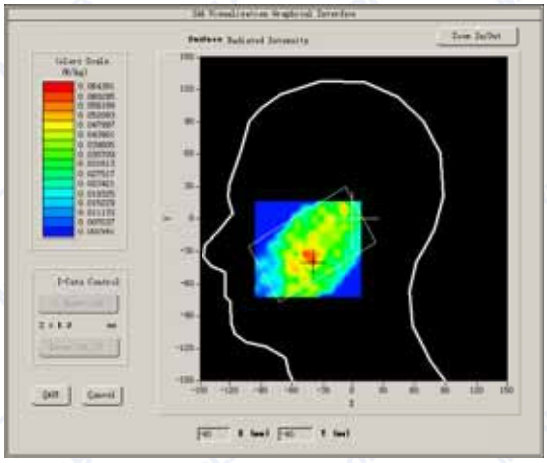
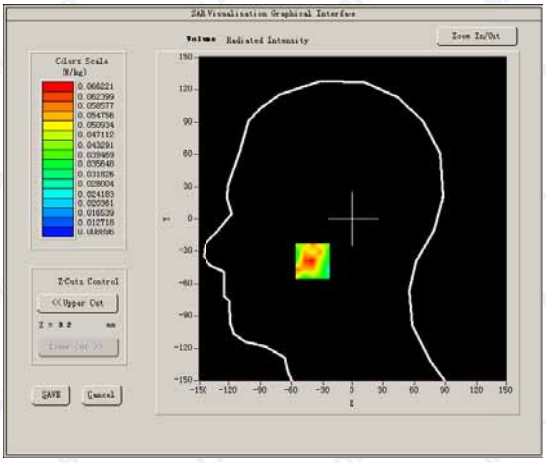
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Right head |
| **Device Position** | Tilt |
| **Band** | GSM850 |
| **Channels** | Middle |
| **Signal** | GSM |

## B. SAR Measurement Results

Middle Band SAR (Channel 190):

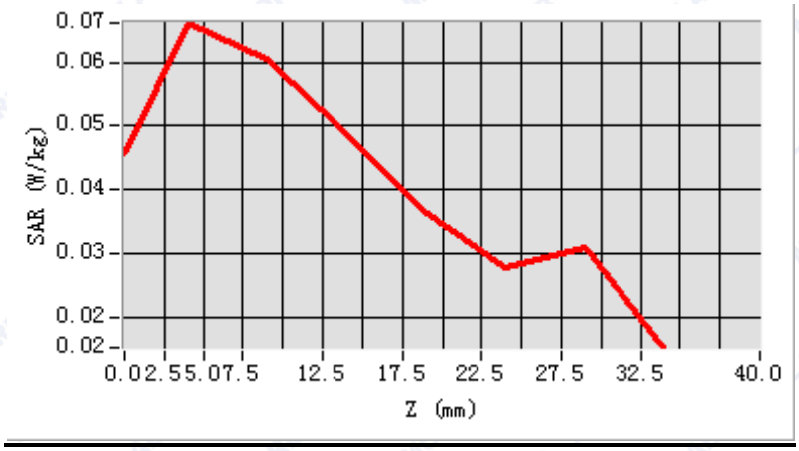
| | |
|---|---|
| **Frequency (MHz)** | 836.400024 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift(%)** | 3.100000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:8 |

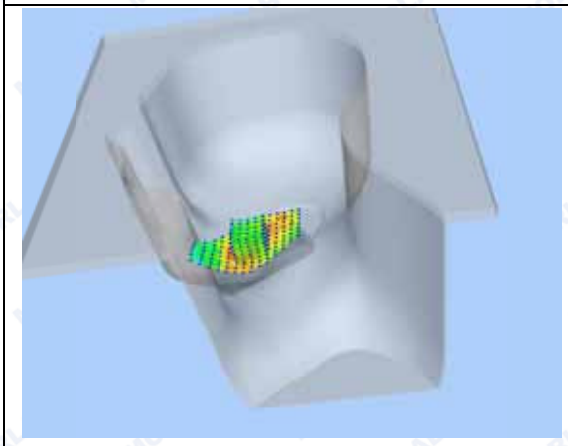
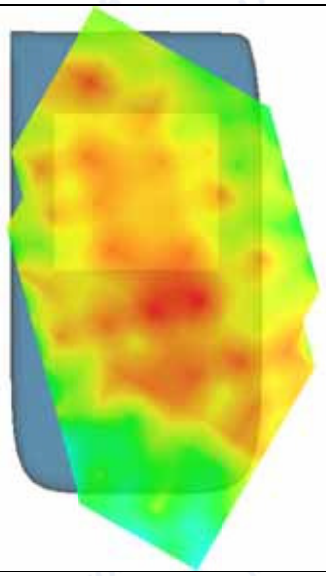
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-40.00, Y=-39.00**
**SAR Peak: 0.13 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.046525 |
| **SAR 1g (W/Kg)** | 0.071839 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 3 |
|---|

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2016.03.26
Measurement duration: 8 minutes 39 seconds

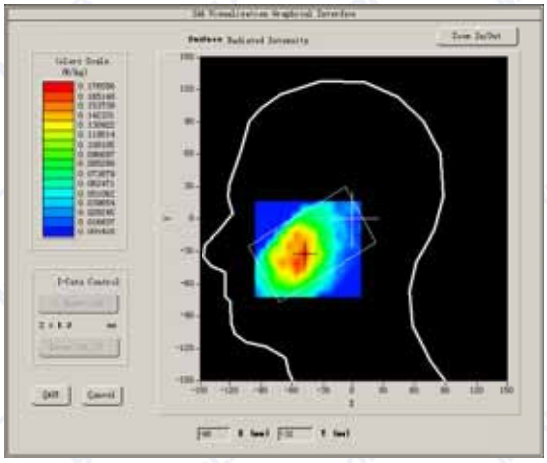
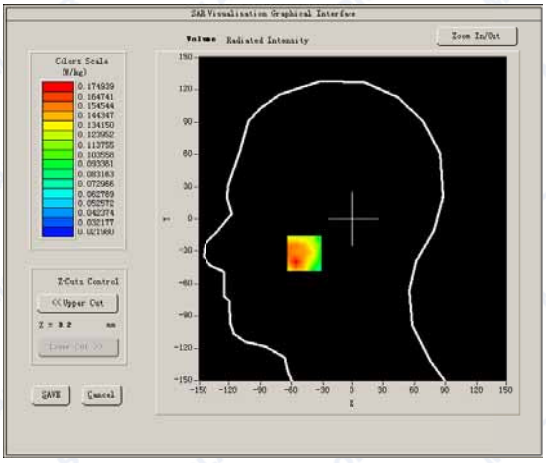
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Left head |
| **Device Position** | Cheek |
| **Band** | GSM850 |
| **Channels** | Middle |
| **Signal** | GSM |

## B. SAR Measurement Results

Middle Band SAR (Channel 190):

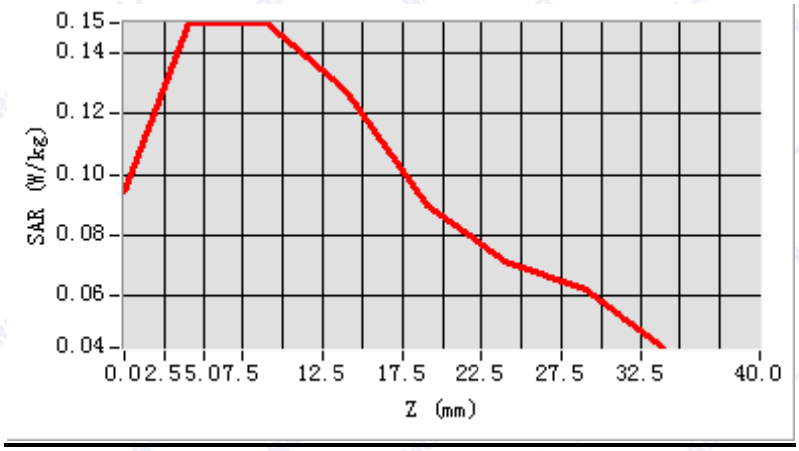
| | |
|---|---|
| **Frequency (MHz)** | 836.400024 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 2.550000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:8 |

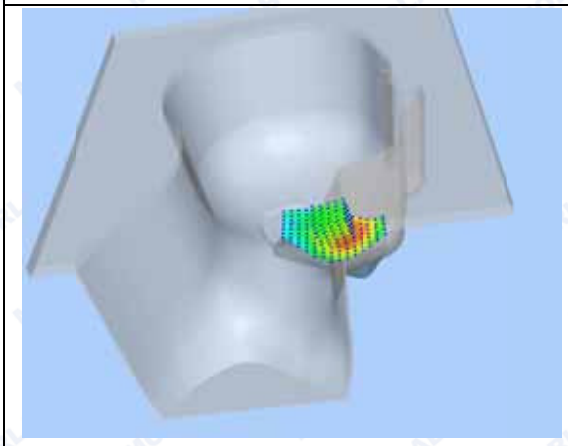
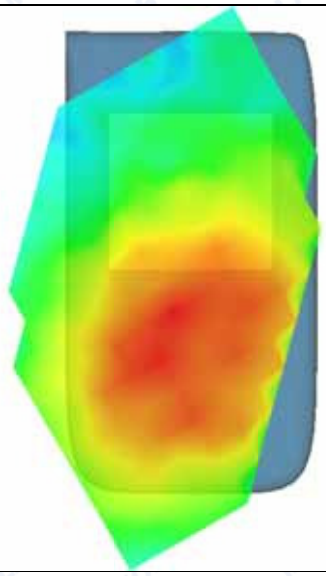
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-48.00, Y=-32.00**
**SAR Peak: 0.21 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.121833 |
| **SAR 1g (W/Kg)** | 0.158492 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 4 |
|---|

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2016.03.26
Measurement duration: 8 minutes 23 seconds

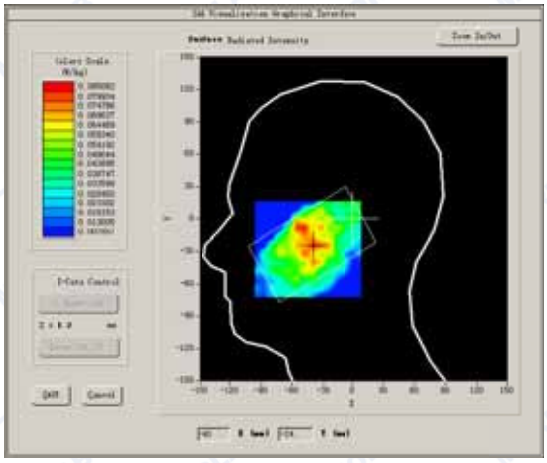
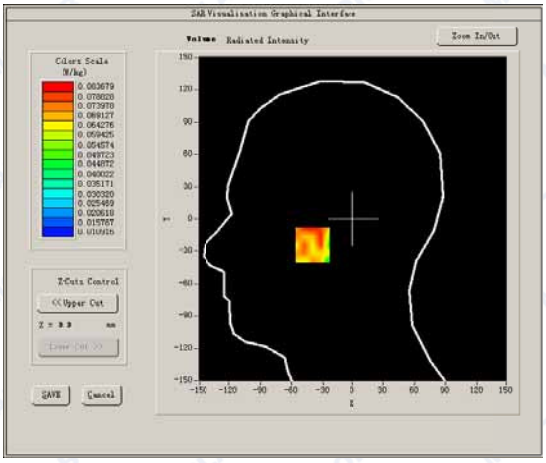
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Left head |
| **Device Position** | Tilt |
| **Band** | GSM850 |
| **Channels** | Middle |
| **Signal** | GSM |

## B. SAR Measurement Results

Middle Band SAR (Channel 190):

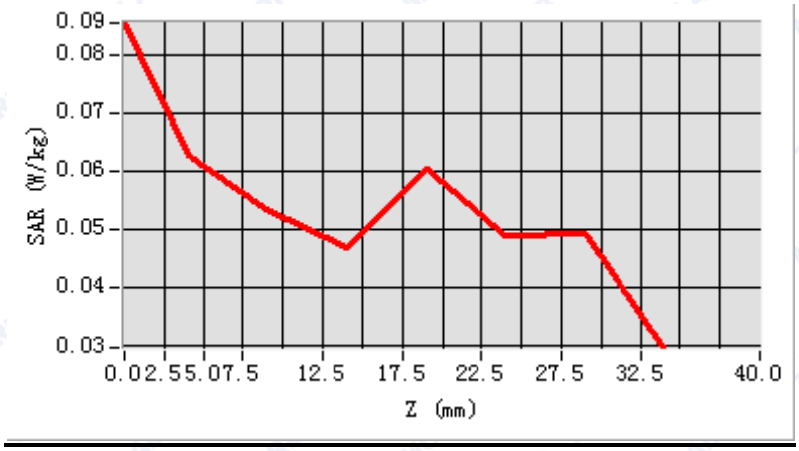
| | |
|---|---|
| **Frequency (MHz)** | 836.400024 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift(%)** | -2.170000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:8 |

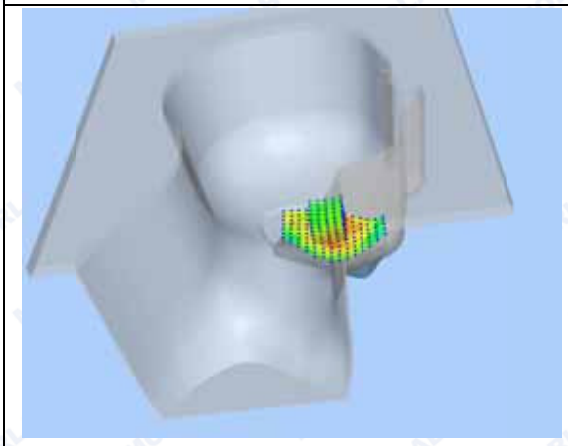
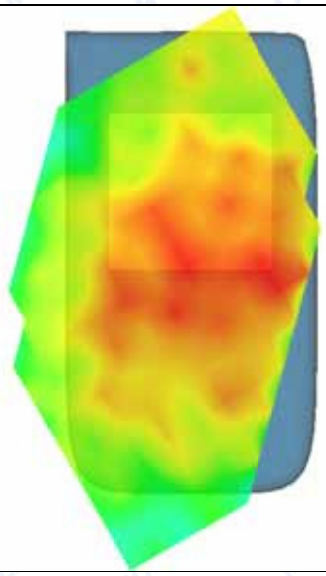
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-39.00, Y=-24.00**
**SAR Peak: 0.13 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.061533 |
| **SAR 1g (W/Kg)** | 0.083200 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 5 |
|---|

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2016.03.26
Measurement duration: 9 minutes 37 seconds

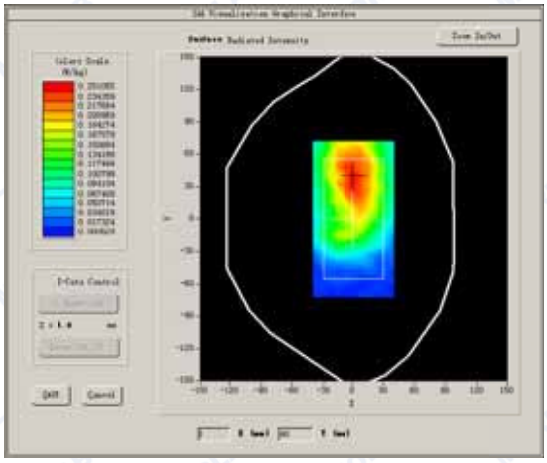
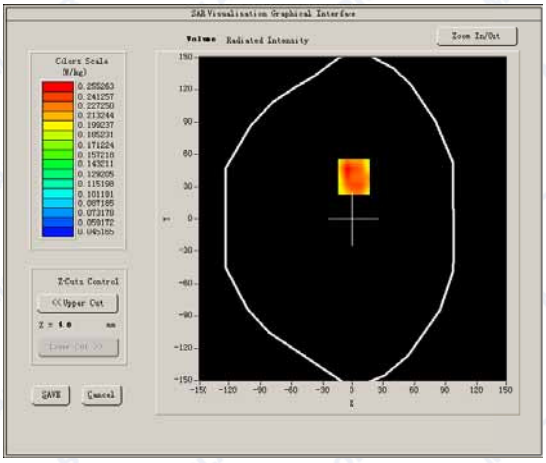
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | GSM850 |
| **Channels** | Middle |
| **Signal** | GSM |

## B. SAR Measurement Results

Middle Band SAR (Channel 190):

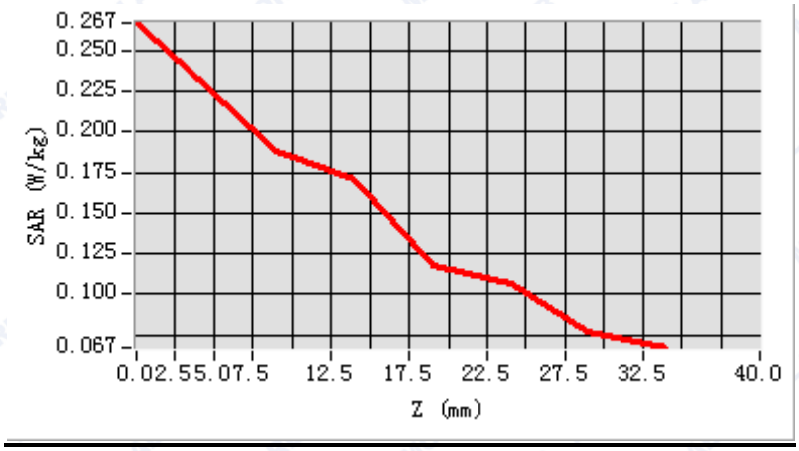
| | |
|---|---|
| **Frequency (MHz)** | 836.400024 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift(%)** | -2.170000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:8 |

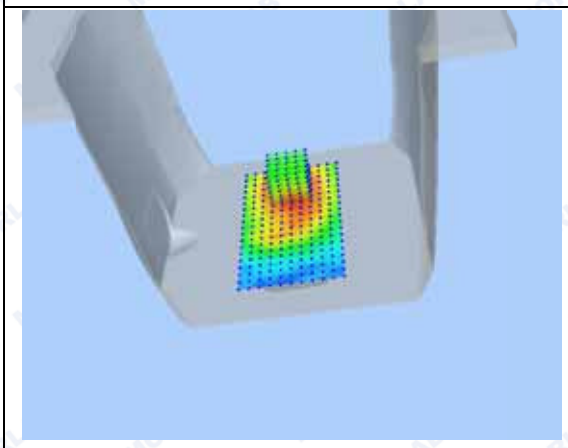
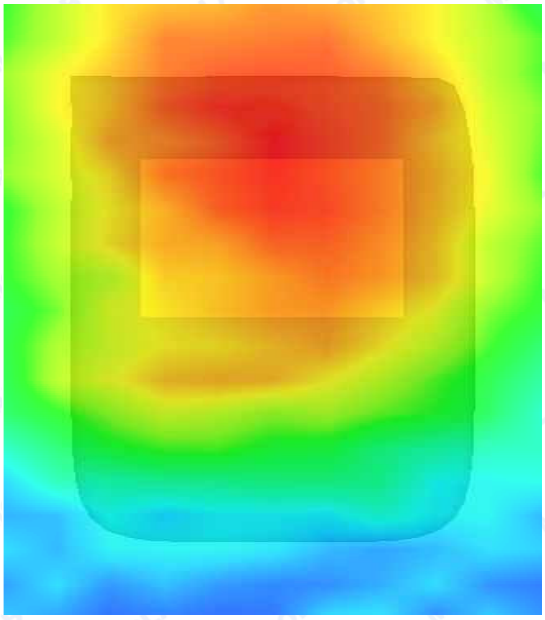
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=1.00, Y=39.00**
**SAR Peak: 0.39 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.197315 |
| **SAR 1g (W/Kg)** | 0.268329 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 6 |
|---|

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2016.03.26
Measurement duration: 9 minutes 33 seconds

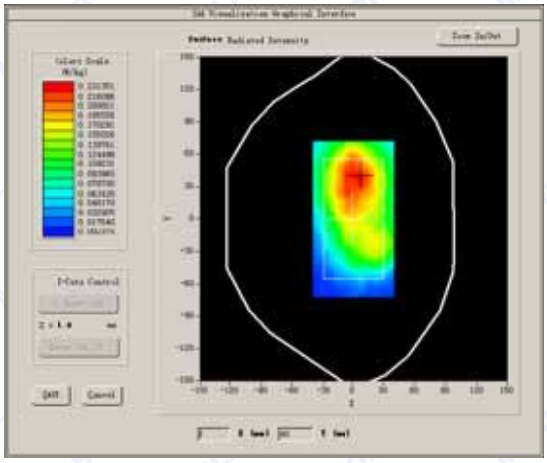
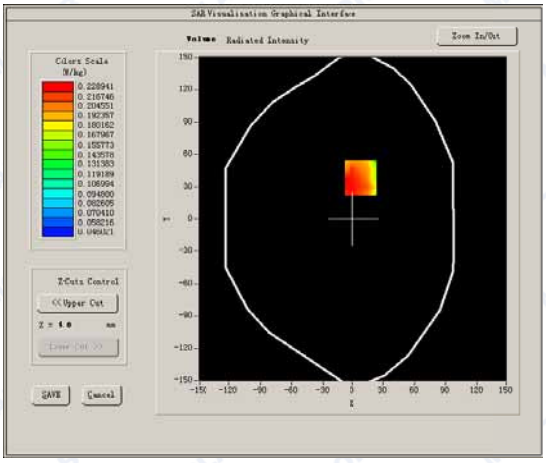
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | GSM850 |
| **Channels** | Middle |
| **Signal** | GSM |

## B. SAR Measurement Results

Middle Band SAR (Channel 190):

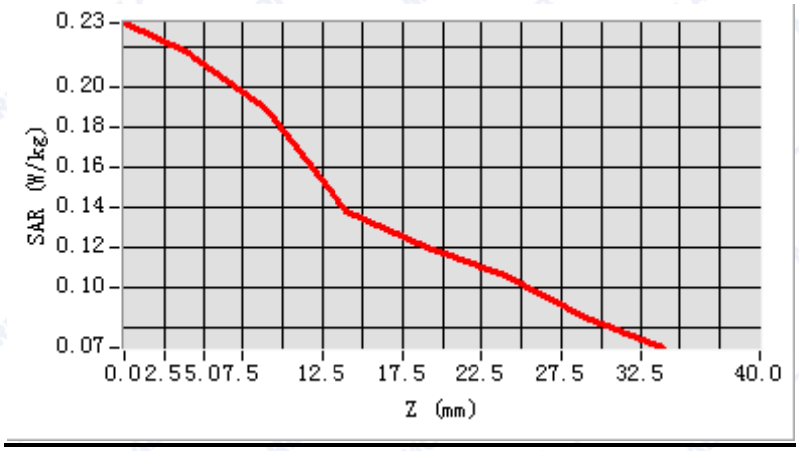
| | |
|---|---|
| **Frequency (MHz)** | 836.400024 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift(%)** | -2.170000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:8 |

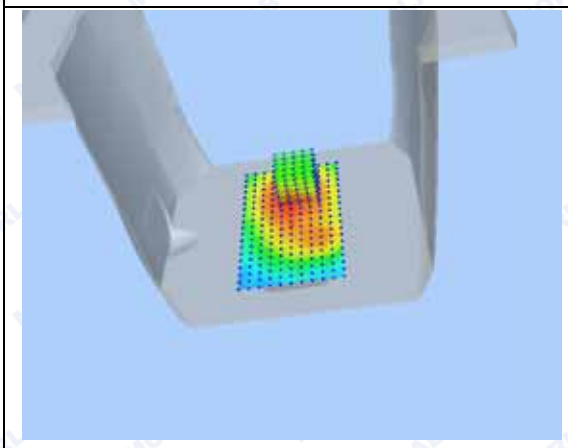
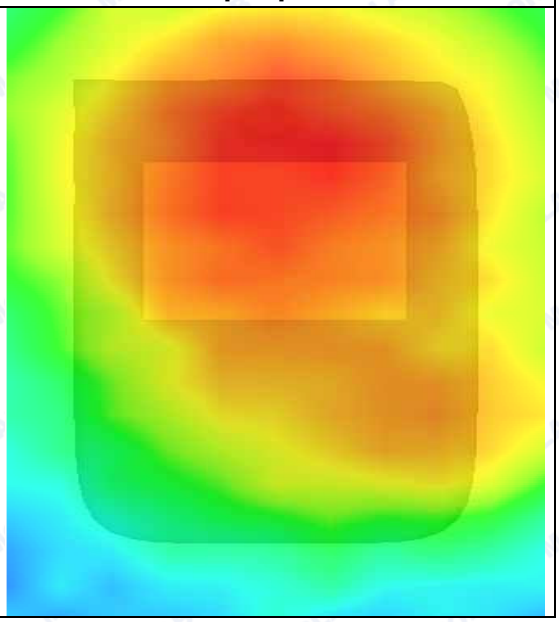
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=7.00, Y=38.00**
**SAR Peak: 0.35 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.187835 |
| **SAR 1g (W/Kg)** | 0.239390 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 7 |
|---|

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2016.03.26
Measurement duration: 9 minutes 33 seconds

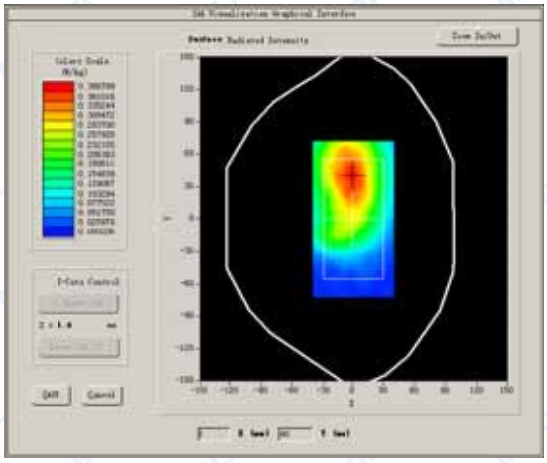
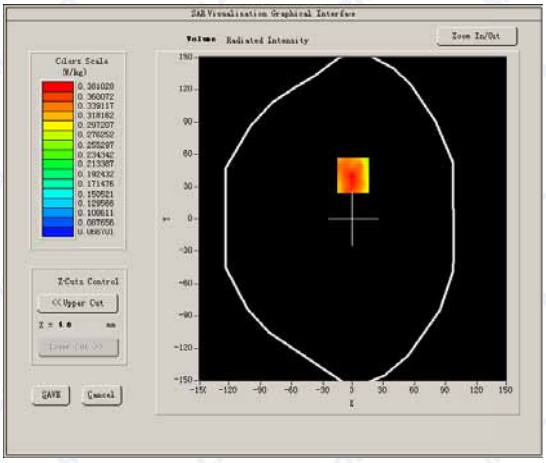
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | GSM850 |
| **Channels** | Middle |
| **Signal** | GPRS |

## B. SAR Measurement Results

Middle Band SAR (Channel 190):

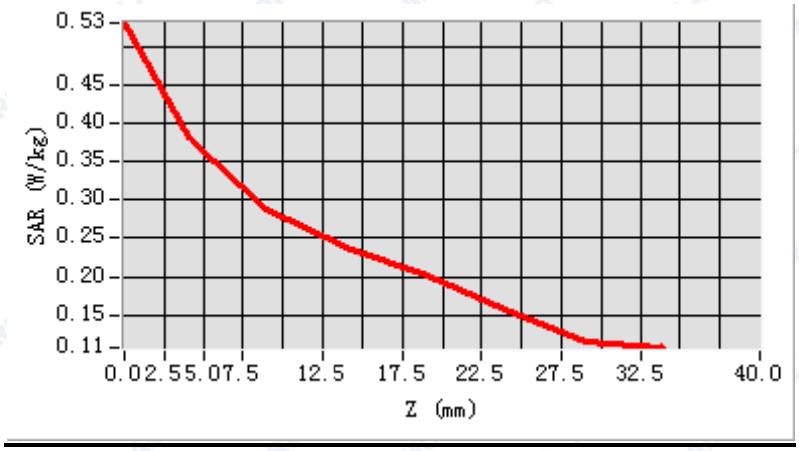
| | |
|---|---|
| **Frequency (MHz)** | 836.400024 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift(%)** | -2.170000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:8 |

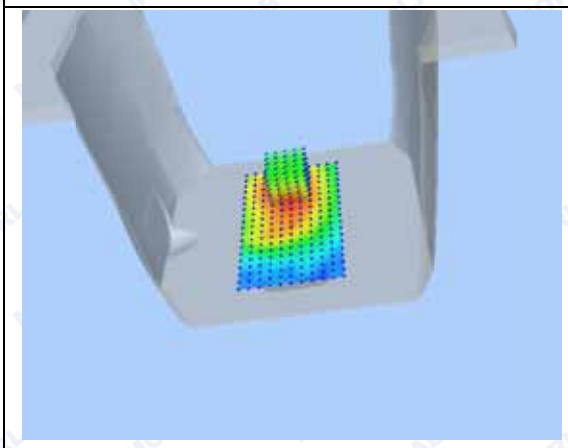
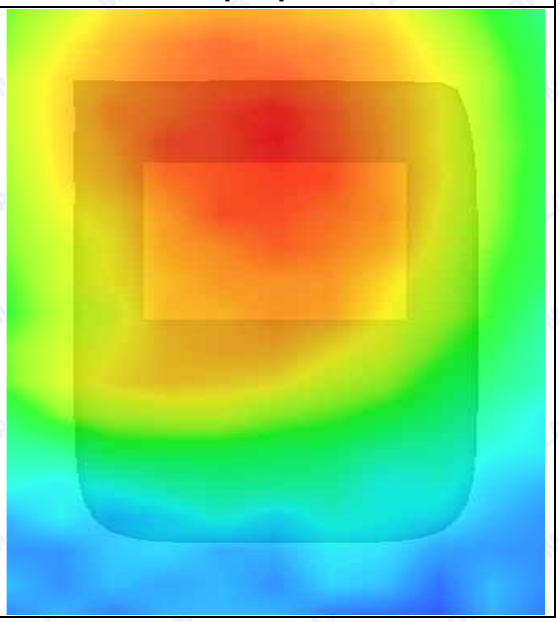
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=0.00, Y=41.00**
**SAR Peak: 0.52 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.278785 |
| **SAR 1g (W/Kg)** | 0.382775 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 8 |
|---|

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2016.03.26
Measurement duration: 9 minutes 34 seconds

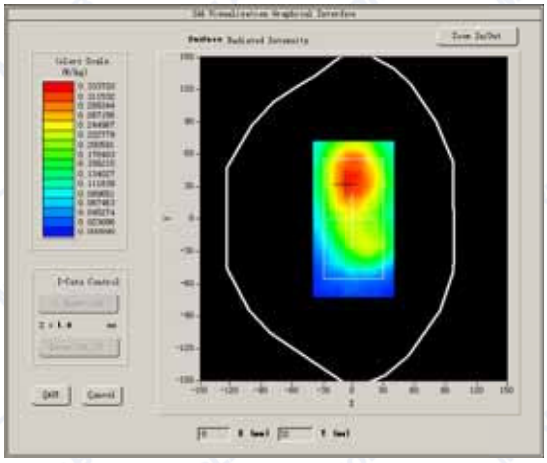
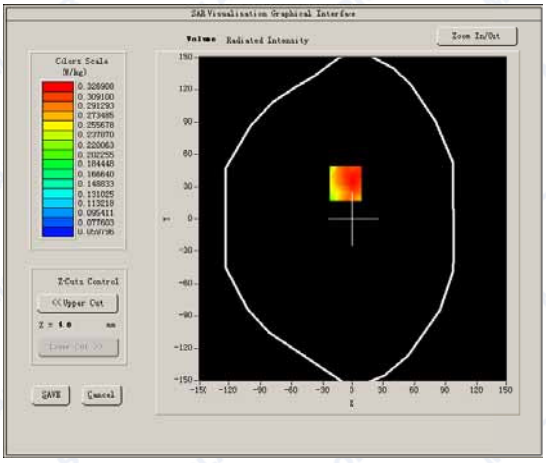
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | GSM850 |
| **Channels** | Middle |
| **Signal** | GPRS |

## B. SAR Measurement Results

Middle Band SAR (Channel 190):

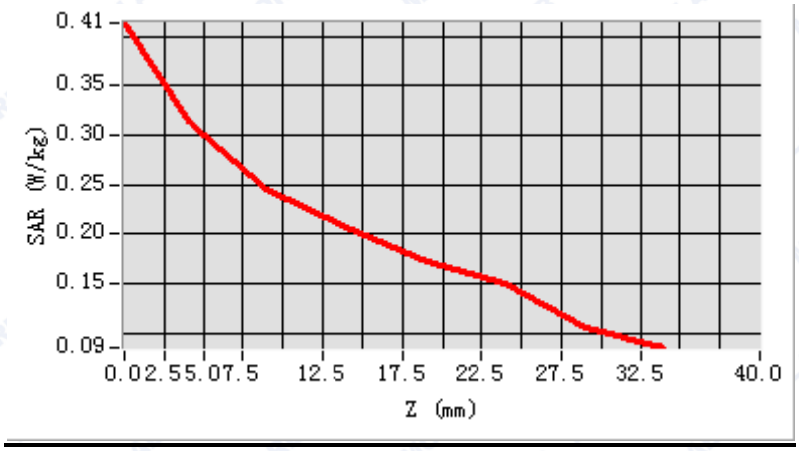
| | |
|---|---|
| **Frequency (MHz)** | 836.400024 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift(%)** | -2.170000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:8 |

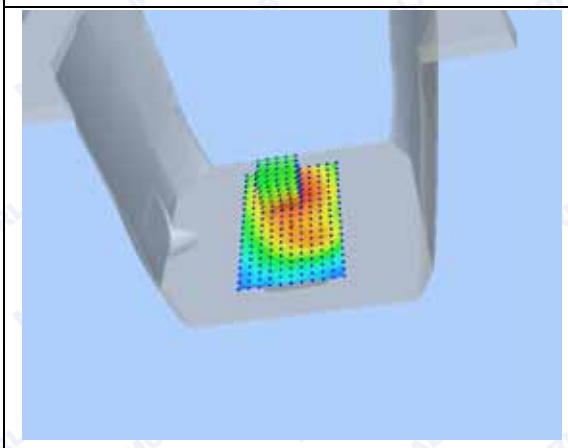
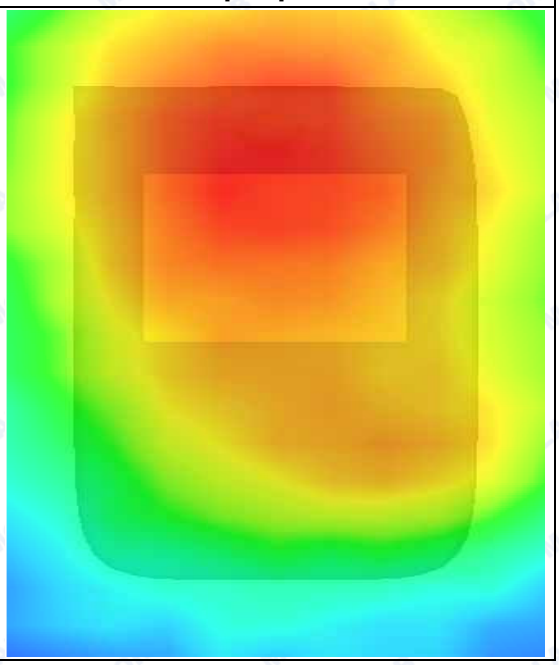
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-7.00, Y=33.00**
**SAR Peak: 0.41 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.245801 |
| **SAR 1g (W/Kg)** | 0.321503 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 9 |
|---|

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2016.03.26
Measurement duration: 9 minutes 36 seconds

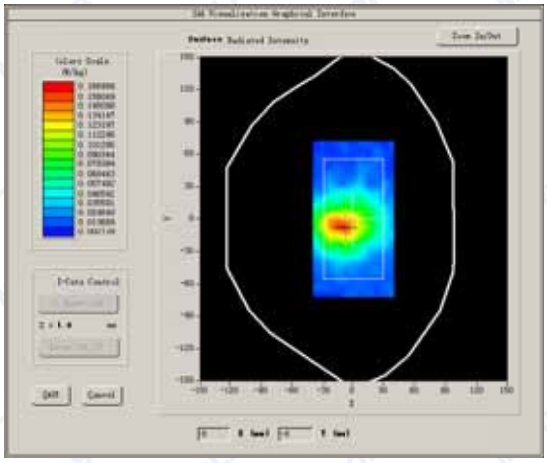
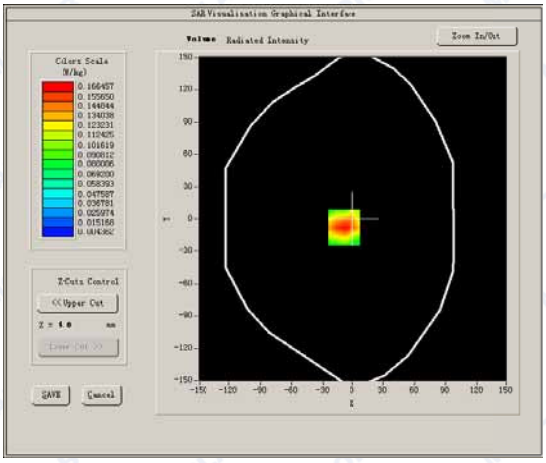
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | GSM850 |
| **Channels** | Middle |
| **Signal** | GPRS |

## B. SAR Measurement Results

Middle Band SAR (Channel 190):

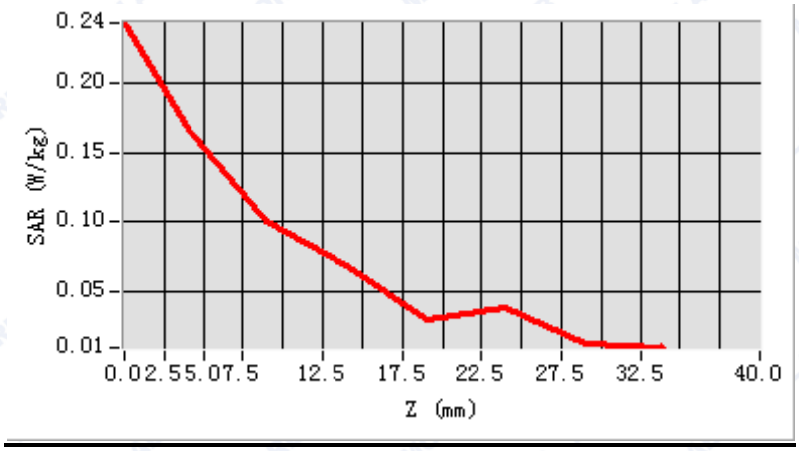
| | |
|---|---|
| **Frequency (MHz)** | 836.400024 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift(%)** | -2.170000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:8 |

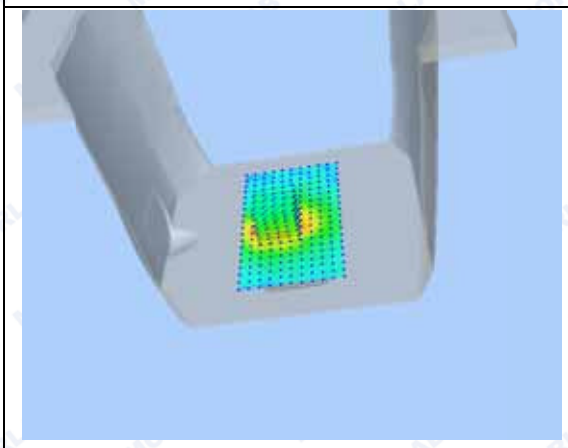
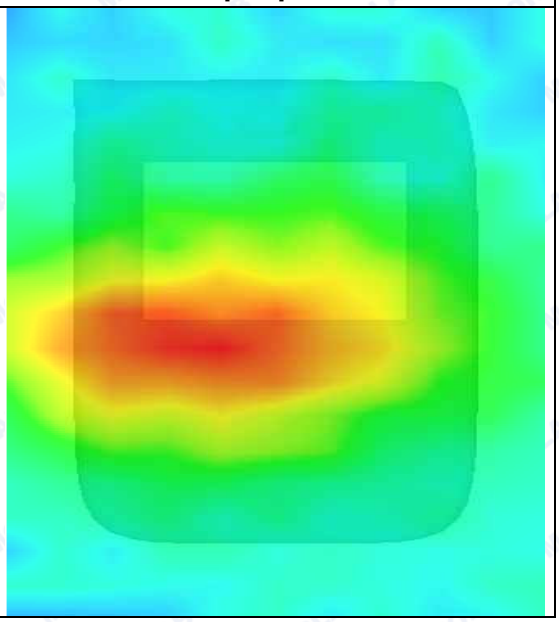
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-9.00, Y=-8.00**
**SAR Peak: 0.26 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.092186 |
| **SAR 1g (W/Kg)** | 0.160960 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 10 |
|---|

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2016.03.26
Measurement duration: 9 minutes 36 seconds

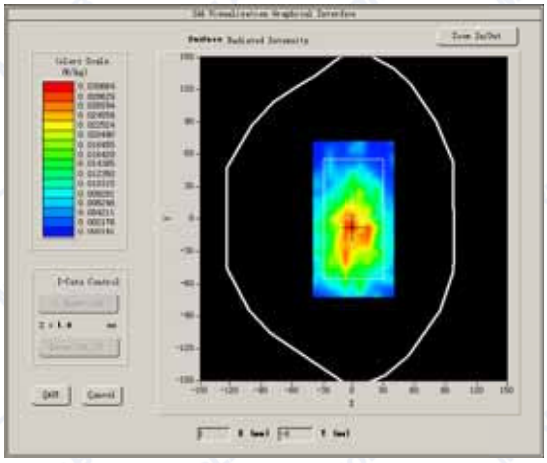
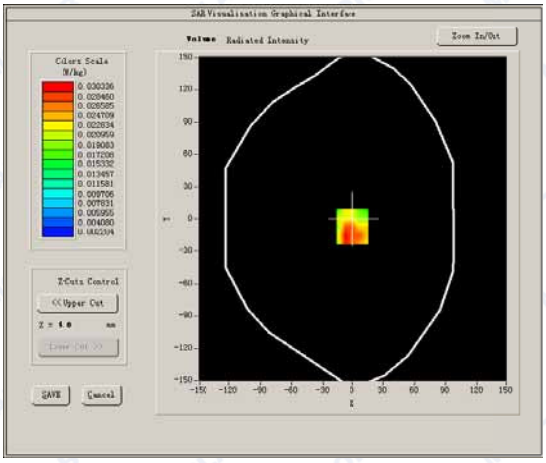
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | GSM850 |
| **Channels** | Middle |
| **Signal** | GPRS |

## B. SAR Measurement Results

Middle Band SAR (Channel 190):

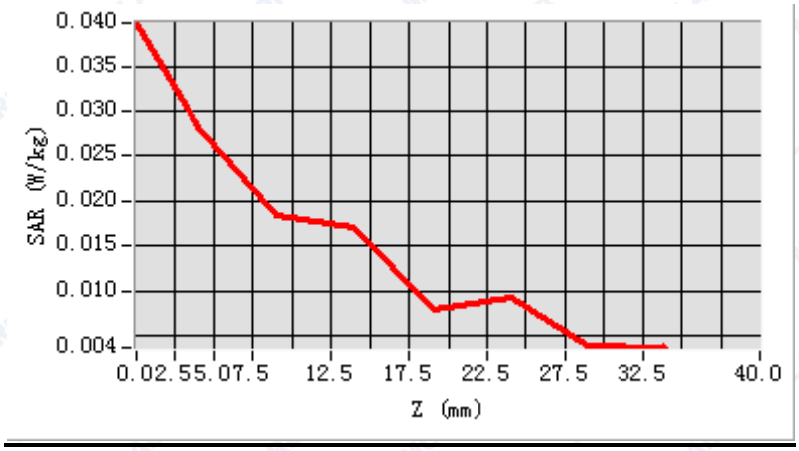
| | |
|---|---|
| **Frequency (MHz)** | 836.400024 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift(%)** | -2.170000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:8 |

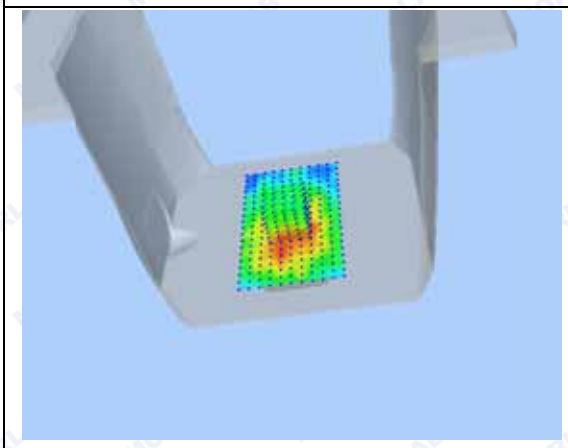
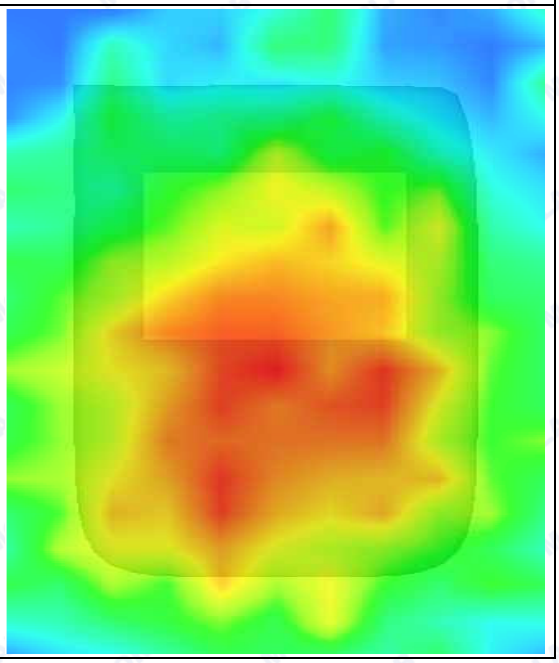
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-1.00, Y=-7.00**
**SAR Peak: 0.06 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.018935 |
| **SAR 1g (W/Kg)** | 0.030217 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 11 |
|---|

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2016.03.26
Measurement duration: 9 minutes 34 seconds

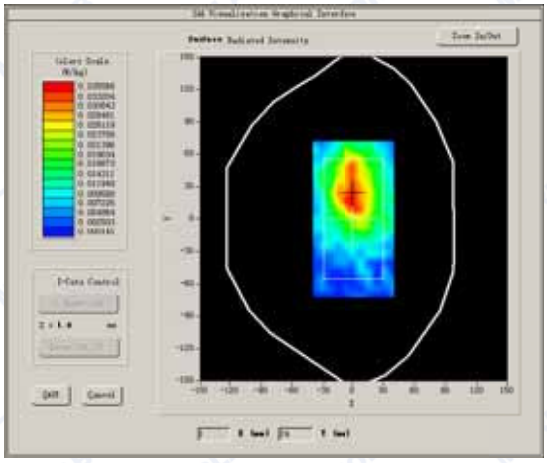
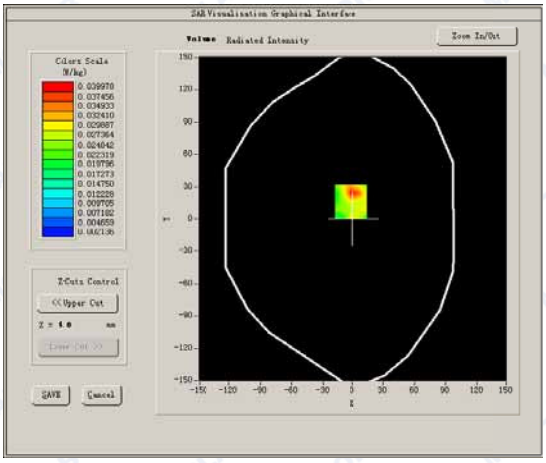
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | GSM850 |
| **Channels** | Middle |
| **Signal** | GPRS |

## B. SAR Measurement Results

Middle Band SAR (Channel 190):

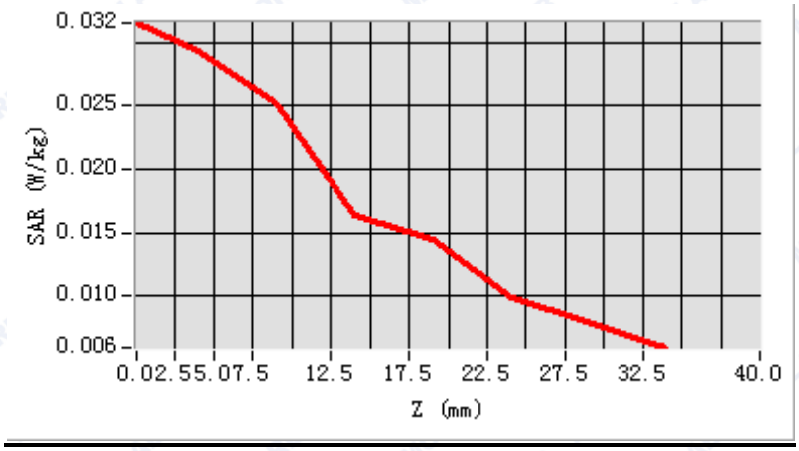
| | |
|---|---|
| **Frequency (MHz)** | 836.400024 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift(%)** | -2.170000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:8 |

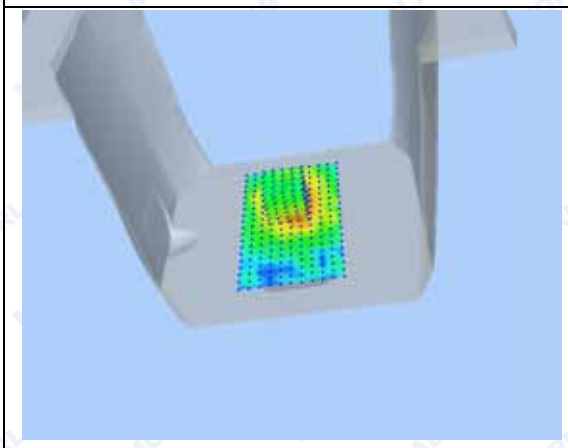
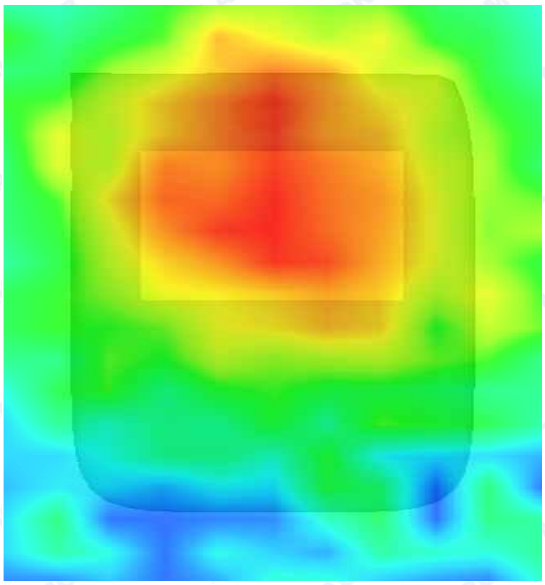
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-2.00, Y=16.00**
**SAR Peak: 0.05 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.022594 |
| **SAR 1g (W/Kg)** | 0.035785 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 12 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 38 seconds

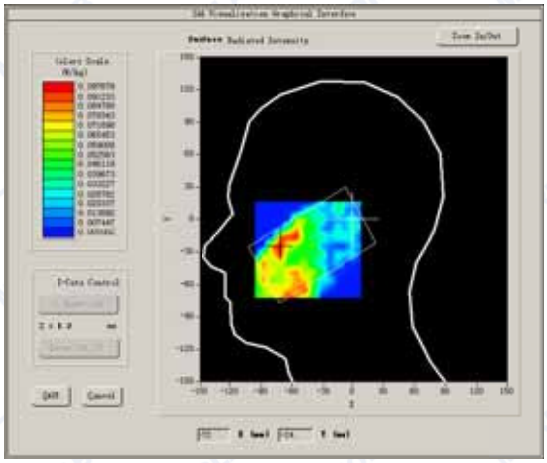
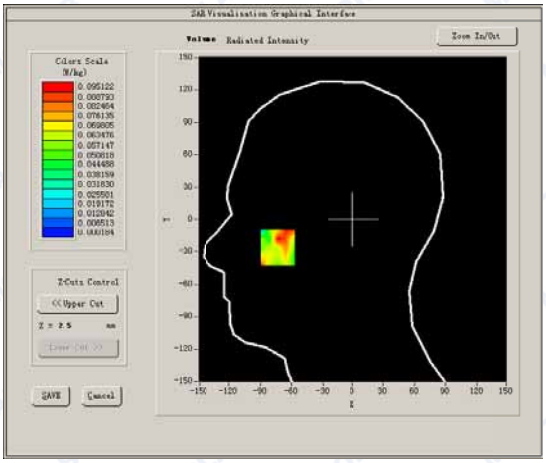
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Right head |
| **Device Position** | Cheek |
| **Band** | GSM1900 |
| **Channels** | Middle |
| **Signal** | GSM |

## B. SAR Measurement Results

Middle Band SAR (Channel 661):

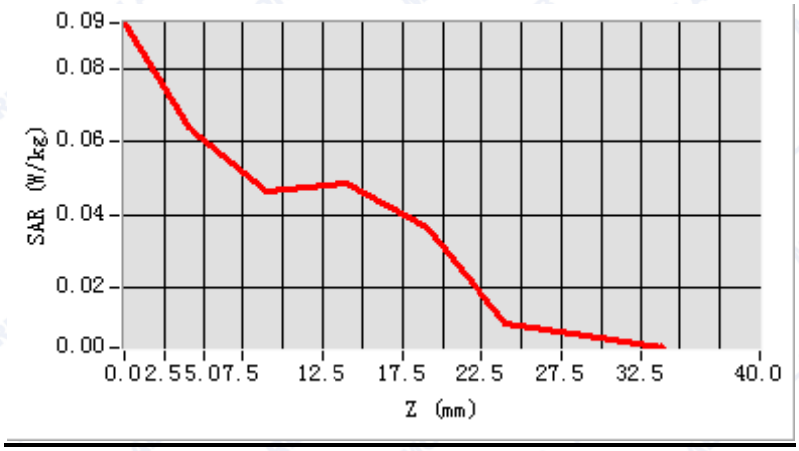
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 39.981672 |
| **Conductivity (S/m)** | 1.410935 |
| **Power drift(%)** | 2.230000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.00 |
| **Crest factor:** | 1:8 |

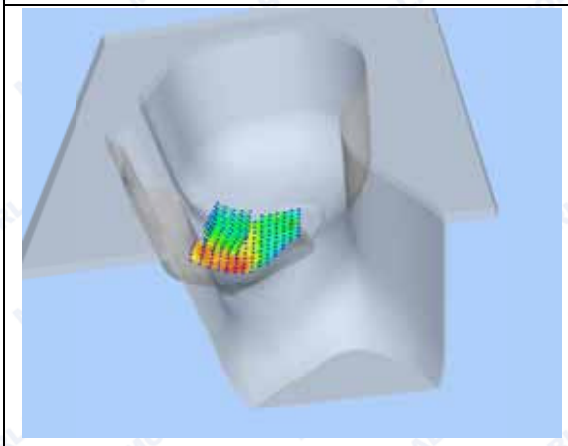
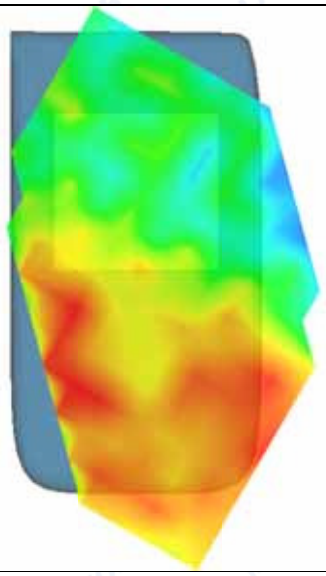
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-73.00, Y=-26.00**
**SAR Peak: 0.19 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.053656 |
| **SAR 1g (W/Kg)** | 0.093306 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 13 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 32 seconds

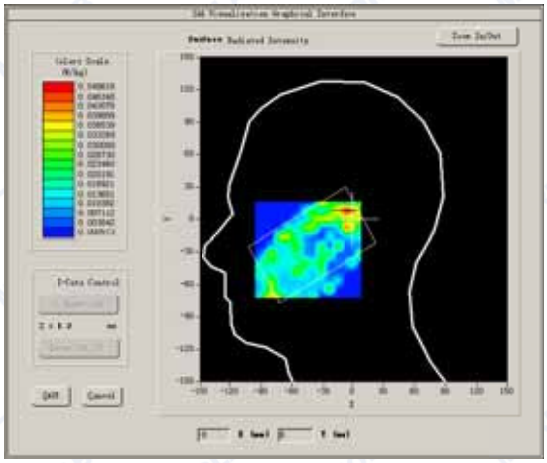
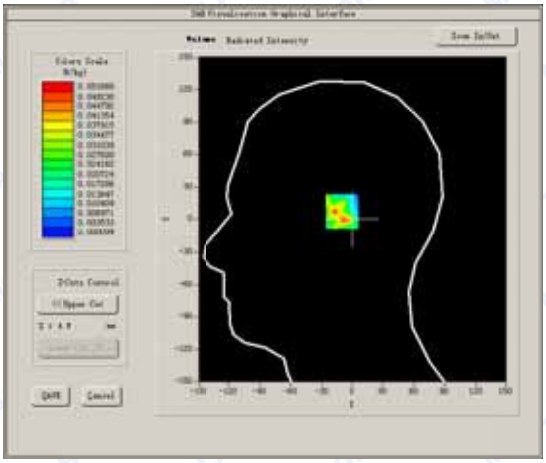
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Right head |
| **Device Position** | Tilt |
| **Band** | GSM1900 |
| **Channels** | Middle |
| **Signal** | GSM |

## B. SAR Measurement Results

Middle Band SAR (Channel 661):

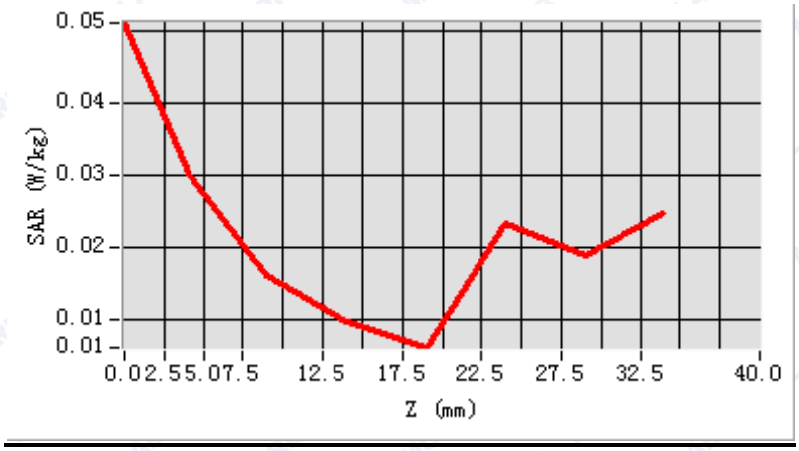
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 39.981672 |
| **Conductivity (S/m)** | 1.410935 |
| **Power drift(%)** | 2.230000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.00 |
| **Crest factor:** | 1:8 |

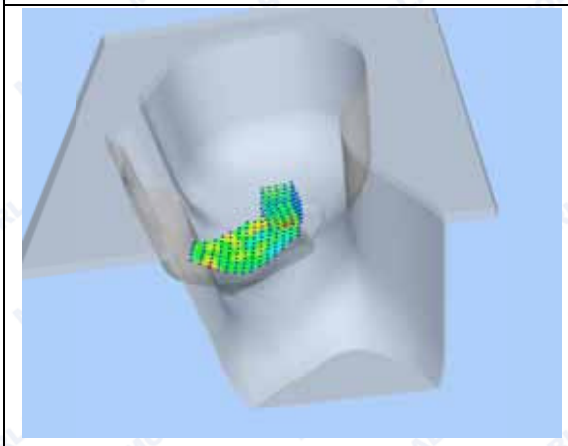
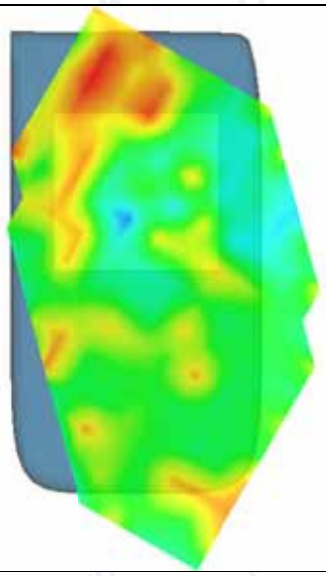
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-5.00, Y=7.00**
**SAR Peak: 0.14 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.023471 |
| **SAR 1g (W/Kg)** | 0.050667 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 14 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 32 seconds

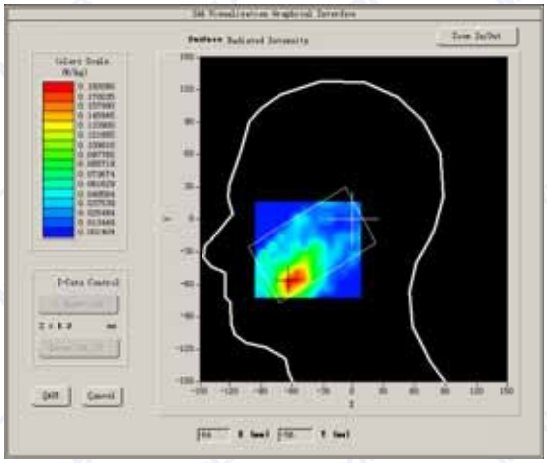
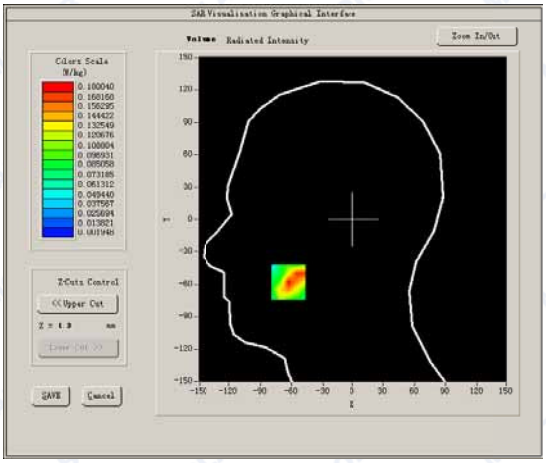
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Left head |
| **Device Position** | Cheek |
| **Band** | GSM1900 |
| **Channels** | Middle |
| **Signal** | GSM |

## B. SAR Measurement Results

Middle Band SAR (Channel 661):

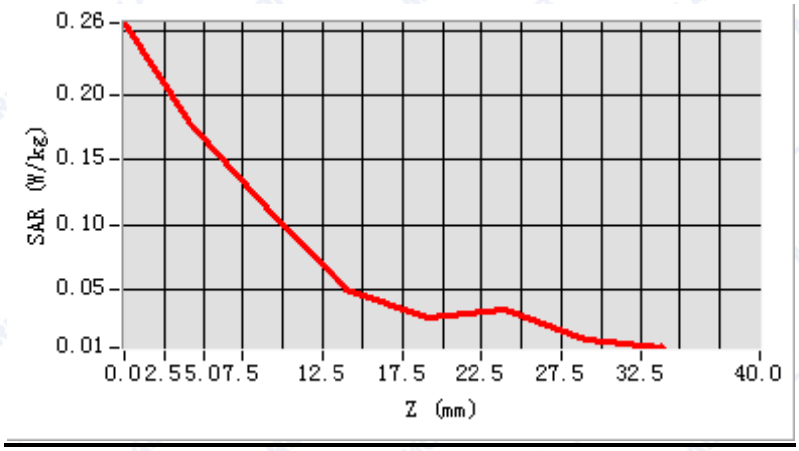
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 39.981672 |
| **Conductivity (S/m)** | 1.410935 |
| **Power drift(%)** | 2.230000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.00 |
| **Crest factor:** | 1:8 |

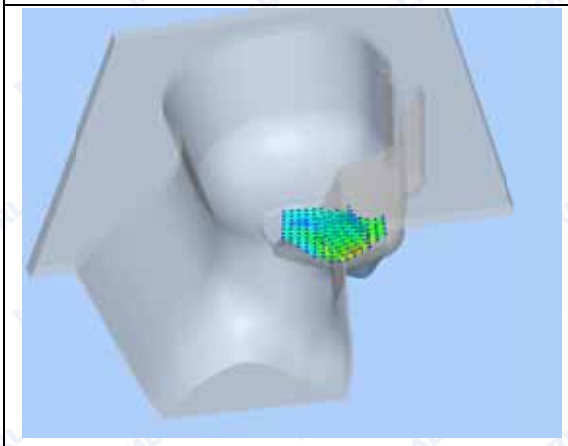
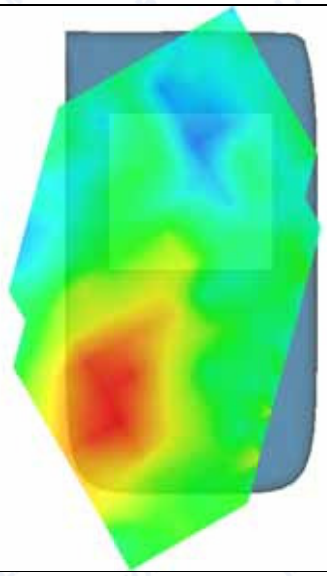
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-63.00, Y=-58.00**
**SAR Peak: 0.29 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.088264 |
| **SAR 1g (W/Kg)** | 0.156882 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 15 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 30 seconds

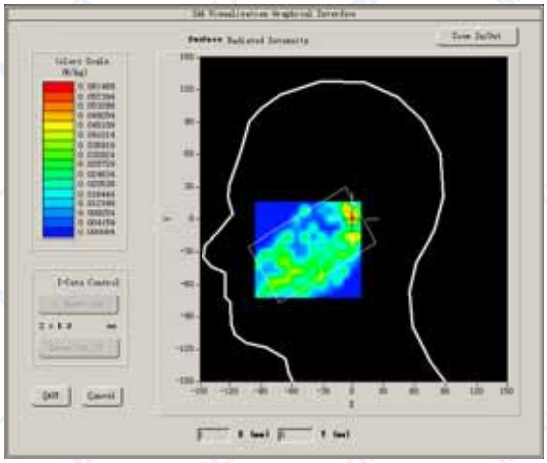
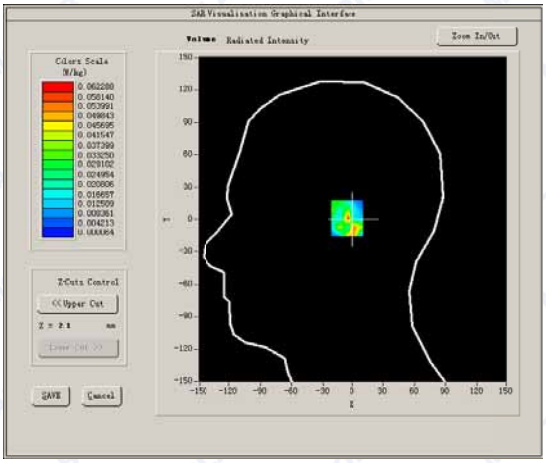
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Left head |
| **Device Position** | Tilt |
| **Band** | GSM1900 |
| **Channels** | Middle |
| **Signal** | GSM |

## B. SAR Measurement Results

Middle Band SAR (Channel 661):

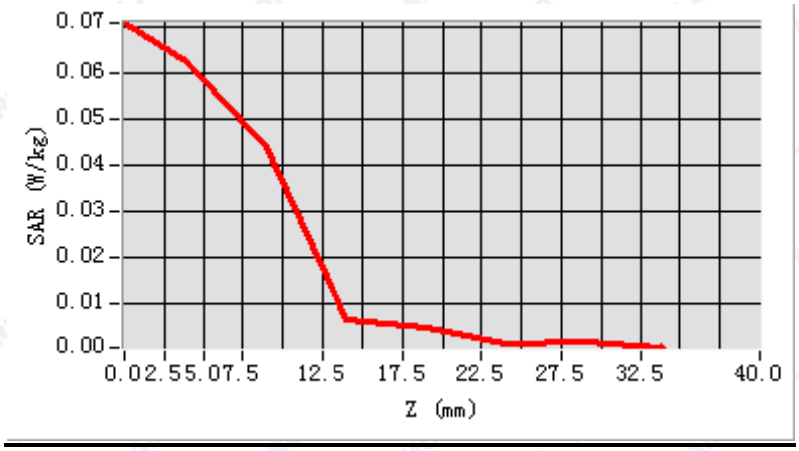
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 39.981672 |
| **Conductivity (S/m)** | 1.410935 |
| **Power drift(%)** | 2.230000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.00 |
| **Crest factor:** | 1:8 |

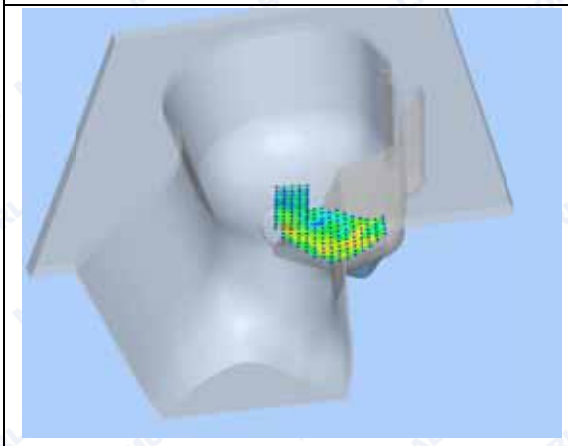
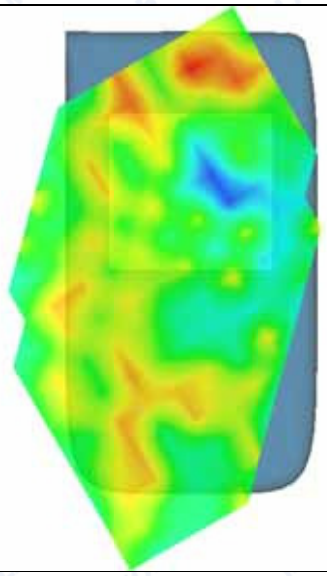
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=0.00, Y=1.00**
**SAR Peak: 0.16 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.023912 |
| **SAR 1g (W/Kg)** | 0.052116 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 16 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 23 seconds

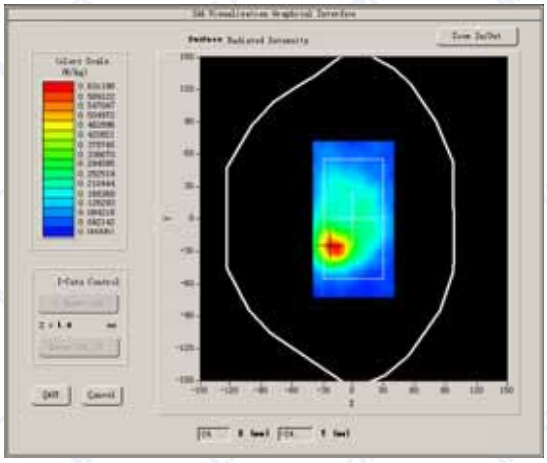
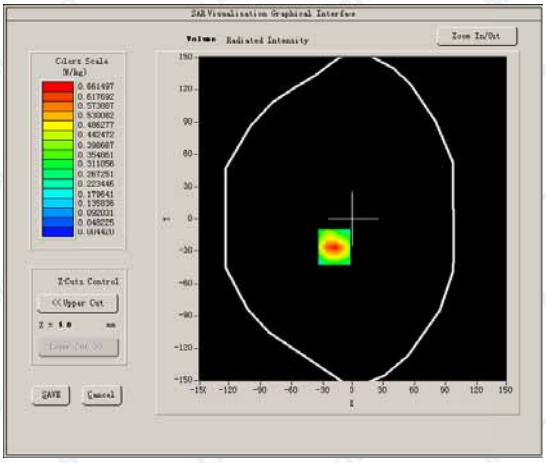
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | GSM1900 |
| **Channels** | Middle |
| **Signal** | GSM |

## B. SAR Measurement Results

Middle Band SAR (Channel 661):

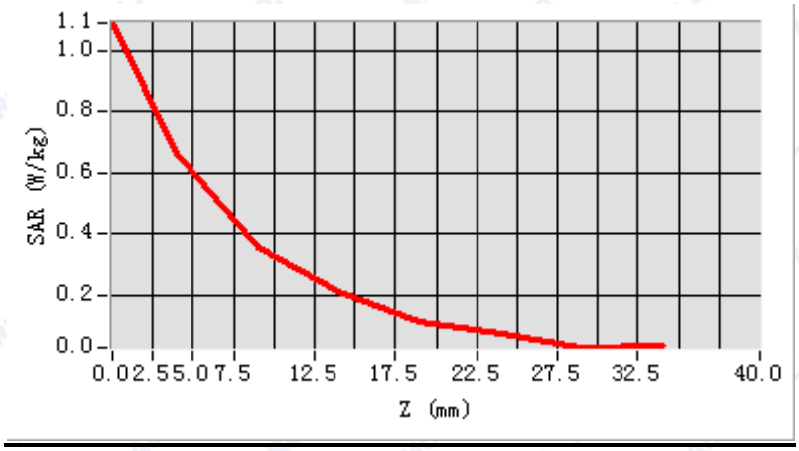
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift(%)** | -2.530000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:2 |

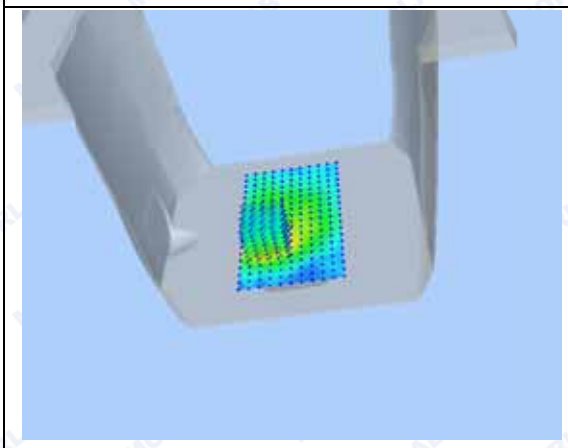
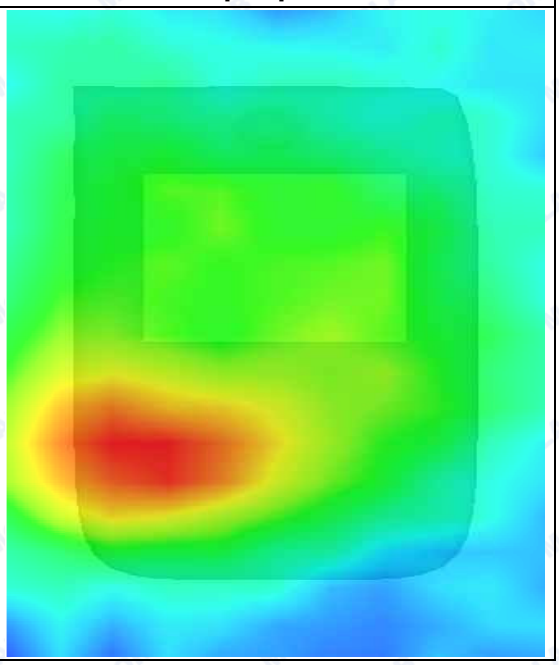
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-18.00, Y=-26.00**
**SAR Peak: 1.17 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.337430 |
| **SAR 1g (W/Kg)** | 0.673313 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 17 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 30 seconds

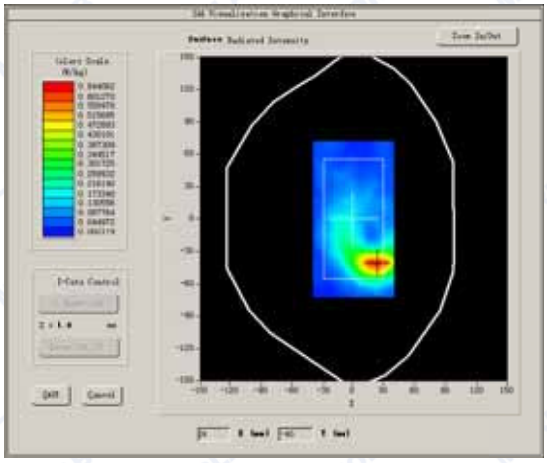
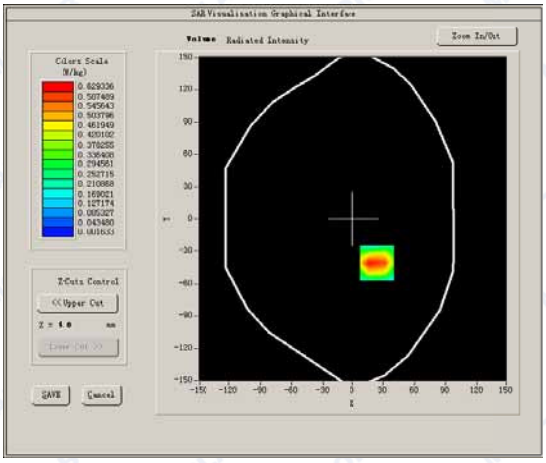
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | GSM1900 |
| **Channels** | Middle |
| **Signal** | GSM |

## B. SAR Measurement Results

Middle Band SAR (Channel 661):

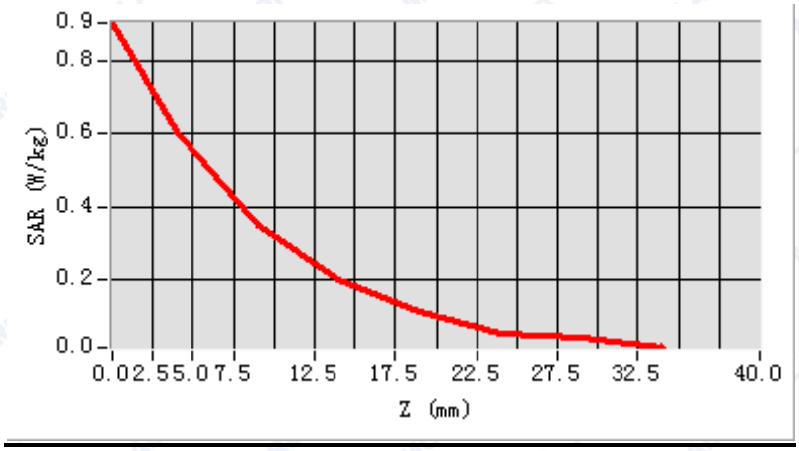
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift(%)** | -2.530000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:2 |

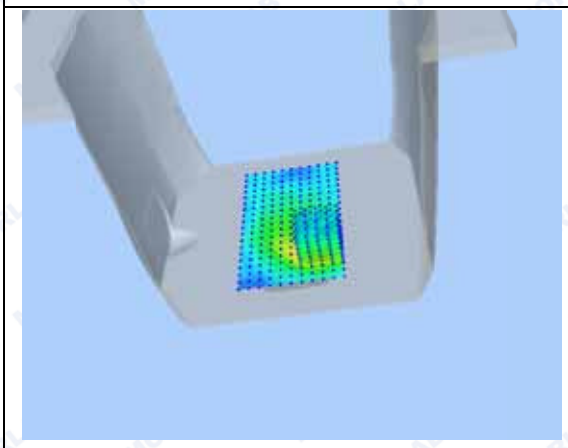
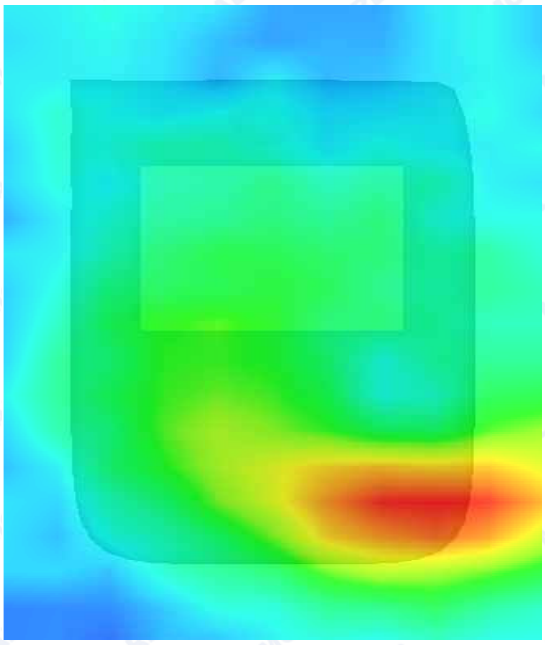
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=24.00, Y=-41.00**
**SAR Peak: 1.10 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.324821 |
| **SAR 1g (W/Kg)** | 0.642452 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 18 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 31 seconds

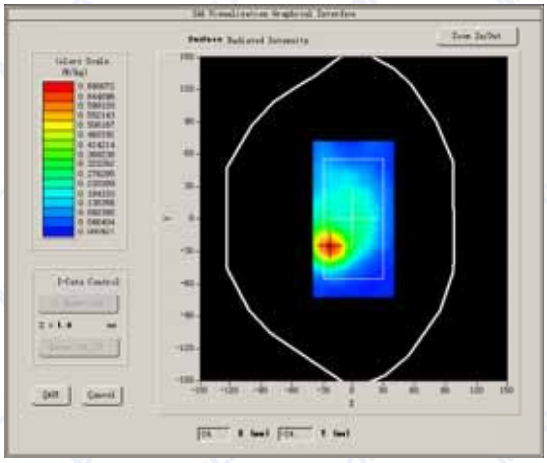
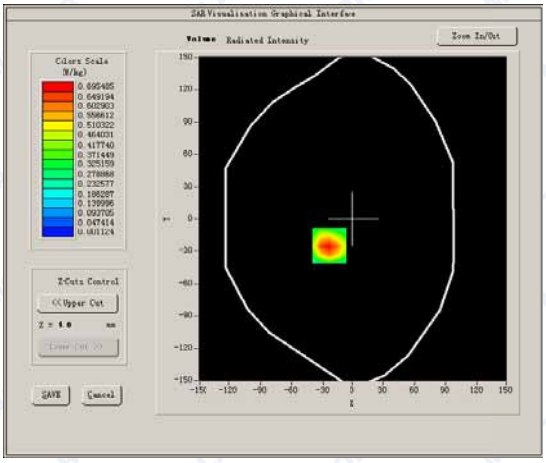
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | GSM1900 |
| **Channels** | Middle |
| **Signal** | GPRS |

## B. SAR Measurement Results

Middle Band SAR (Channel 661):

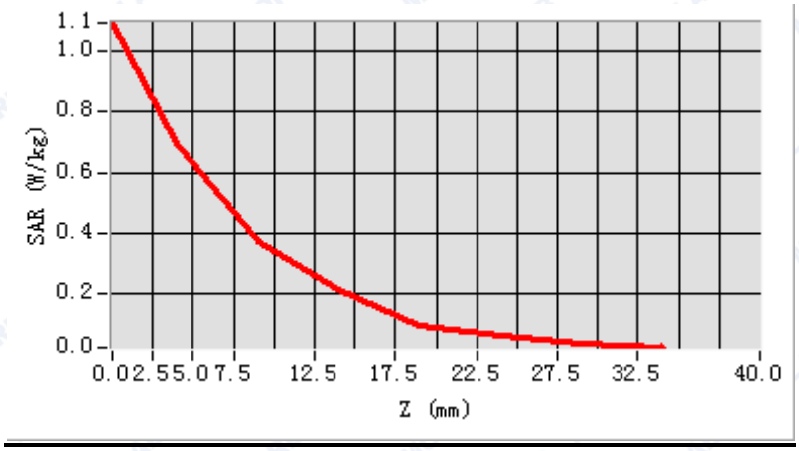
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift(%)** | -2.530000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:2 |

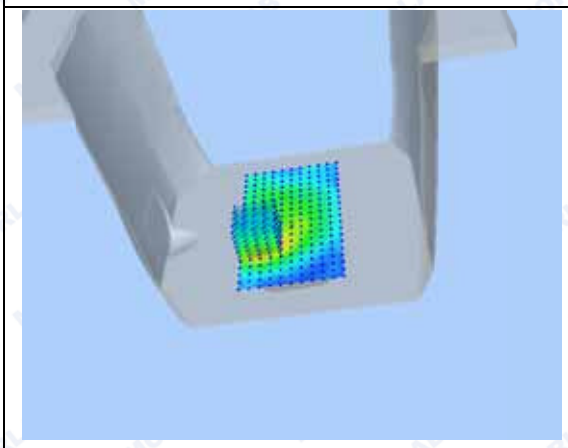
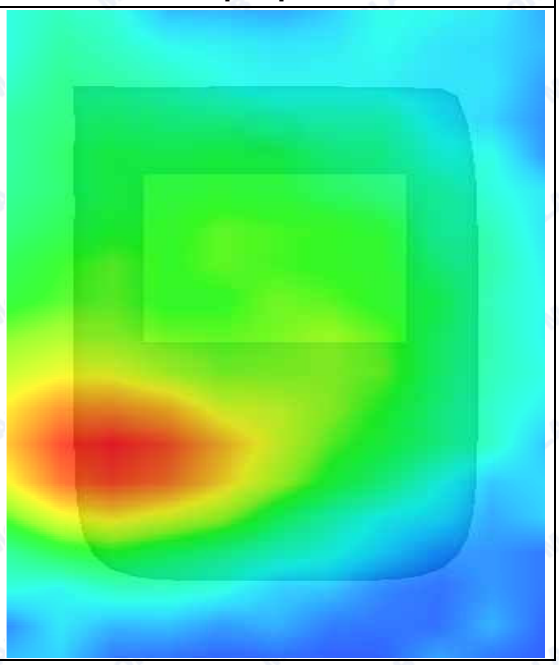
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-24.00, Y=-25.00**
**SAR Peak: 1.12 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.340147 |
| **SAR 1g (W/Kg)** | 0.680787 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 19 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 30 seconds

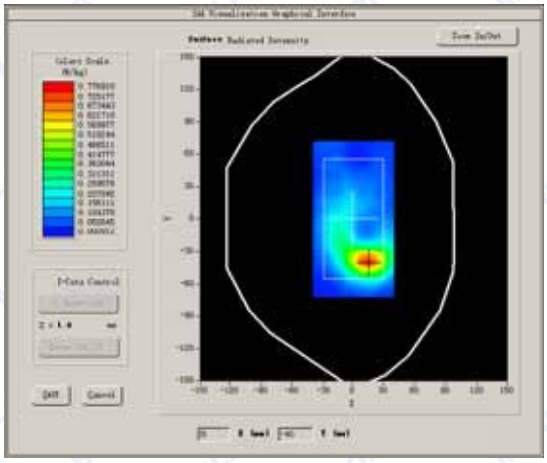
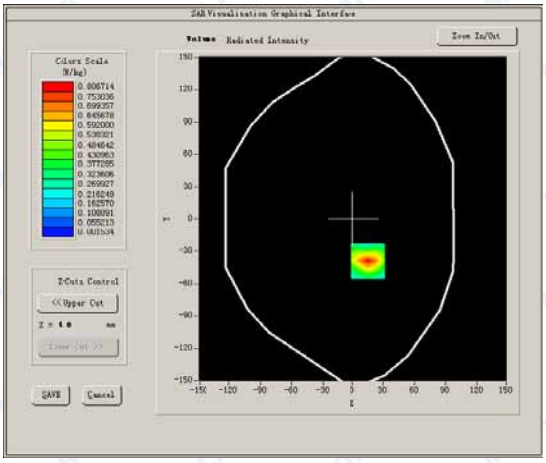
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | GSM1900 |
| **Channels** | Middle |
| **Signal** | GPRS |

## B. SAR Measurement Results

Middle Band SAR (Channel 661):

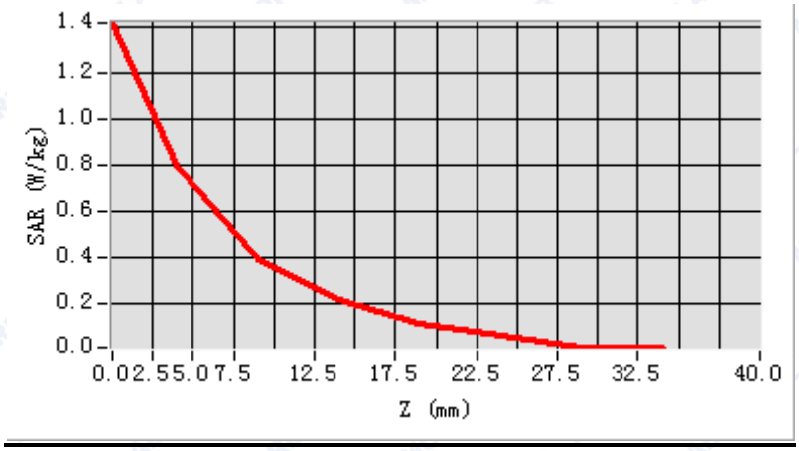
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift(%)** | -2.530000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:2 |

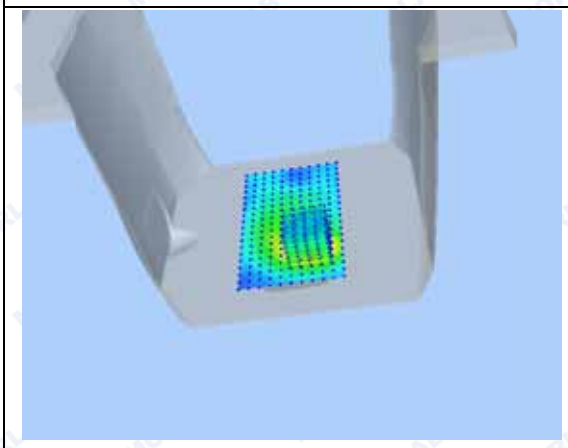
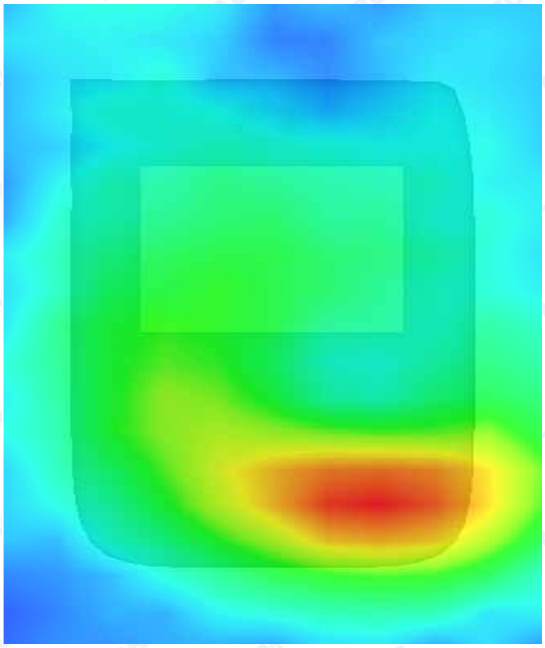
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=15.00, Y=-39.00**
**SAR Peak: 1.39 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.357503 |
| **SAR 1g (W/Kg)** | 0.767458 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 20 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 29 seconds

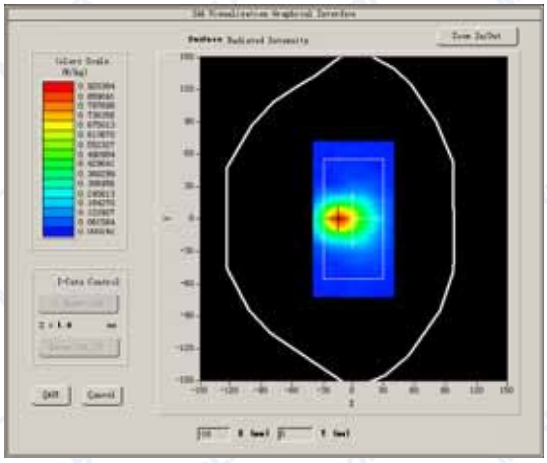
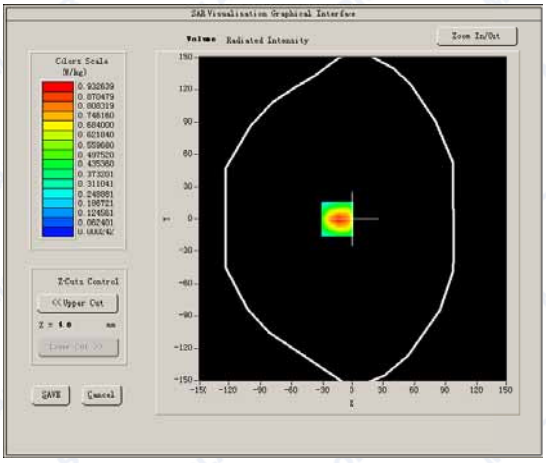
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | GSM1900 |
| **Channels** | Low |
| **Signal** | GPRS |

## B. SAR Measurement Results

Low Band SAR (Channel 512):

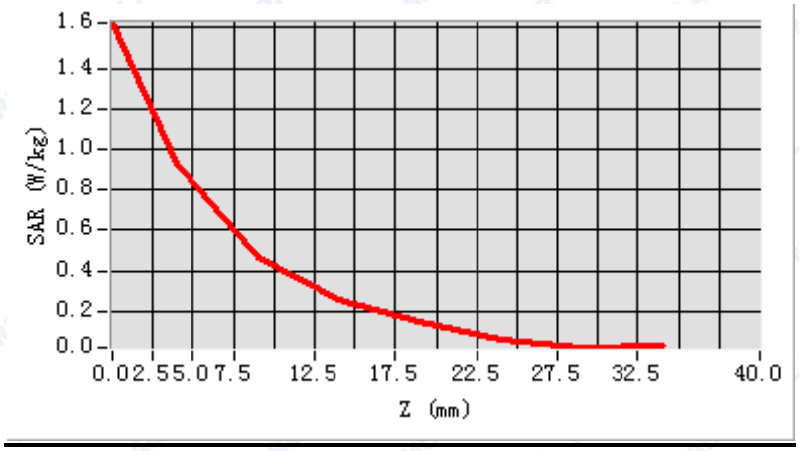
| | |
|---|---|
| **Frequency (MHz)** | 1850.199951 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift(%)** | -2.530000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:2 |

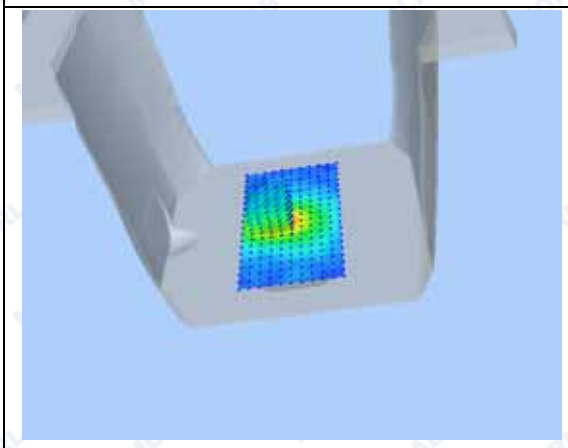
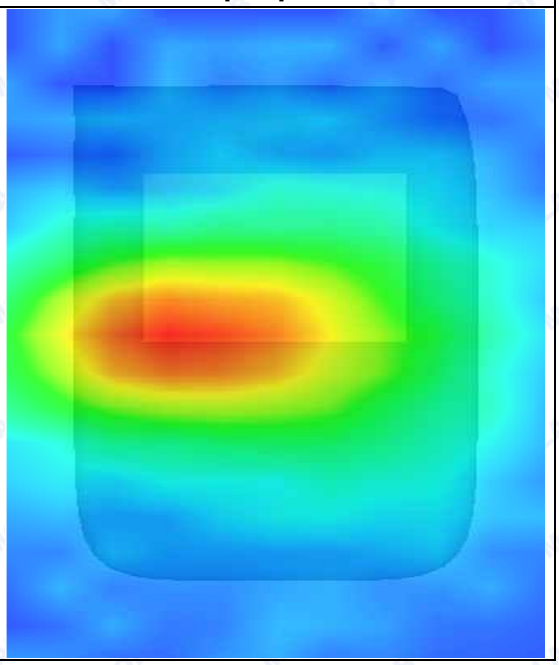
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-15.00, Y=0.00**
**SAR Peak: 1.59 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.438586 |
| **SAR 1g (W/Kg)** | 0.900554 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 21 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 29 seconds

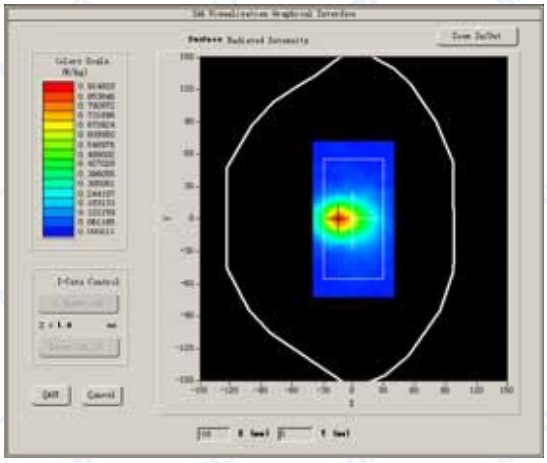
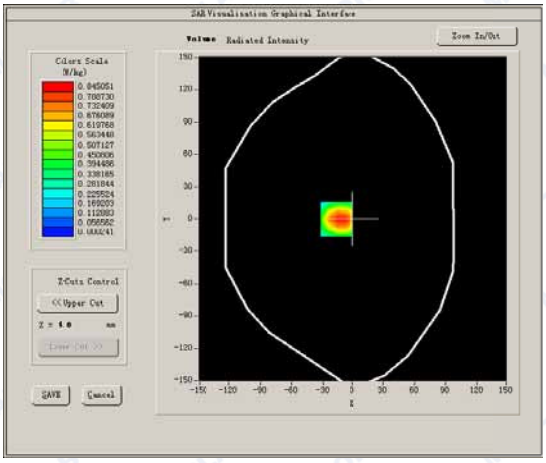
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | GSM1900 |
| **Channels** | Middle |
| **Signal** | GPRS |

## B. SAR Measurement Results

Middle Band SAR (Channel 661):

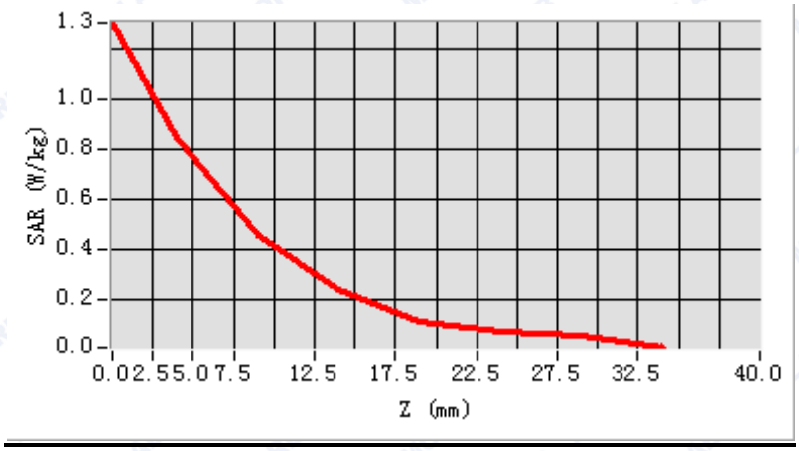
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift(%)** | -2.530000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:2 |

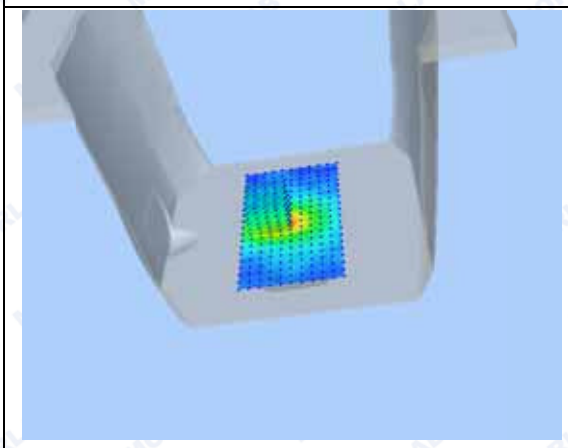
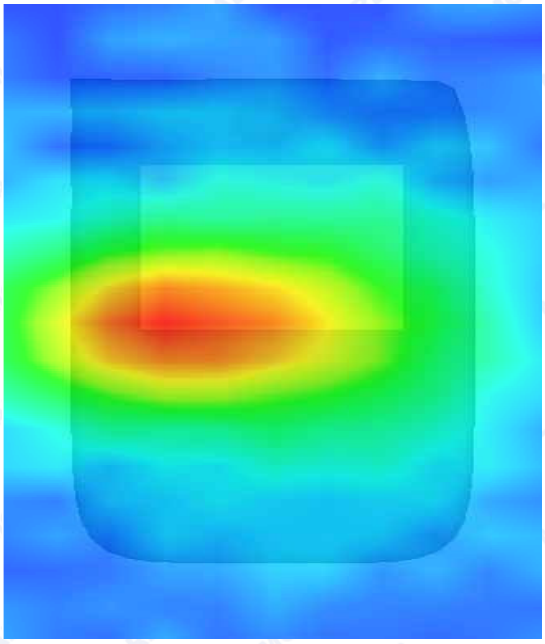
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-16.00, Y=0.00**
**SAR Peak: 1.33 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.419788 |
| **SAR 1g (W/Kg)** | 0.815420 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 22 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 29 seconds

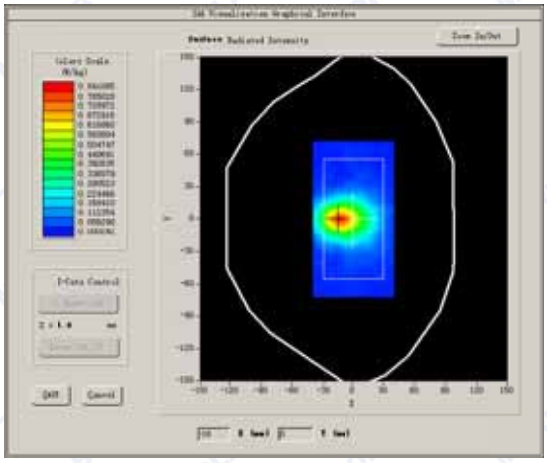
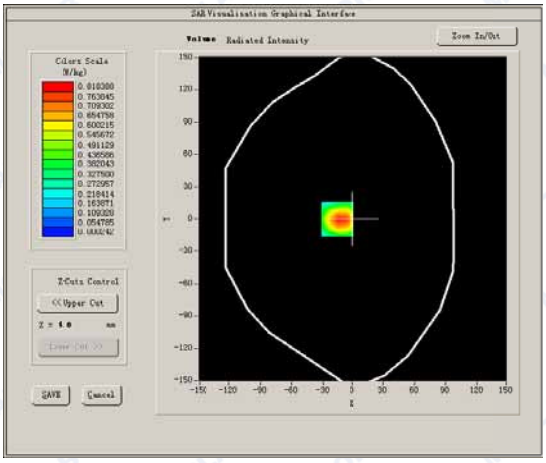
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | GSM1900 |
| **Channels** | High |
| **Signal** | GPRS |

## B. SAR Measurement Results

High Band SAR (Channel 810):

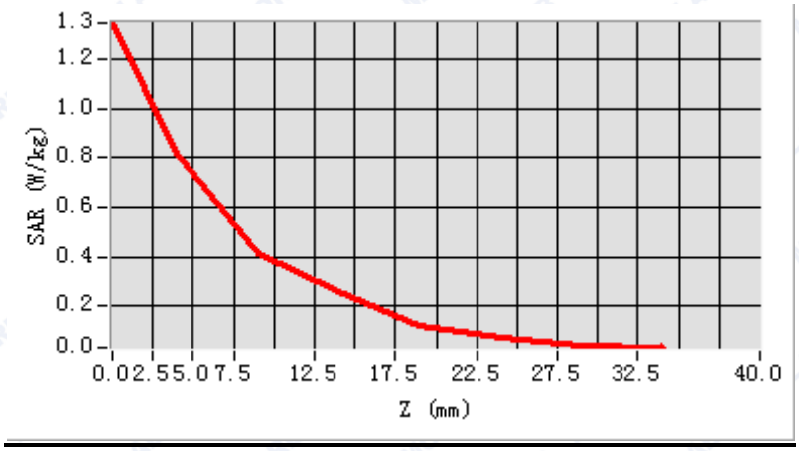
| | |
|---|---|
| **Frequency (MHz)** | 1909.800049 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift(%)** | -2.530000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:2 |

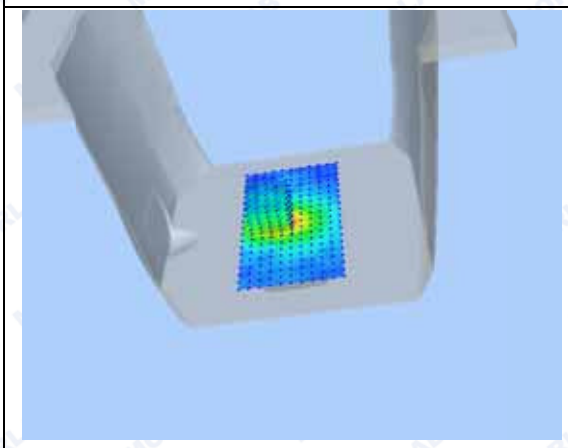
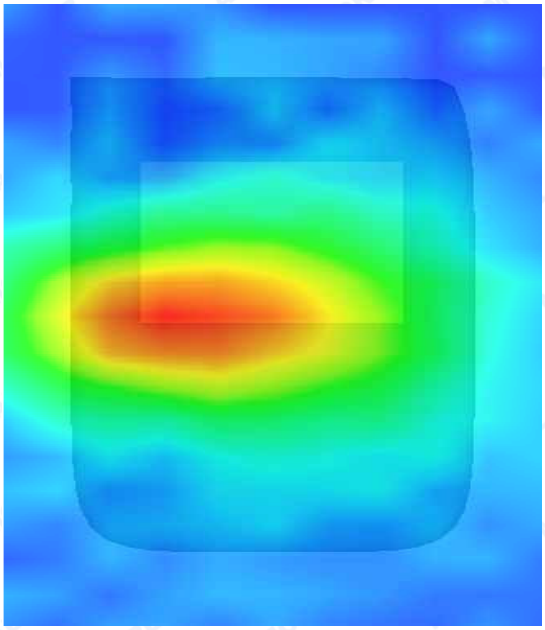
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-15.00, Y=0.00**
**SAR Peak: 1.35 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.404788 |
| **SAR 1g (W/Kg)** | 0.801095 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 23 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 33 seconds

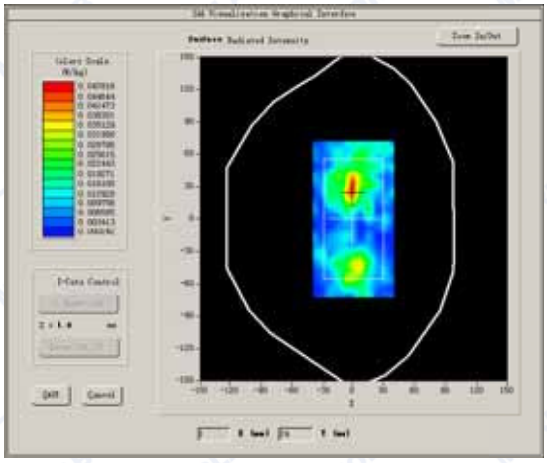
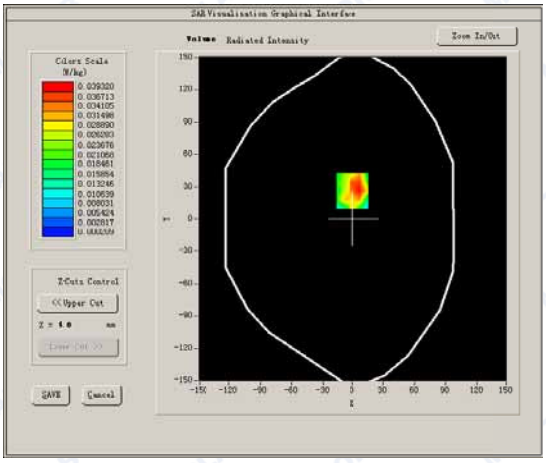
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | GSM1900 |
| **Channels** | Middle |
| **Signal** | GPRS |

## B. SAR Measurement Results

Middle Band SAR (Channel 661):

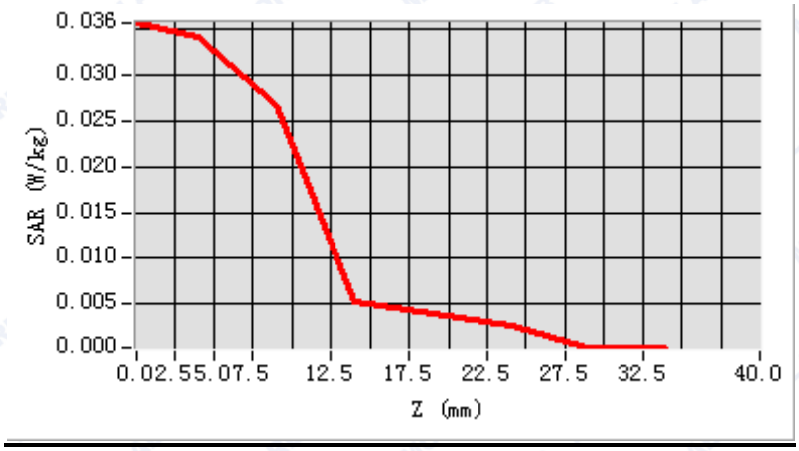
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift(%)** | -2.530000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:2 |

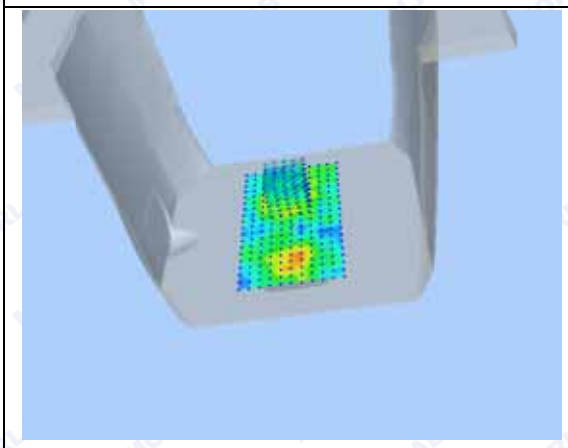
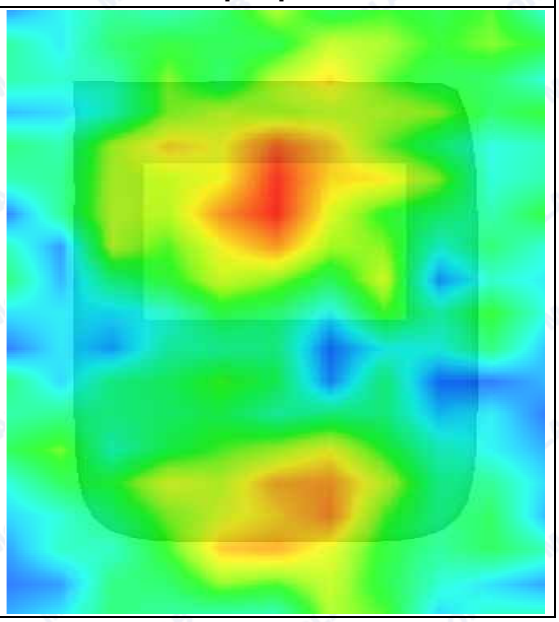
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-1.00, Y=26.00**
**SAR Peak: 0.08 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.018277 |
| **SAR 1g (W/Kg)** | 0.040960 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 24 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 31 seconds

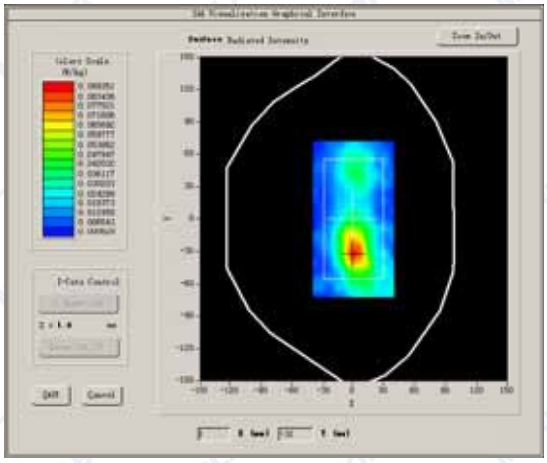
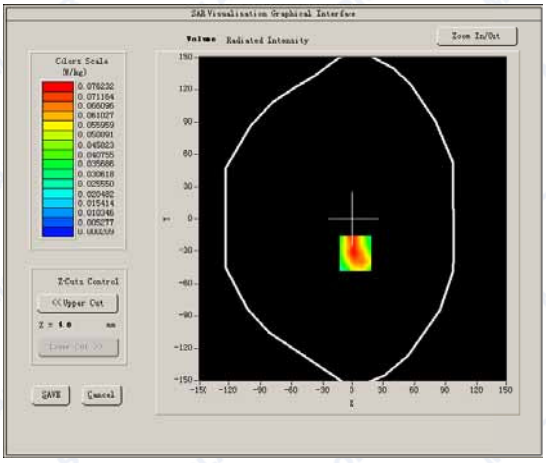
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | GSM1900 |
| **Channels** | Middle |
| **Signal** | GPRS |

## B. SAR Measurement Results

Middle Band SAR (Channel 661):

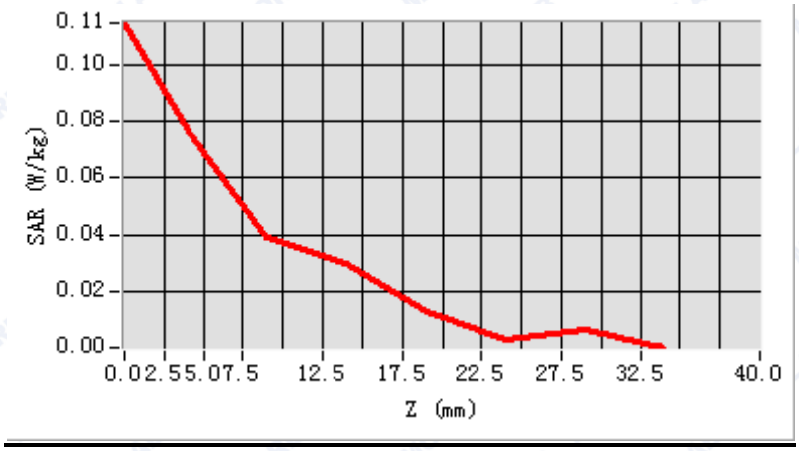
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift(%)** | -2.530000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:2 |

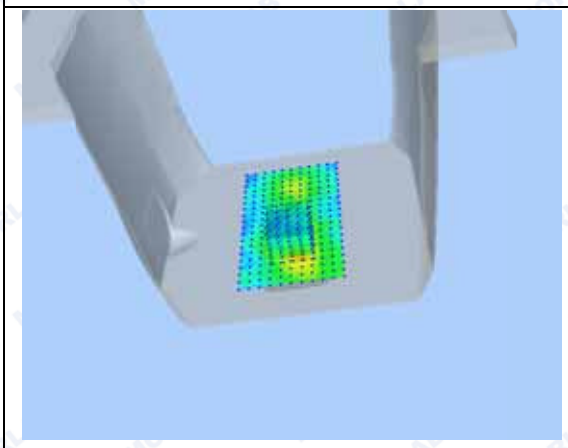
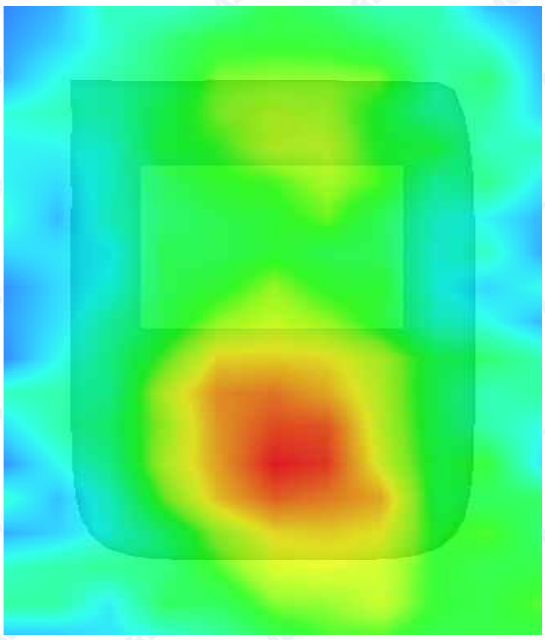
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=2.00, Y=-32.00**
**SAR Peak: 0.13 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.038947 |
| **SAR 1g (W/Kg)** | 0.074048 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 25 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.26

Measurement duration: 9 minutes 18 seconds

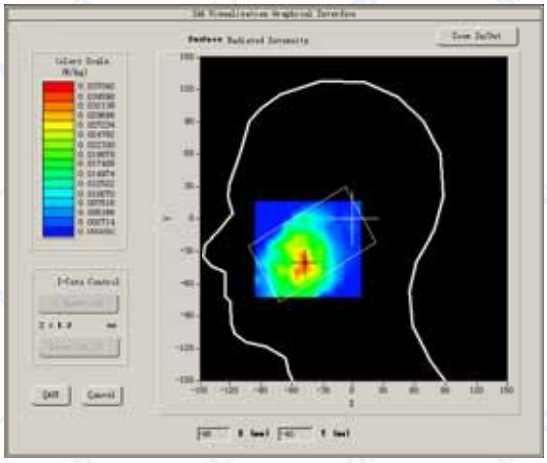
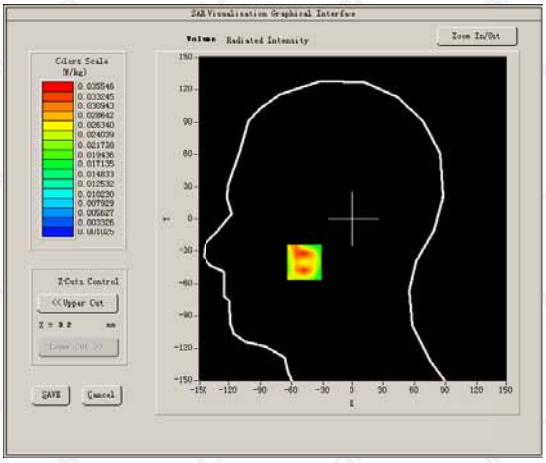
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Right head |
| **Device Position** | Cheek |
| **Band** | WCDMA850 |
| **Channels** | Middle |
| **Signal** | CDMA |

## B. SAR Measurement Results

Middle Band SAR (Channel 4182):

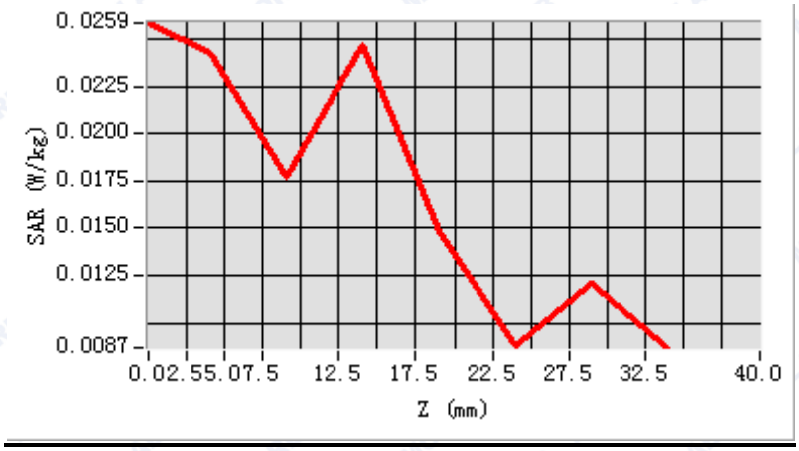
| | |
|---|---|
| **Frequency (MHz)** | 836.000000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

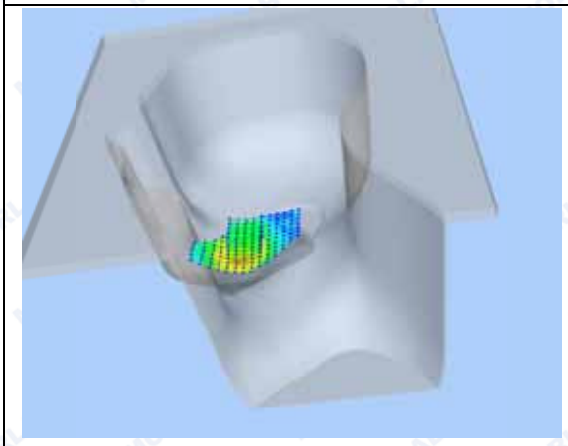
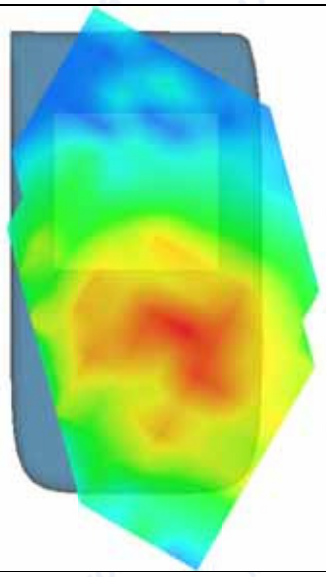
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-48.00, Y=-40.00**
**SAR Peak: 0.06 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.021822 |
| **SAR 1g (W/Kg)** | 0.034505 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 26 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.26

Measurement duration: 8 minutes 14 seconds

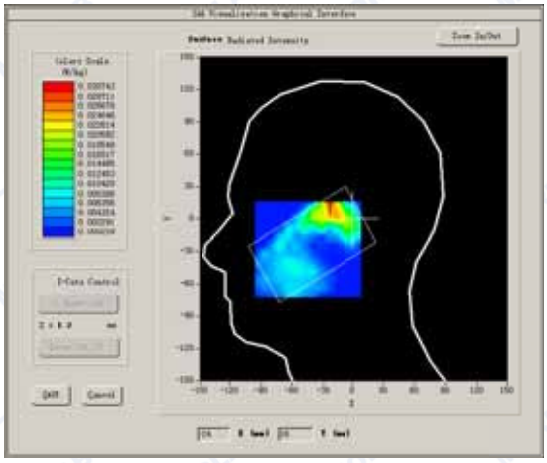
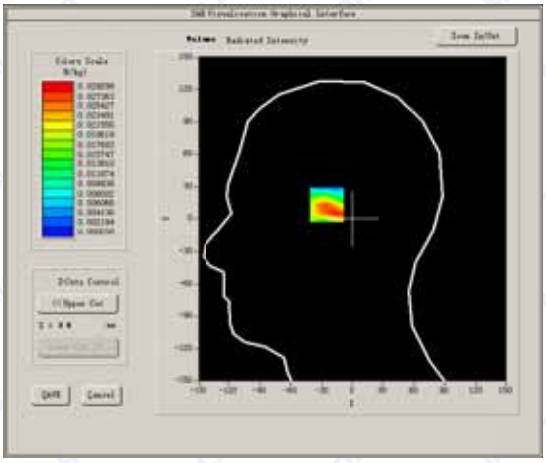
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Right head |
| **Device Position** | Tilt |
| **Band** | WCDMA850 |
| **Channels** | Middle |
| **Signal** | CDMA |

## B. SAR Measurement Results

Middle Band SAR (Channel 4182):

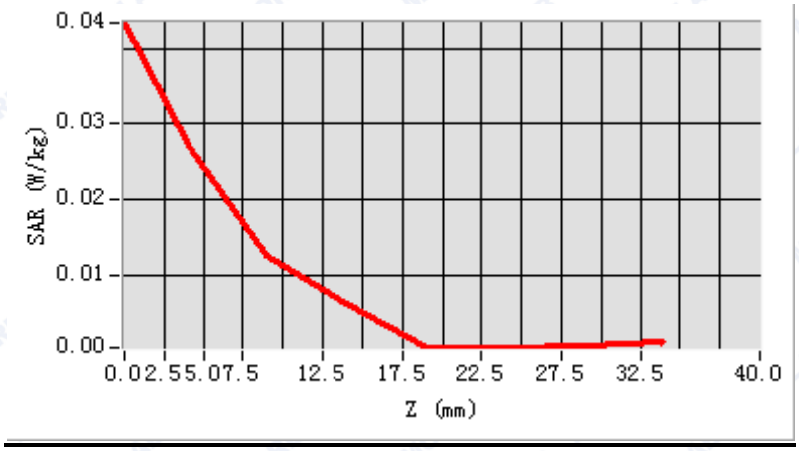
| | |
|---|---|
| **Frequency (MHz)** | 836.000000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | -2.940000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

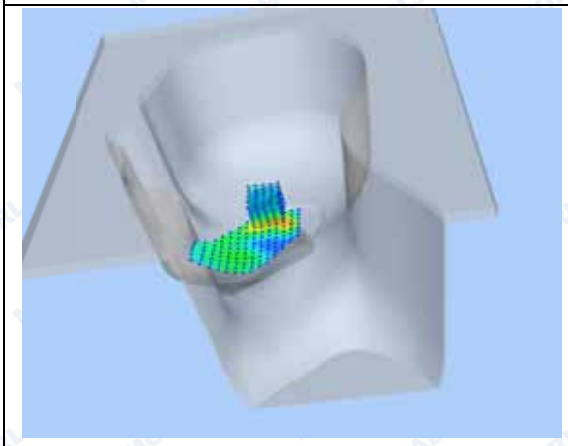
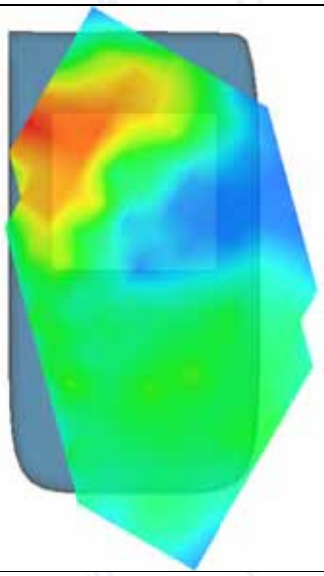
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-24.00, Y=16.00**
**SAR Peak: 0.06 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.012569 |
| **SAR 1g (W/Kg)** | 0.029374 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 27 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.26

Measurement duration: 8 minutes 57 seconds

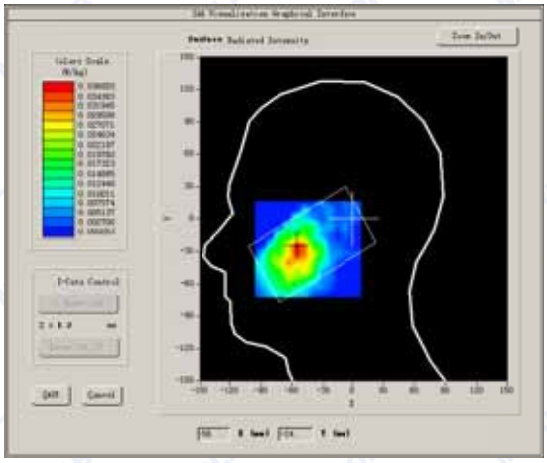
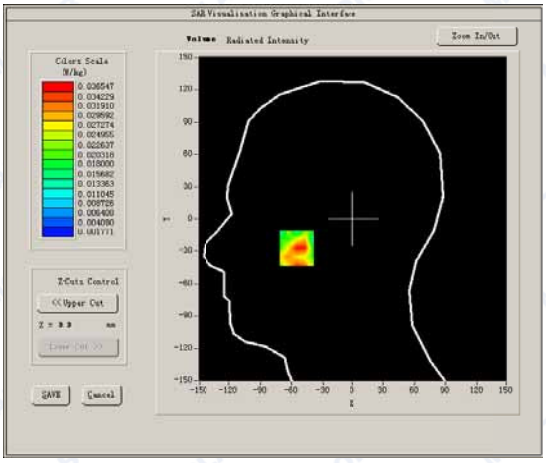
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Left head |
| **Device Position** | Cheek |
| **Band** | WCDMA850 |
| **Channels** | Middle |
| **Signal** | CDMA |

## B. SAR Measurement Results

Middle Band SAR (Channel 4182):

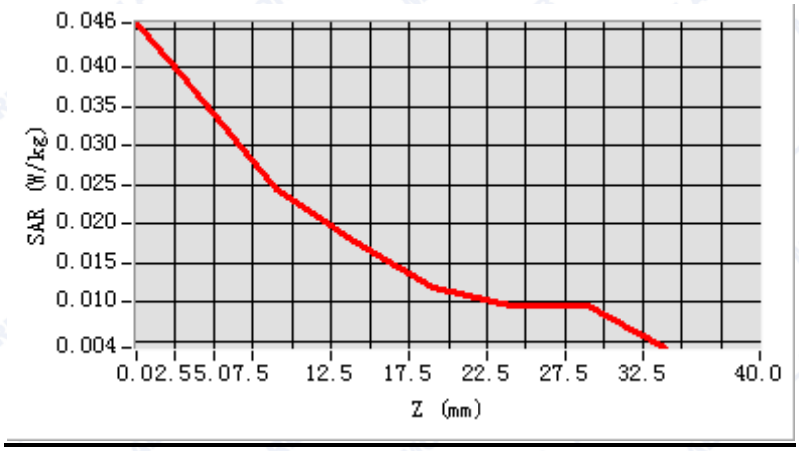
| | |
|---|---|
| **Frequency (MHz)** | 836.000000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 2.400000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

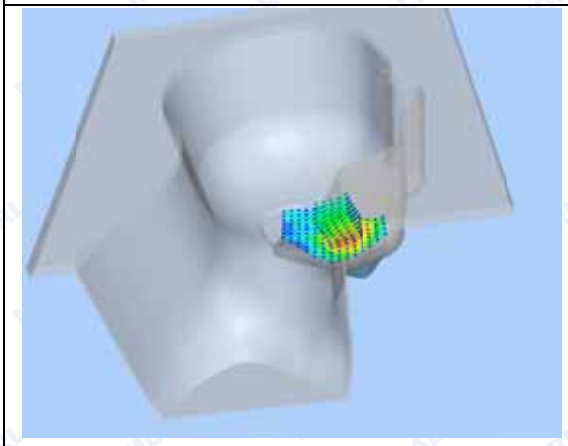
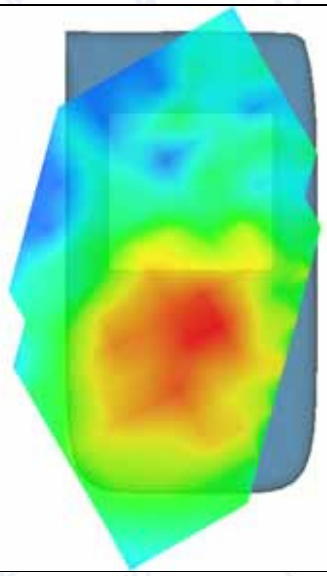
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-55.00, Y=-27.00**
**SAR Peak: 0.06 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.021705 |
| **SAR 1g (W/Kg)** | 0.034902 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 28 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.26

Measurement duration: 8 minutes 20 seconds

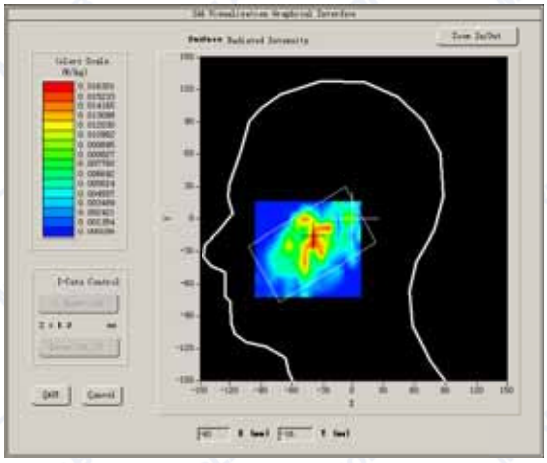
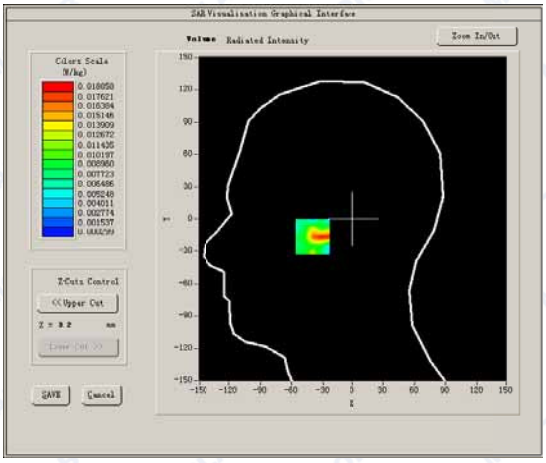
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Left head |
| **Device Position** | Tilt |
| **Band** | WCDMA850 |
| **Channels** | Middle |
| **Signal** | CDMA |

## B. SAR Measurement Results

Middle Band SAR (Channel 4182):

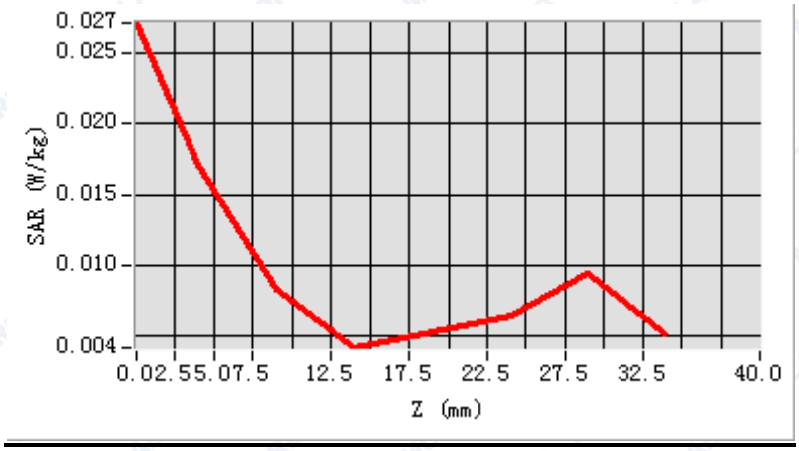
| | |
|---|---|
| **Frequency (MHz)** | 836.000000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | -3.550000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

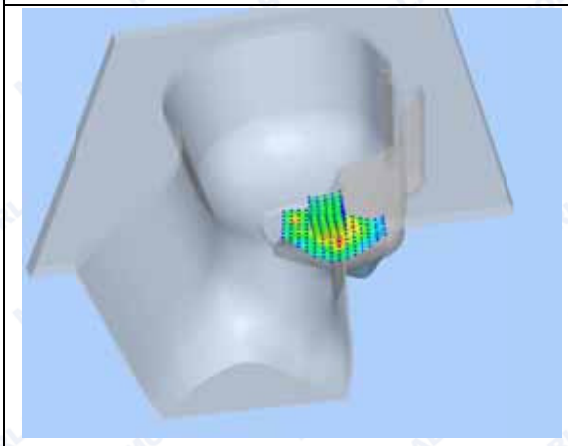
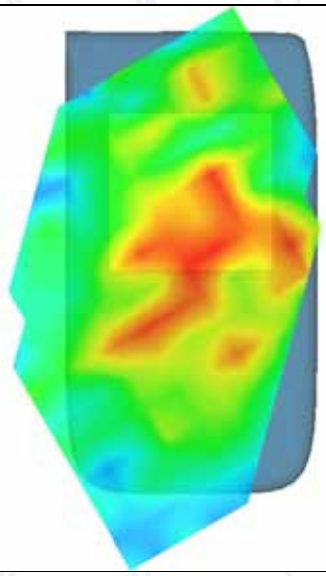
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-40.00, Y=-16.00**
**SAR Peak: 0.04 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.009194 |
| **SAR 1g (W/Kg)** | 0.016981 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 29 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.26

Measurement duration: 9 minutes 28 seconds

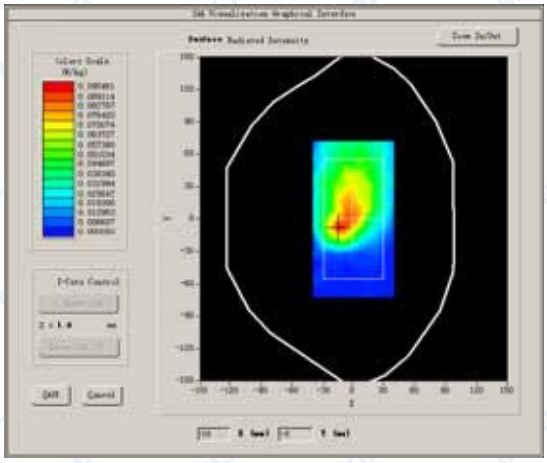
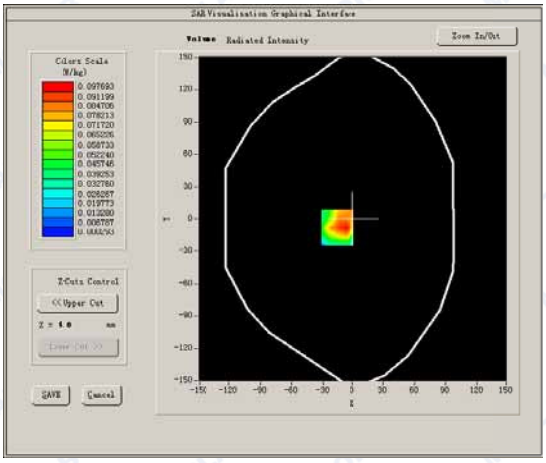
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | WCDMA850 |
| **Channels** | Middle |
| **Signal** | CDMA |

## B. SAR Measurement Results

Middle Band SAR (Channel 4182):

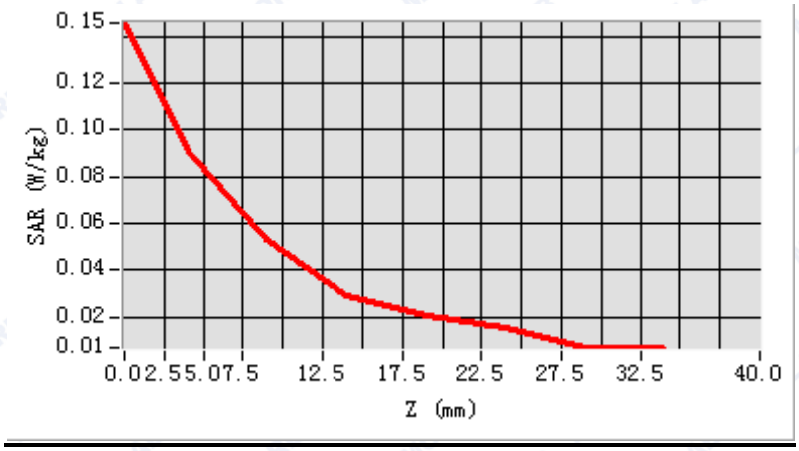
| | |
|---|---|
| **Frequency (MHz)** | 836.000000 |
| **Relative permittivity (real part)** | 55.691823 |
| **Conductivity (S/m)** | 0.973824 |
| **Power drift (%)** | 0.130000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.99 |
| **Crest factor:** | 1:1 |

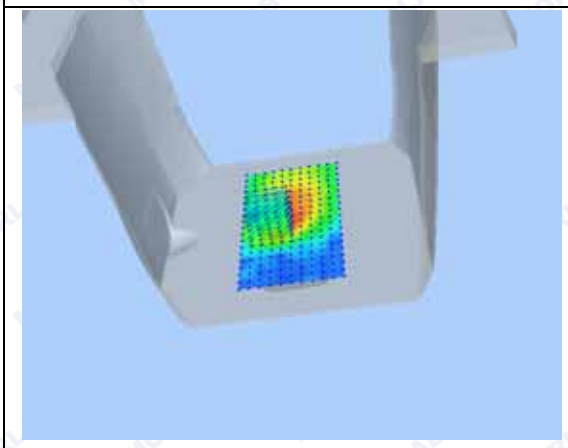
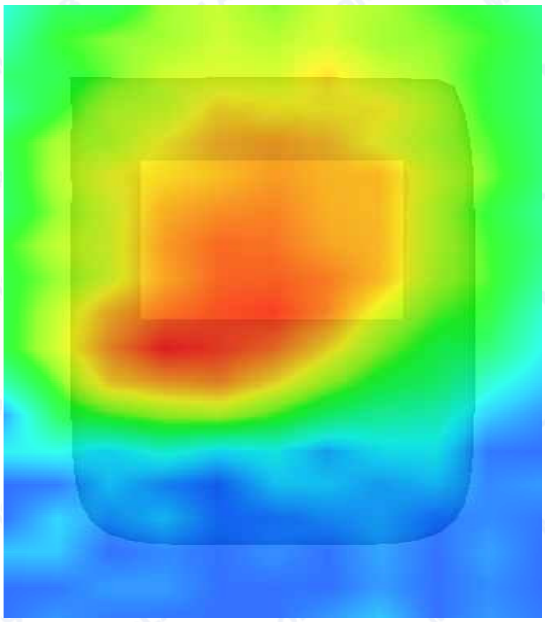
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-15.00, Y=-8.00**
**SAR Peak: 0.17 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.055165 |
| **SAR 1g (W/Kg)** | 0.098372 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 30 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.26

Measurement duration: 9 minutes 32 seconds

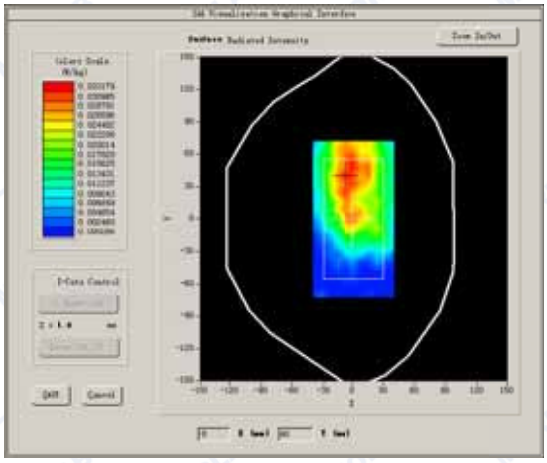
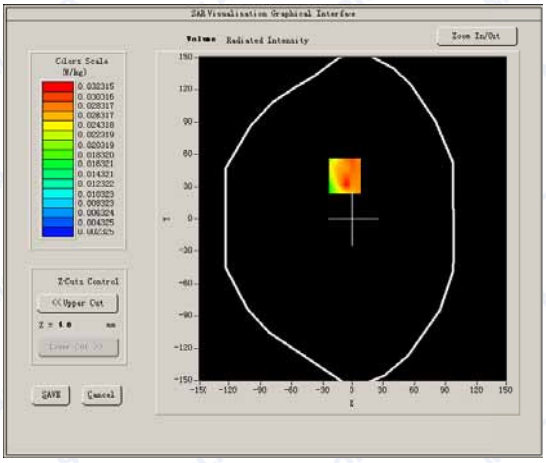
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | WCDMA850 |
| **Channels** | Middle |
| **Signal** | CDMA |

## B. SAR Measurement Results

Middle Band SAR (Channel 4182):

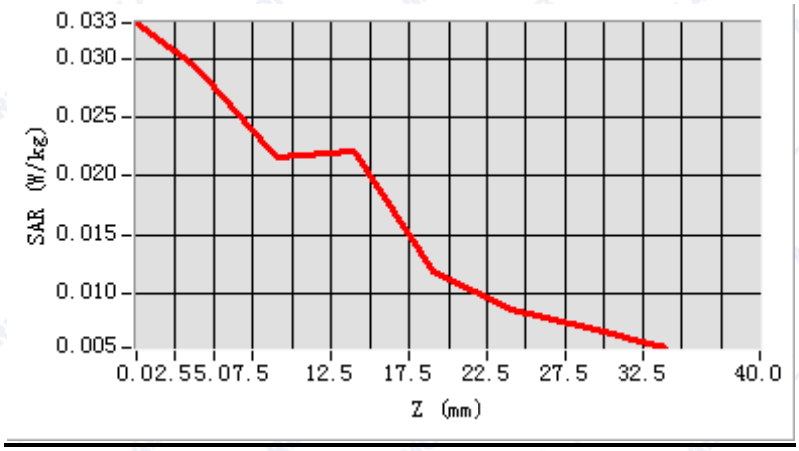
| | |
|---|---|
| **Frequency (MHz)** | 836.000000 |
| **Relative permittivity (real part)** | 55.691823 |
| **Conductivity (S/m)** | 0.973824 |
| **Power drift (%)** | 0.130000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.99 |
| **Crest factor:** | 1:1 |

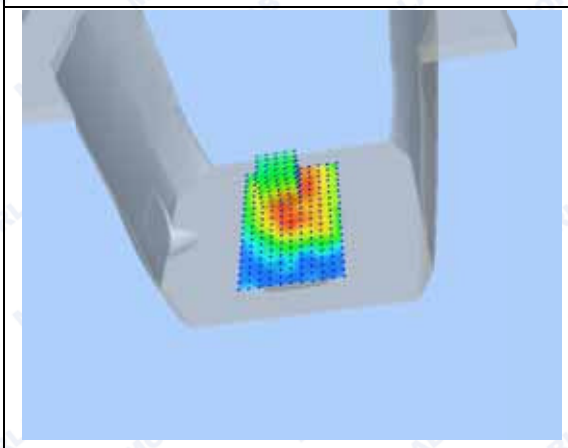
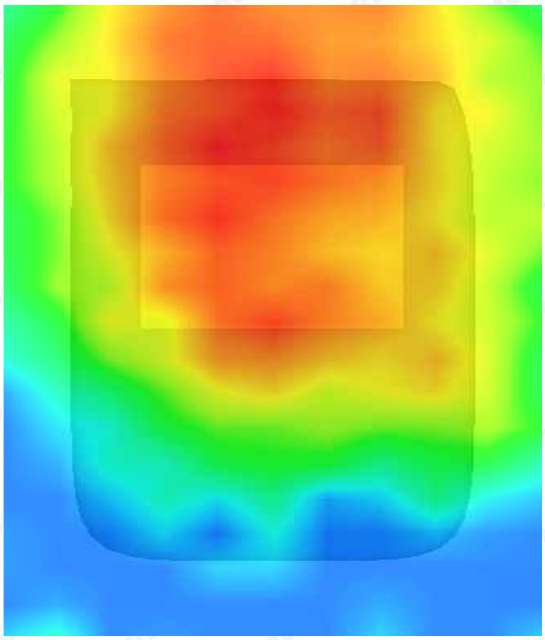
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-8.00, Y=40.00**
**SAR Peak: 0.05 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.023121 |
| **SAR 1g (W/Kg)** | 0.033608 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 31 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.26

Measurement duration: 9 minutes 26 seconds

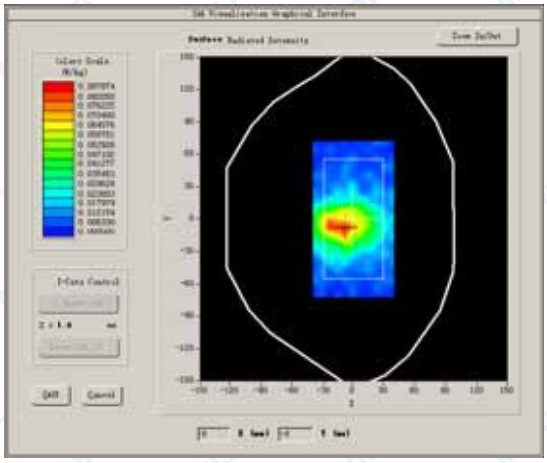
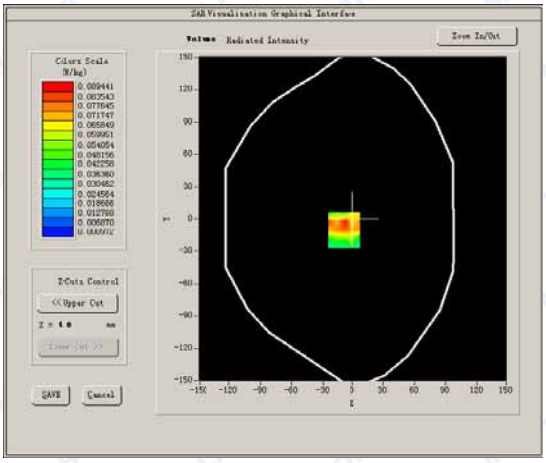
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | WCDMA850 |
| **Channels** | Middle |
| **Signal** | CDMA |

## B. SAR Measurement Results

Middle Band SAR (Channel 4182):

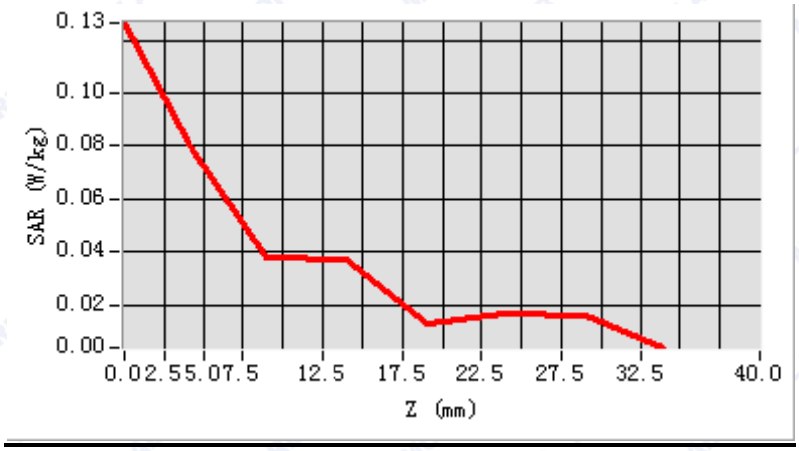
| | |
|---|---|
| **Frequency (MHz)** | 836.000000 |
| **Relative permittivity (real part)** | 55.691823 |
| **Conductivity (S/m)** | 0.973824 |
| **Power drift (%)** | 0.130000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.99 |
| **Crest factor:** | 1:1 |

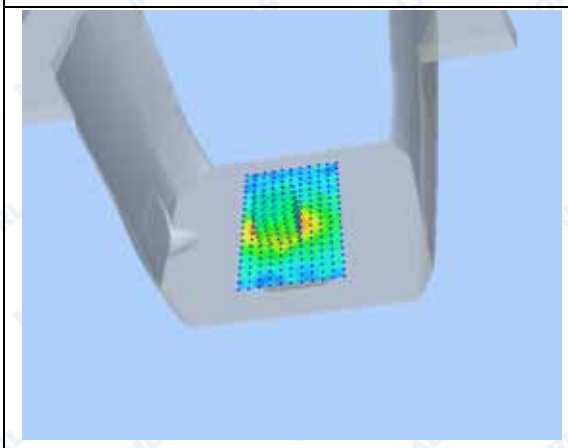
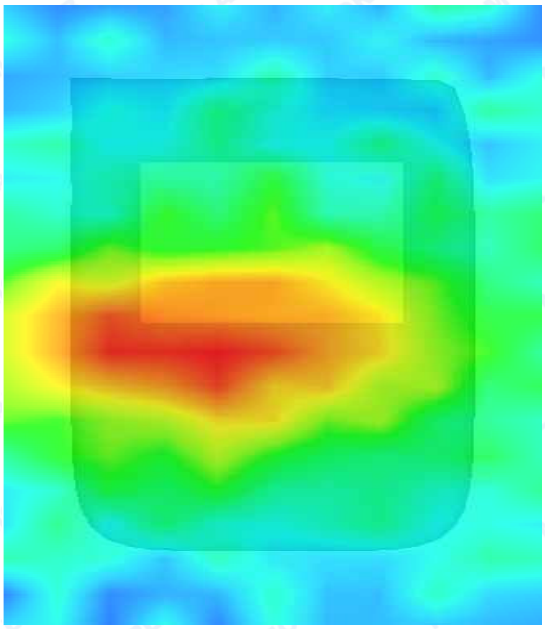
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-9.00, Y=-10.00**
**SAR Peak: 0.18 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.048248 |
| **SAR 1g (W/Kg)** | 0.088700 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 32 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.26

Measurement duration: 9 minutes 29 seconds

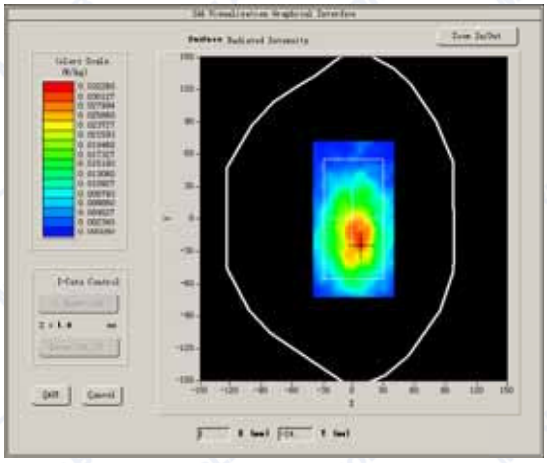
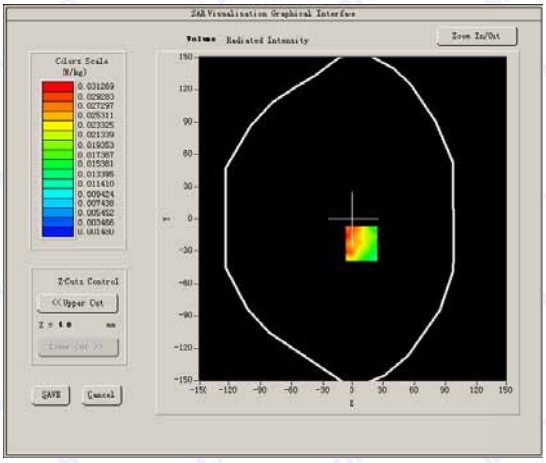
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | WCDMA850 |
| **Channels** | Middle |
| **Signal** | CDMA |

## B. SAR Measurement Results

Middle Band SAR (Channel 4182):

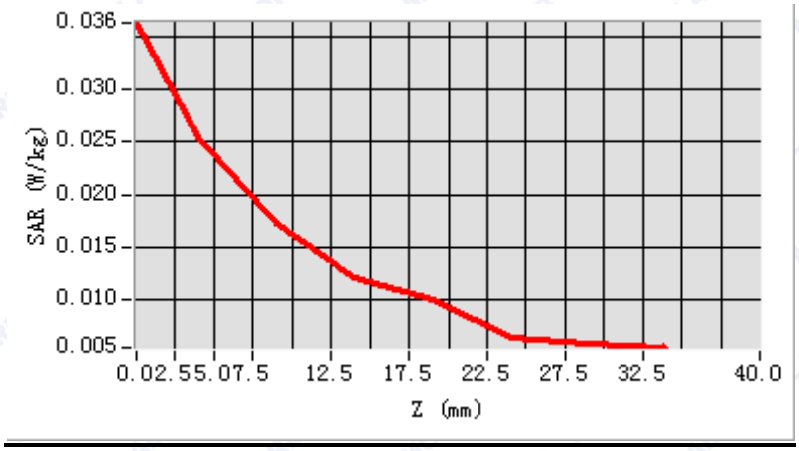
| | |
|---|---|
| **Frequency (MHz)** | 836.000000 |
| **Relative permittivity (real part)** | 55.691823 |
| **Conductivity (S/m)** | 0.973824 |
| **Power drift (%)** | 0.130000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.99 |
| **Crest factor:** | 1:1 |

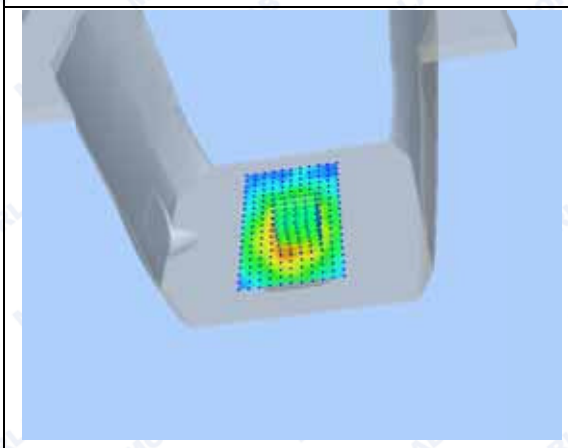
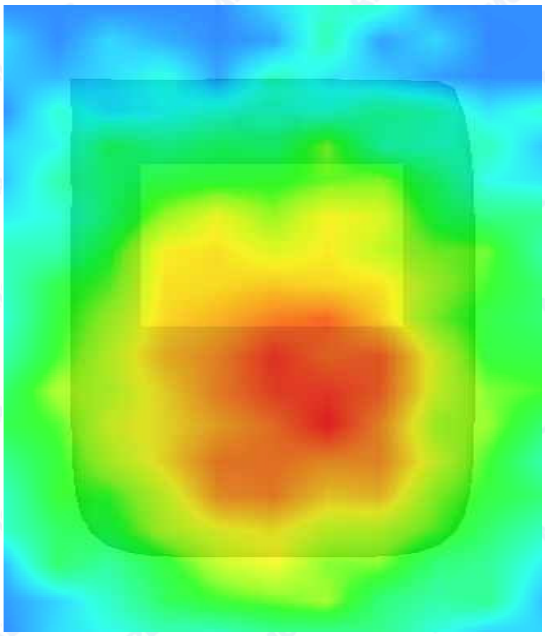
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=8.00, Y=-23.00**
**SAR Peak: 0.06 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.019833 |
| **SAR 1g (W/Kg)** | 0.030718 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 33 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.26

Measurement duration: 9 minutes 30 seconds

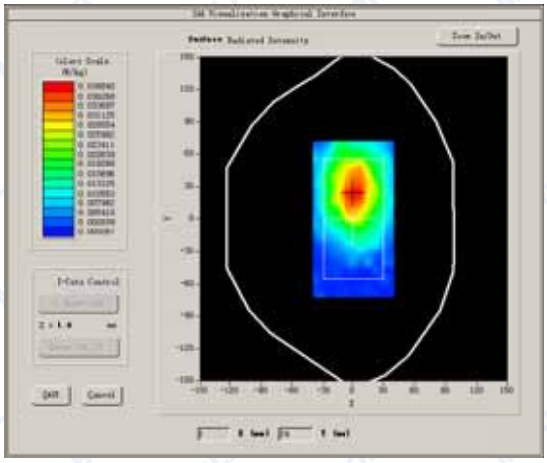
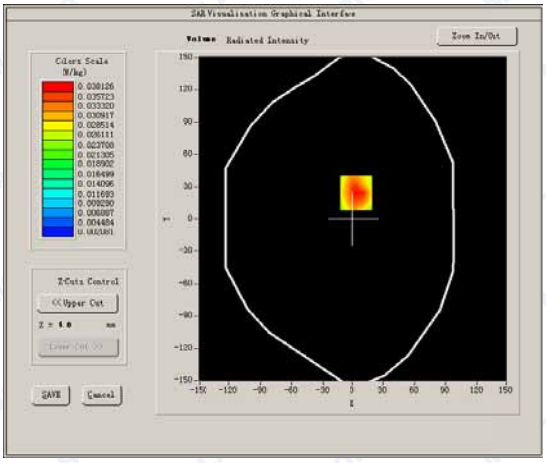
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | WCDMA850 |
| **Channels** | Middle |
| **Signal** | CDMA |

## B. SAR Measurement Results

Middle Band SAR (Channel 4182):

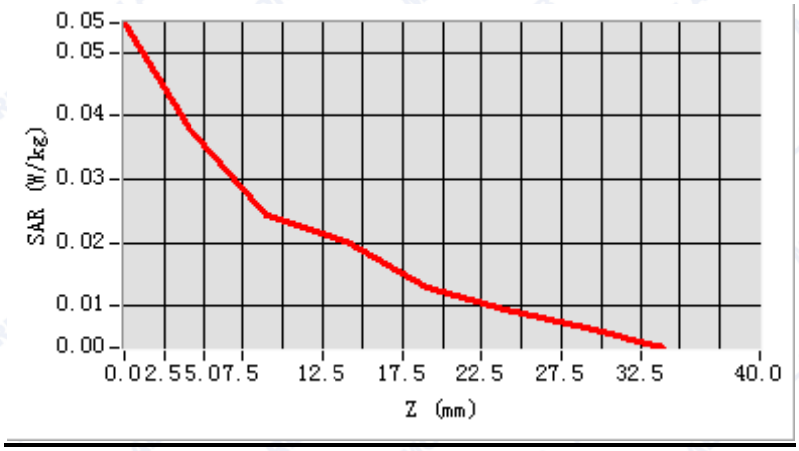
| | |
|---|---|
| **Frequency (MHz)** | 836.000000 |
| **Relative permittivity (real part)** | 55.691823 |
| **Conductivity (S/m)** | 0.973824 |
| **Power drift (%)** | 0.130000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.99 |
| **Crest factor:** | 1:1 |

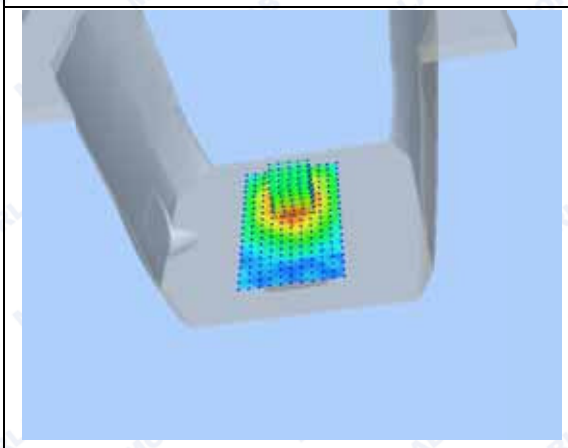
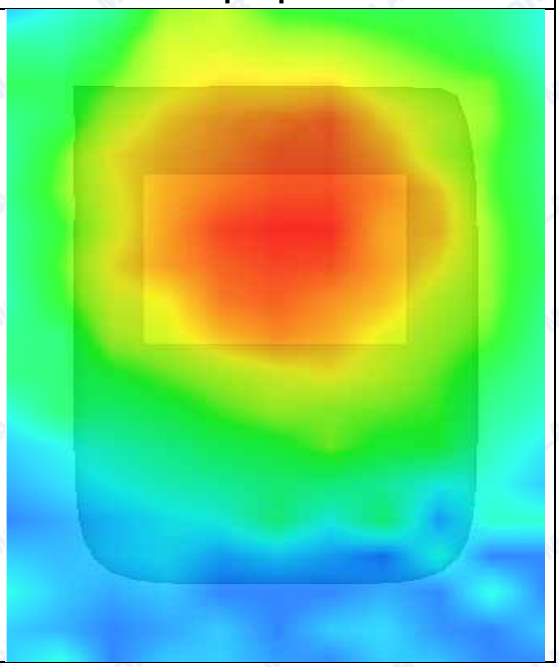
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=3.00, Y=24.00**
**SAR Peak: 0.07 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.026508 |
| **SAR 1g (W/Kg)** | 0.041384 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 34 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 6 seconds

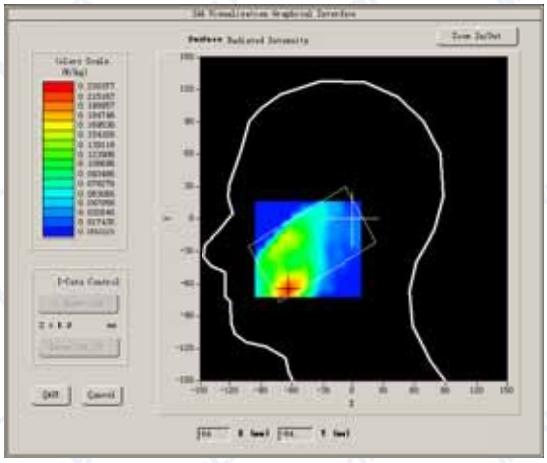
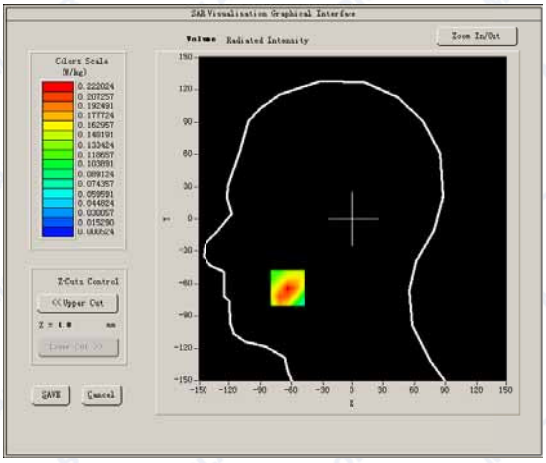
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Right head |
| **Device Position** | Cheek |
| **Band** | WCDMA1900 |
| **Channels** | Middle |
| **Signal** | CDMA |

## B. SAR Measurement Results

Middle Band SAR (Channel 9400):

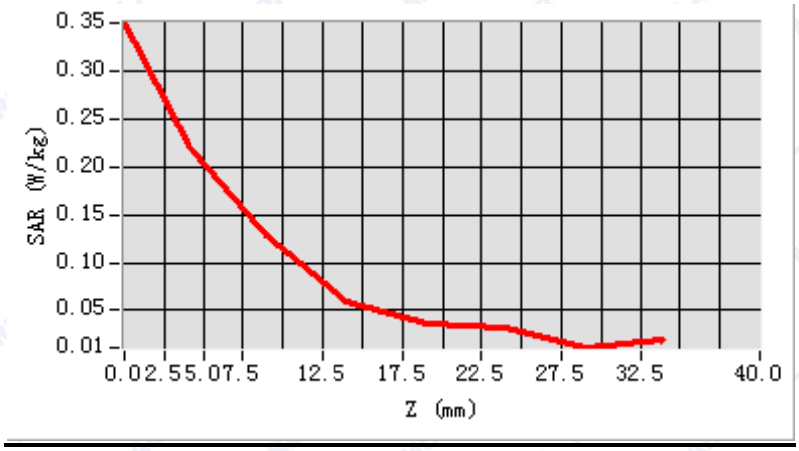
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 39.981672 |
| **Conductivity (S/m)** | 1.410935 |
| **Power drift (%)** | 2.090000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.00 |
| **Crest factor:** | 1:1 |

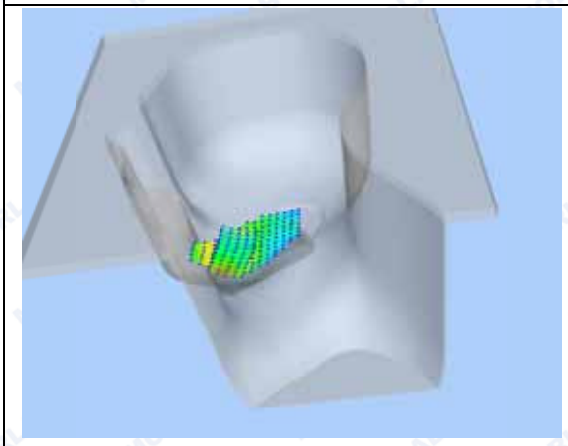
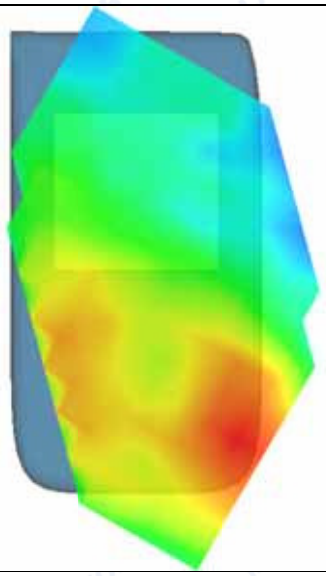
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-64.00, Y=-64.00**
**SAR Peak: 0.36 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.111975 |
| **SAR 1g (W/Kg)** | 0.210086 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 35 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 7 minutes 54 seconds

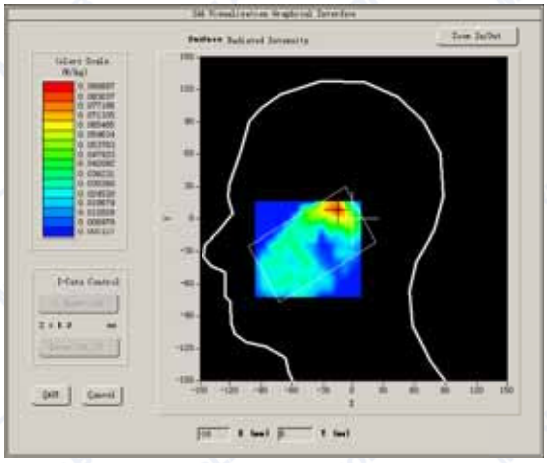
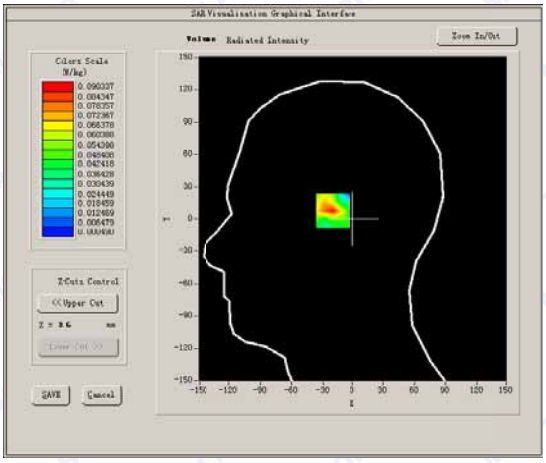
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Right head |
| **Device Position** | Tilt |
| **Band** | WCDMA1900 |
| **Channels** | Middle |
| **Signal** | CDMA |

## B. SAR Measurement Results

Middle Band SAR (Channel 9400):

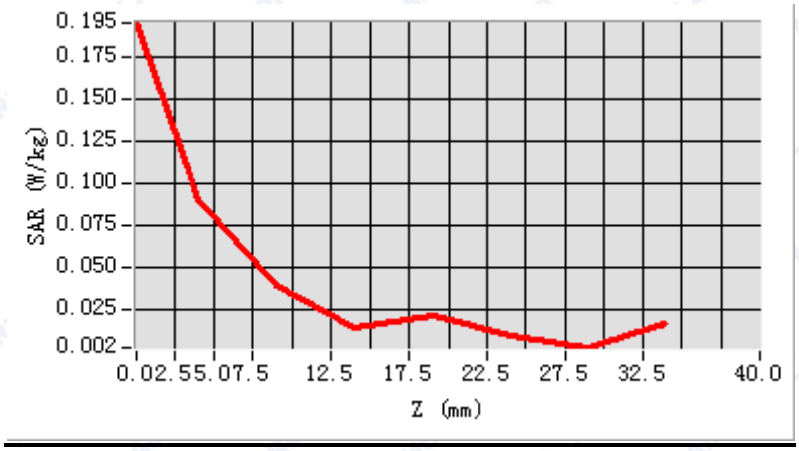
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 39.981672 |
| **Conductivity (S/m)** | 1.410935 |
| **Power drift (%)** | -2.710000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.00 |
| **Crest factor:** | 1:1 |

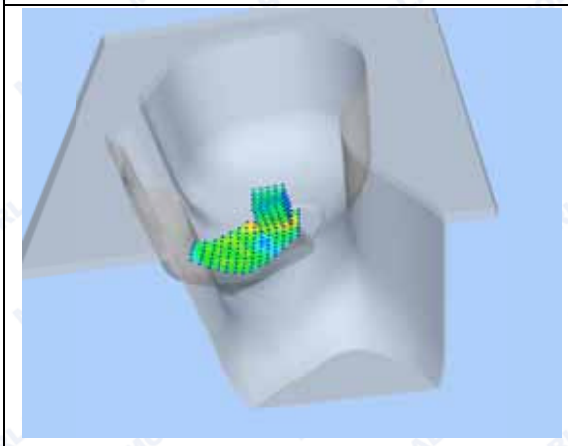
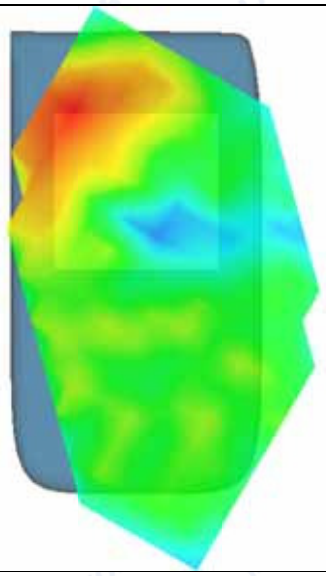
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-17.00, Y=9.00**
**SAR Peak: 0.19 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.040395 |
| **SAR 1g (W/Kg)** | 0.087716 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 36 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 37 seconds

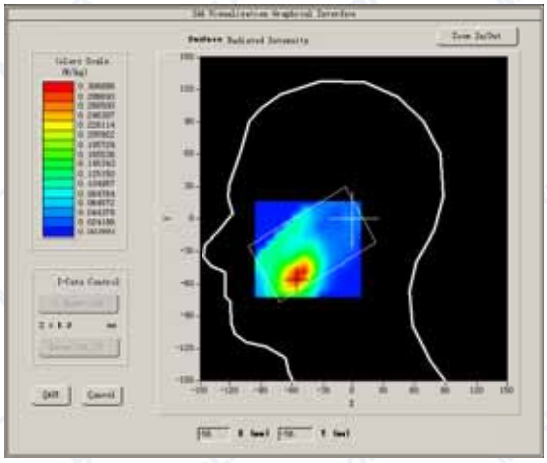
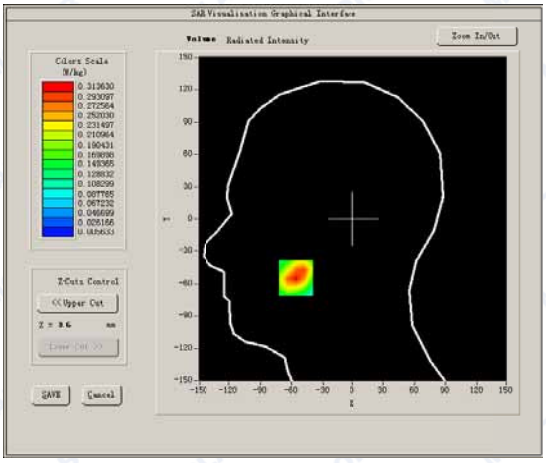
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Left head |
| **Device Position** | Cheek |
| **Band** | WCDMA1900 |
| **Channels** | Middle |
| **Signal** | CDMA |

## B. SAR Measurement Results

Middle Band SAR (Channel 9400):

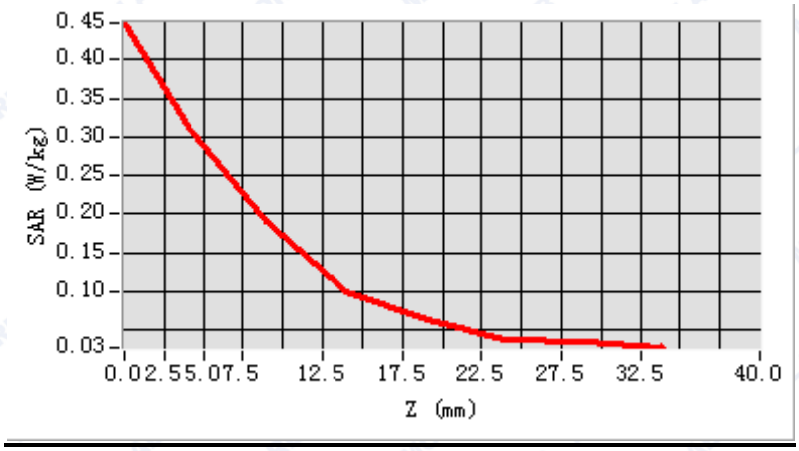
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 39.981672 |
| **Conductivity (S/m)** | 1.410935 |
| **Power drift (%)** | 1.240000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.00 |
| **Crest factor:** | 1:1 |

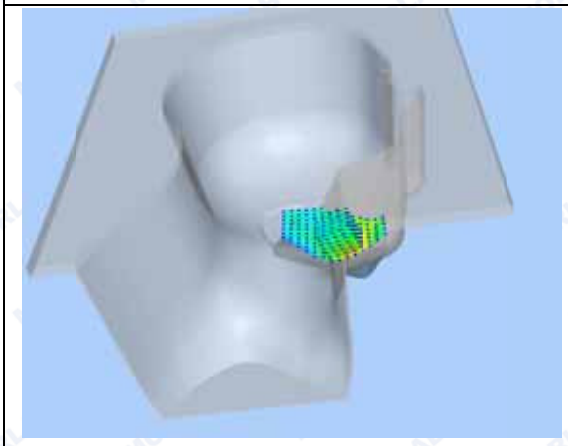
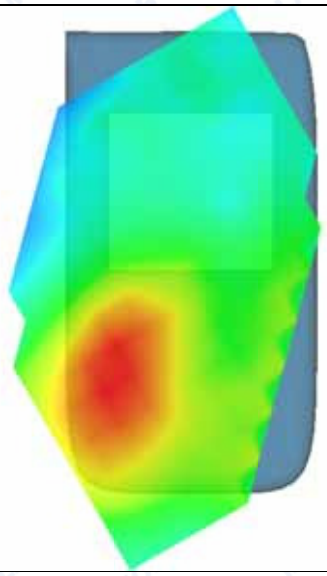
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-56.00, Y=-55.00**
**SAR Peak: 0.50 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.163211 |
| **SAR 1g (W/Kg)** | 0.297301 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 37 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 7 minutes 51 seconds

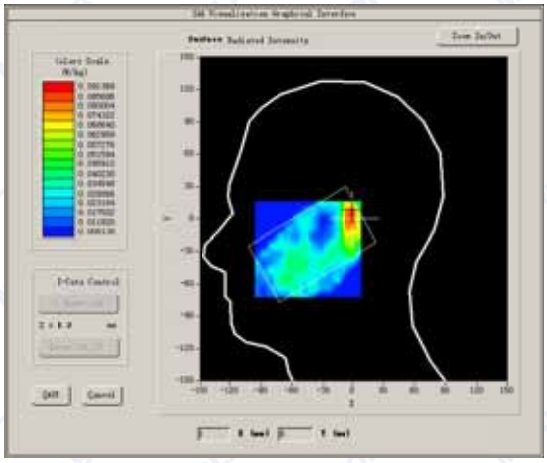
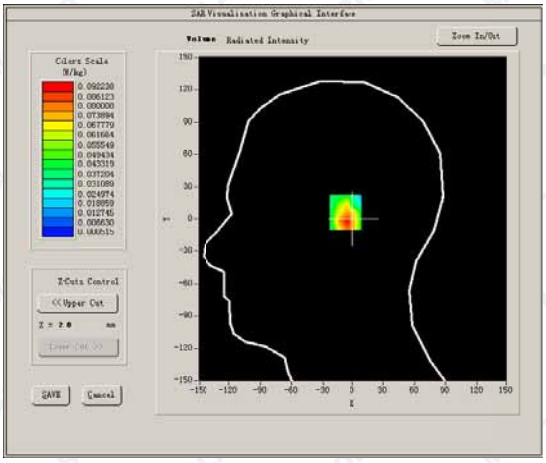
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Left head |
| **Device Position** | Tilt |
| **Band** | WCDMA1900 |
| **Channels** | Middle |
| **Signal** | CDMA |

## B. SAR Measurement Results

Middle Band SAR (Channel 9400):

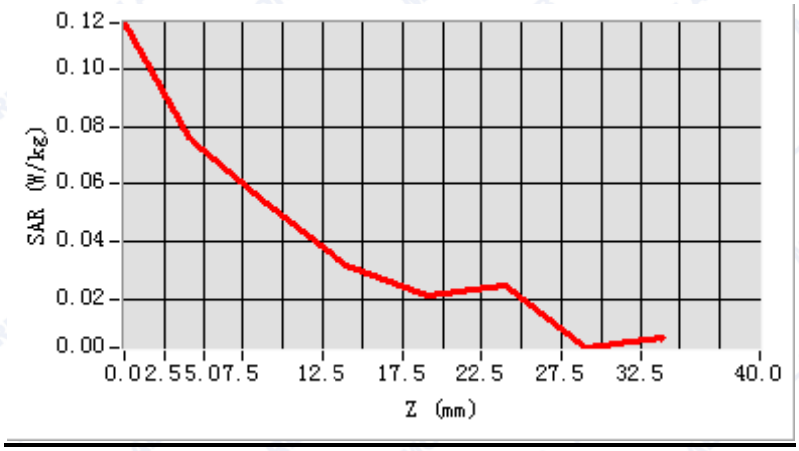
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 39.981672 |
| **Conductivity (S/m)** | 1.410935 |
| **Power drift (%)** | 3.480000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.00 |
| **Crest factor:** | 1:1 |

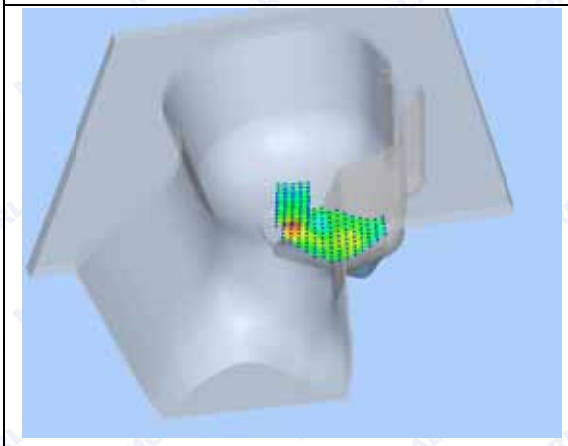
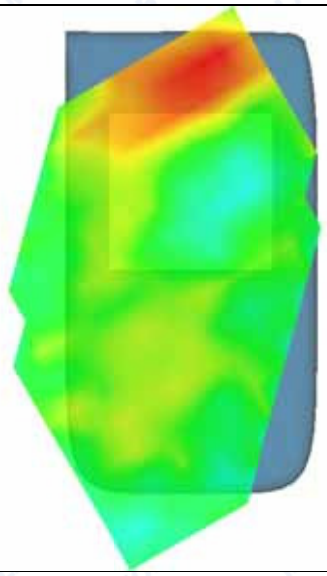
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-1.00, Y=6.00**
**SAR Peak: 0.18 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.046807 |
| **SAR 1g (W/Kg)** | 0.091567 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 38 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 29 seconds

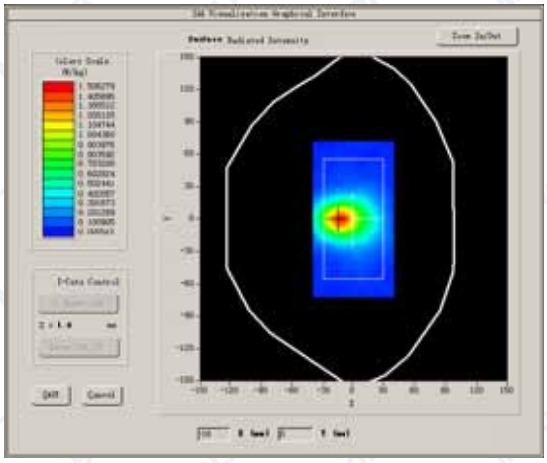
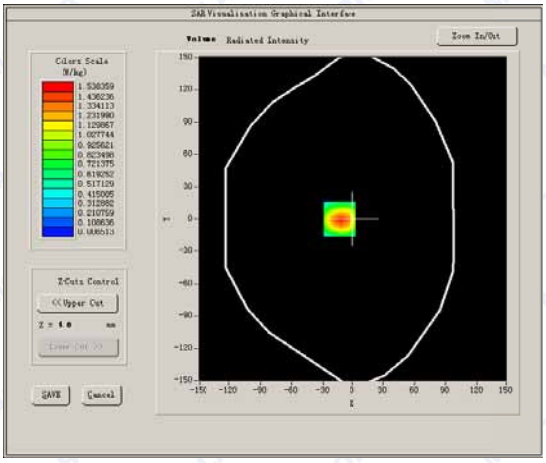
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | WCDMA1900 |
| **Channels** | Low |
| **Signal** | CDMA |

## B. SAR Measurement Results

Low Band SAR (Channel 9262):

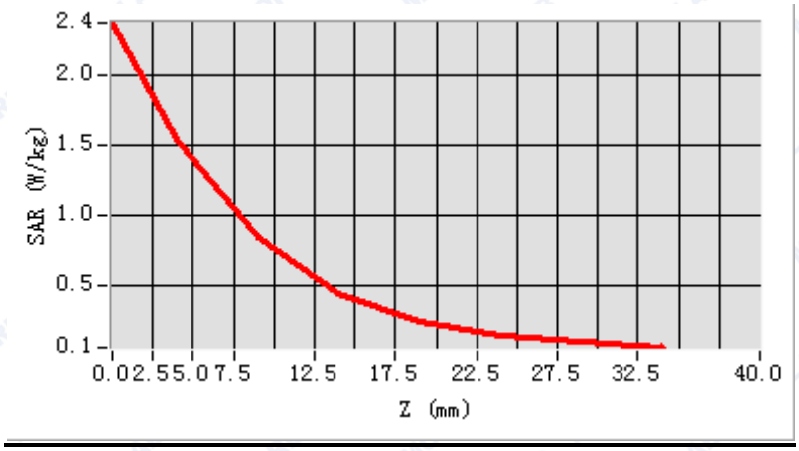
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | 1.400000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

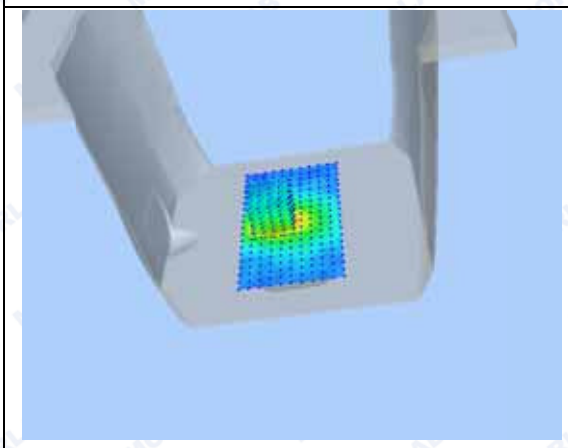
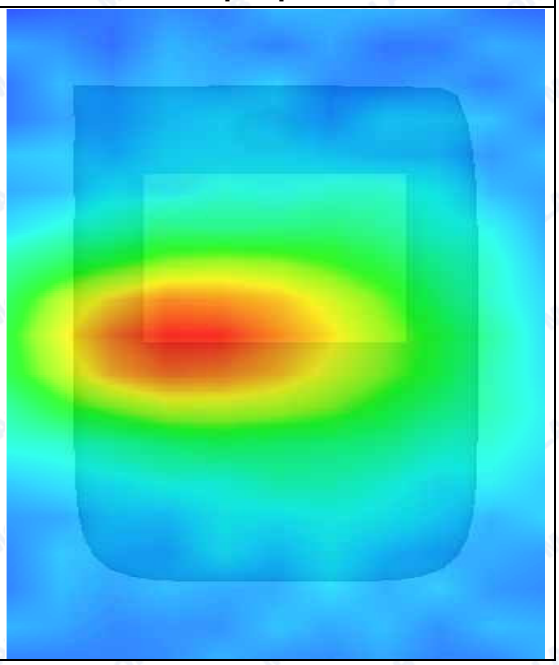
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-13.00, Y=0.00**
**SAR Peak: 2.60 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.676541 |
| **SAR 1g (W/Kg)** | 1.228298 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 39 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 31 seconds

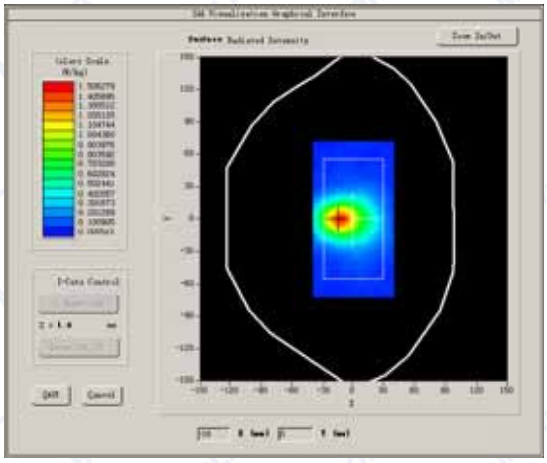
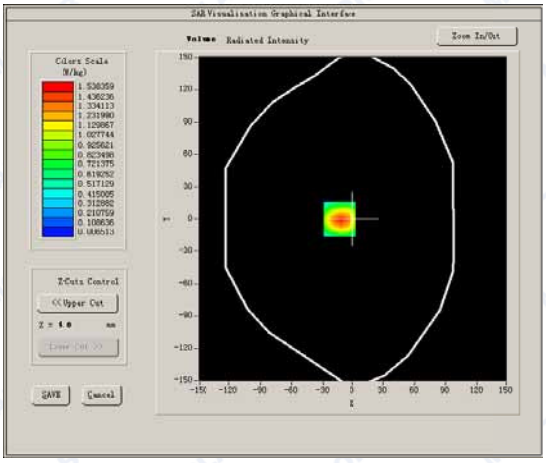
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | WCDMA1900 |
| **Channels** | Middle |
| **Signal** | CDMA |

## B. SAR Measurement Results

Middle Band SAR (Channel 9400):

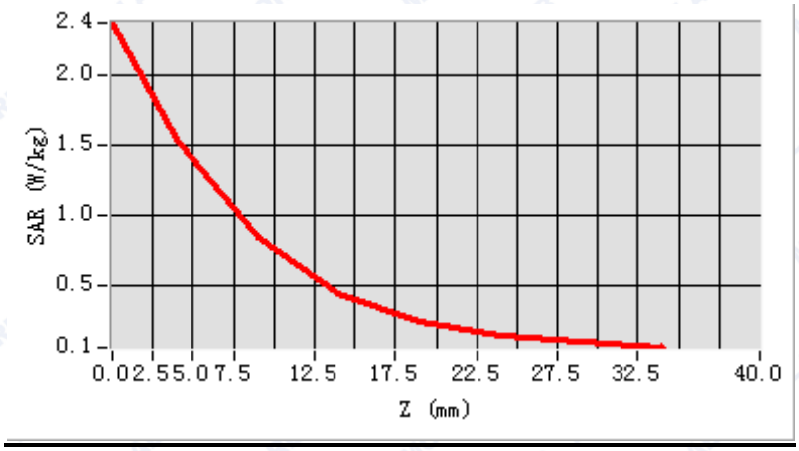
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

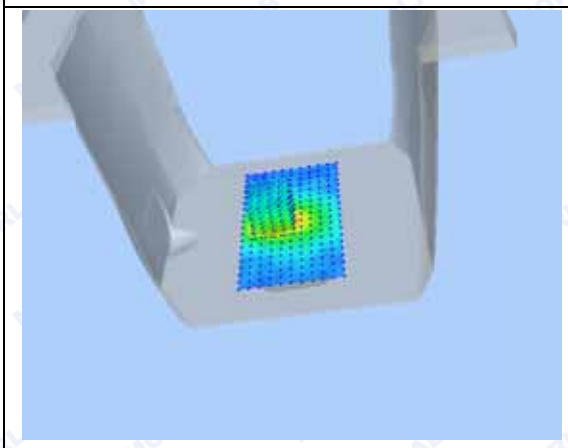
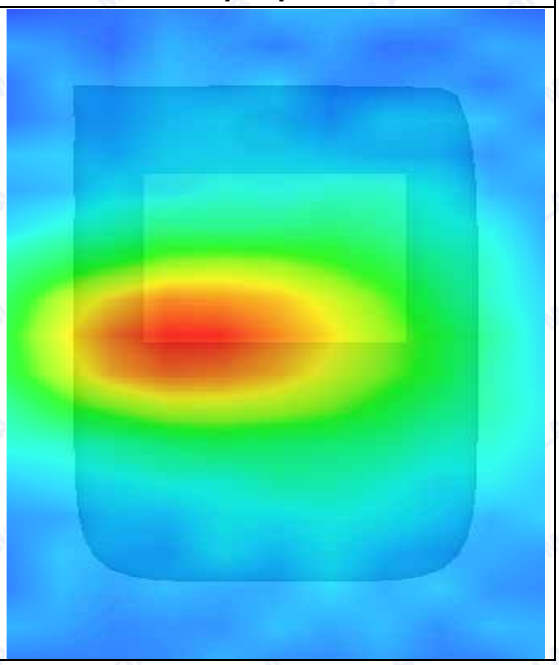
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-13.00, Y=0.00**
**SAR Peak: 2.60 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.784412 |
| **SAR 1g (W/Kg)** | 1.251277 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 40 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 30 seconds

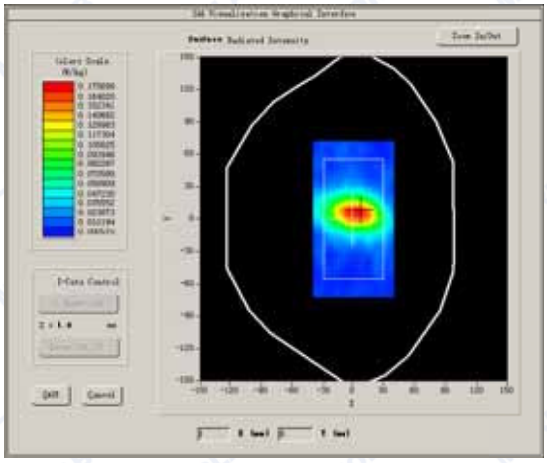
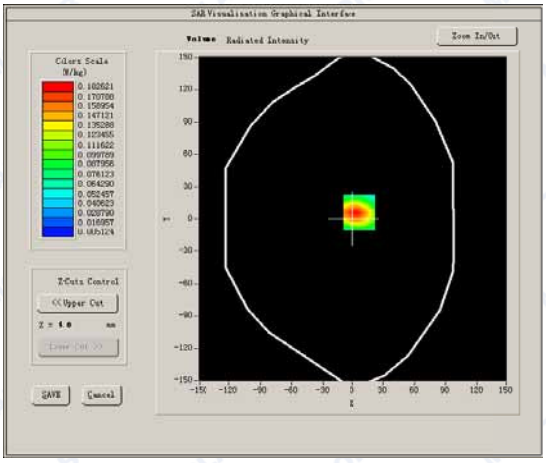
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | WCDMA1900 |
| **Channels** | High |
| **Signal** | CDMA |

## B. SAR Measurement Results

High Band SAR (Channel 9538):

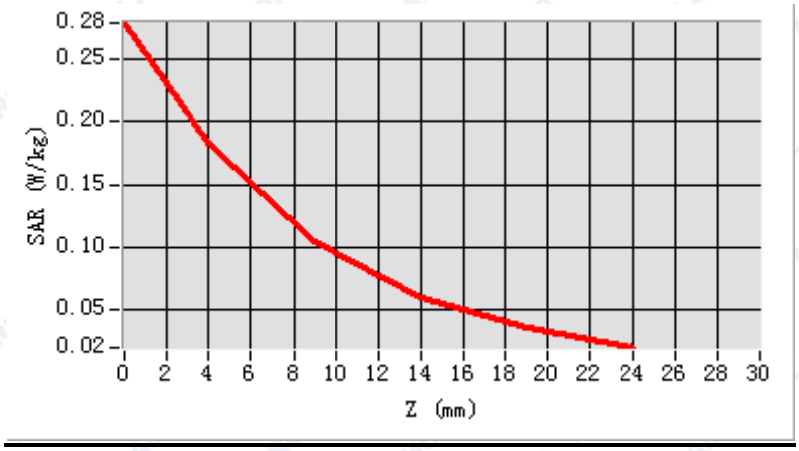
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

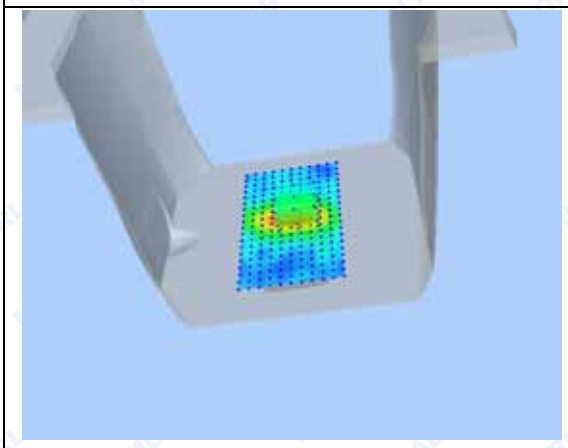
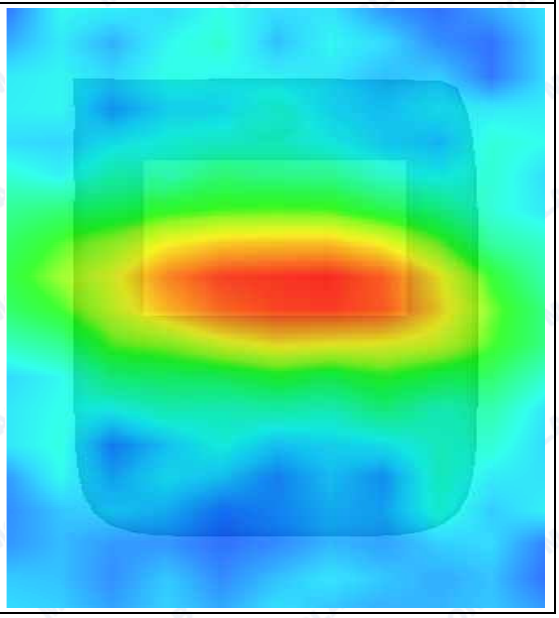
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=6.00, Y=6.00**
**SAR Peak: 0.29 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.593306 |
| **SAR 1g (W/Kg)** | 1.058877 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 41 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 31 seconds

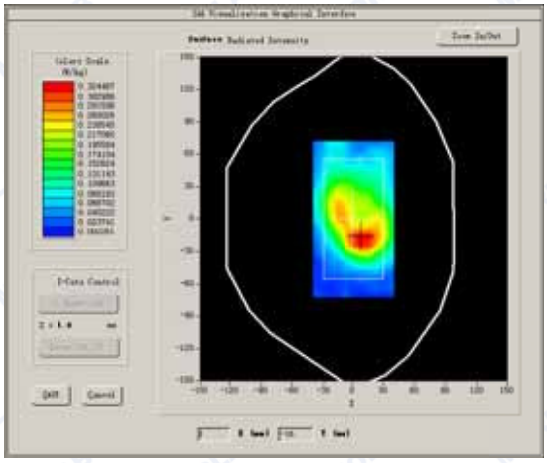
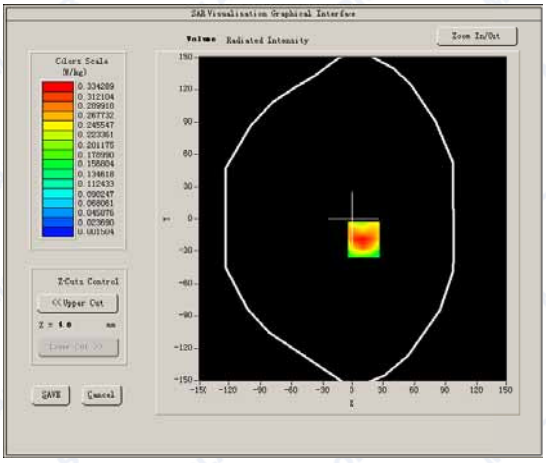
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | WCDMA1900 |
| **Channels** | Middle |
| **Signal** | CDMA |

## B. SAR Measurement Results

Middle Band SAR (Channel 9400):

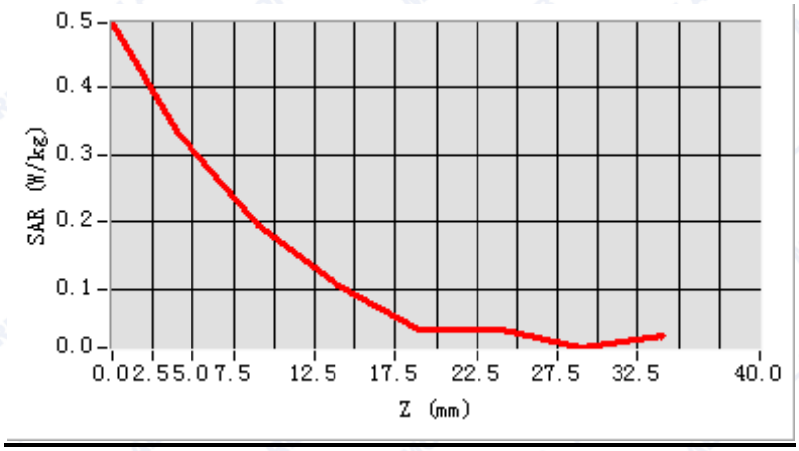
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

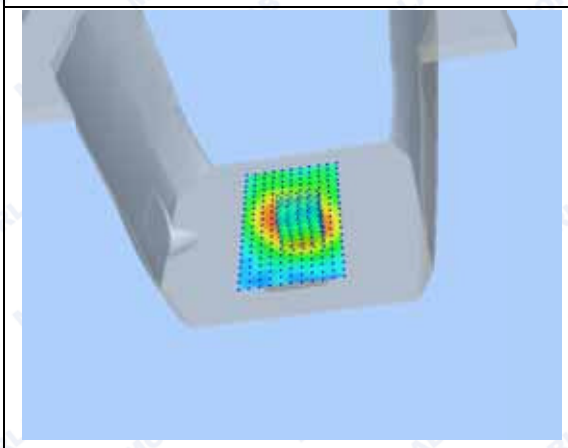
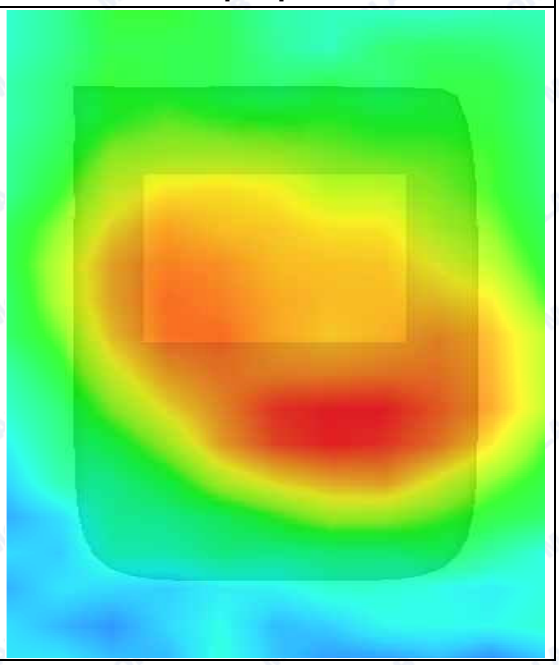
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=10.00, Y=-19.00**
**SAR Peak: 0.58 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.183828 |
| **SAR 1g (W/Kg)** | 0.346108 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 42 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 29 seconds

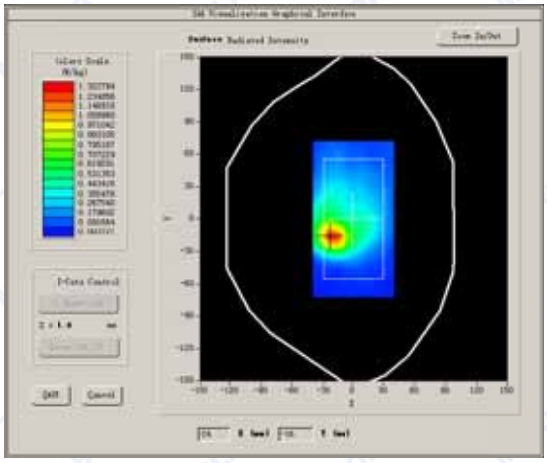
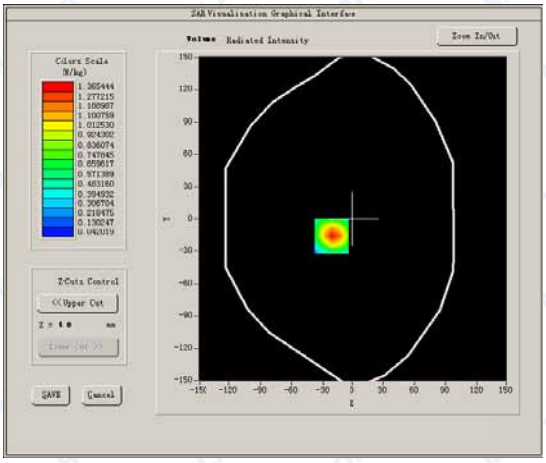
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | WCDMA1900 |
| **Channels** | Low |
| **Signal** | CDMA |

## B. SAR Measurement Results

Low Band SAR (Channel 9262):

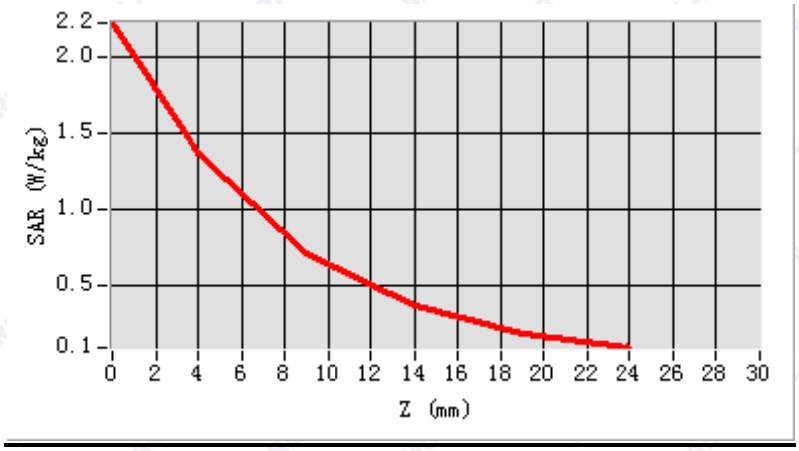
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

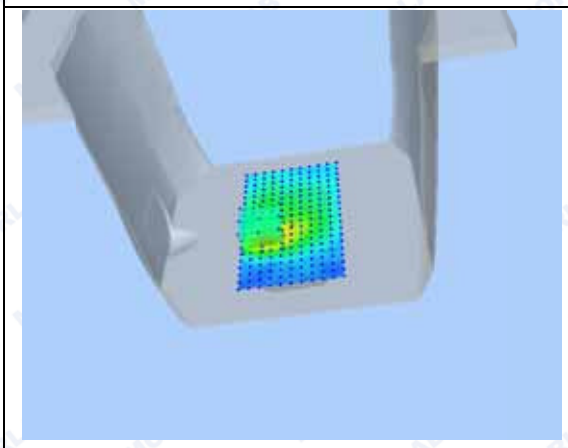
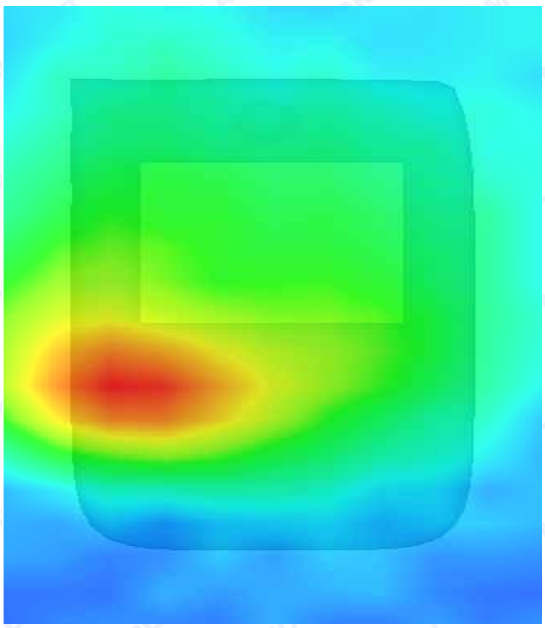
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-22.00, Y=-16.00**
**SAR Peak: 2.44 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.782324 |
| **SAR 1g (W/Kg)** | 1.313904 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 43 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 31 seconds

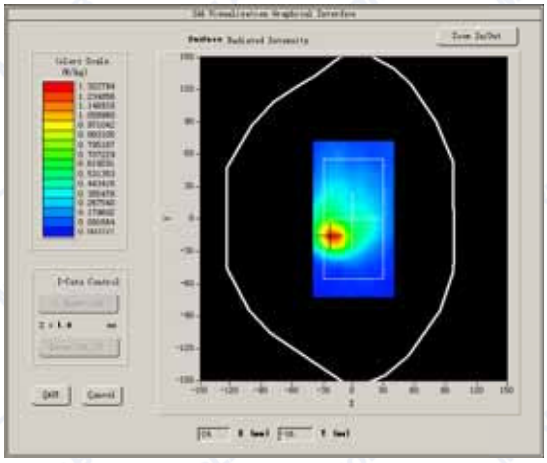
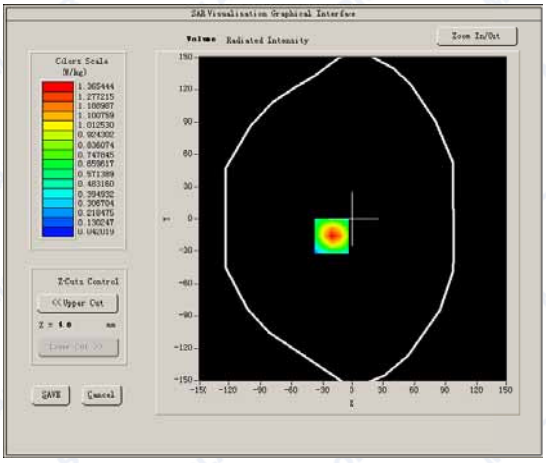
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | WCDMA1900 |
| **Channels** | Middle |
| **Signal** | CDMA |

## B. SAR Measurement Results

Middle Band SAR (Channel 9400):

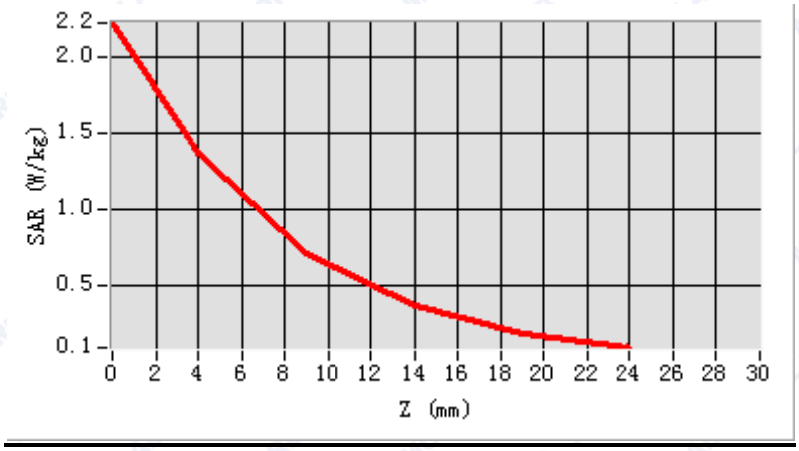
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

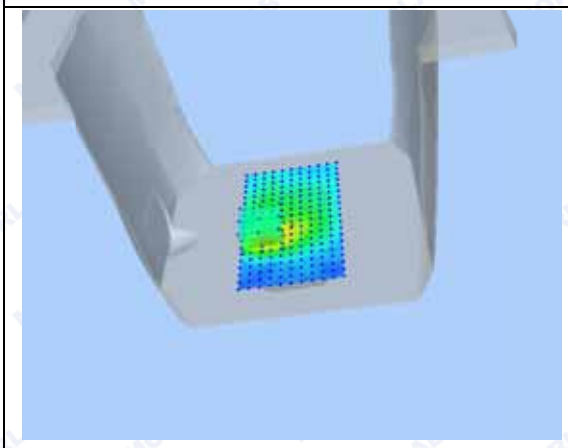
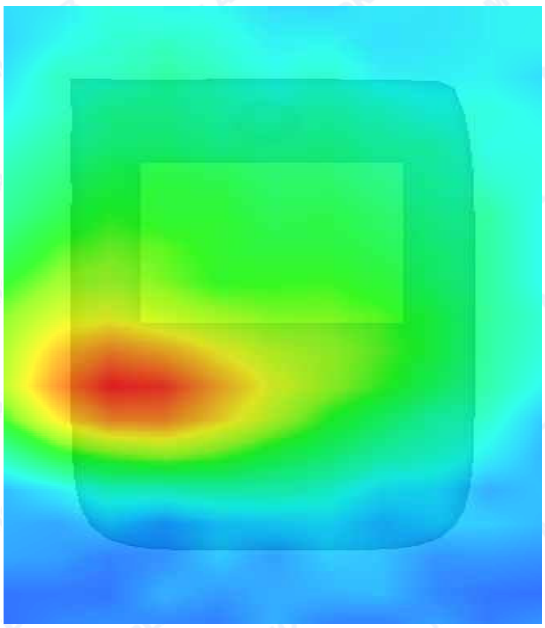
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-22.00, Y=-16.00**
**SAR Peak: 2.44 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.656001 |
| **SAR 1g (W/Kg)** | 1.357976 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 44 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 31 seconds

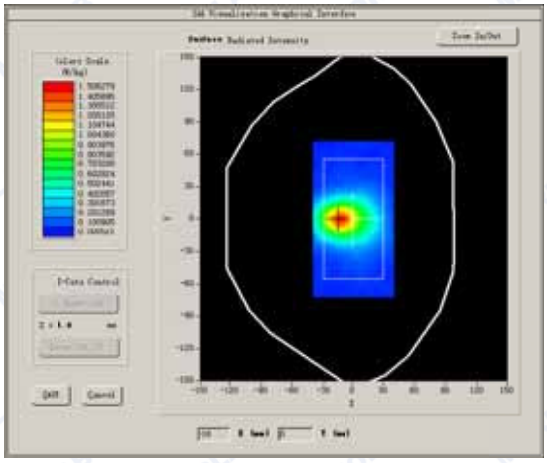
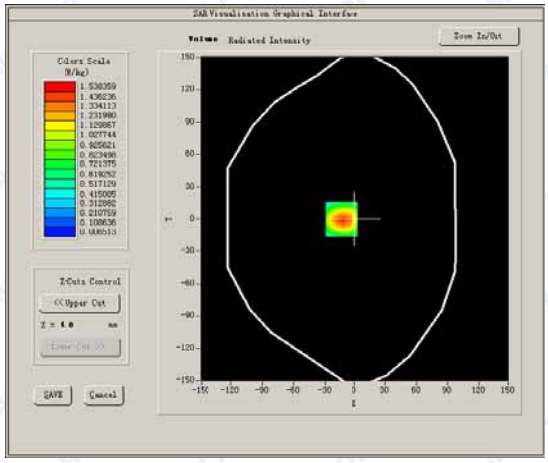
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | WCDMA1900 |
| **Channels** | High |
| **Signal** | CDMA |

## B. SAR Measurement Results

High Band SAR (Channel 9538):

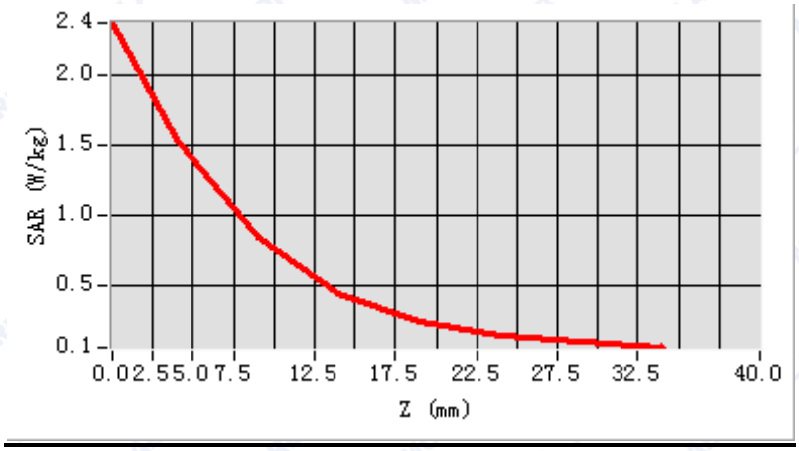
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

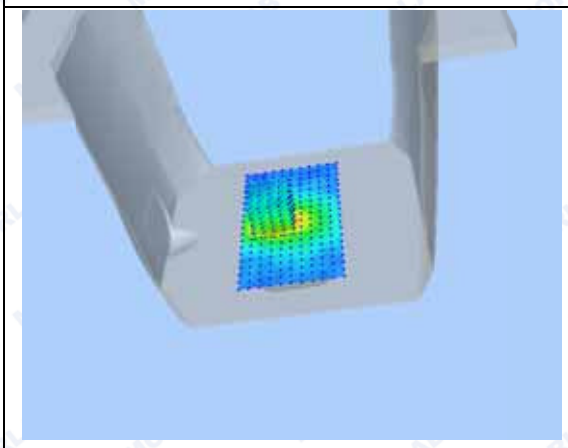
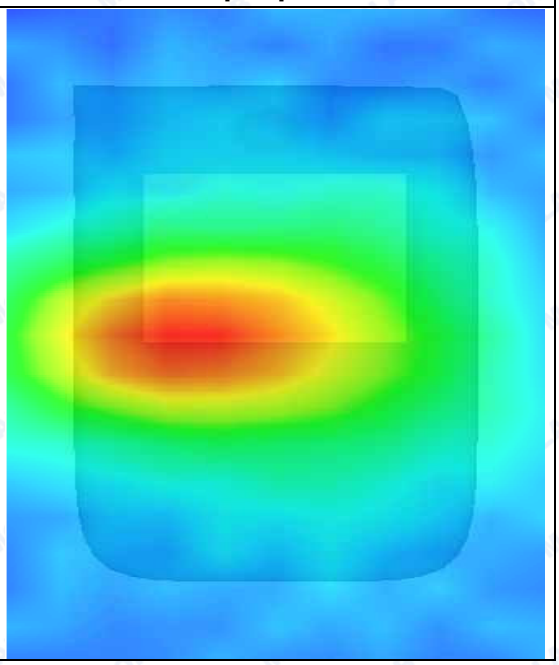
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-13.00, Y=0.00**
**SAR Peak: 2.60 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.645941 |
| **SAR 1g (W/Kg)** | 1.208113 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 45 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 31 seconds

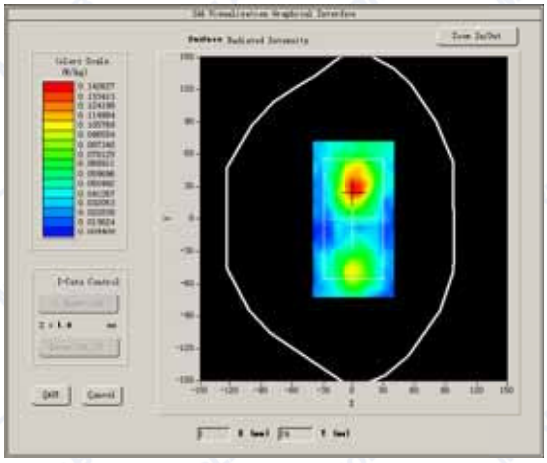
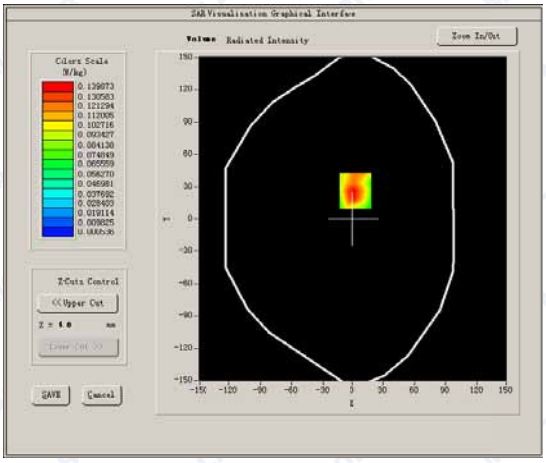
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | WCDMA1900 |
| **Channels** | Middle |
| **Signal** | CDMA |

## B. SAR Measurement Results

Middle Band SAR (Channel 9400):

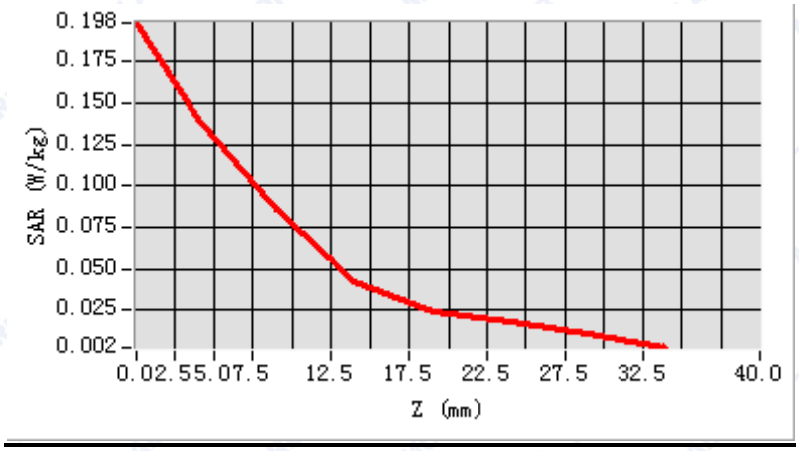
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

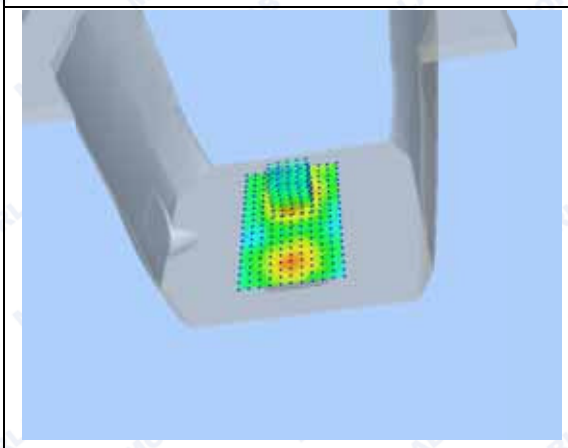
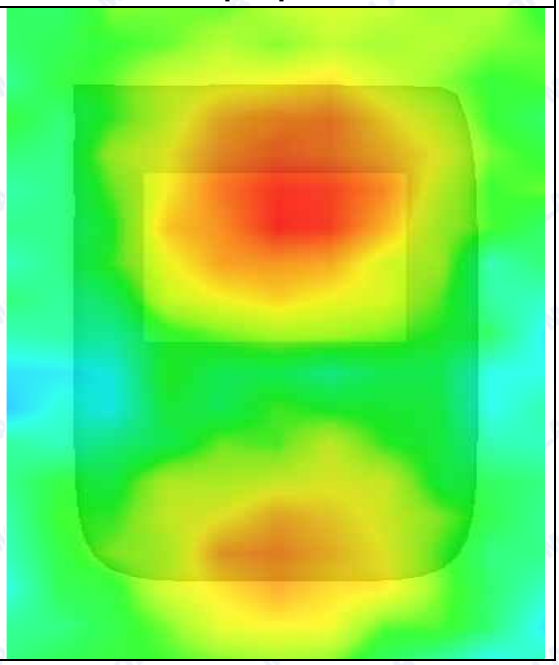
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=2.00, Y=26.00**
**SAR Peak: 0.29 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.080415 |
| **SAR 1g (W/Kg)** | 0.155199 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 46 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 31 seconds

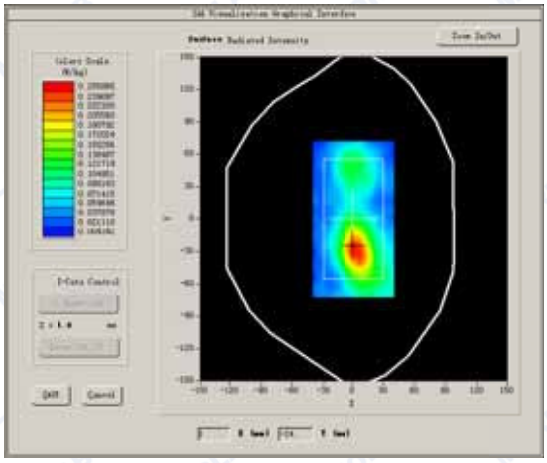
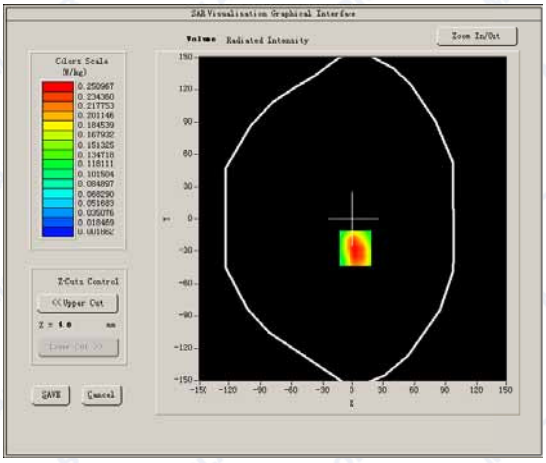
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | WCDMA1900 |
| **Channels** | Middle |
| **Signal** | CDMA |

## B. SAR Measurement Results

Middle Band SAR (Channel 9400):

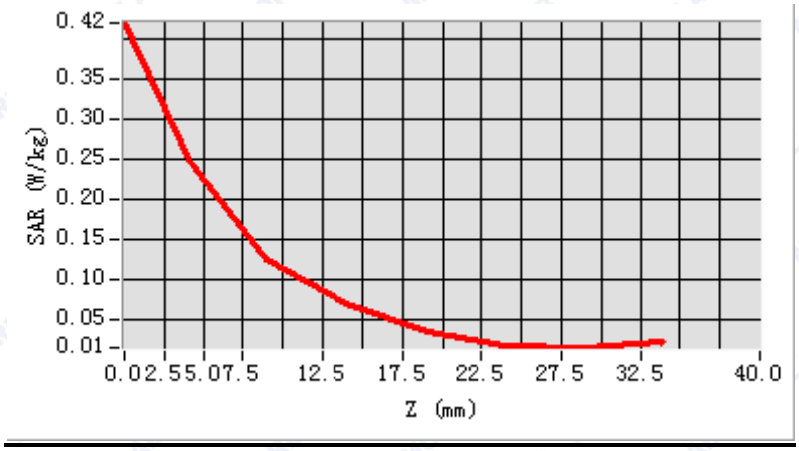
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

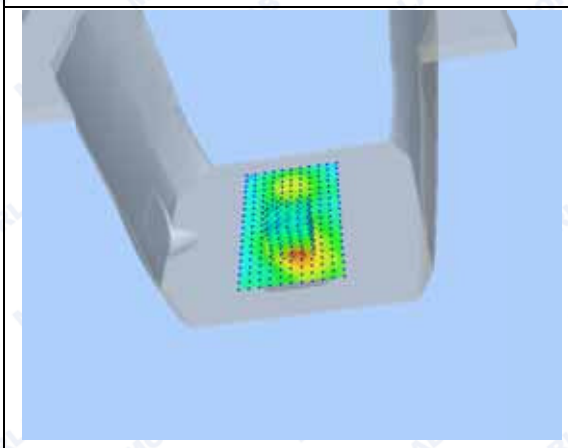
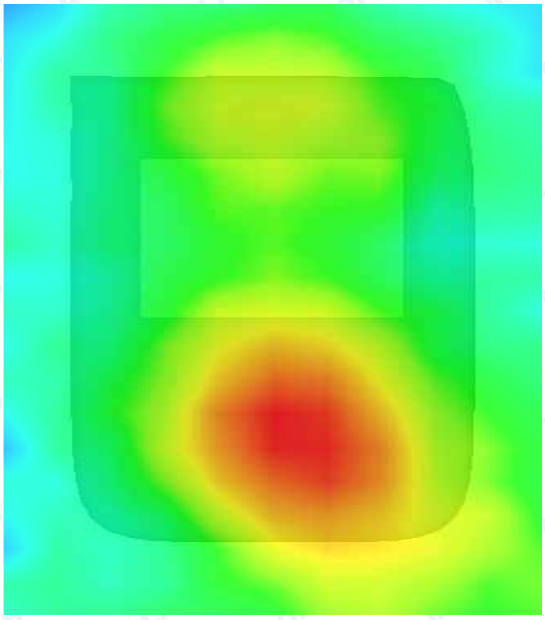
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=2.00, Y=-27.00**
**SAR Peak: 0.48 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.136689 |
| **SAR 1g (W/Kg)** | 0.266514 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 47 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.26

Measurement duration: 9 minutes 18 seconds

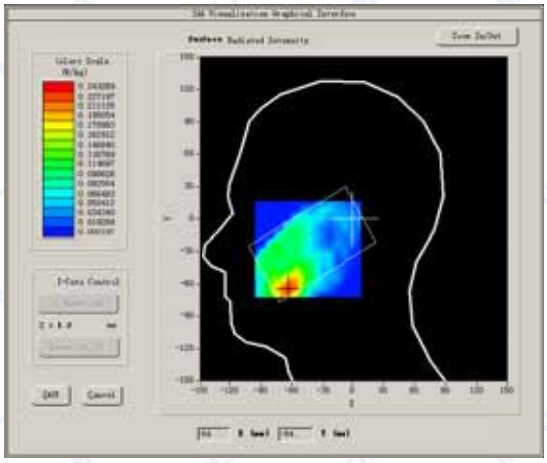
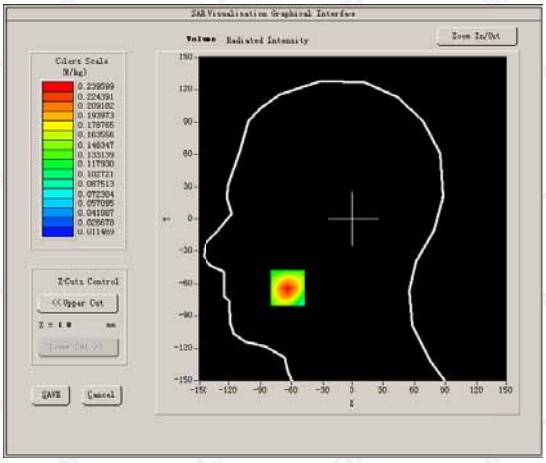
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Right head |
| **Device Position** | Cheek |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 18900):

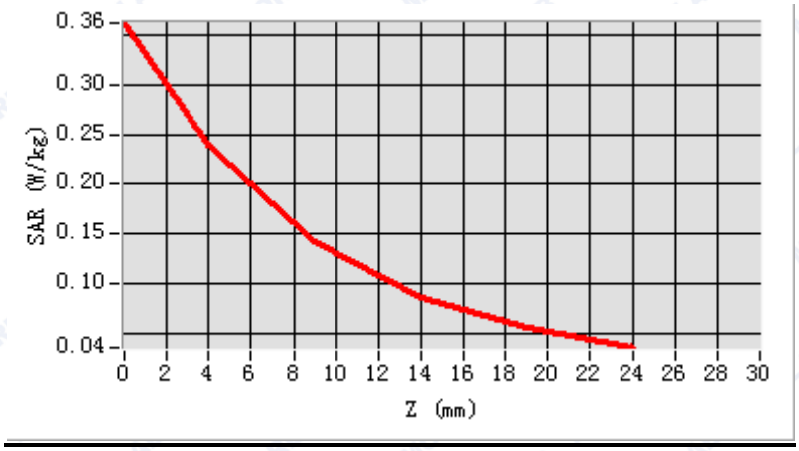
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

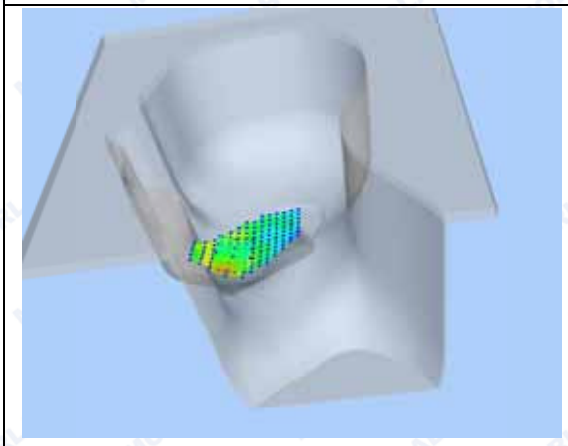
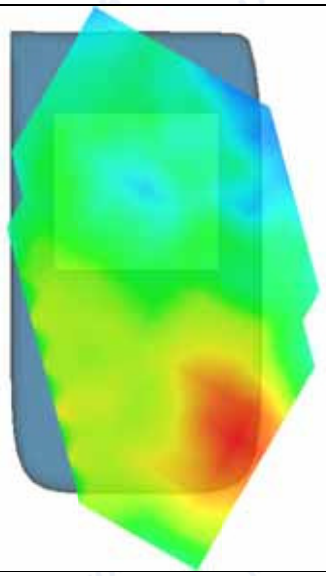
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-64.00, Y=-64.00**
**SAR Peak: 0.36 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.127740 |
| **SAR 1g (W/Kg)** | 0.224892 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 48 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.26

Measurement duration: 8 minutes 14 seconds

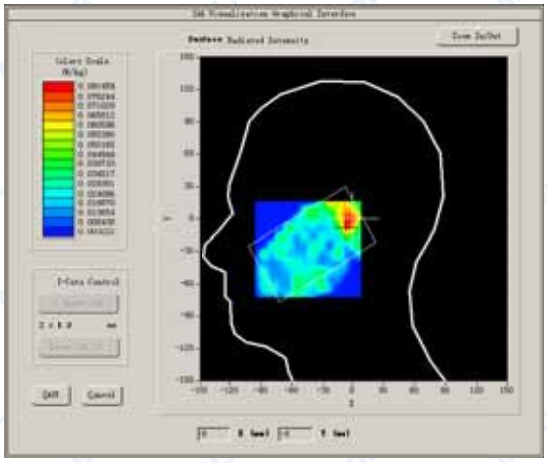
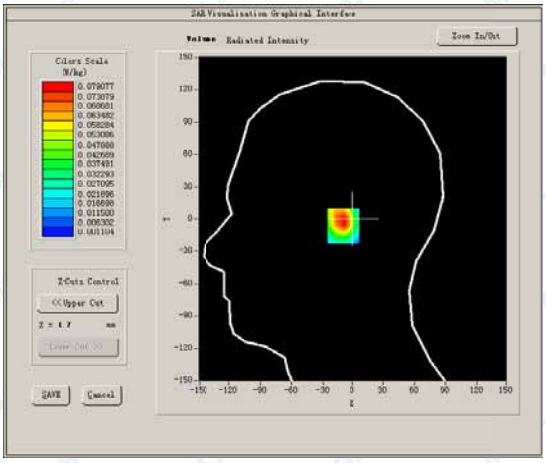
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Right head |
| **Device Position** | Tilt |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 18900):

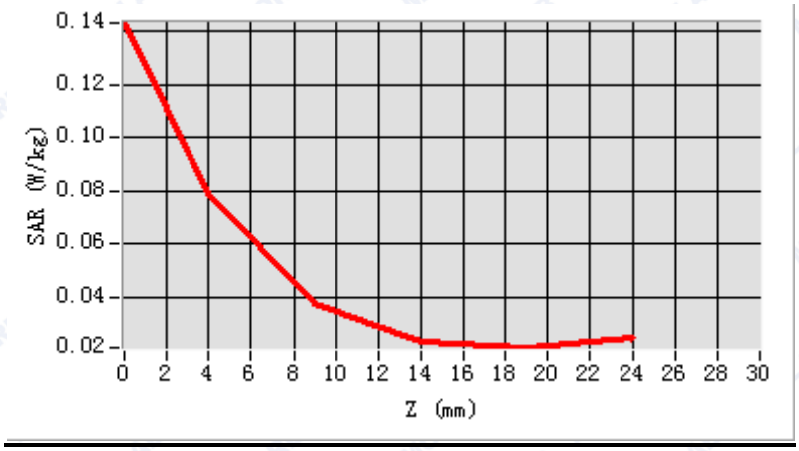
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

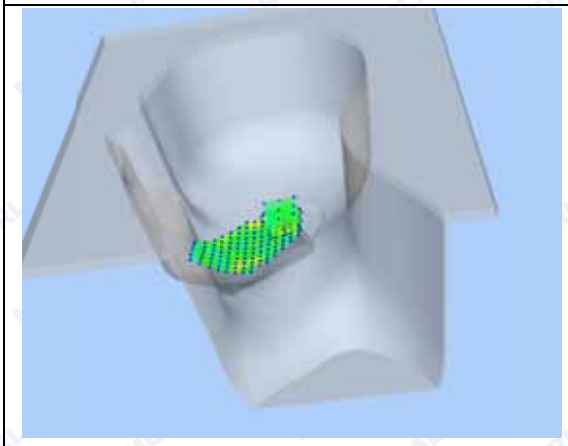
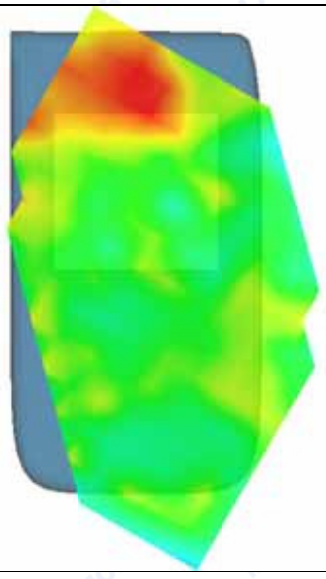
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-5.00, Y=-6.00**
**SAR Peak: 0.15 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.042099 |
| **SAR 1g (W/Kg)** | 0.077991 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 49 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.26

Measurement duration: 8 minutes 57 seconds

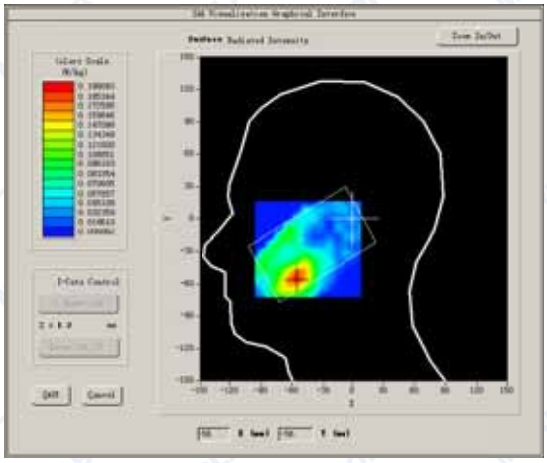
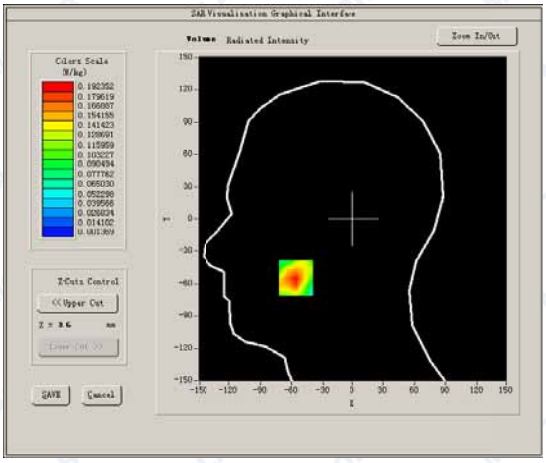
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Left head |
| **Device Position** | Cheek |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 18900):

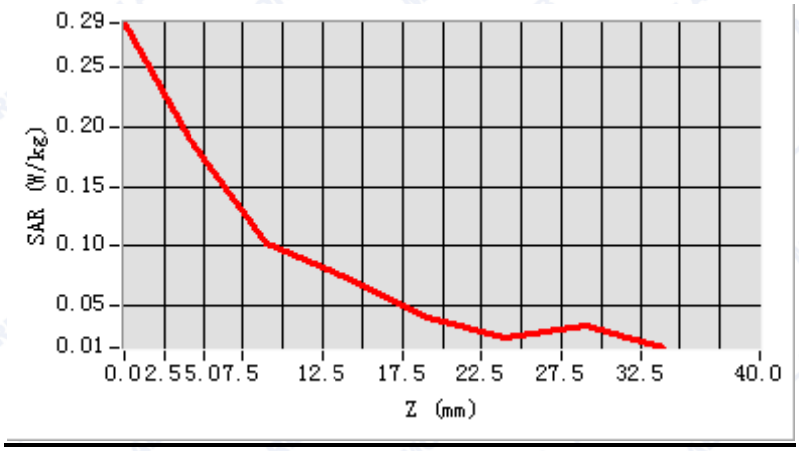
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

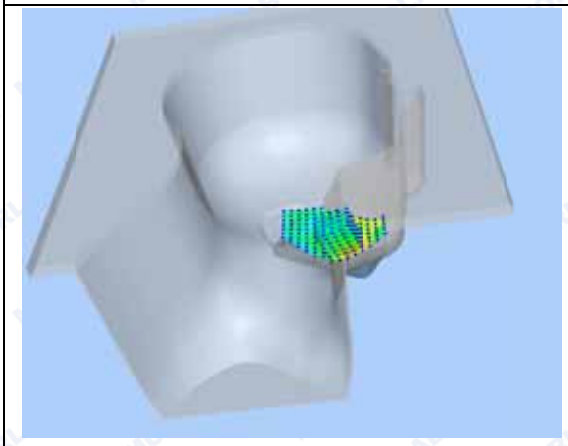
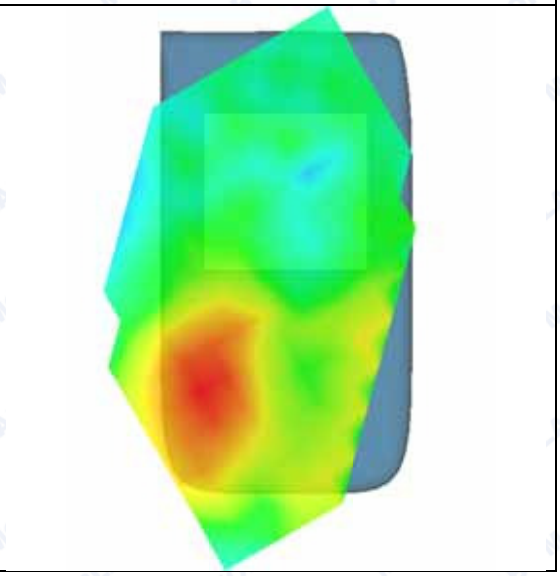
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-56.00, Y=-55.00**
**SAR Peak: 0.34 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.098383 |
| **SAR 1g (W/Kg)** | 0.183977 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 50 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.26

Measurement duration: 8 minutes 20 seconds

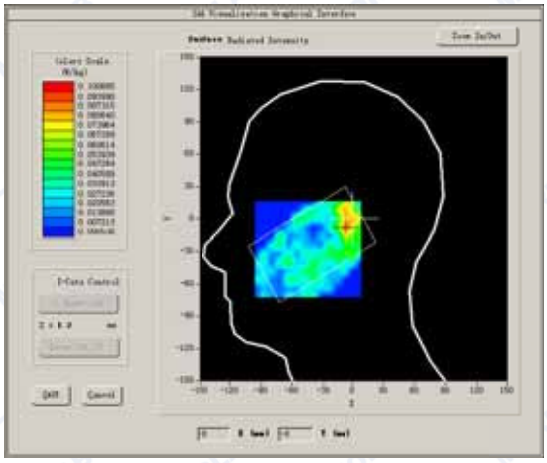
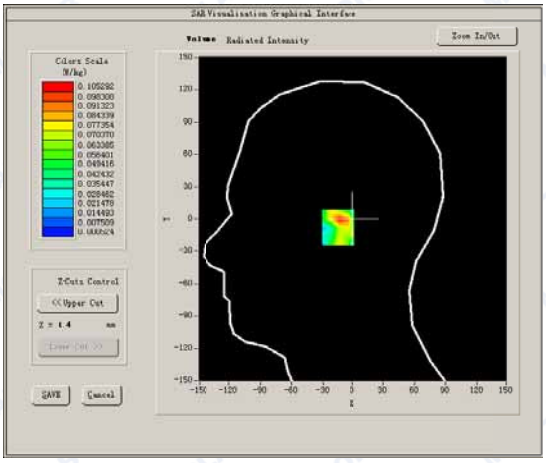
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Left head |
| **Device Position** | Tilt |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 18900):

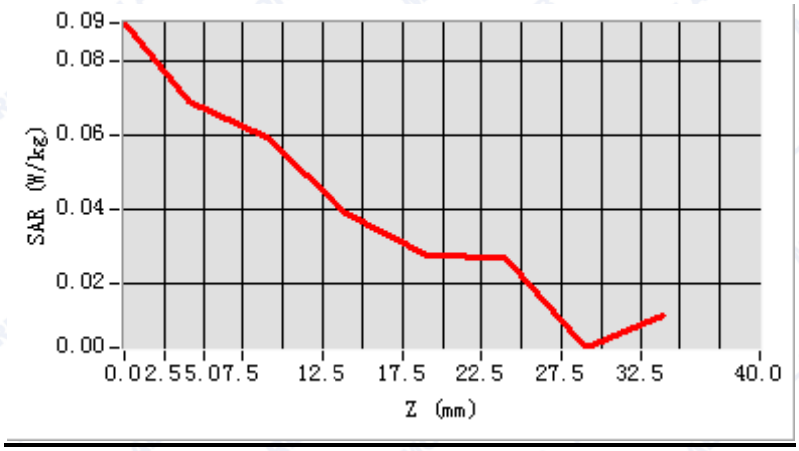
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

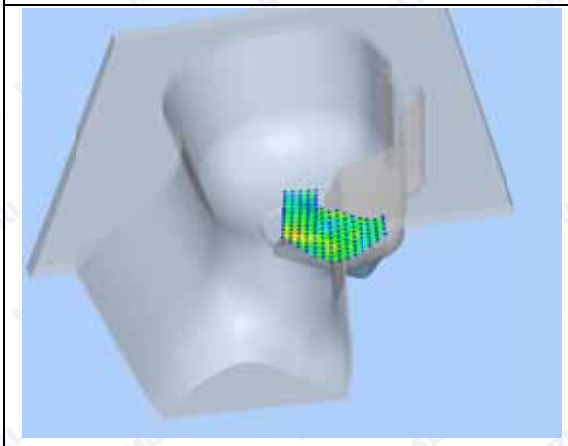
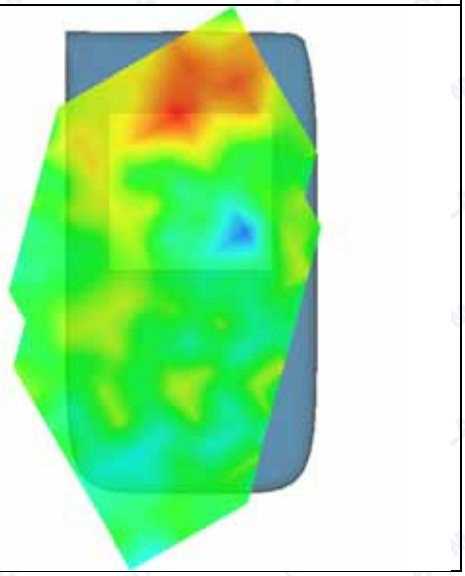
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-8.00, Y=-8.00**
**SAR Peak: 0.17 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.049370 |
| **SAR 1g (W/Kg)** | 0.093876 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 51 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 29 seconds

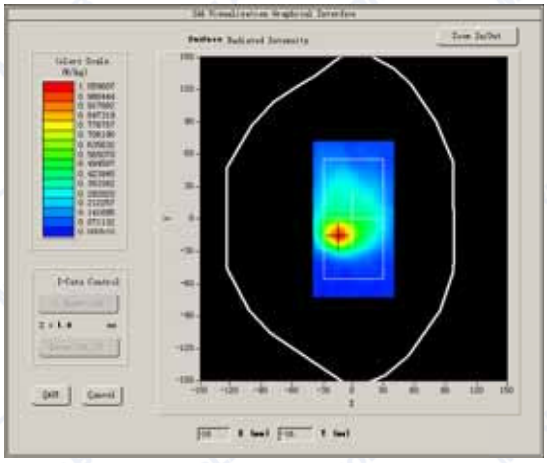
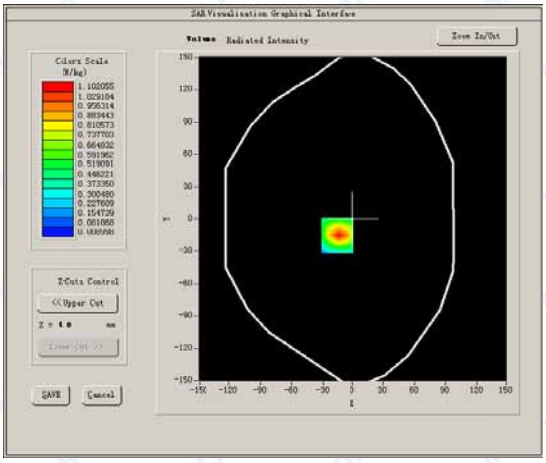
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | Low |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Low Band SAR (Channel 18700):

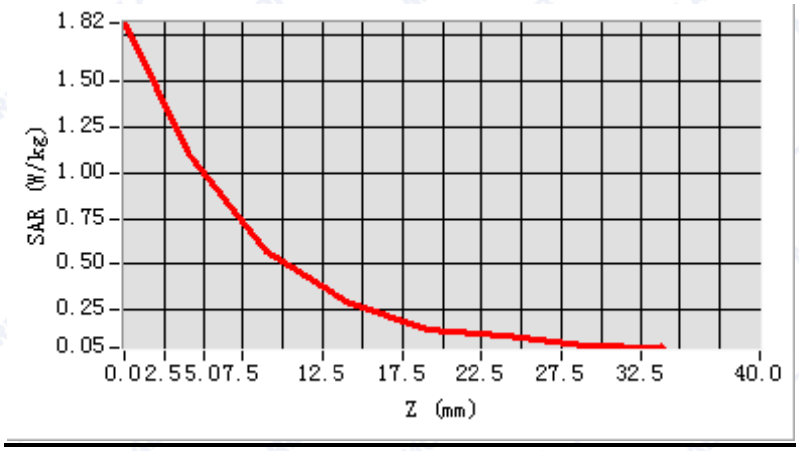
| | |
|---|---|
| **Frequency (MHz)** | 1860.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | 1.400000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

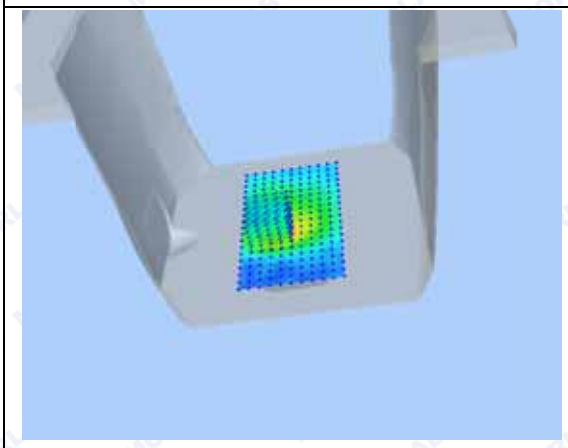
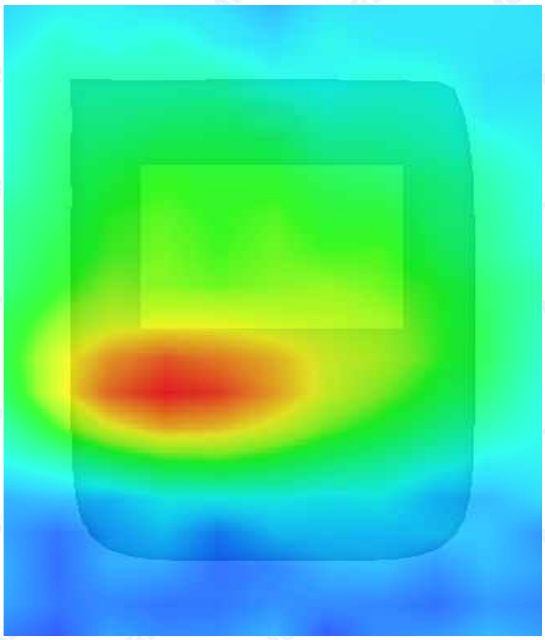
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-15.00, Y=-15.00**
**SAR Peak: 1.80 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.507661 |
| **SAR 1g (W/Kg)** | 1.077011 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 52 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 31 seconds

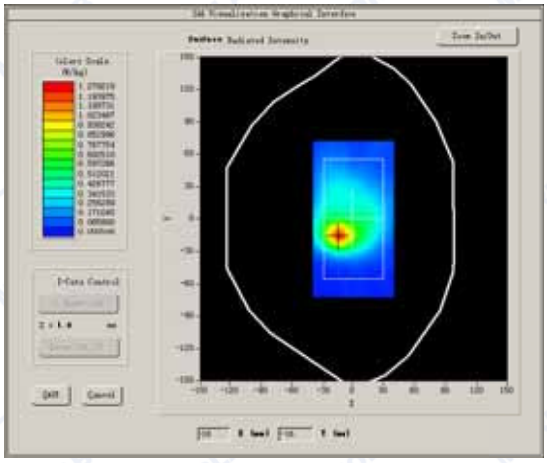
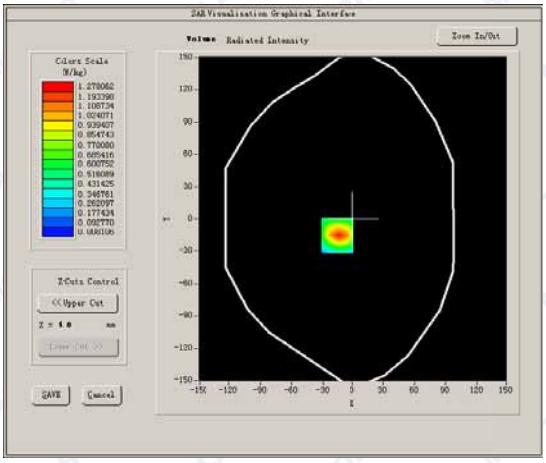
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 18900):

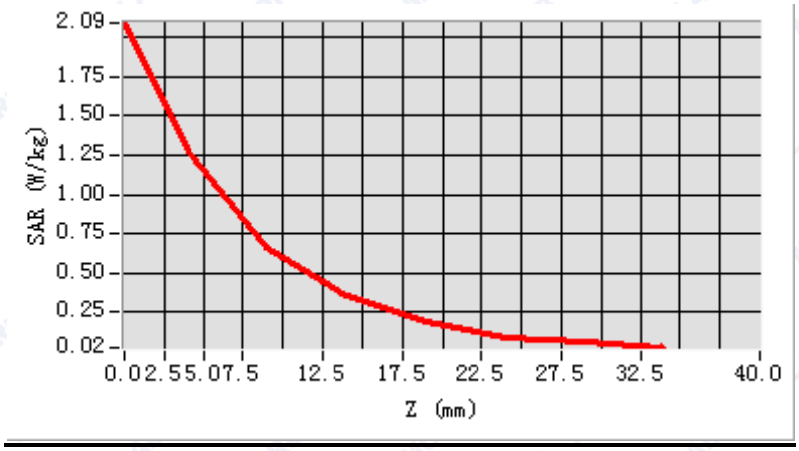
| | |
|---|---|
| **Frequency (MHz)** | 1880.0000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

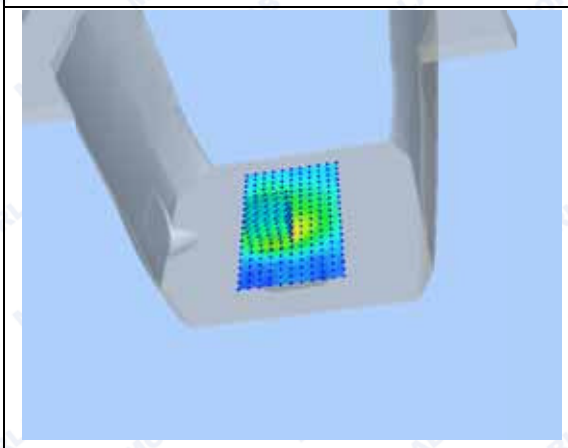
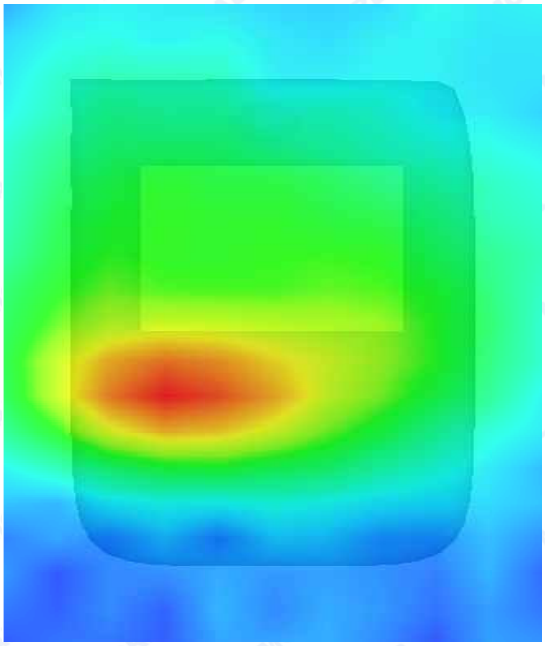
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-15.00, Y=-15.00**
**SAR Peak: 2.08 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.579891 |
| **SAR 1g (W/Kg)** | 1.186150 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 53 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 30 seconds

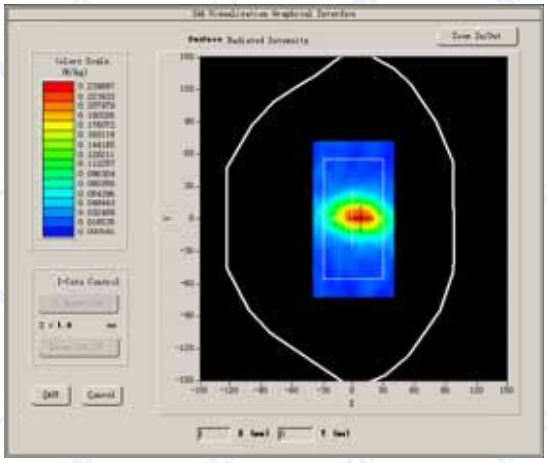
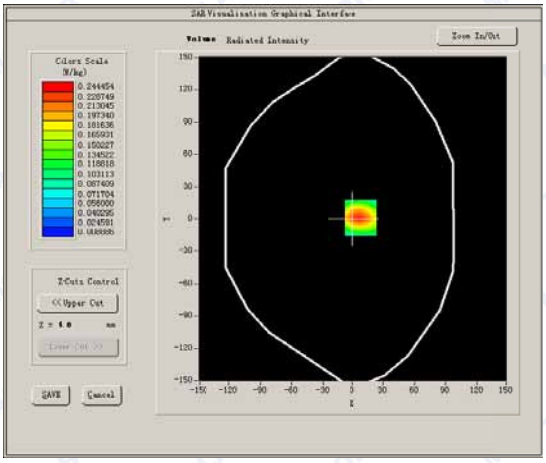
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | High |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

High Band SAR (Channel 19100):

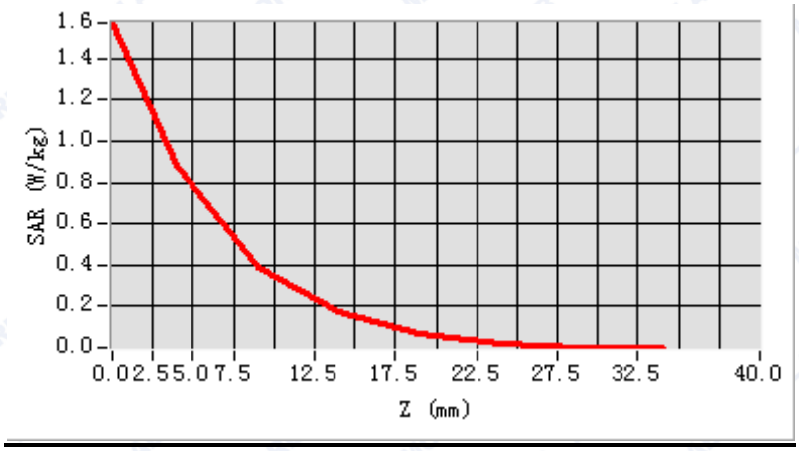
| | |
|---|---|
| **Frequency (MHz)** | 1900.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

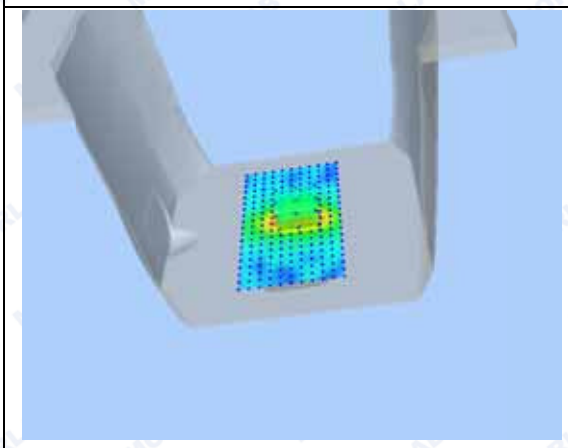
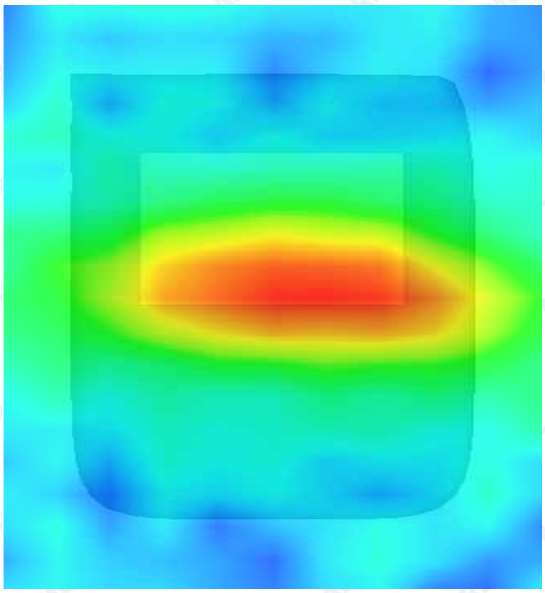
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=7.00, Y=1.00**
**SAR Peak: 1.38 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.725528 |
| **SAR 1g (W/Kg)** | 1.032490 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 54 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 31 seconds

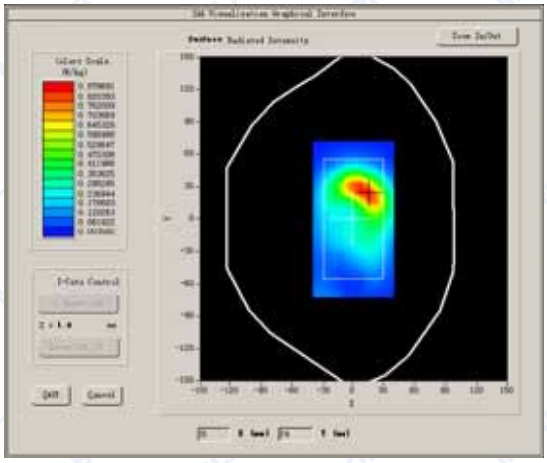
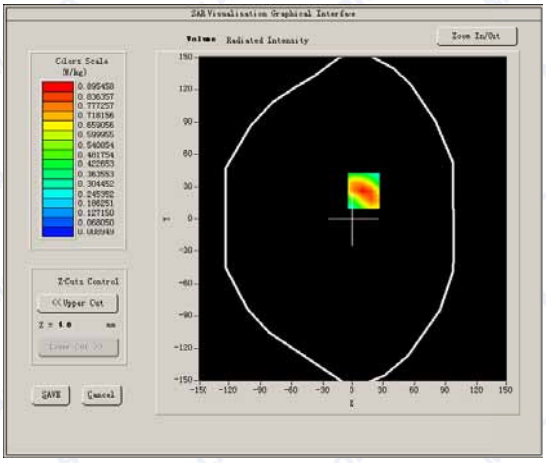
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 18900):

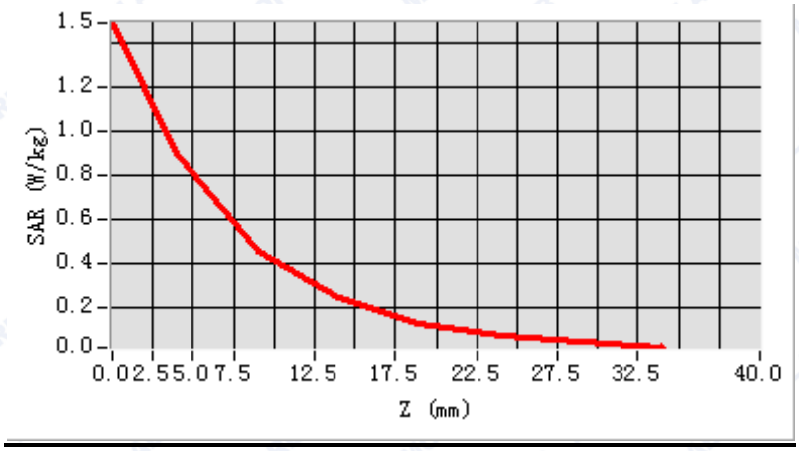
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

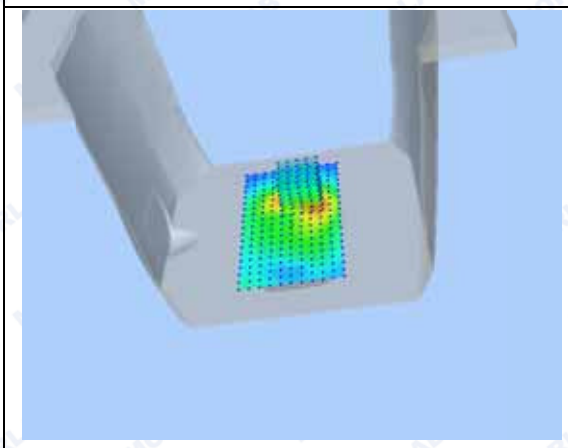
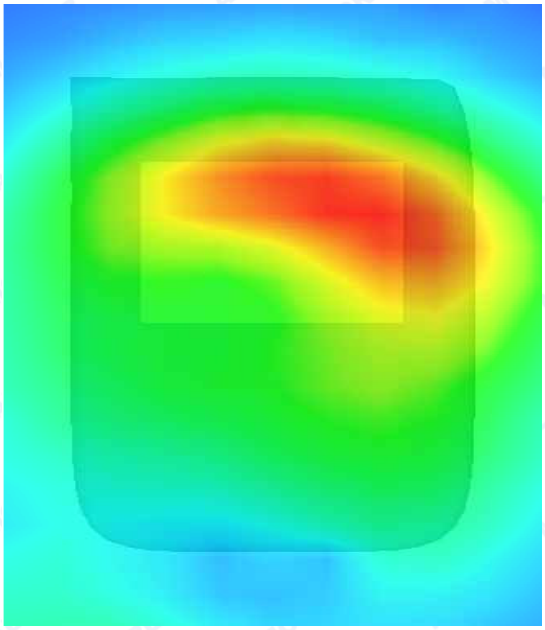
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=10.00, Y=26.00**
**SAR Peak: 1.49 W/kg**

| SAR 10g (W/Kg) | 0.437039 |
|---|---|
| SAR 1g (W/Kg) | 0.816358 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 55 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 29 seconds

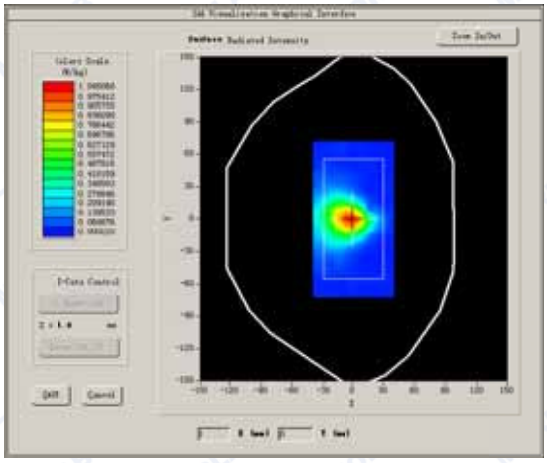
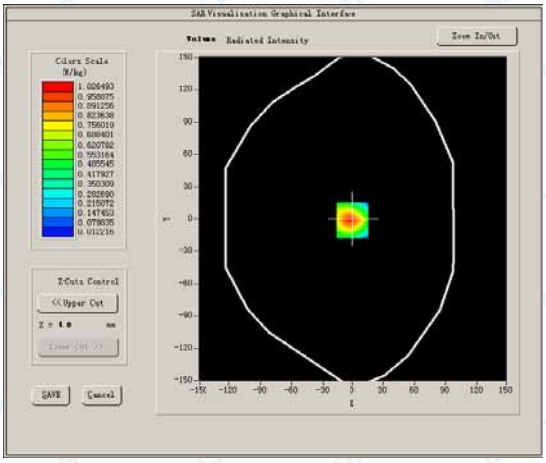
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | Low |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Low Band SAR (Channel 18900):

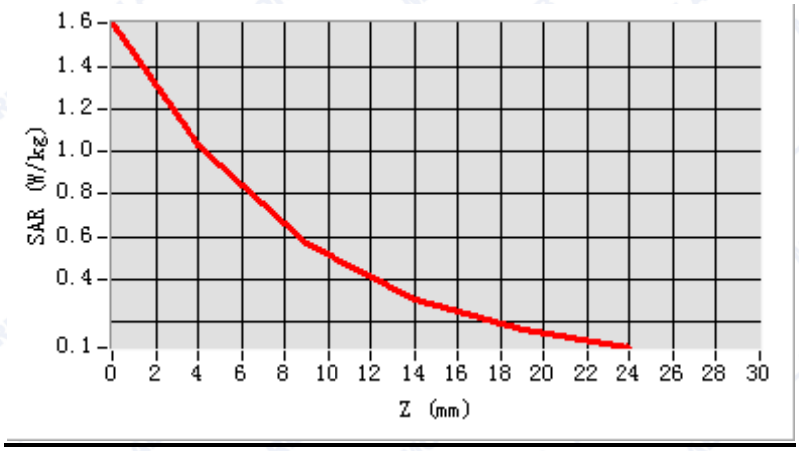
| | |
|---|---|
| **Frequency (MHz)** | 1860.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

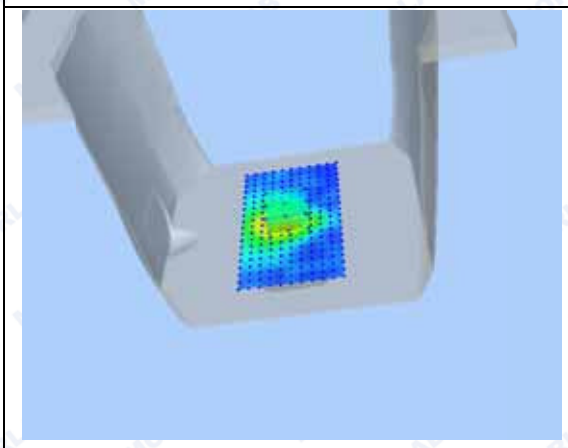
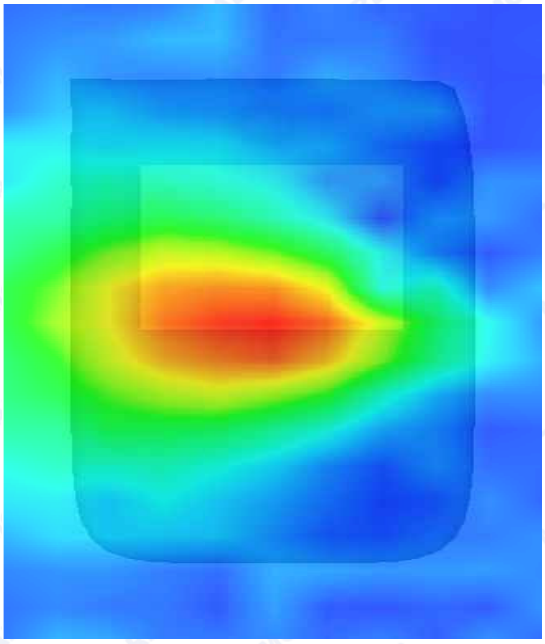
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-1.00, Y=-1.00**
**SAR Peak: 1.61 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.809113 |
| **SAR 1g (W/Kg)** | 1.258832 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 56 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 31 seconds

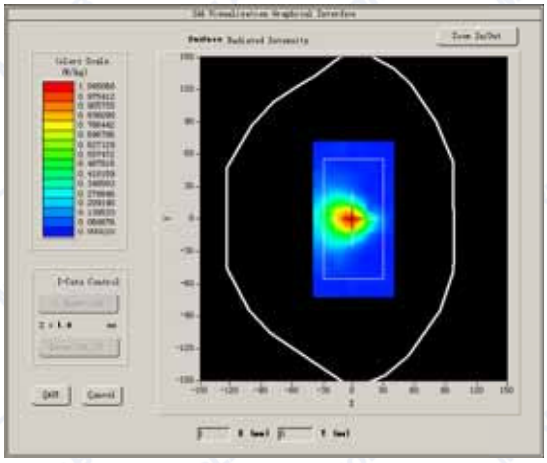
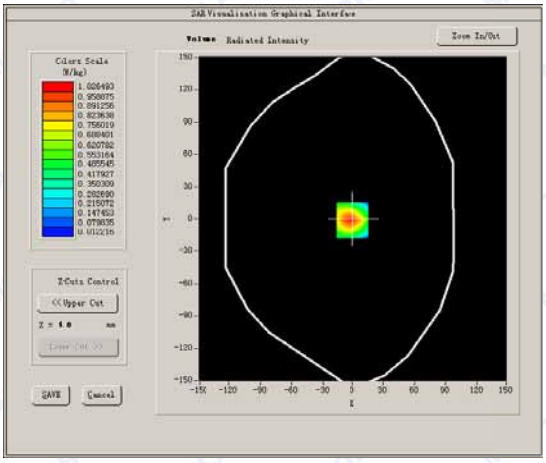
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 18900):

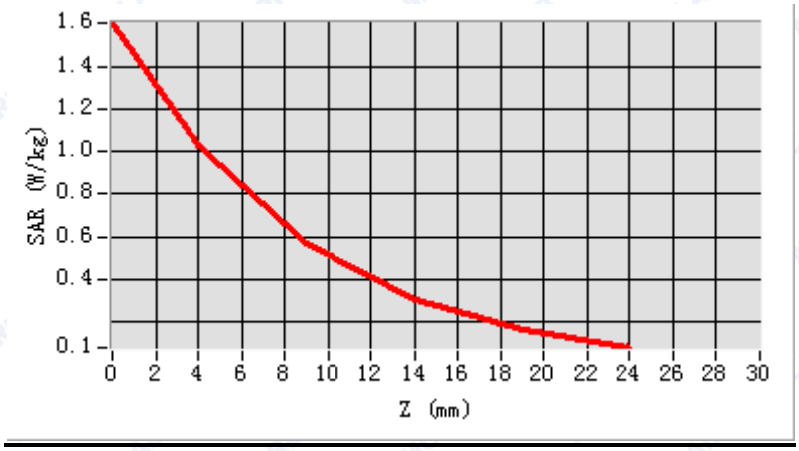
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

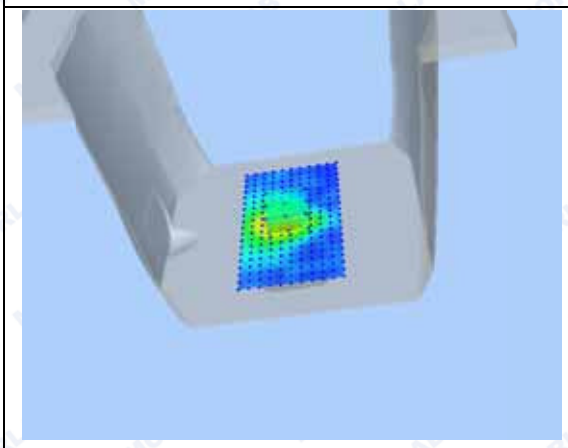
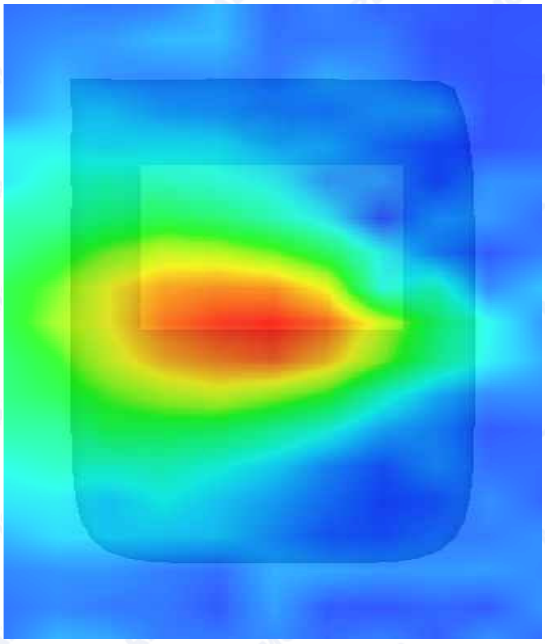
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-1.00, Y=-1.00**
**SAR Peak: 1.71 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.811253 |
| **SAR 1g (W/Kg)** | 1.288258 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 57 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 31 seconds

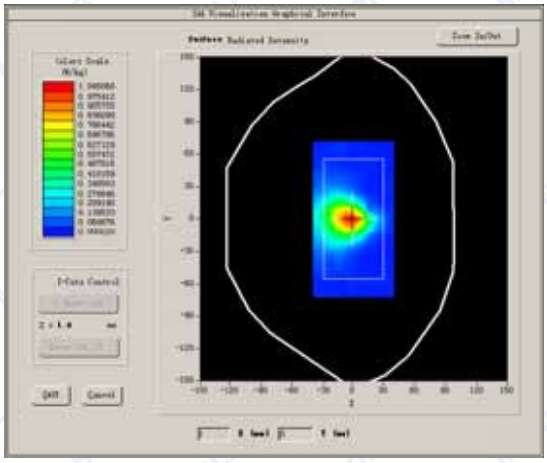
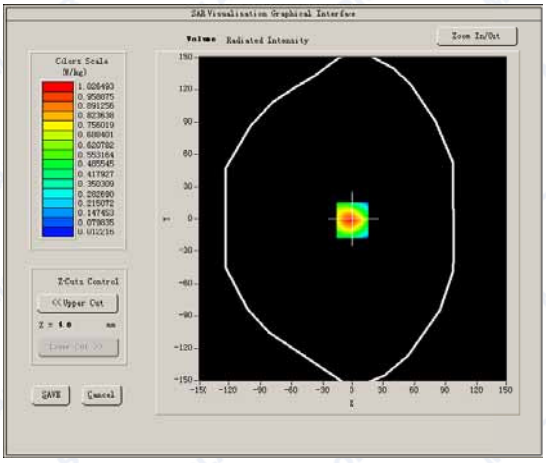
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | High |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

High Band SAR (Channel 18900):

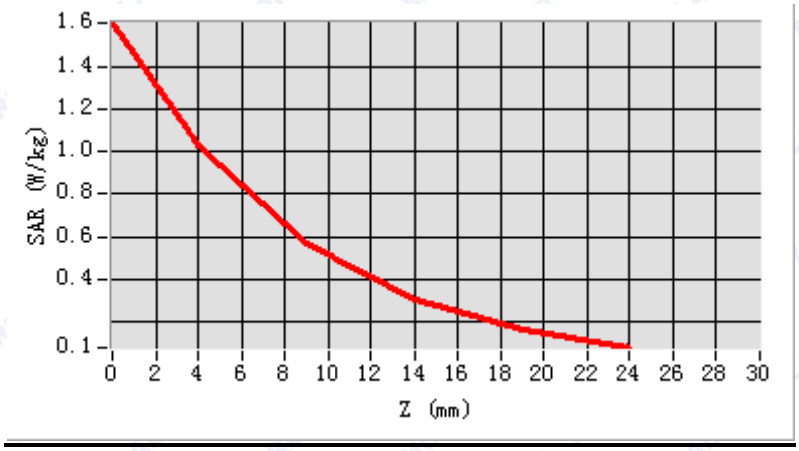
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

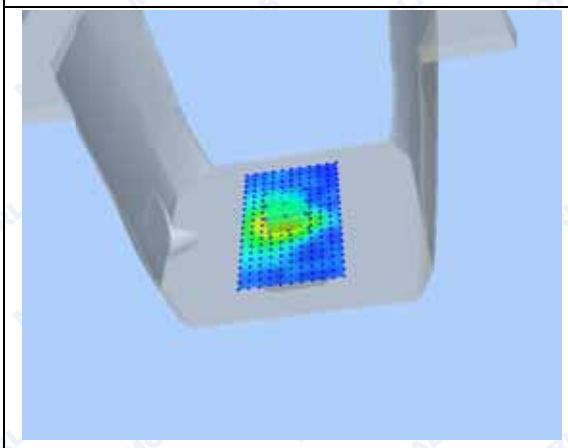
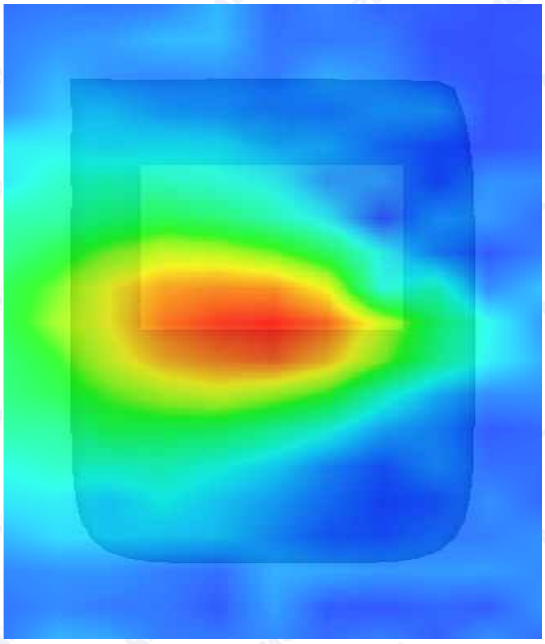
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-1.00, Y=-1.00**
**SAR Peak: 1.61 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.788652 |
| **SAR 1g (W/Kg)** | 1.211356 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 58 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 30 seconds

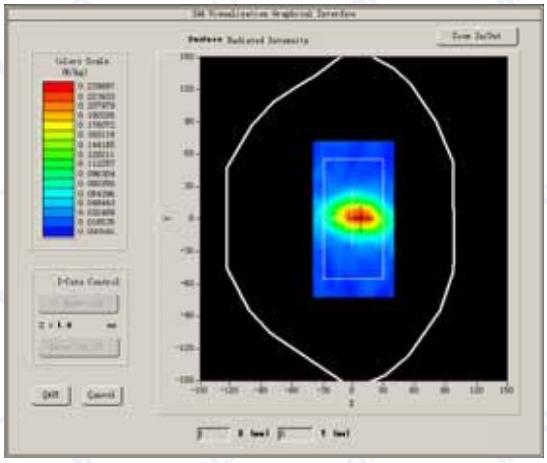
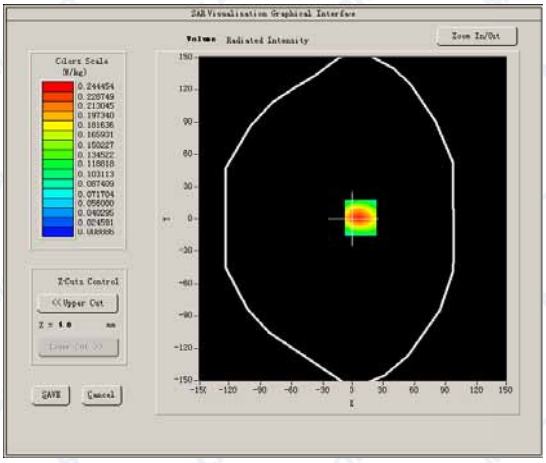
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | High |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

High Band SAR (Channel 19100):

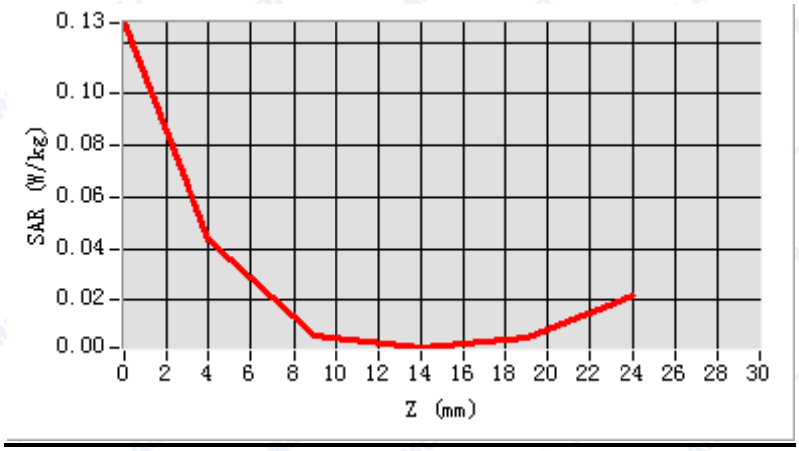
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

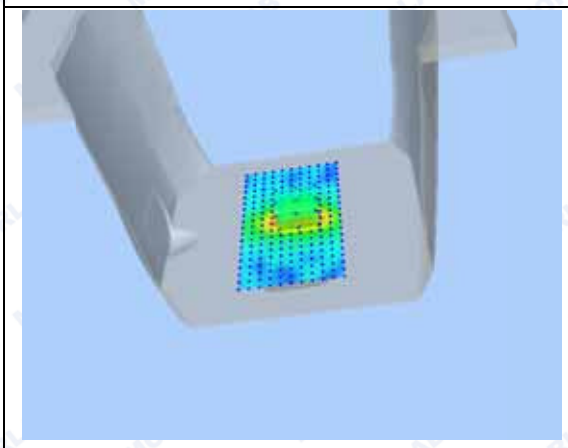
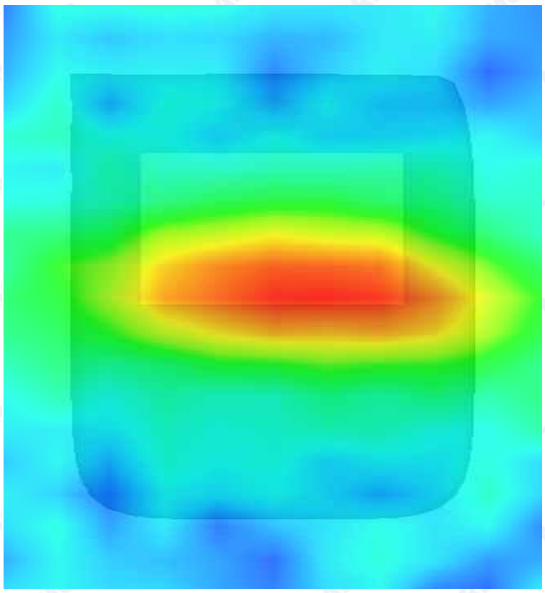
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=7.00, Y=1.00**
**SAR Peak: 0.18 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.025528 |
| **SAR 1g (W/Kg)** | 0.063490 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 59 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 30 seconds

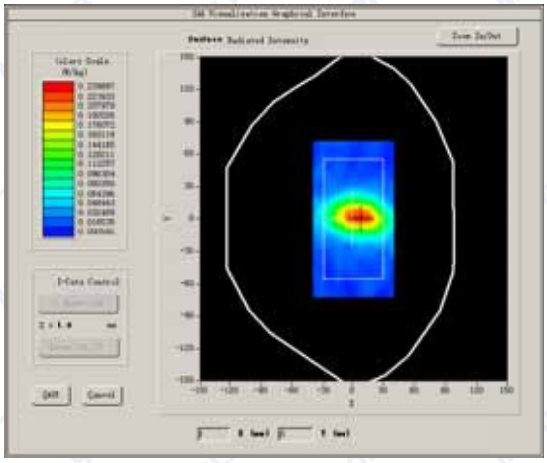
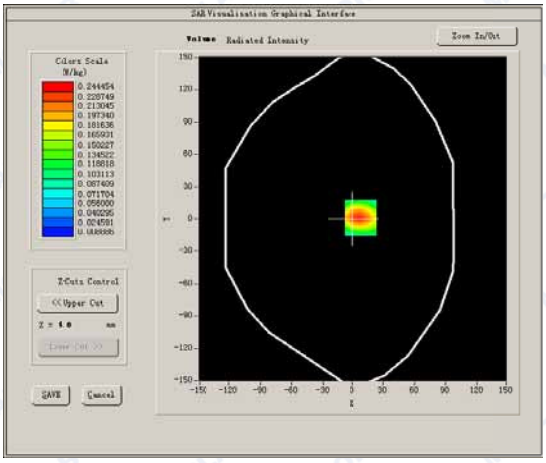
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | High |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

High Band SAR (Channel 19100):

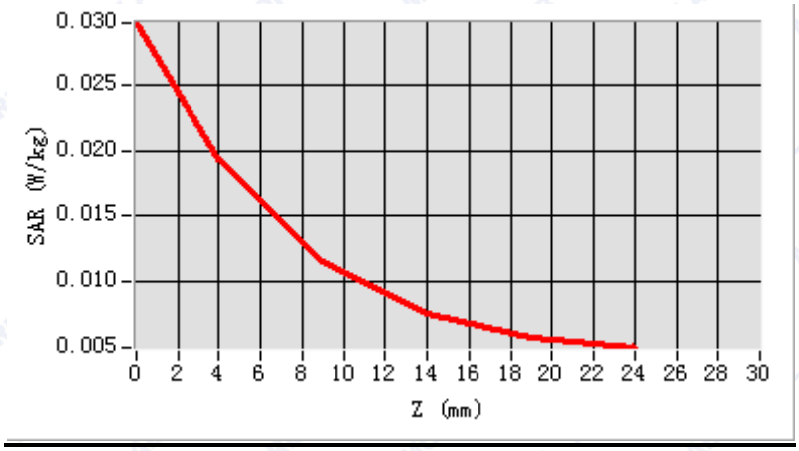
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

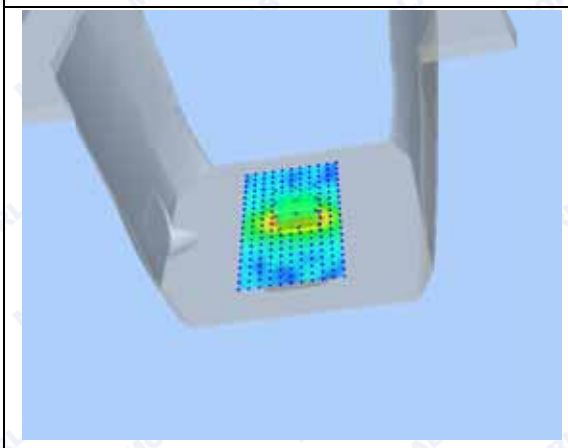
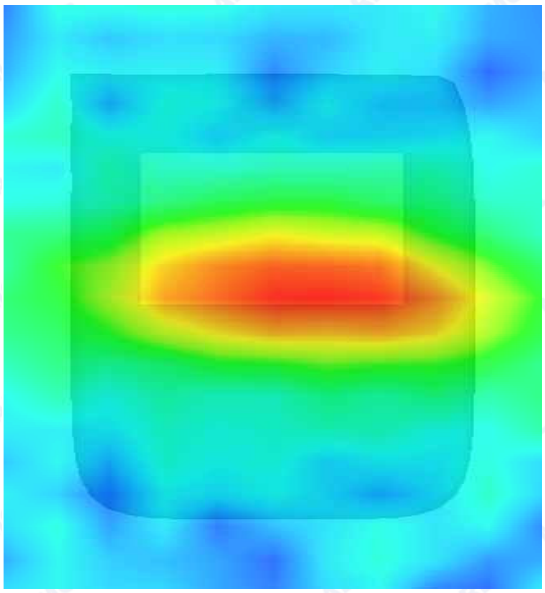
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=7.00, Y=1.00**
**SAR Peak: 0.11 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.010524 |
| **SAR 1g (W/Kg)** | 0.028356 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 60 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 31 seconds

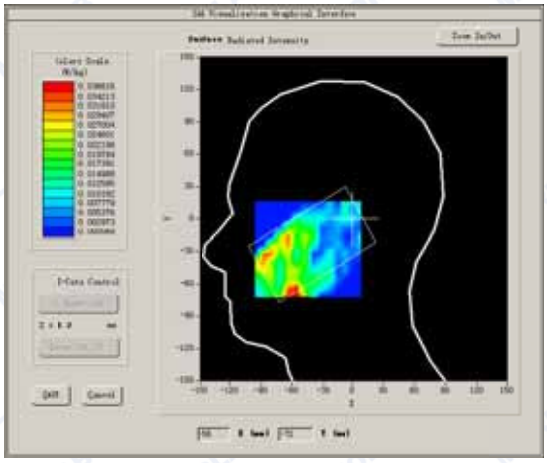
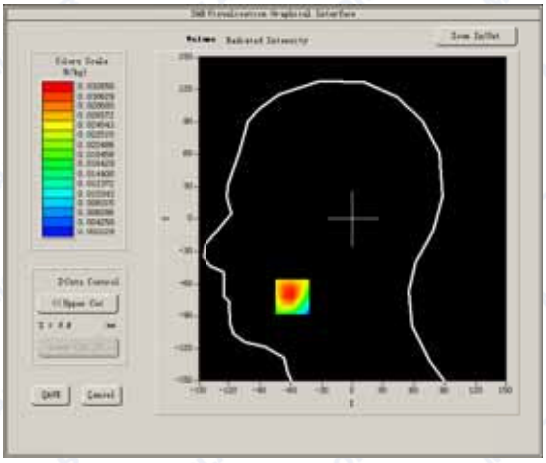
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Right head |
| **Device Position** | Cheek |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 18900):

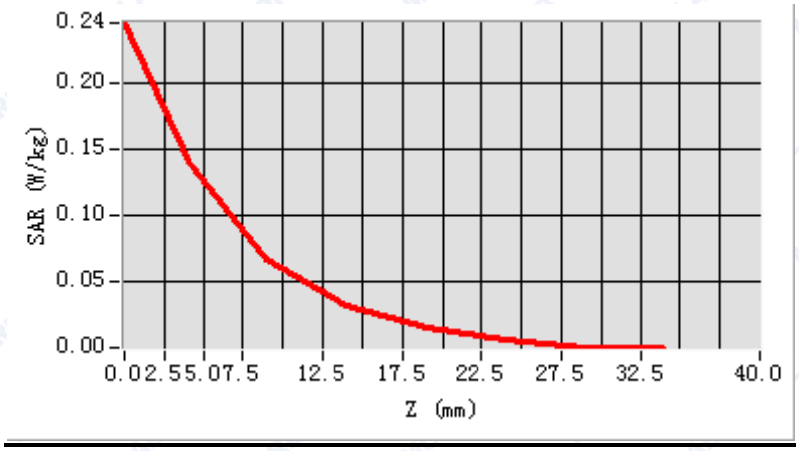
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

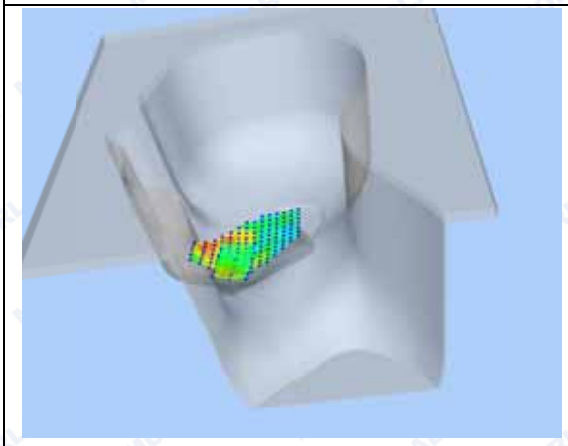
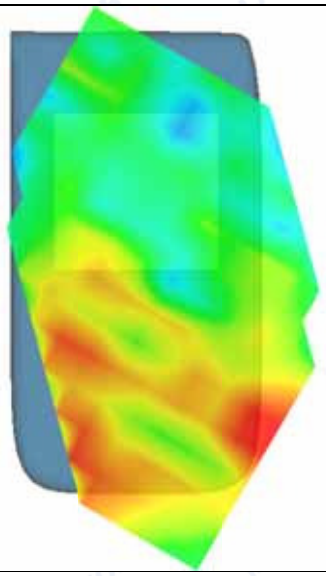
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-59.00, Y=-72.00**
**SAR Peak: 0.27 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.086370 |
| **SAR 1g (W/Kg)** | 0.189682 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 61 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 30 seconds

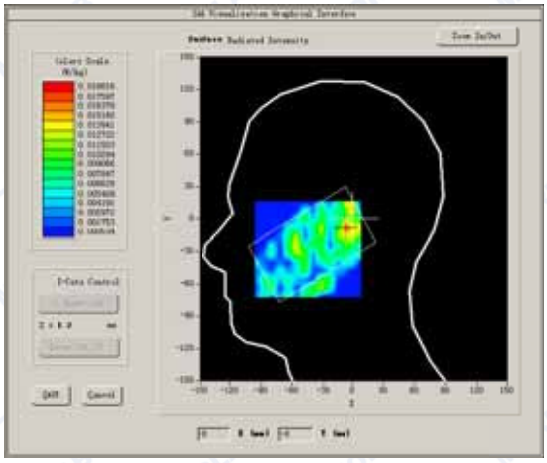
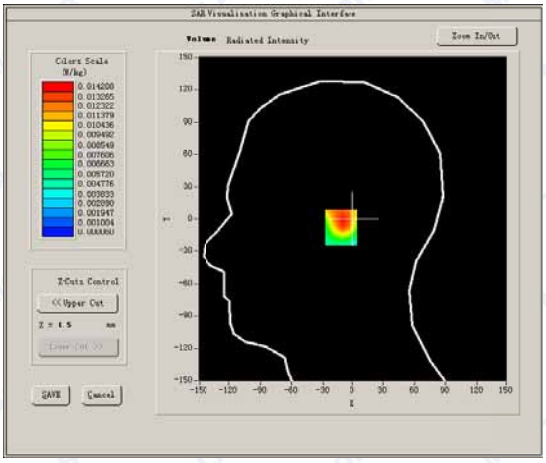
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Right head |
| **Device Position** | Tilt |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 18900):

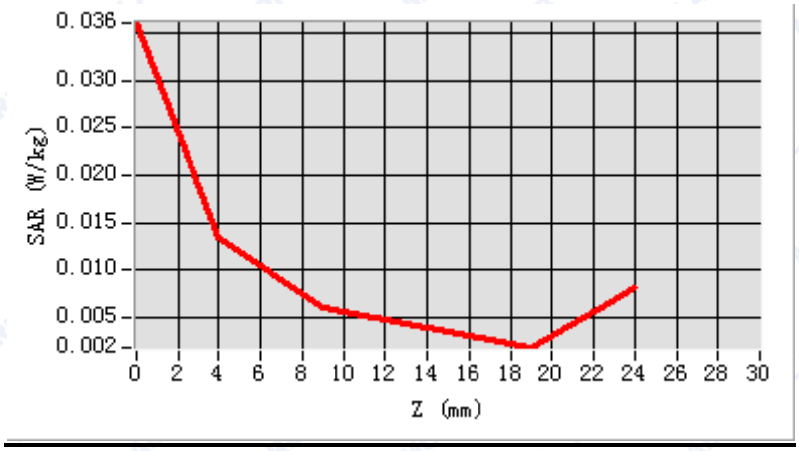
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

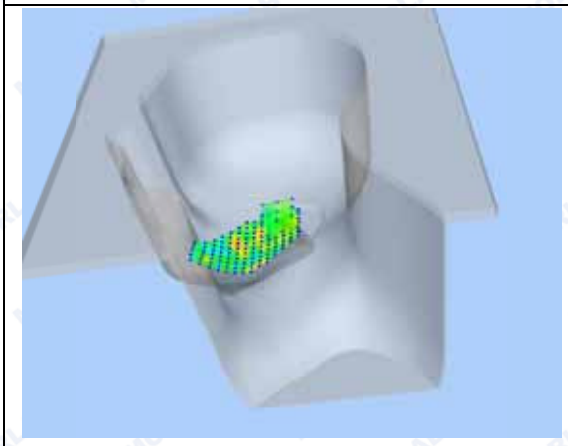
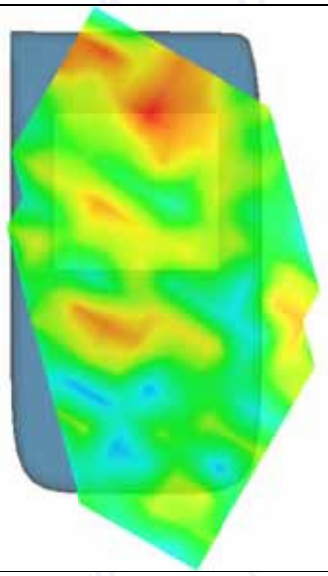
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-7.00, Y=-8.00**
**SAR Peak: 0.07 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.029371 |
| **SAR 1g (W/Kg)** | 0.056145 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 62 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 28 seconds

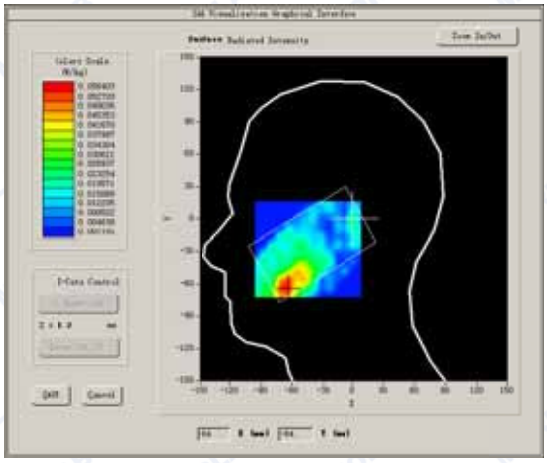
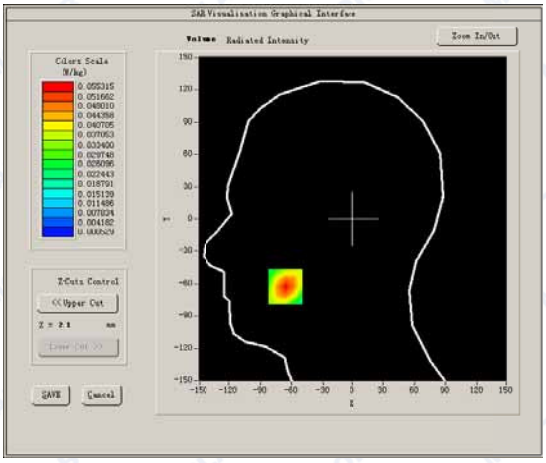
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Left head |
| **Device Position** | Cheek |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 18900):

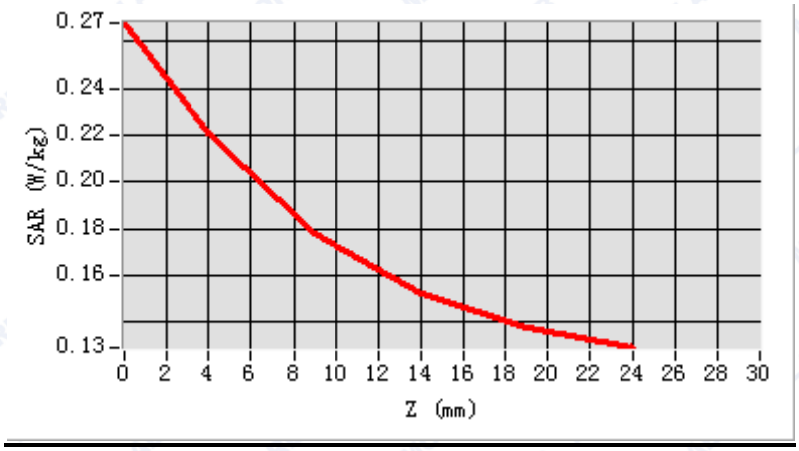
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

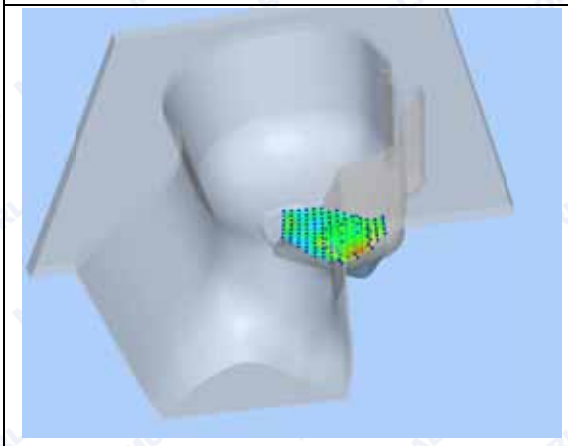
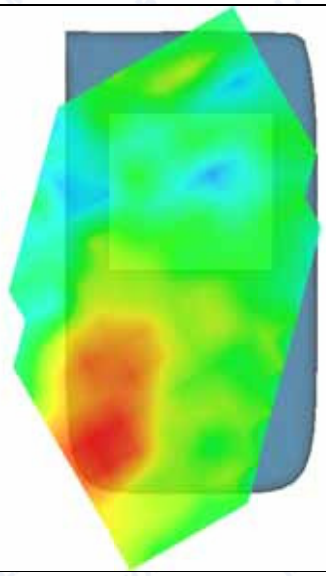
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-66.00, Y=-63.00**
**SAR Peak: 0.39 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.081119 |
| **SAR 1g (W/Kg)** | 0.155960 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 63 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 34 seconds

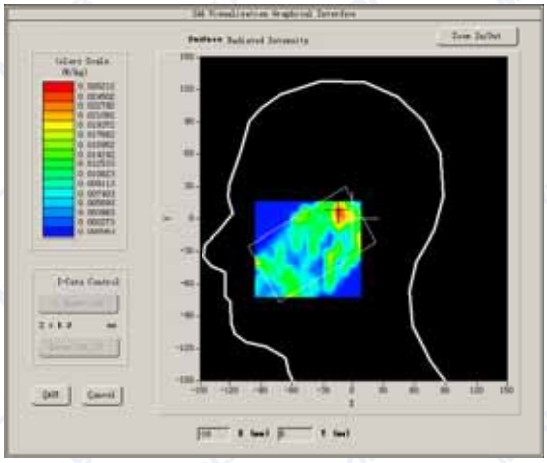
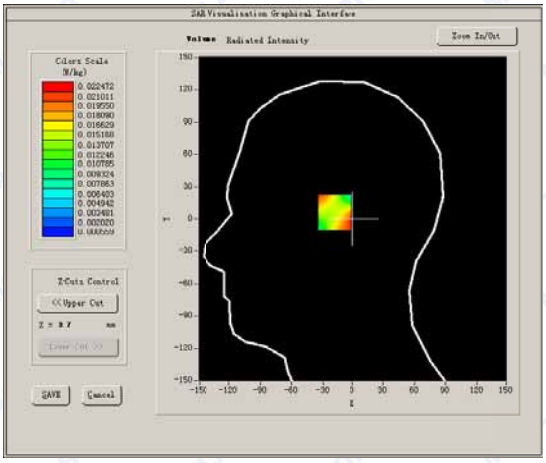
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Left head |
| **Device Position** | Tilt |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 18900):

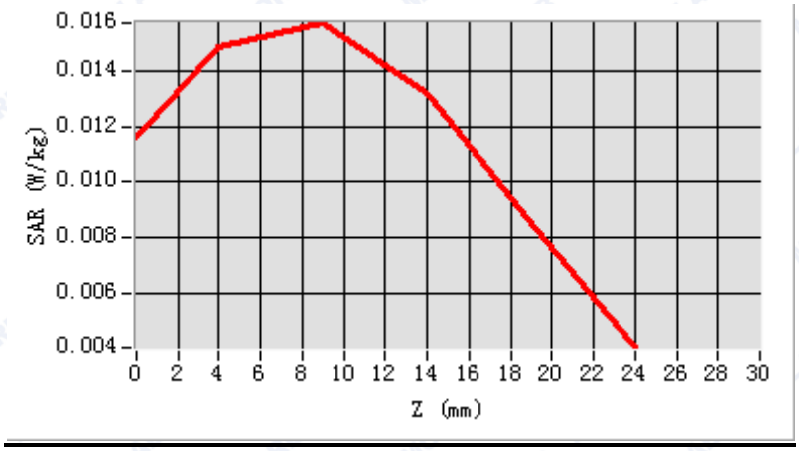
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

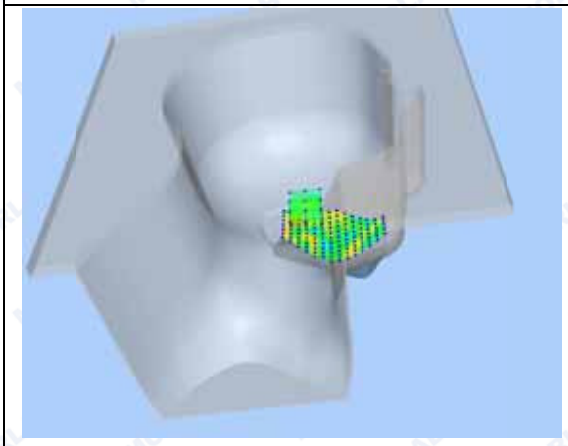
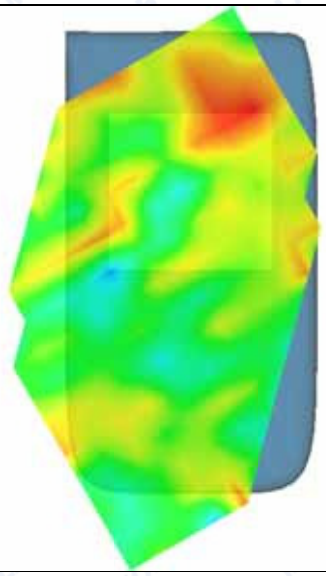
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-15.00, Y=6.00**
**SAR Peak: 0.04 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.012377 |
| **SAR 1g (W/Kg)** | 0.043264 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 64 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 29 seconds

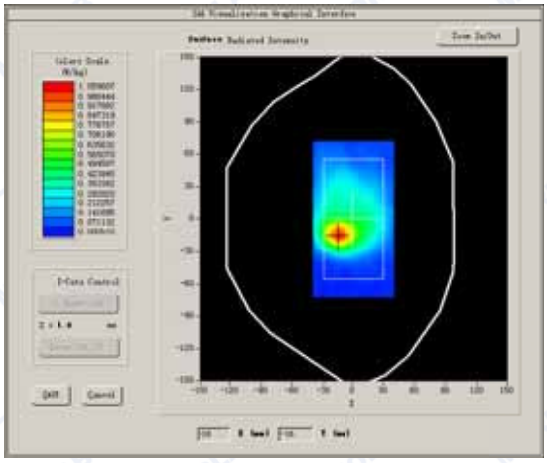
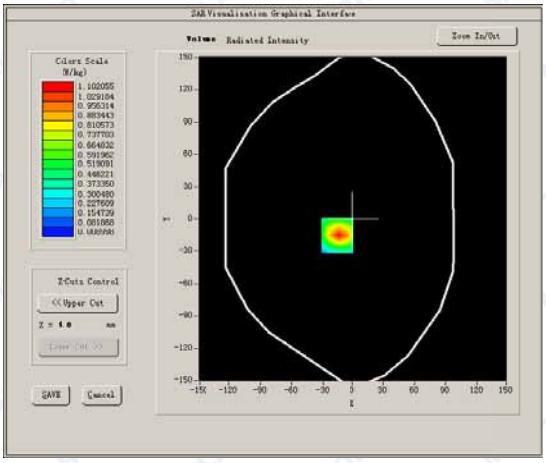
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | Low |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Low Band SAR (Channel 18700):

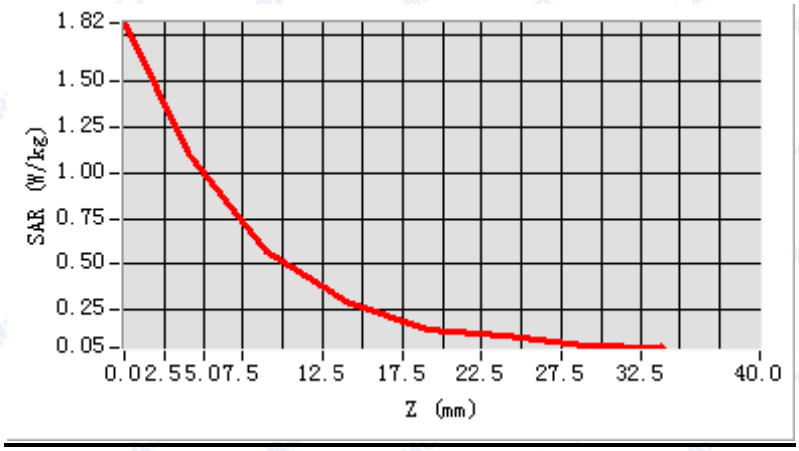
| | |
|---|---|
| **Frequency (MHz)** | 1860.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | 1.400000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

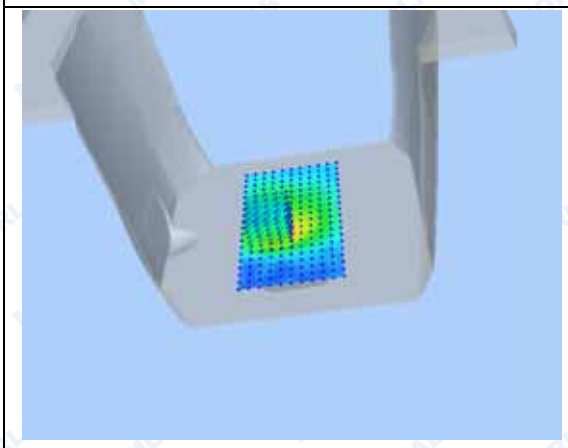
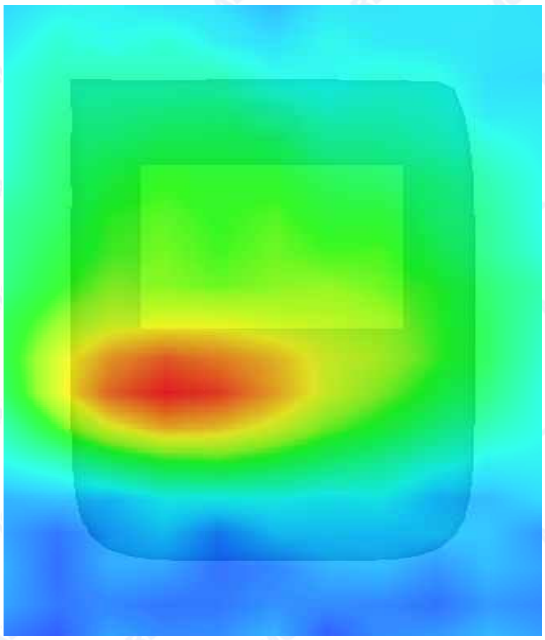
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-15.00, Y=-15.00**
**SAR Peak: 1.80 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.507661 |
| **SAR 1g (W/Kg)** | 1.077011 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 65 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 31 seconds

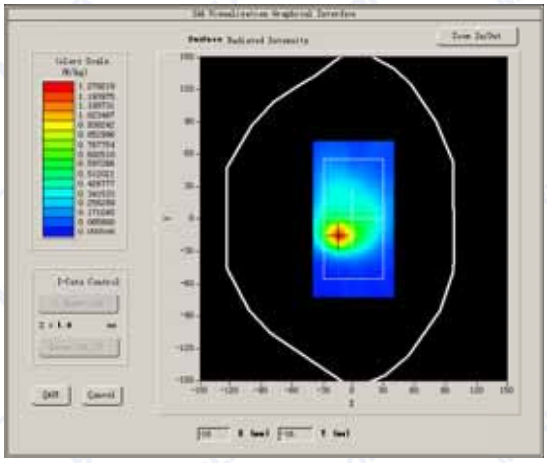
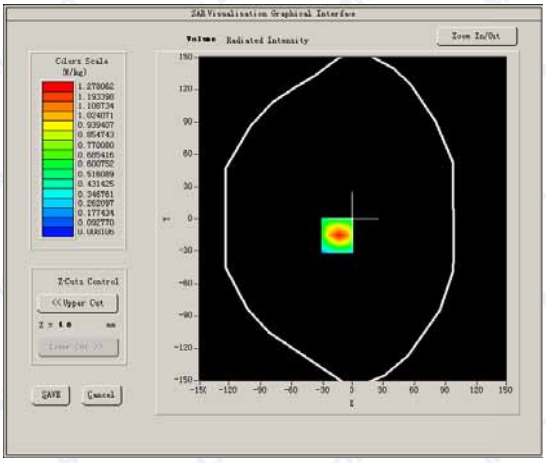
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 18900):

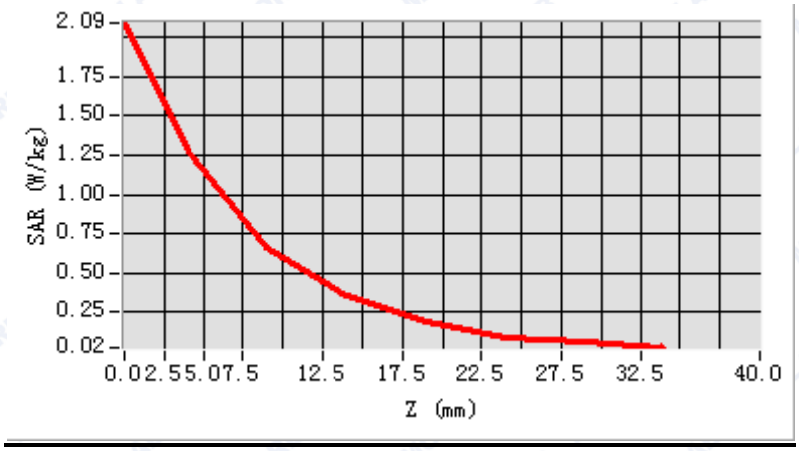
| | |
|---|---|
| **Frequency (MHz)** | 1880.0000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

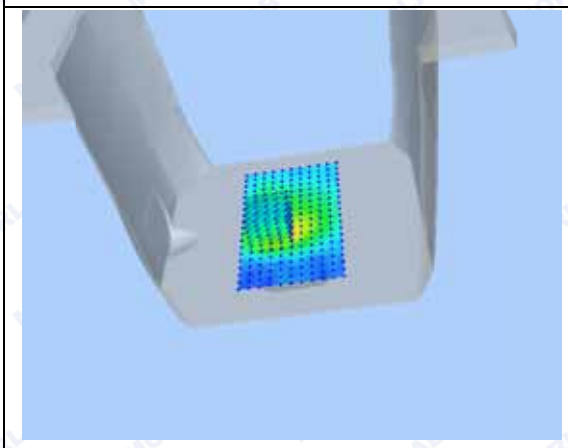
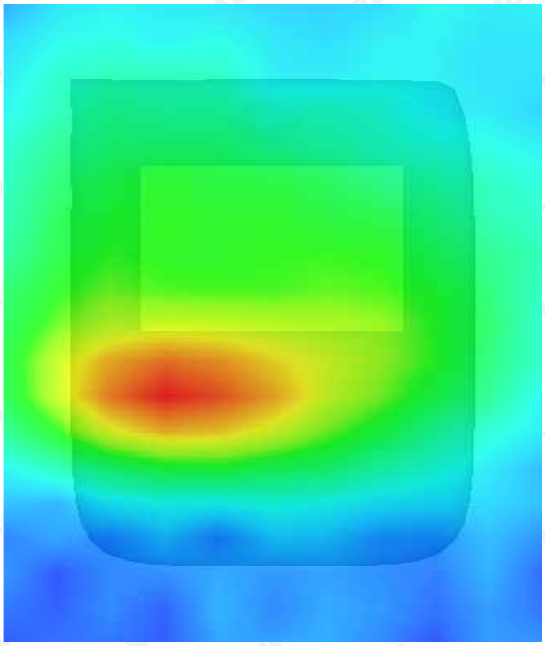
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-15.00, Y=-15.00**
**SAR Peak: 2.08 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.601253 |
| **SAR 1g (W/Kg)** | 1.089372 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 66 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 30 seconds

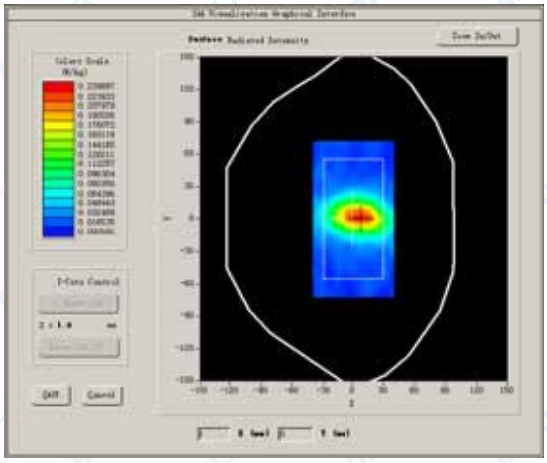
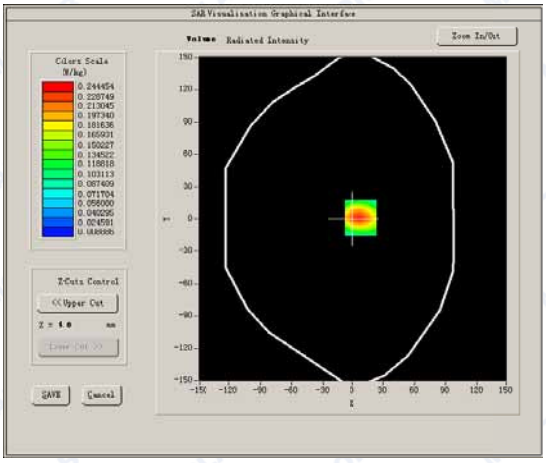
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | High |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

High Band SAR (Channel 19100):

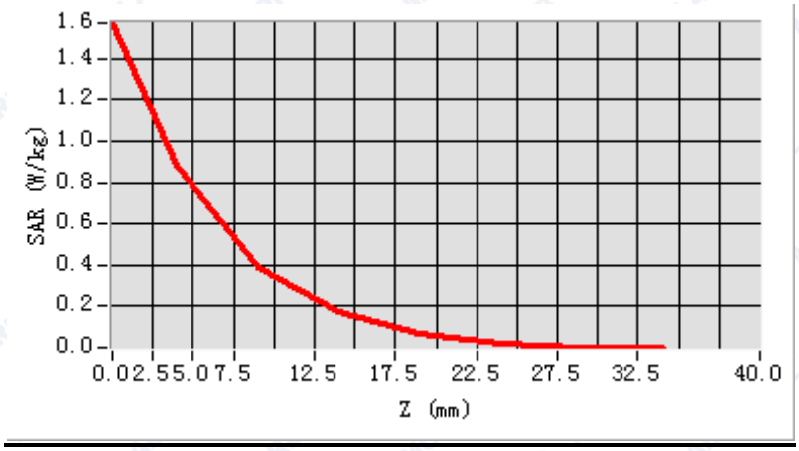
| | |
|---|---|
| **Frequency (MHz)** | 1900.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

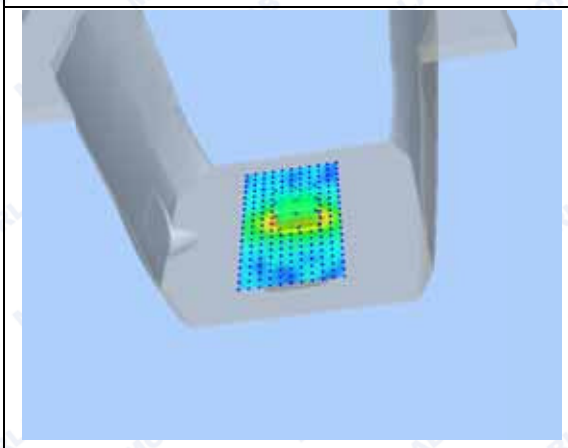
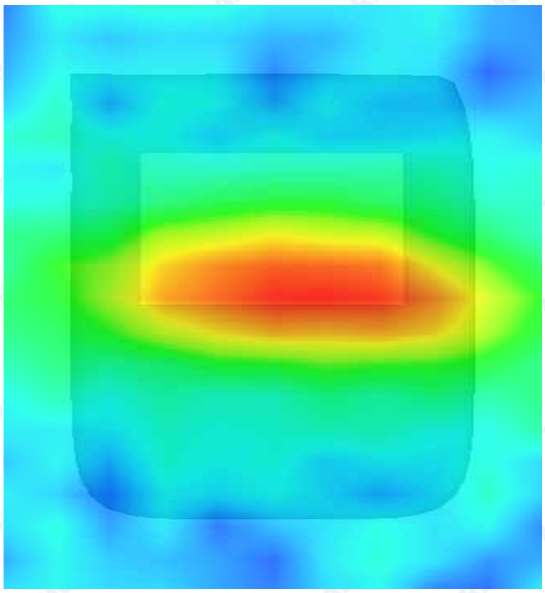
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=7.00, Y=1.00**
**SAR Peak: 1.38 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.725528 |
| **SAR 1g (W/Kg)** | 1.111352 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 67 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 29 seconds

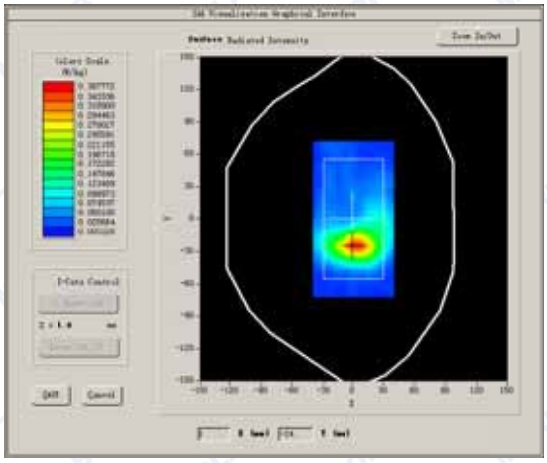
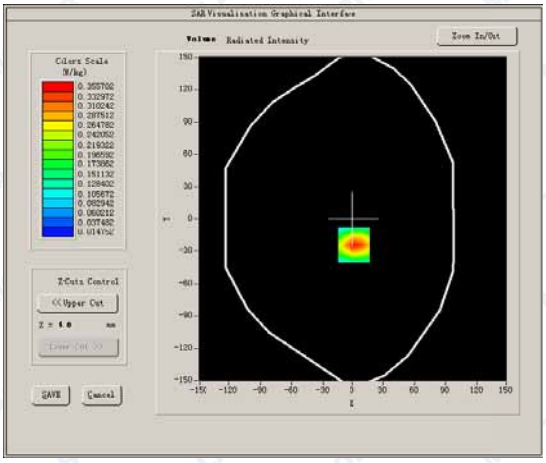
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 18900):

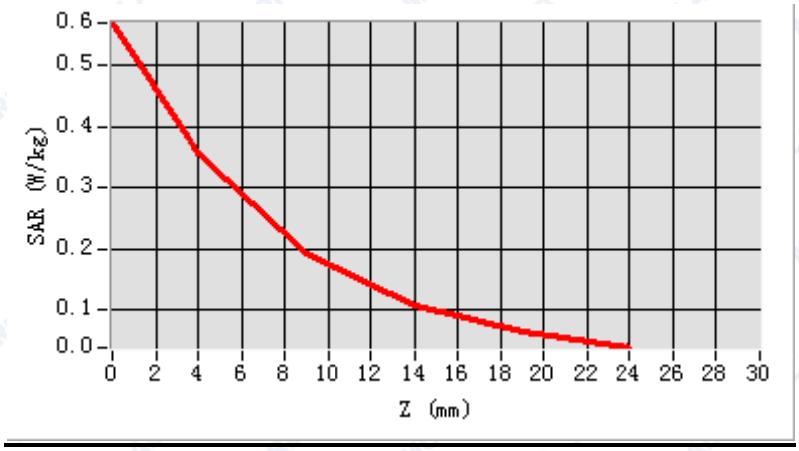
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | 1.400000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

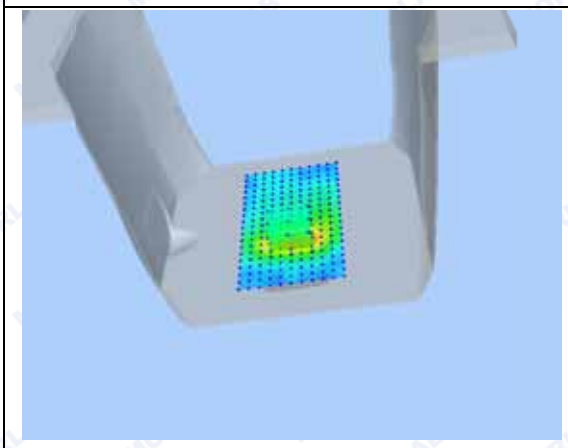
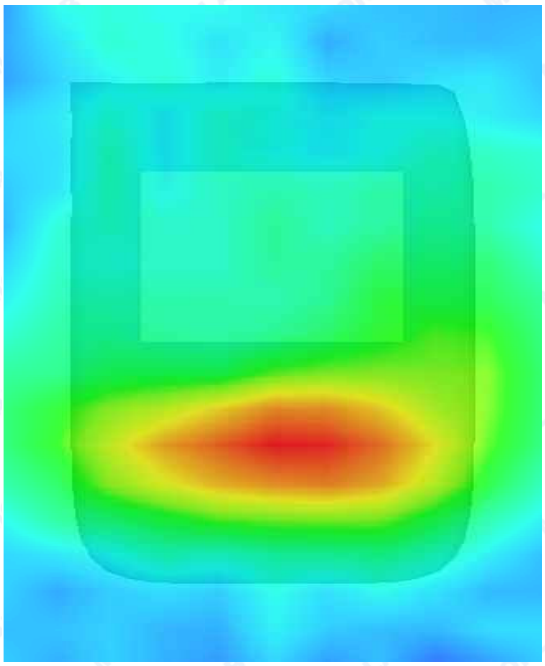
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=1.00, Y=-24.00**
**SAR Peak: 0.57 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.163879 |
| **SAR 1g (W/Kg)** | 0.238152 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 68 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 29 seconds

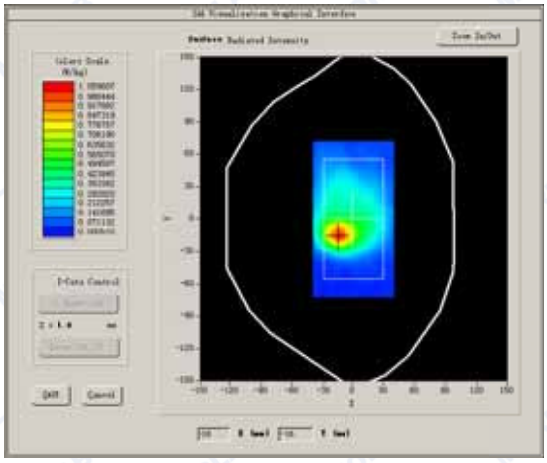
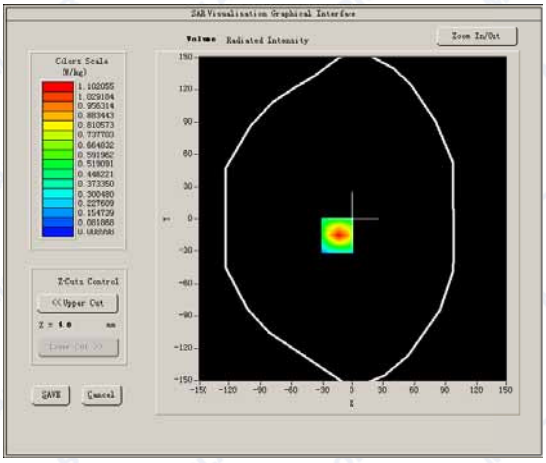
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | Low |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Low Band SAR (Channel 18700):

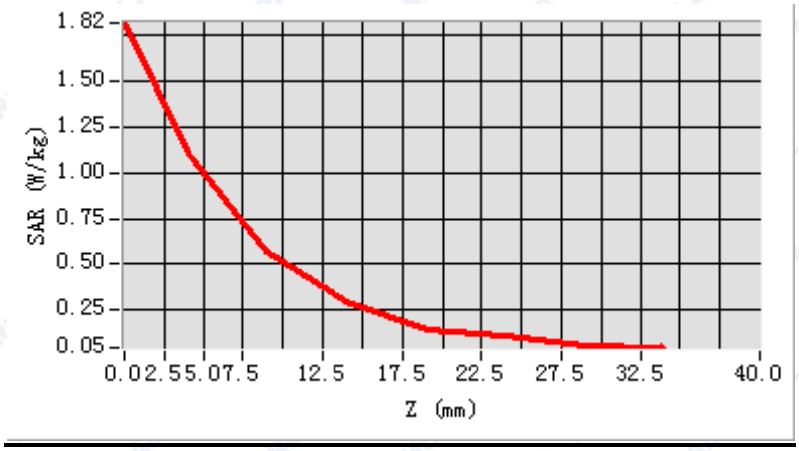
| | |
|---|---|
| **Frequency (MHz)** | 1860.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | 1.400000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

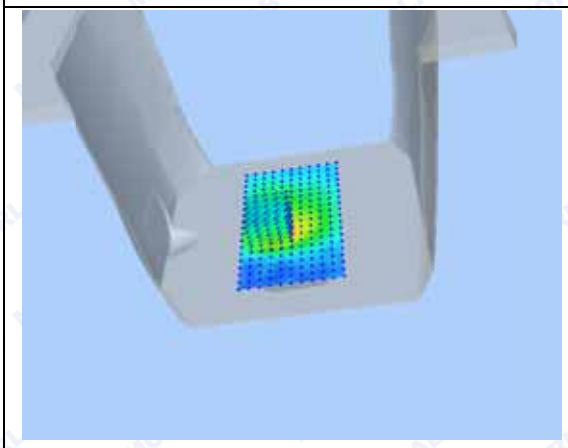
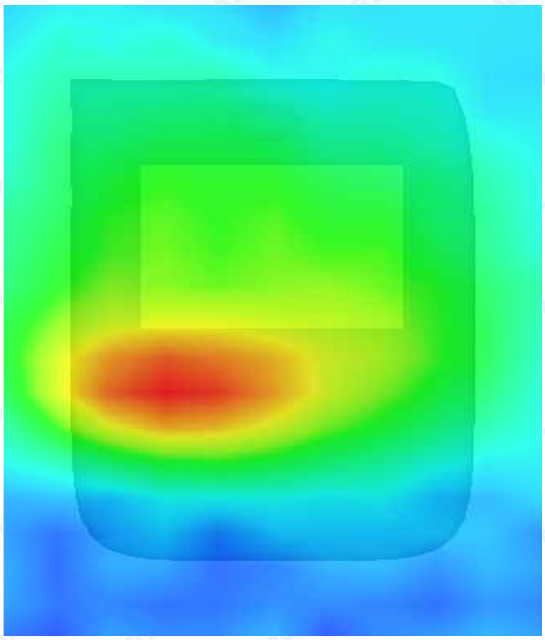
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-15.00, Y=-15.00**
**SAR Peak: 1.80 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.880325 |
| **SAR 1g (W/Kg)** | 1.215035 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 69 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 31 seconds

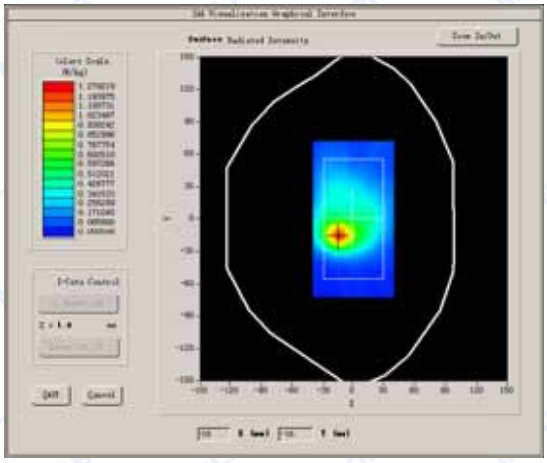
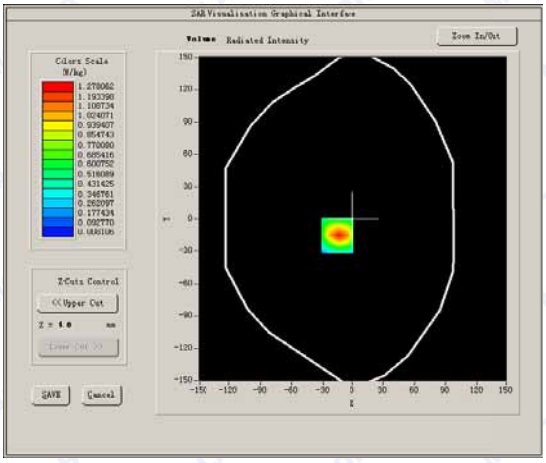
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 18900):

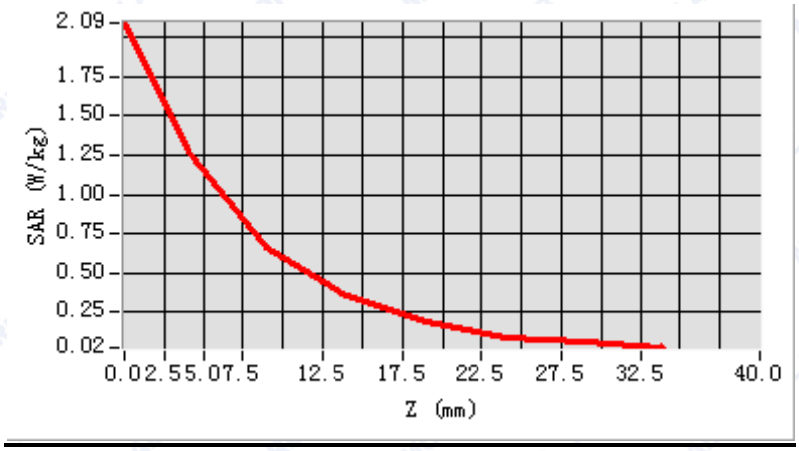
| | |
|---|---|
| **Frequency (MHz)** | 1880.0000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

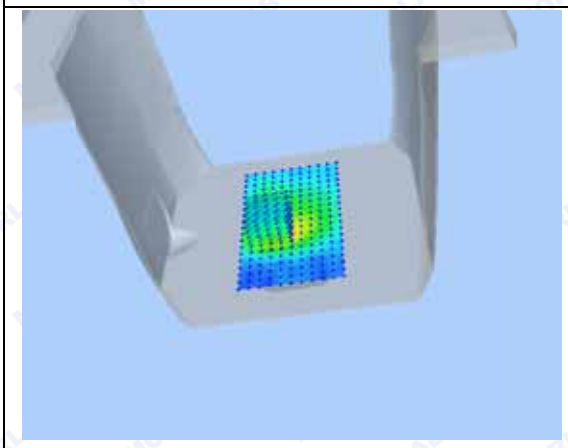
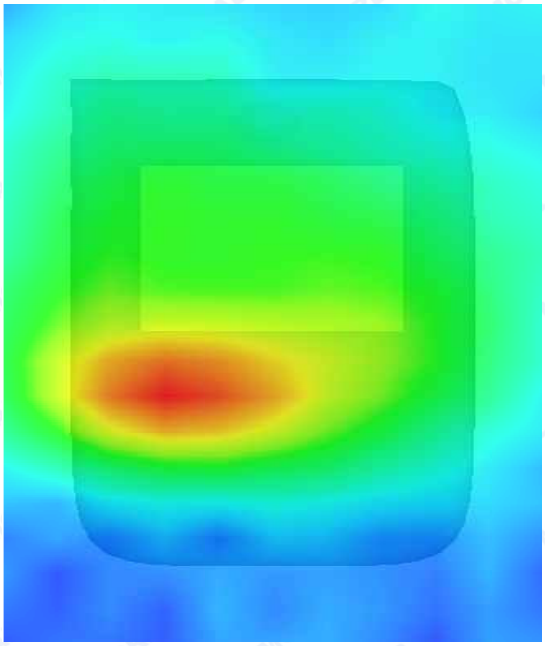
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-15.00, Y=-15.00**
**SAR Peak: 2.08 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.873526 |
| **SAR 1g (W/Kg)** | 1.258035 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 70 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 30 seconds

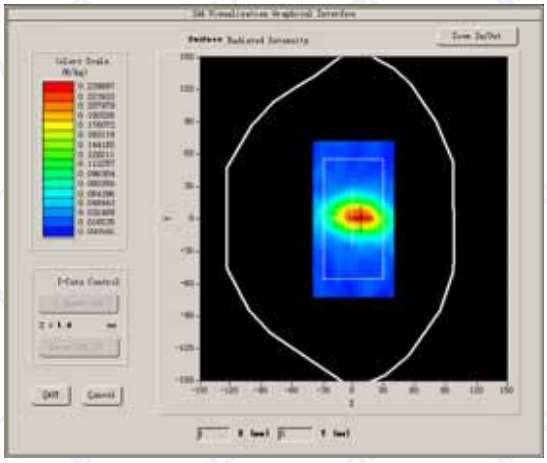
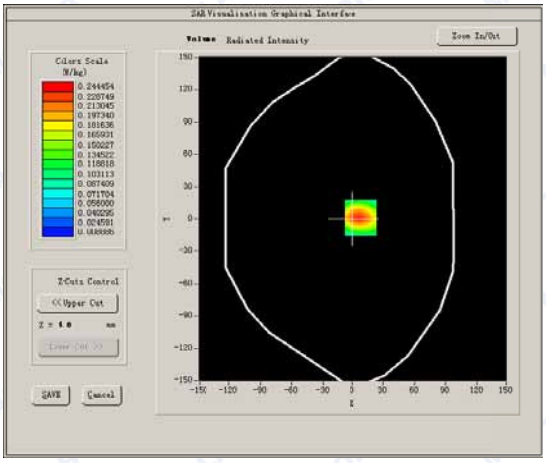
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | High |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

High Band SAR (Channel 19100):

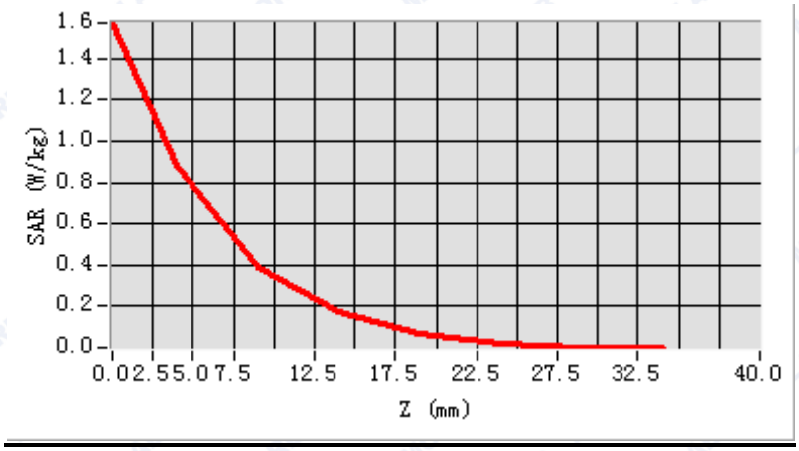
| | |
|---|---|
| **Frequency (MHz)** | 1900.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

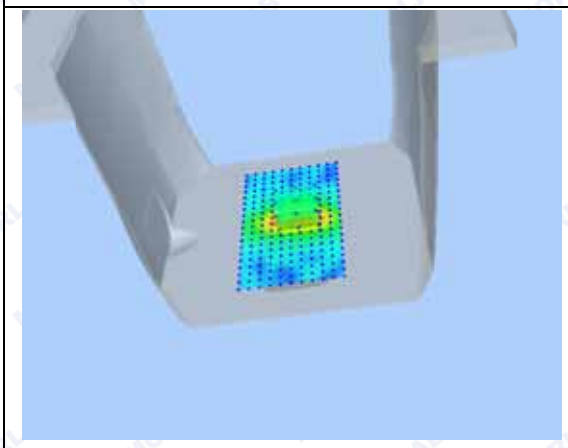
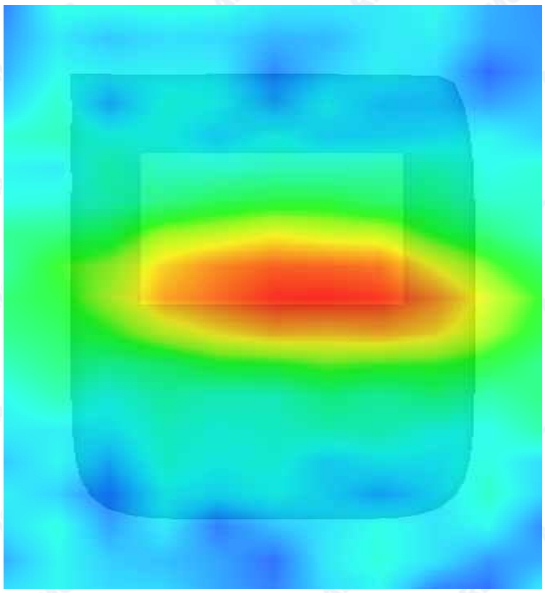
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=7.00, Y=1.00**
**SAR Peak: 1.38 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.725528 |
| **SAR 1g (W/Kg)** | 1.274356 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 71 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 30 seconds

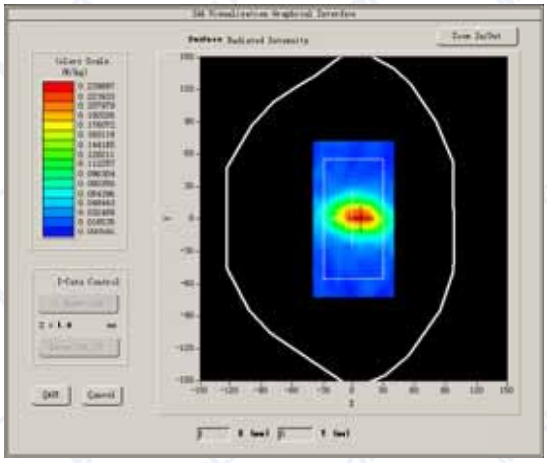
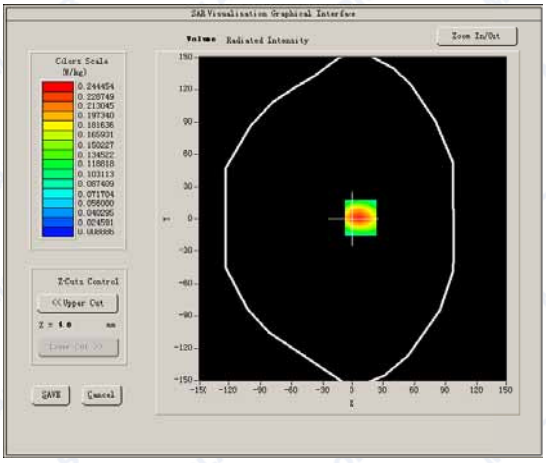
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 18900):

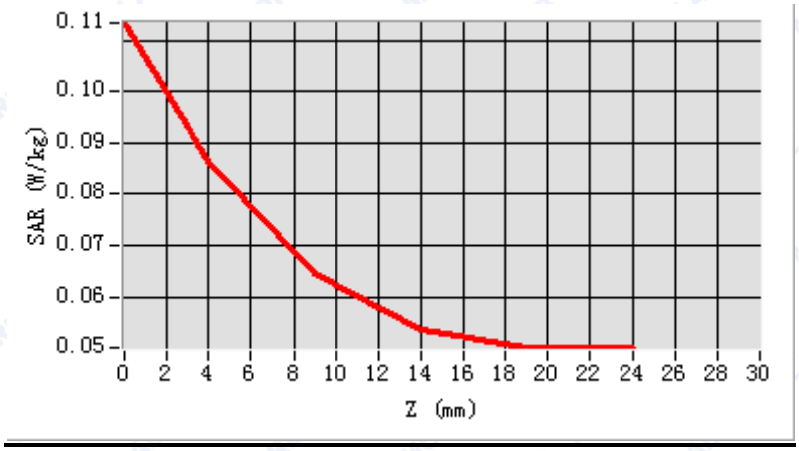
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | 1.400000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

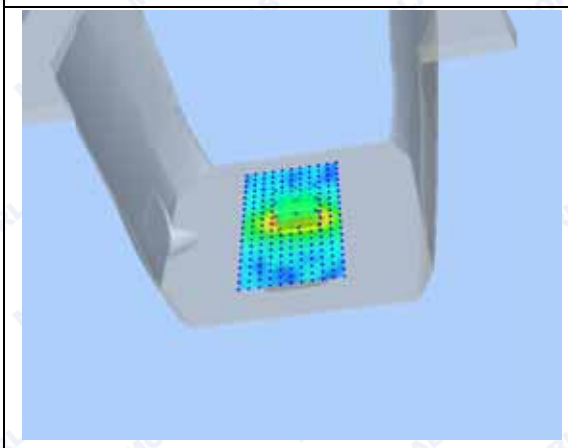
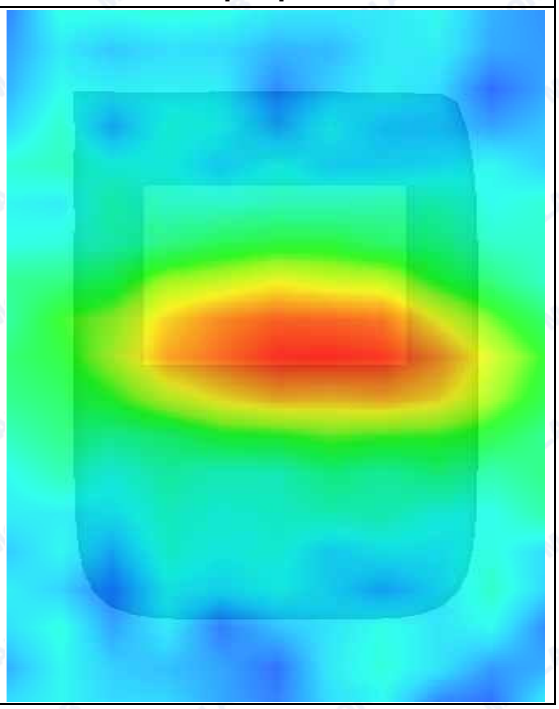
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=7.00, Y=1.00**
**SAR Peak: 0.18 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.023520 |
| **SAR 1g (W/Kg)** | 0.058204 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 72 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 31 seconds

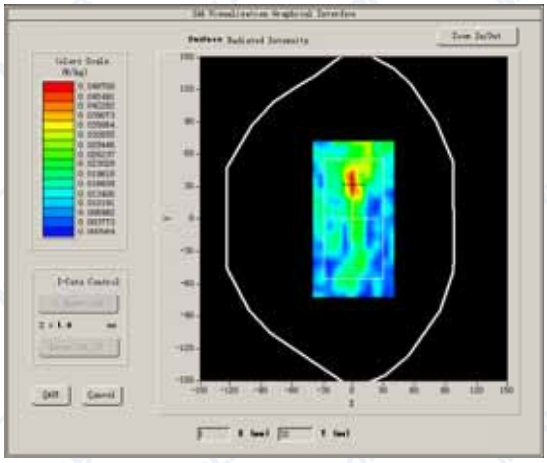
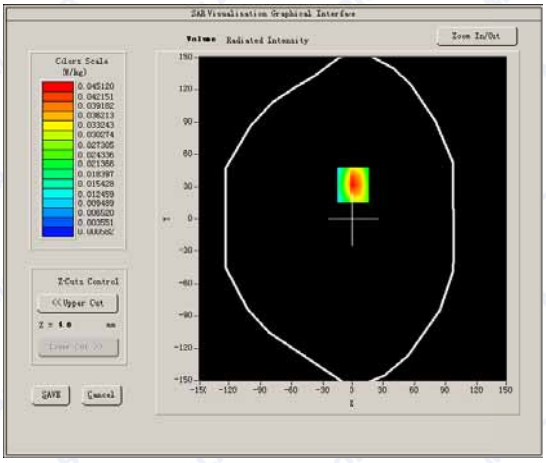
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 18900):

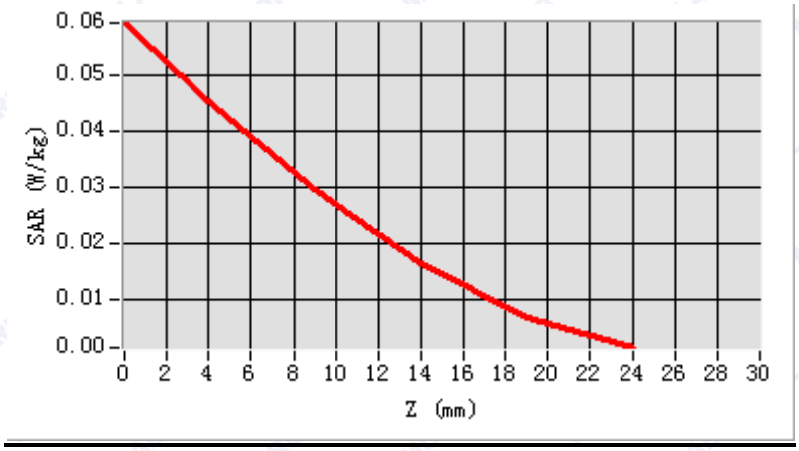
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | 1.400000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

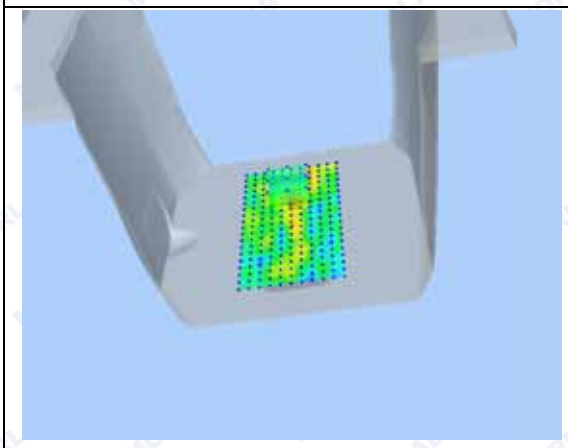
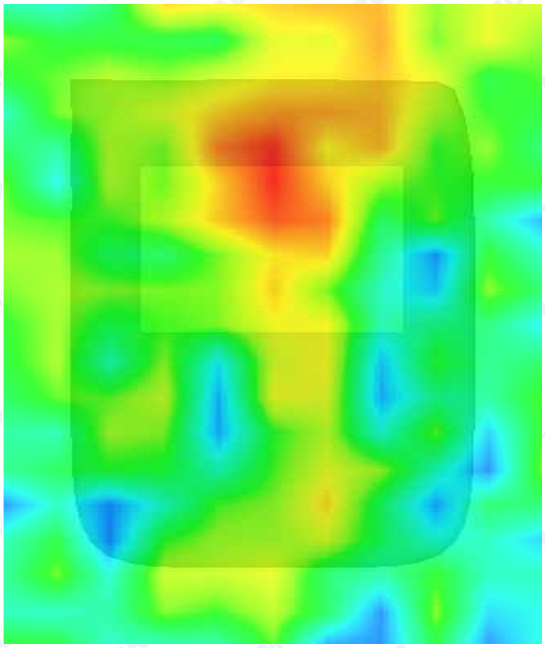
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=0.00, Y=32.00**
**SAR Peak: 0.07 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.015107 |
| **SAR 1g (W/Kg)** | 0.021774 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 73 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 29 seconds

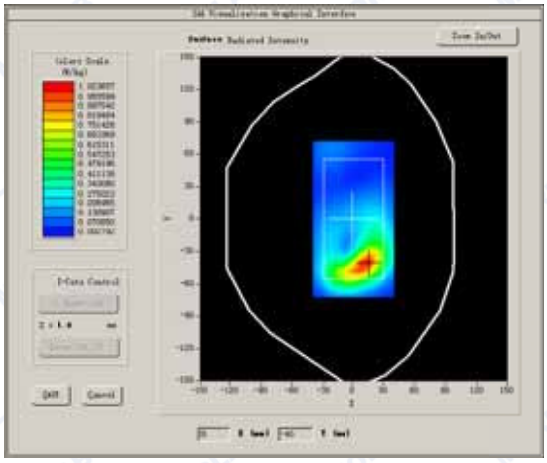
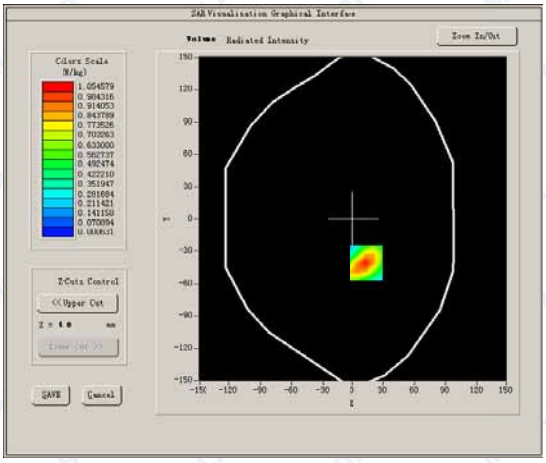
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_100RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 18900):

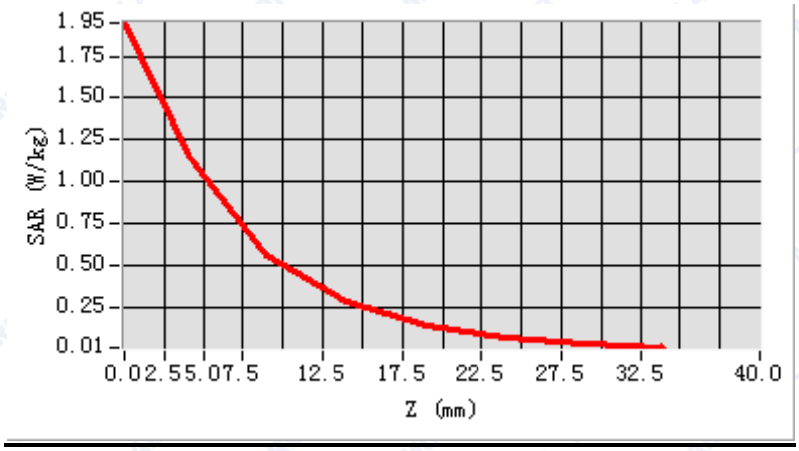
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | 1.400000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

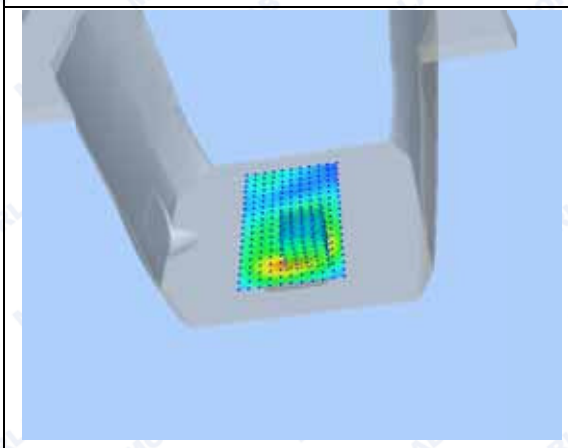
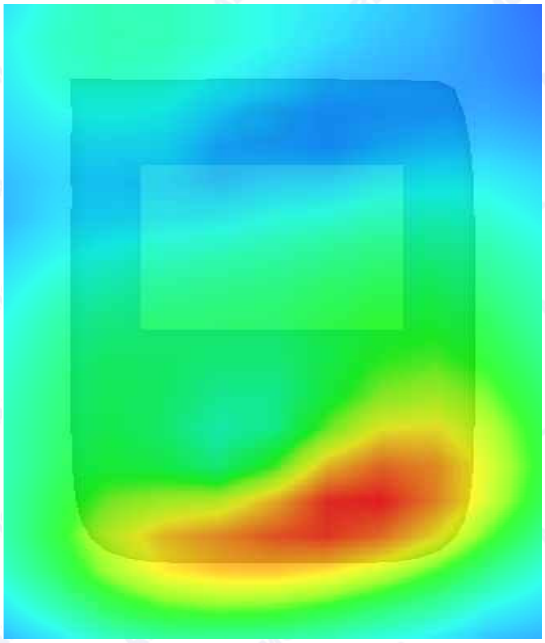
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-8.00, Y=-2.00**
**SAR Peak: 1.93 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.521090 |
| **SAR 1g (W/Kg)** | 1.058364 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 74 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 29 seconds

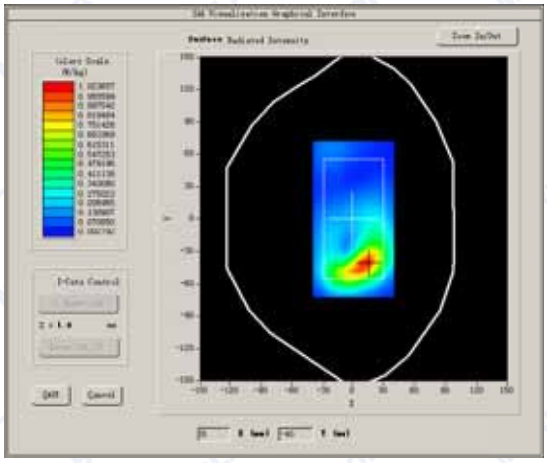
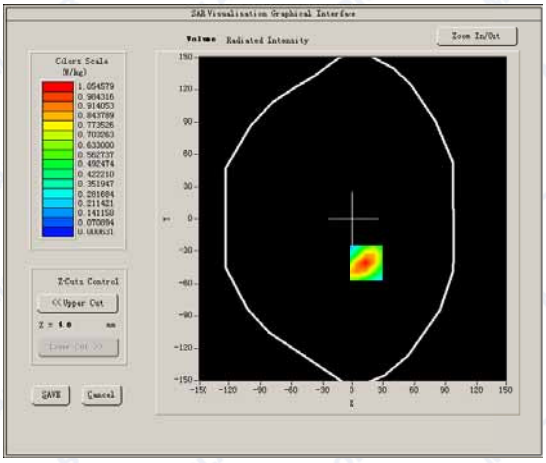
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND2 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_100RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 18900):

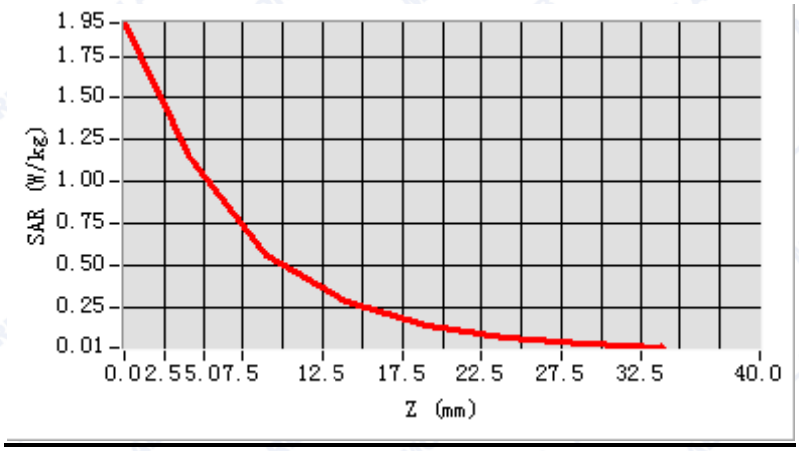
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | 1.400000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

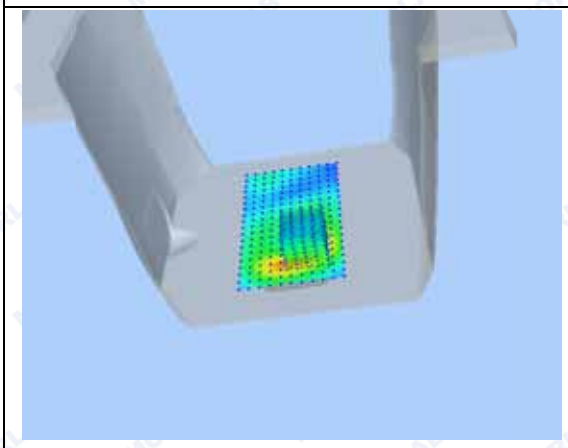
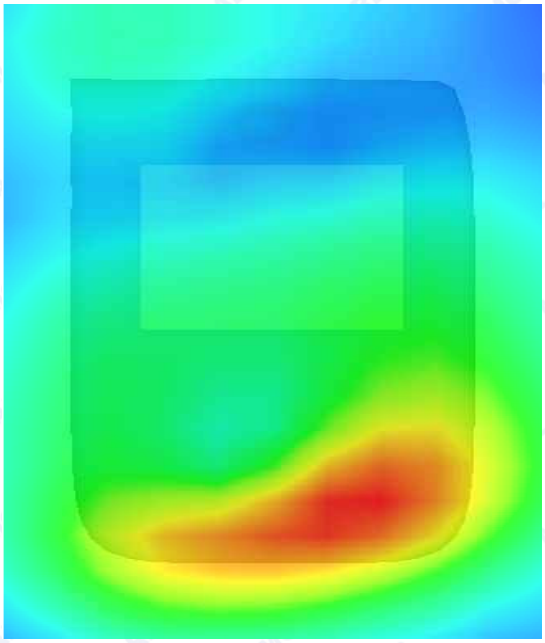
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-8.00, Y=-2.00**
**SAR Peak: 1.93 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.721090 |
| **SAR 1g (W/Kg)** | 1.242052 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 75 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 31 seconds

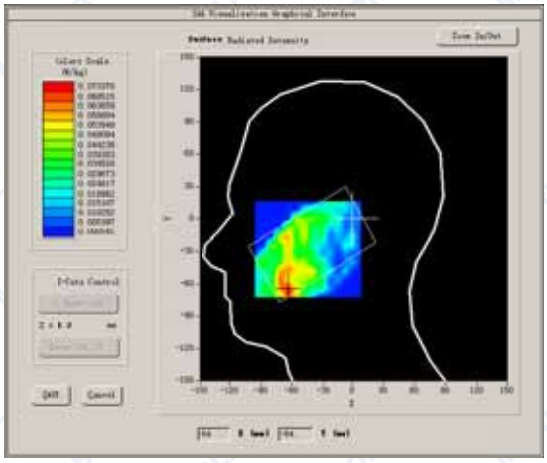
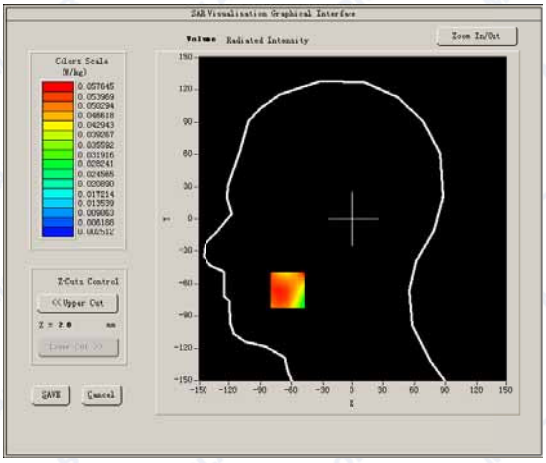
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Right head |
| **Device Position** | Cheek |
| **Band** | LTE BAND4 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 20175):

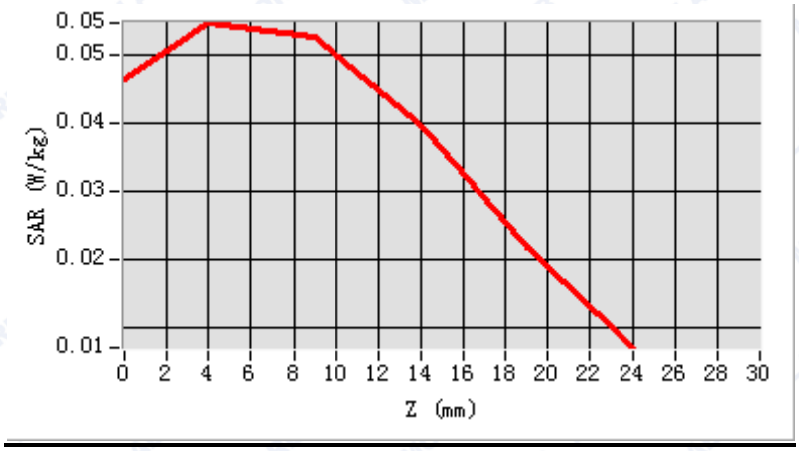
| | |
|---|---|
| **Frequency (MHz)** | 1732.500000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

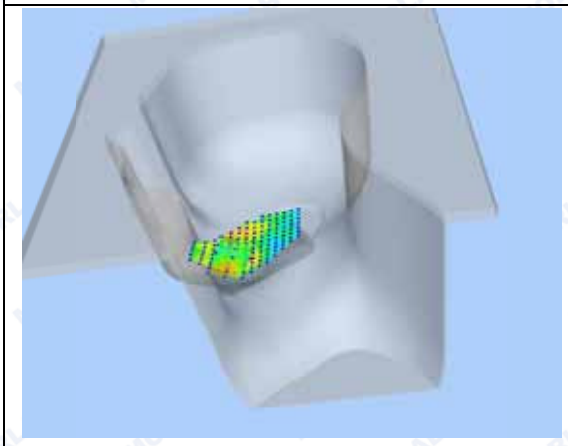
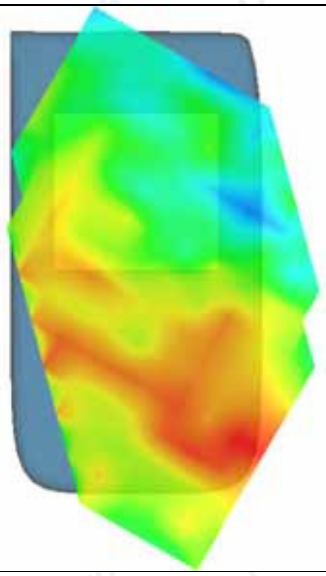
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-64.00, Y=-66.00**
**SAR Peak: 0.11 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.040998 |
| **SAR 1g (W/Kg)** | 0.061298 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 76 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 33 seconds

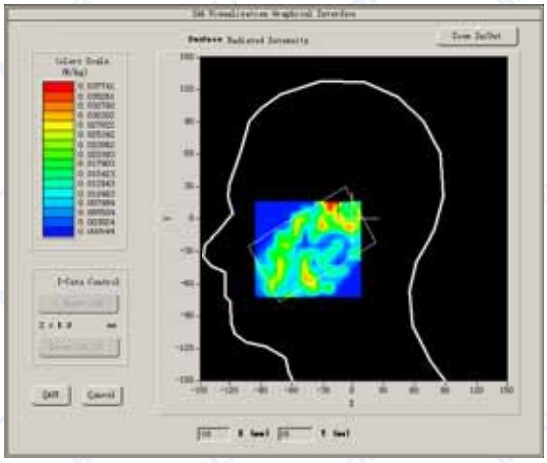
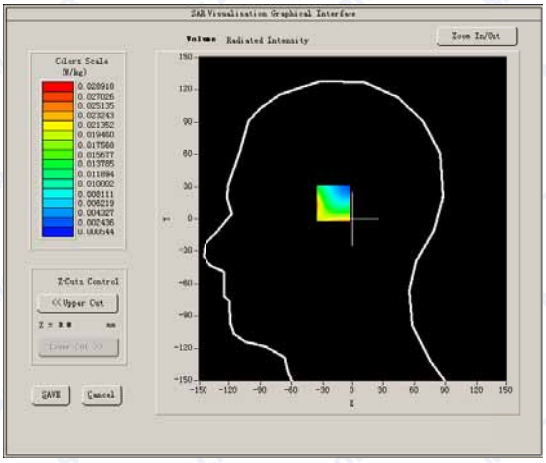
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Right head |
| **Device Position** | Tilt |
| **Band** | LTE BAND4 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 20175):

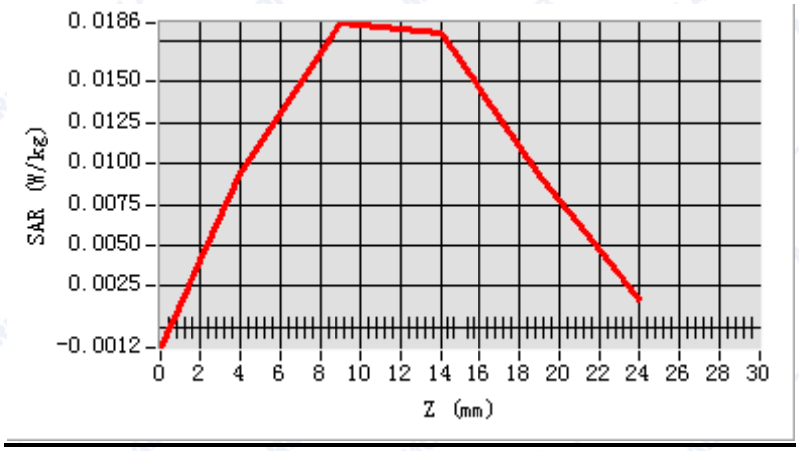
| | |
|---|---|
| **Frequency (MHz)** | 1732.500000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

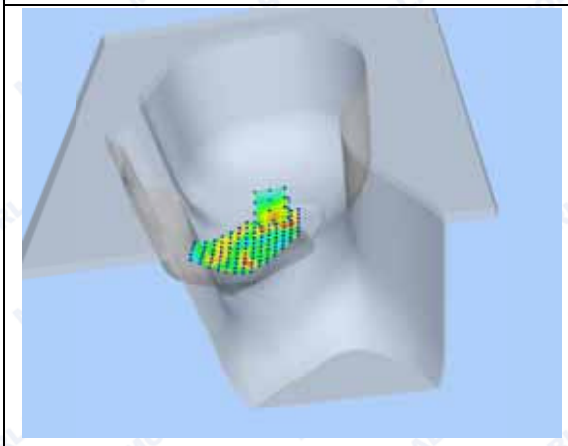
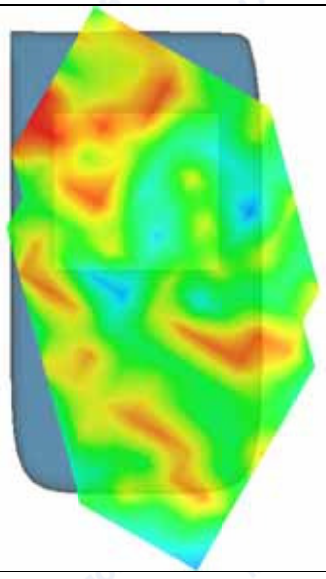
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-18.00, Y=16.00**
**SAR Peak: 0.04 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.017317 |
| **SAR 1g (W/Kg)** | 0.020437 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 77 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 35 seconds

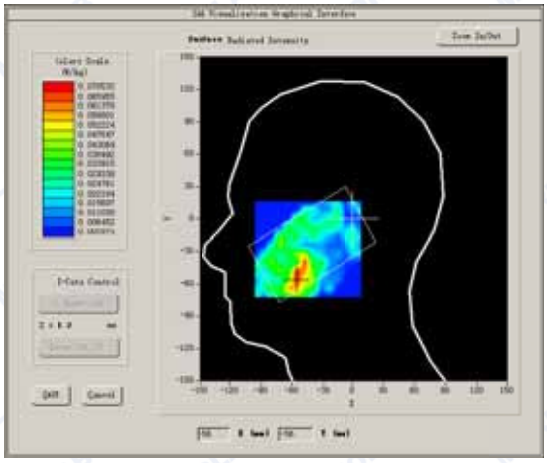
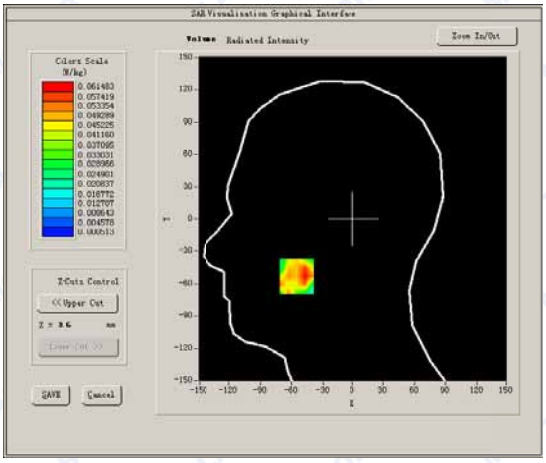
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Left head |
| **Device Position** | Cheek |
| **Band** | LTE BAND4 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 20175):

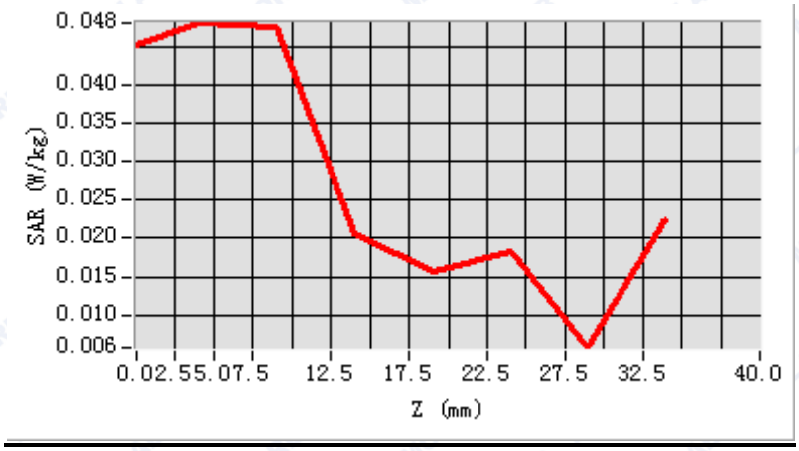
| | |
|---|---|
| **Frequency (MHz)** | 1732.500000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

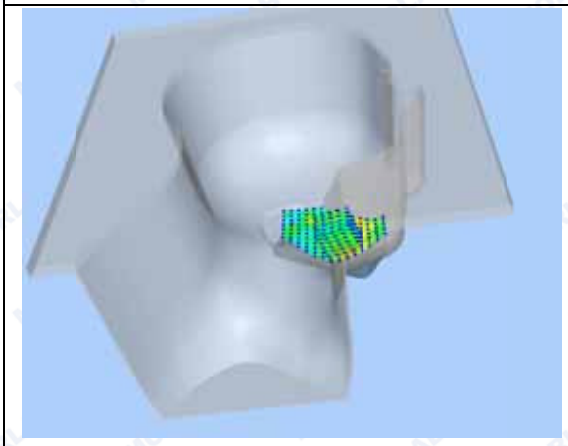
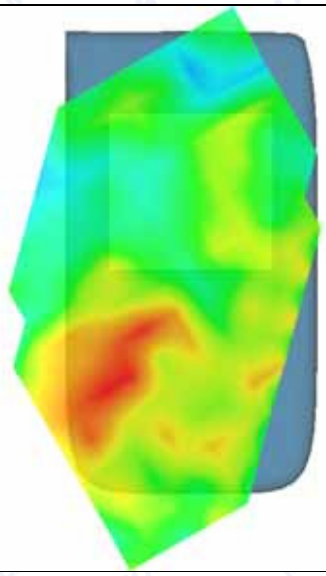
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-55.00, Y=-53.00**
**SAR Peak: 0.12 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.036133 |
| **SAR 1g (W/Kg)** | 0.060768 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 78 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 33 seconds

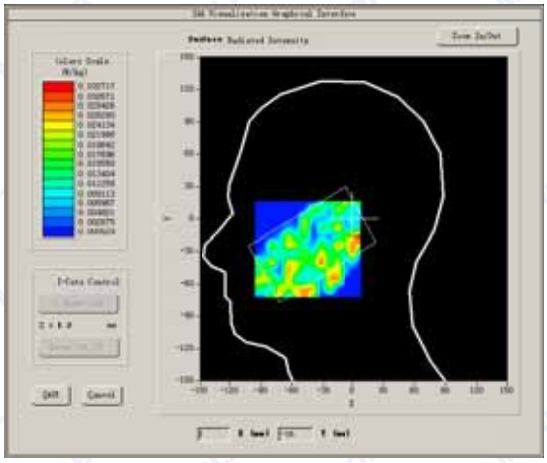
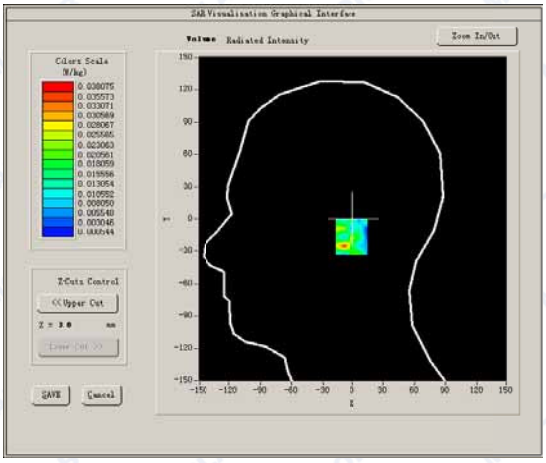
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Left head |
| **Device Position** | Tilt |
| **Band** | LTE BAND4 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 20175):

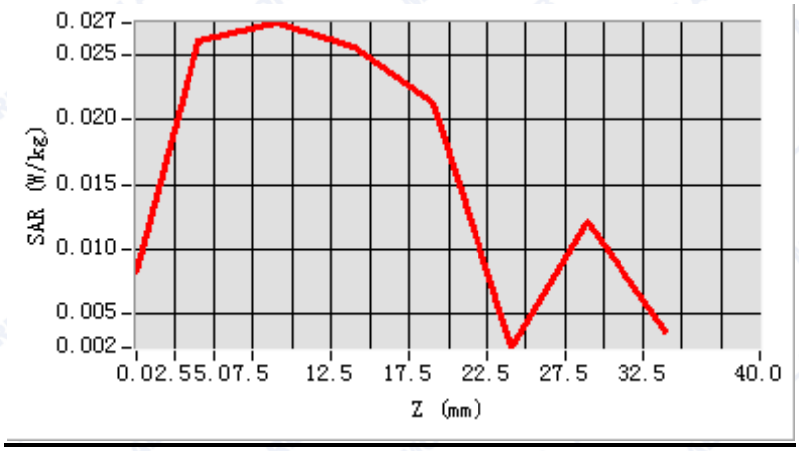
| | |
|---|---|
| **Frequency (MHz)** | 1732.500000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

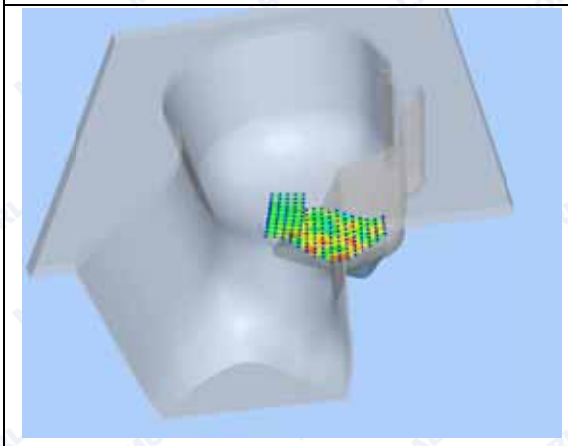
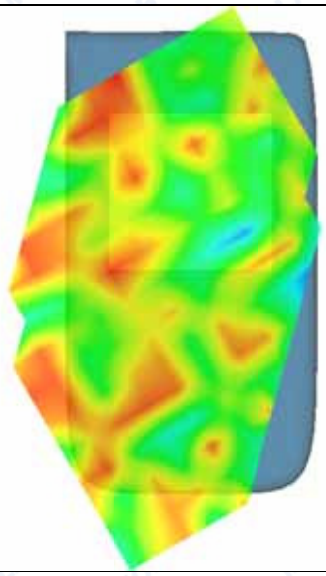
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=8.00, Y=-17.00**
**SAR Peak: 0.08 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.014773 |
| **SAR 1g (W/Kg)** | 0.022130 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 79 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 35 seconds

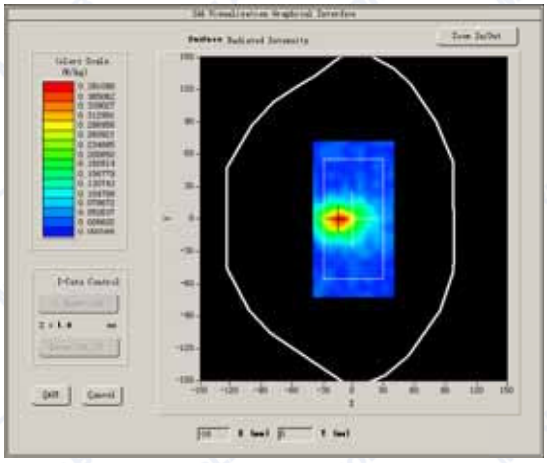
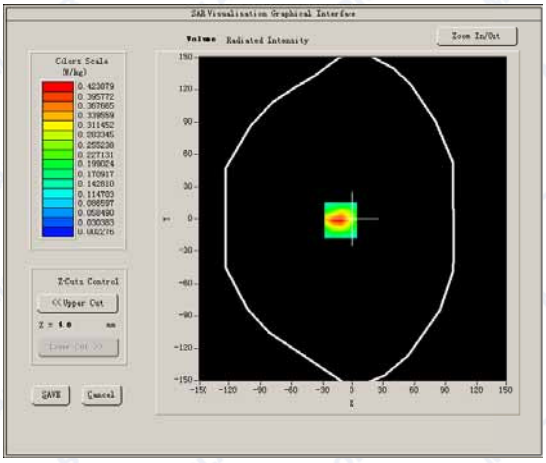
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | LTE Band4 (20MHz) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 99 |

## B. SAR Measurement Results

Middle Band SAR (Channel 20175):

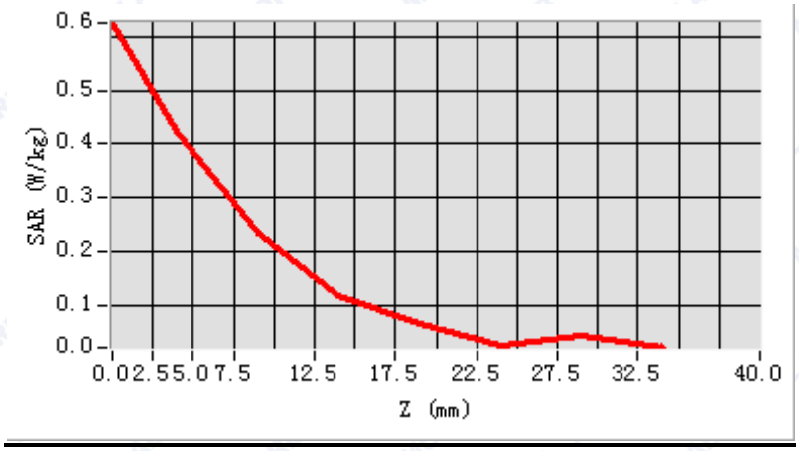
| | |
|---|---|
| **Frequency (MHz)** | 1732.500000 |
| **Relative permittivity (real part)** | 53.560397 |
| **Conductivity (S/m)** | 1.468859 |
| **Power drift (%)** | -0.150000 |
| **Ambient Temperature:** | 22.4°C |
| **Liquid Temperature:** | 21.9°C |
| **ConvF:** | 5.51 |
| **Crest factor:** | 1:1 |

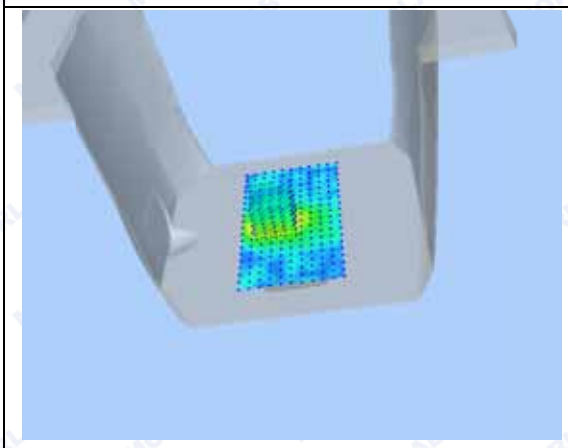
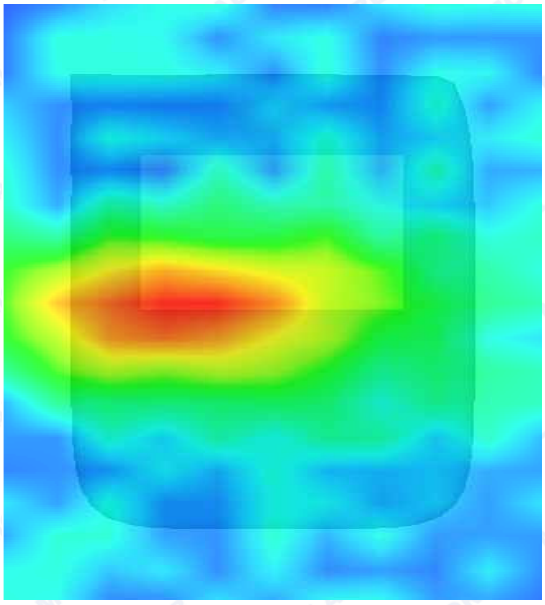
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-12.00, Y=-1.00**
**SAR Peak: 0.71 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.210941 |
| **SAR 1g (W/Kg)** | 0.419414 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 80 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 31 seconds

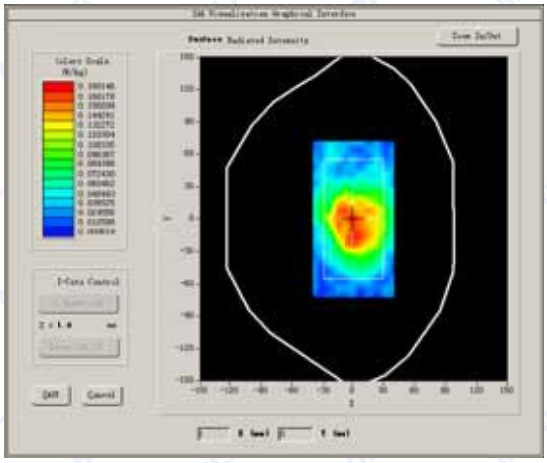
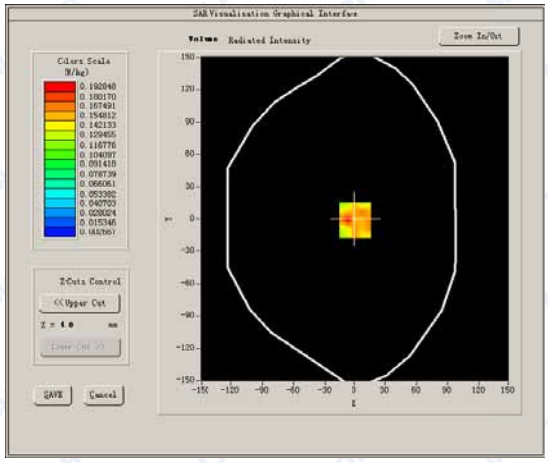
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | LTE Band4 (20MHz) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 99 |

## B. SAR Measurement Results

Middle Band SAR (Channel 20175):

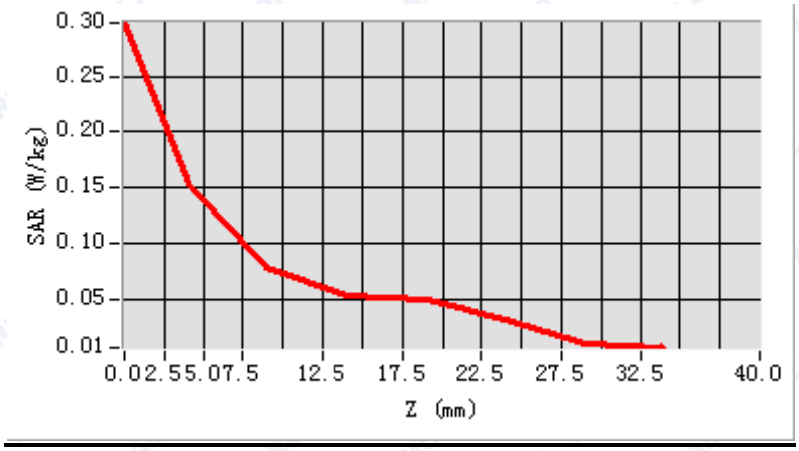
| | |
|---|---|
| **Frequency (MHz)** | 1732.500000 |
| **Relative permittivity (real part)** | 53.560397 |
| **Conductivity (S/m)** | 1.468859 |
| **Power drift (%)** | -0.150000 |
| **Ambient Temperature:** | 22.4°C |
| **Liquid Temperature:** | 21.9°C |
| **ConvF:** | 5.51 |
| **Crest factor:** | 1:1 |

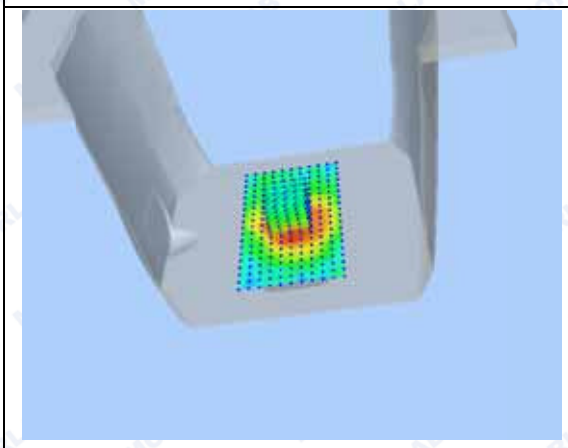
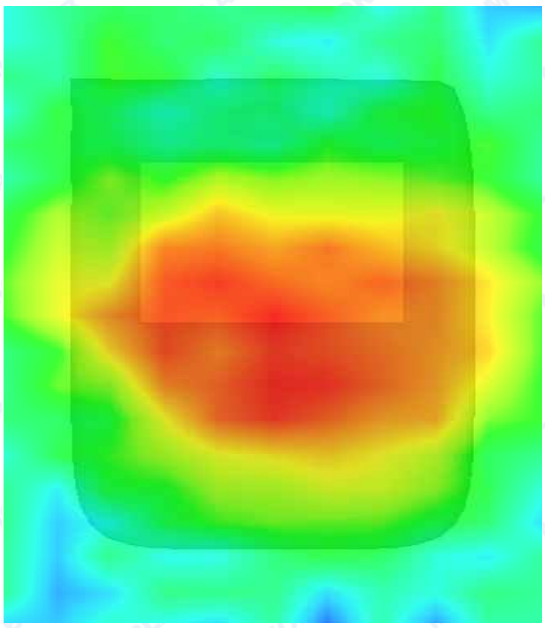
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=0.00, Y=-1.00**
**SAR Peak: 0.35 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.106289 |
| **SAR 1g (W/Kg)** | 0.191911 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 81 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 35 seconds

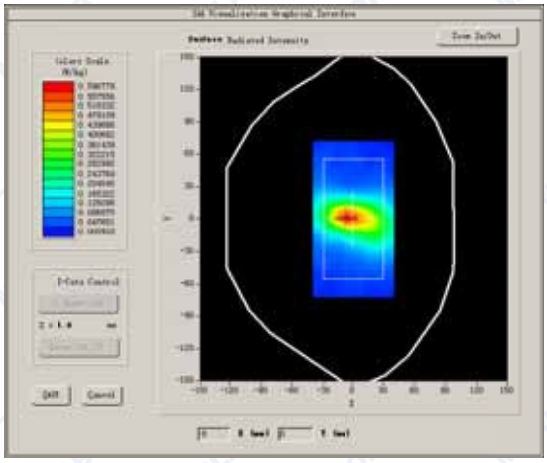
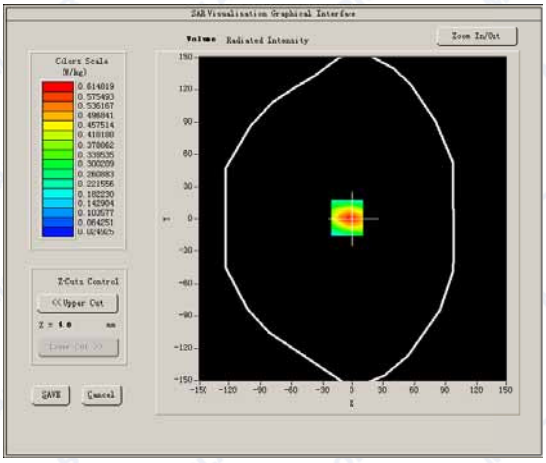
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | LTE Band4 (20MHz) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 99 |

## B. SAR Measurement Results

Middle Band SAR (Channel 20175):

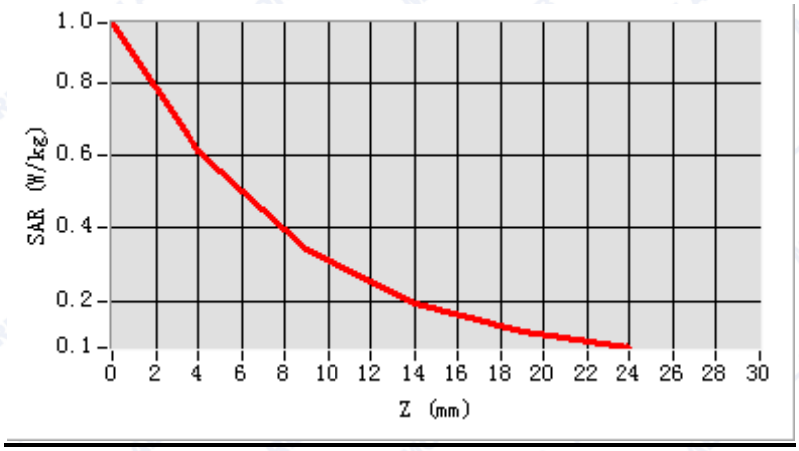
| | |
|---|---|
| **Frequency (MHz)** | 1732.500000 |
| **Relative permittivity (real part)** | 53.560397 |
| **Conductivity (S/m)** | 1.468859 |
| **Power drift (%)** | -0.150000 |
| **Ambient Temperature:** | 22.4°C |
| **Liquid Temperature:** | 21.9°C |
| **ConvF:** | 5.51 |
| **Crest factor:** | 1:1 |

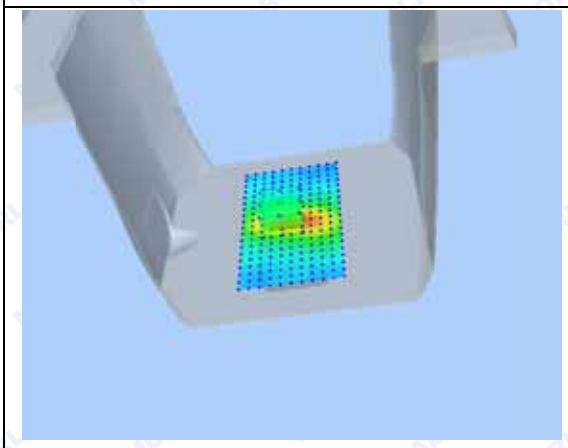
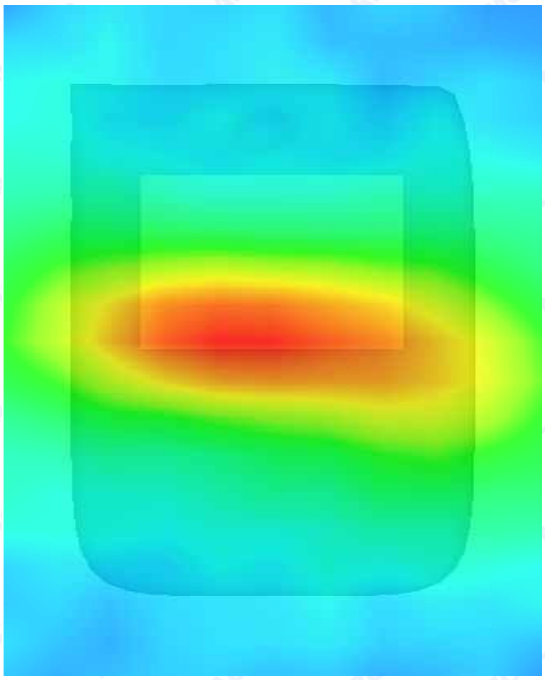
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-6.00, Y=1.00**
**SAR Peak: 1.05 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.336541 |
| **SAR 1g (W/Kg)** | 0.711268 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 82 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 31 seconds

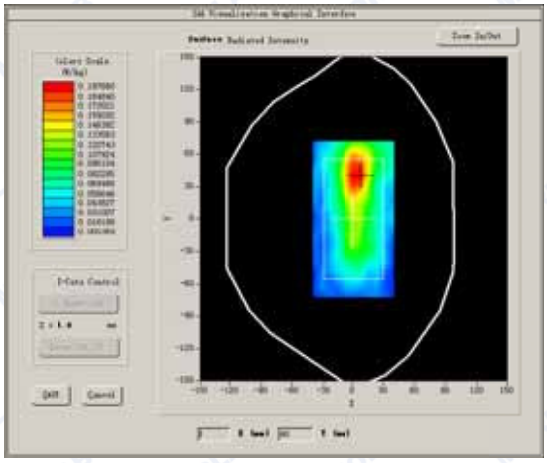
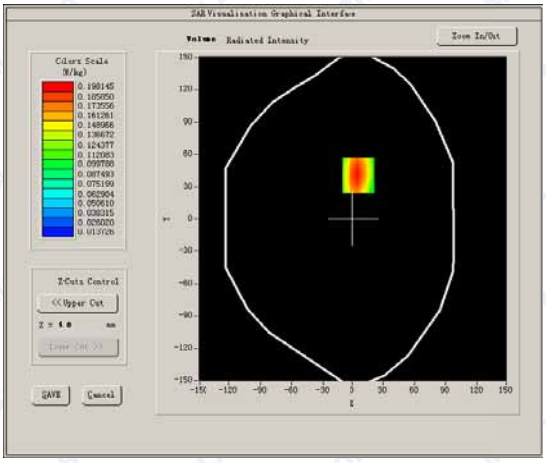
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | LTE Band4 (20MHz) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 99 |

## B. SAR Measurement Results

Middle Band SAR (Channel 20175):

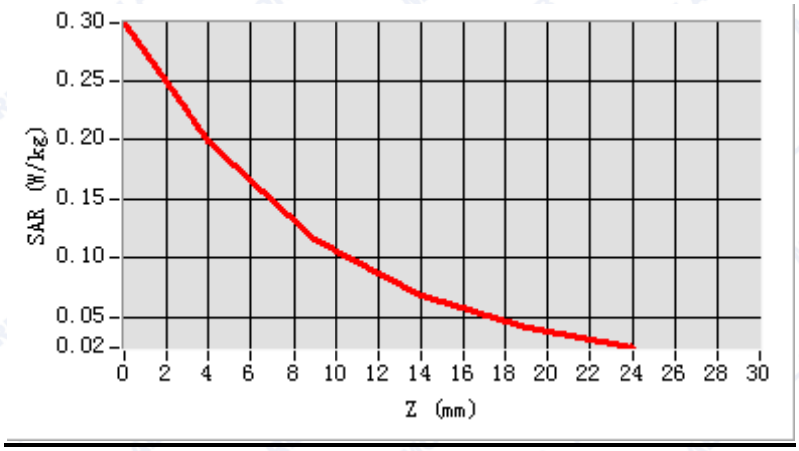
| | |
|---|---|
| **Frequency (MHz)** | 1732.500000 |
| **Relative permittivity (real part)** | 53.560397 |
| **Conductivity (S/m)** | 1.468859 |
| **Power drift (%)** | -0.150000 |
| **Ambient Temperature:** | 22.4°C |
| **Liquid Temperature:** | 21.9°C |
| **ConvF:** | 5.51 |
| **Crest factor:** | 1:1 |

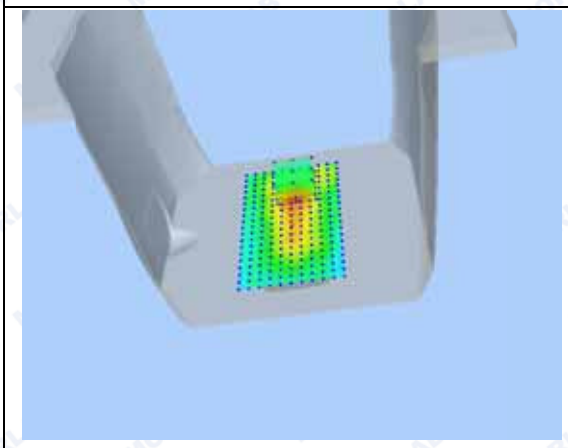
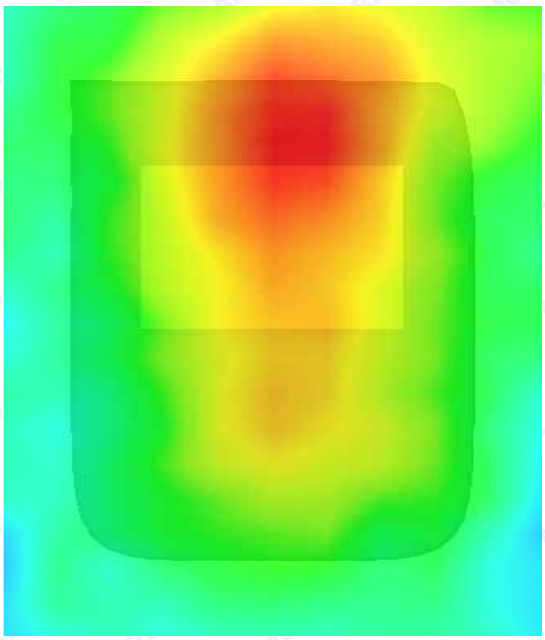
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=5.00, Y=41.00**
**SAR Peak: 0.33 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.018529 |
| **SAR 1g (W/Kg)** | 0.047752 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 83 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 35 seconds

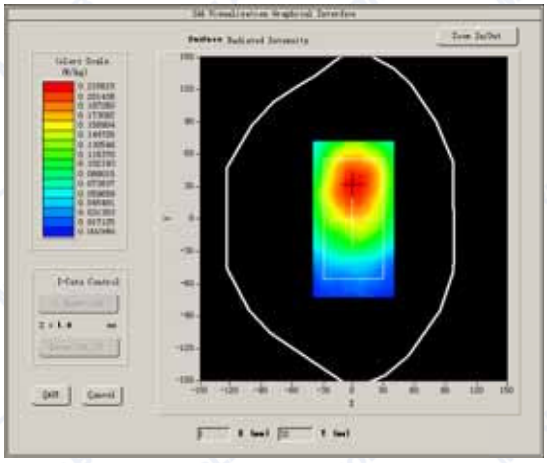
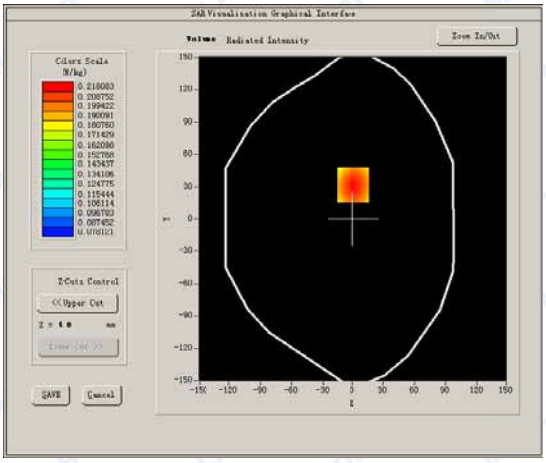
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | LTE Band4 (20MHz) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 99 |

## B. SAR Measurement Results

Middle Band SAR (Channel 20175):

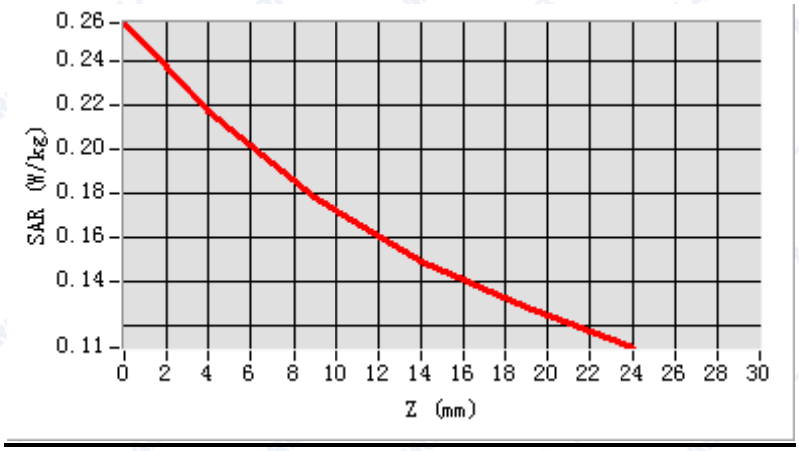
| | |
|---|---|
| **Frequency (MHz)** | 1732.500000 |
| **Relative permittivity (real part)** | 53.560397 |
| **Conductivity (S/m)** | 1.468859 |
| **Power drift (%)** | -0.150000 |
| **Ambient Temperature:** | 22.4°C |
| **Liquid Temperature:** | 21.9°C |
| **ConvF:** | 5.51 |
| **Crest factor:** | 1:1 |

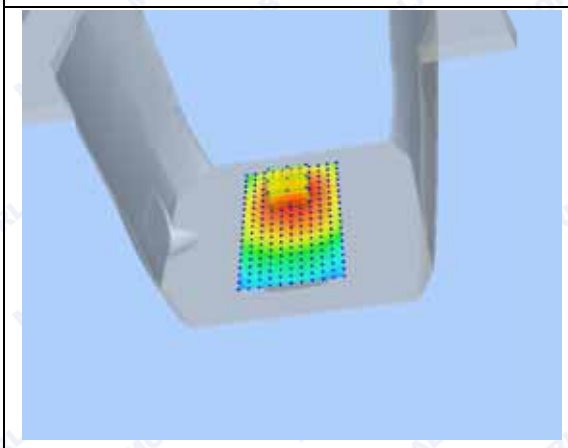
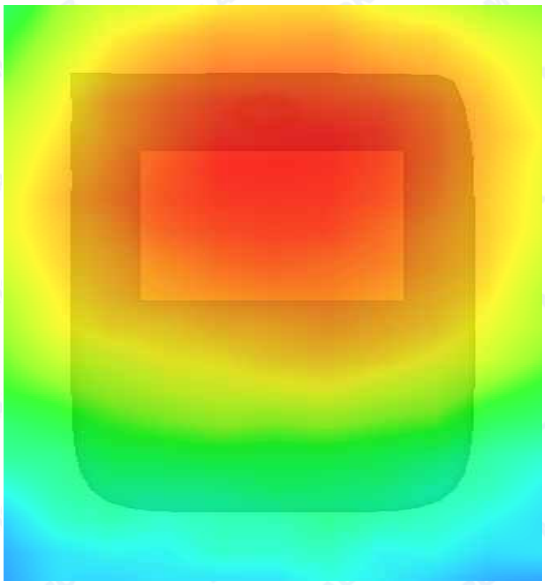
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=0.00, Y=32.00**
**SAR Peak: 0.29 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.010223 |
| **SAR 1g (W/Kg)** | 0.041062 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 84 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 31 seconds

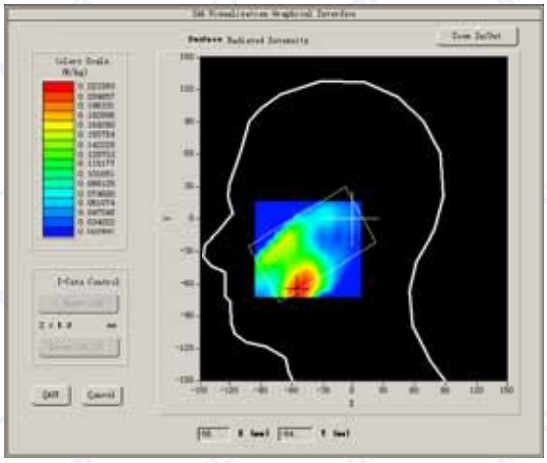
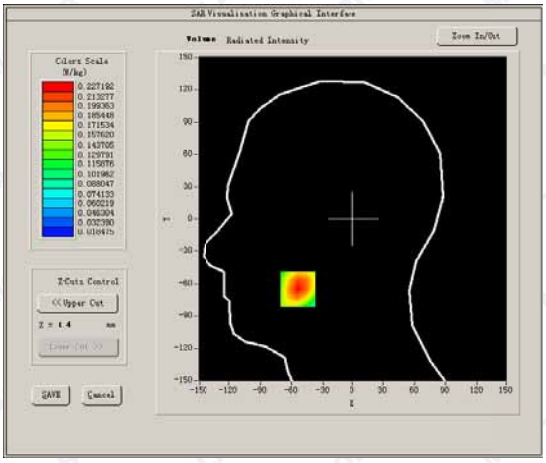
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Right head |
| **Device Position** | Cheek |
| **Band** | LTE BAND4 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 20175):

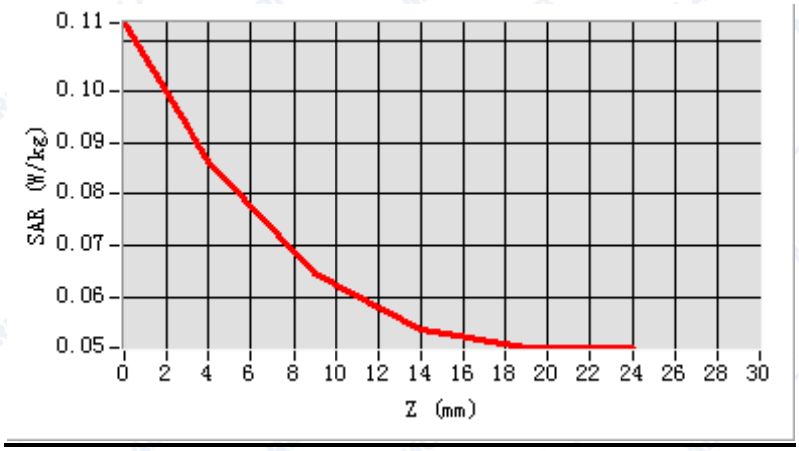
| | |
|---|---|
| **Frequency (MHz)** | 1732.500000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

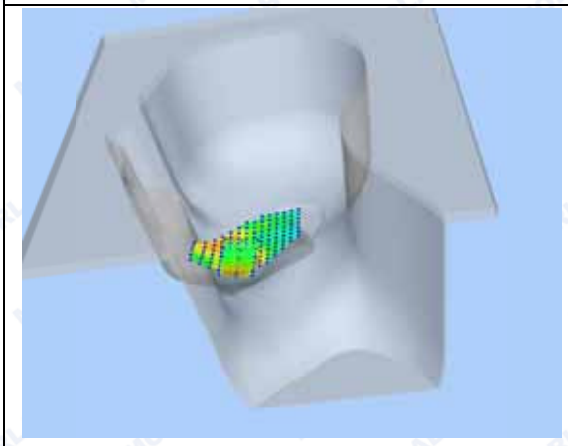
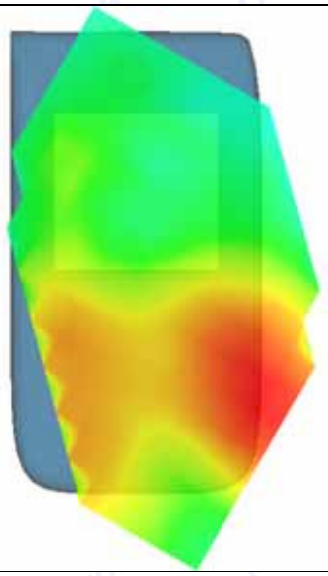
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-40.00, Y=-56.00**
**SAR Peak: 0.12 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.033997 |
| **SAR 1g (W/Kg)** | 0.057238 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 85 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 33 seconds

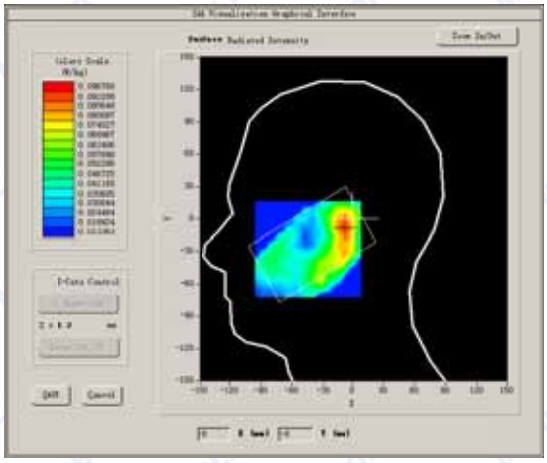
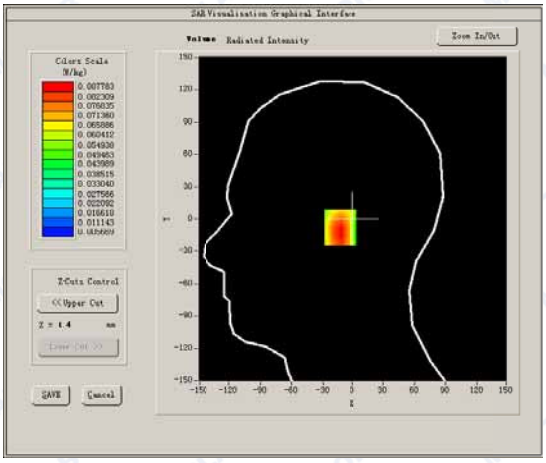
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Right head |
| **Device Position** | Tilt |
| **Band** | LTE BAND4 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 20175):

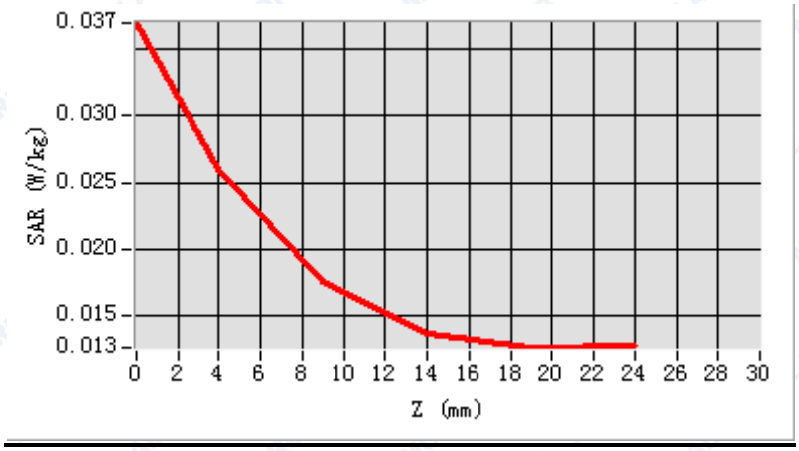
| | |
|---|---|
| **Frequency (MHz)** | 1732.500000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

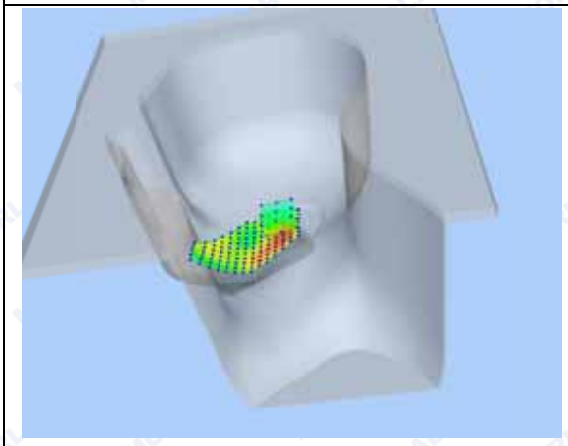
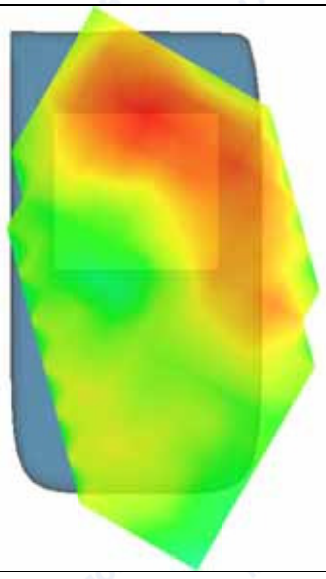
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=8.00, Y=-16.00**
**SAR Peak: 0.05 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.010634 |
| **SAR 1g (W/Kg)** | 0.013727 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 86 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 35 seconds

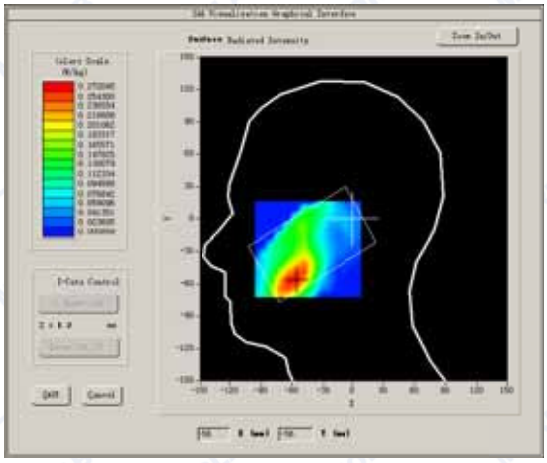
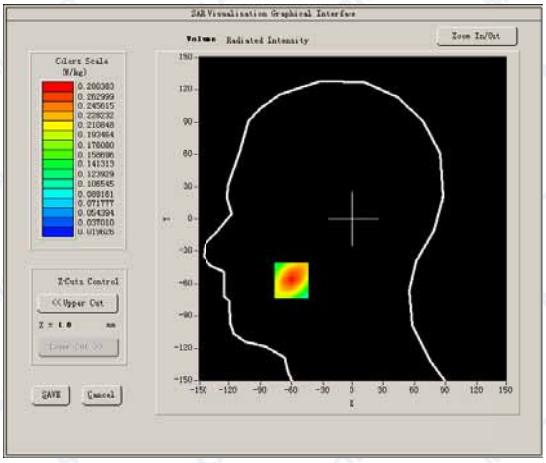
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Left head |
| **Device Position** | Cheek |
| **Band** | LTE BAND4 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 20175):

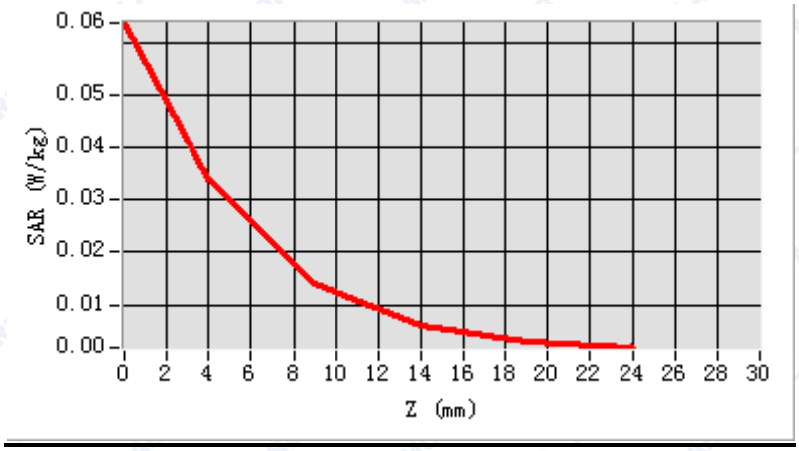
| | |
|---|---|
| **Frequency (MHz)** | 1732.500000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

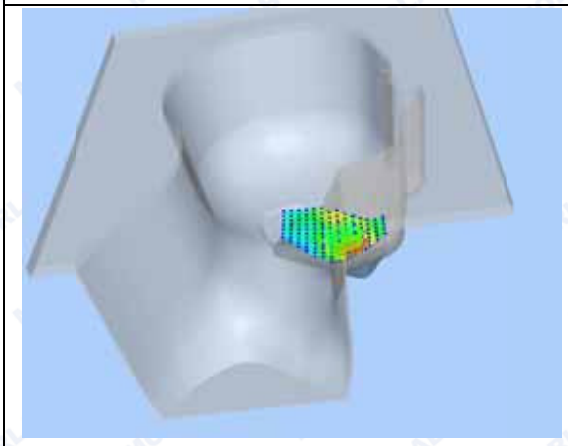
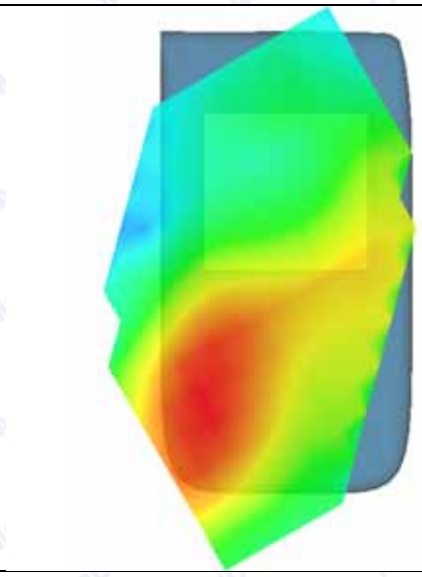
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**M ximum location: X=-9.00, Y=6.00**
**SAR Peak: 0.09 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.028814 |
| **SAR 1g (W/Kg)** | 0.063627 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 87 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 33 seconds

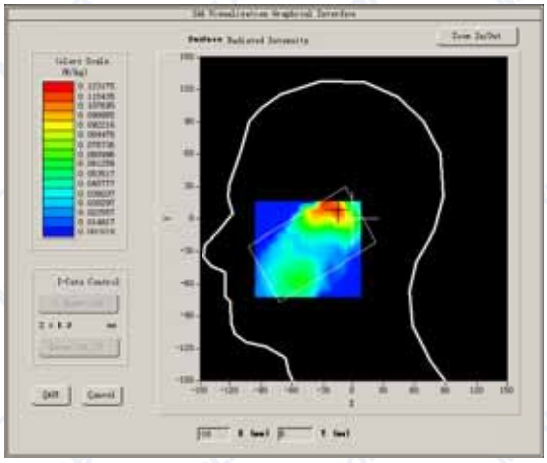
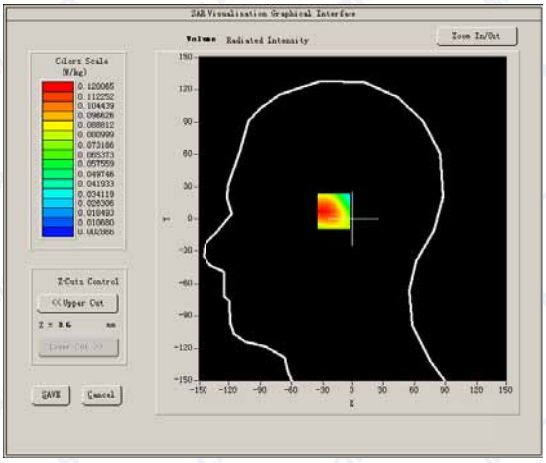
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Left head |
| **Device Position** | Tilt |
| **Band** | LTE BAND4 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 20175):

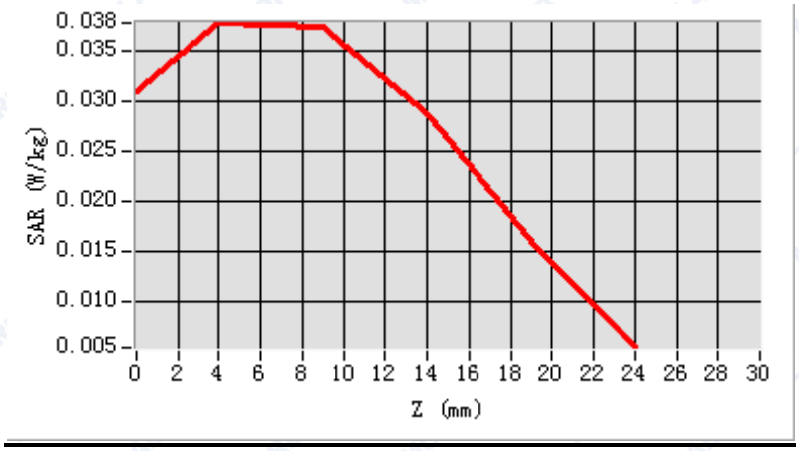
| | |
|---|---|
| **Frequency (MHz)** | 1732.500000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

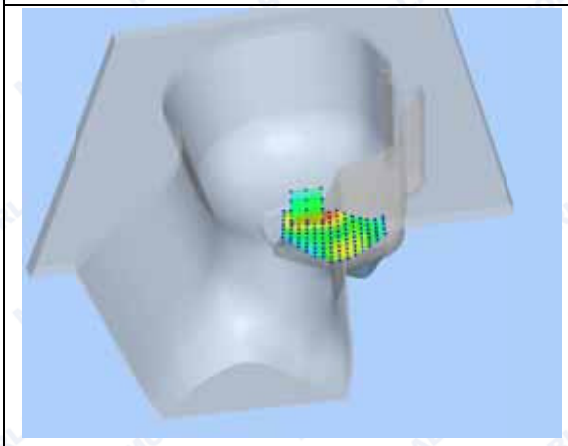
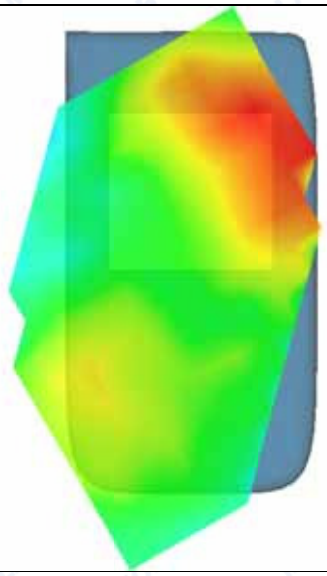
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**M aximum location: X=-13.00, Y=7.00**
**SAR Peak: 0.04 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.014945 |
| **SAR 1g (W/Kg)** | 0.021573 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 88 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 31 seconds

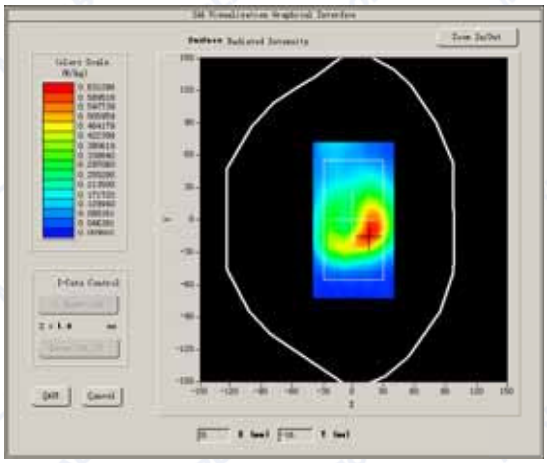
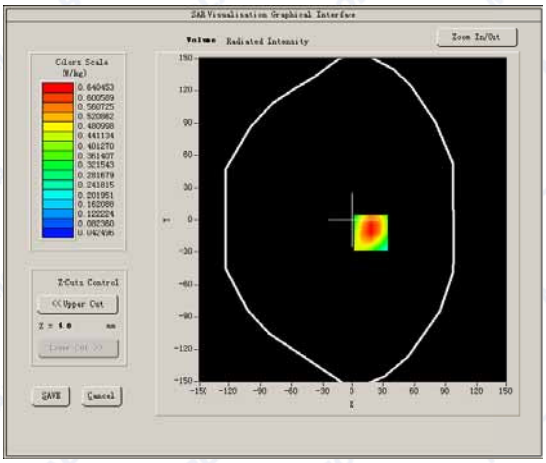
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | LTE Band4 (20MHz) |
| **Channels** | Low |
| **Signal** | QPSK_50RB_RB offset 99 |

## B. SAR Measurement Results

Low Band SAR (Channel 20050):

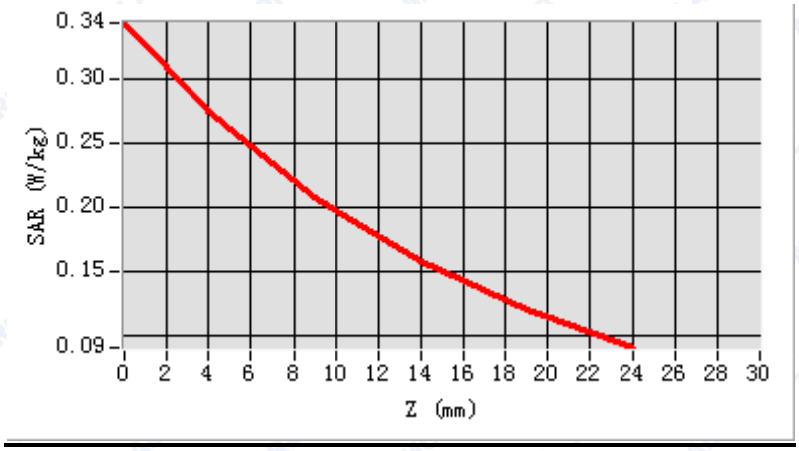
| | |
|---|---|
| **Frequency (MHz)** | 1720.000000 |
| **Relative permittivity (real part)** | 53.560397 |
| **Conductivity (S/m)** | 1.468859 |
| **Power drift (%)** | -2.390000 |
| **Ambient Temperature:** | 22.4°C |
| **Liquid Temperature:** | 21.9°C |
| **ConvF:** | 5.51 |
| **Crest factor:** | 1:1 |

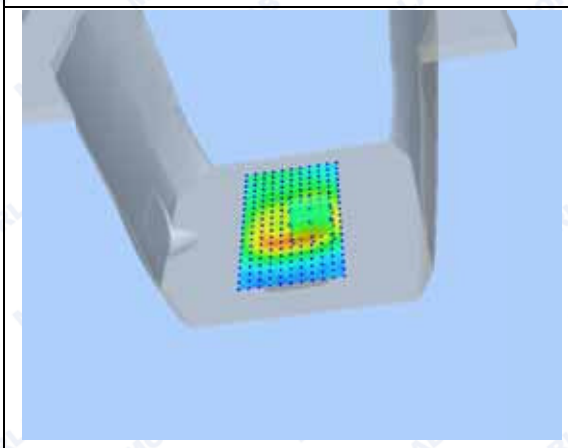
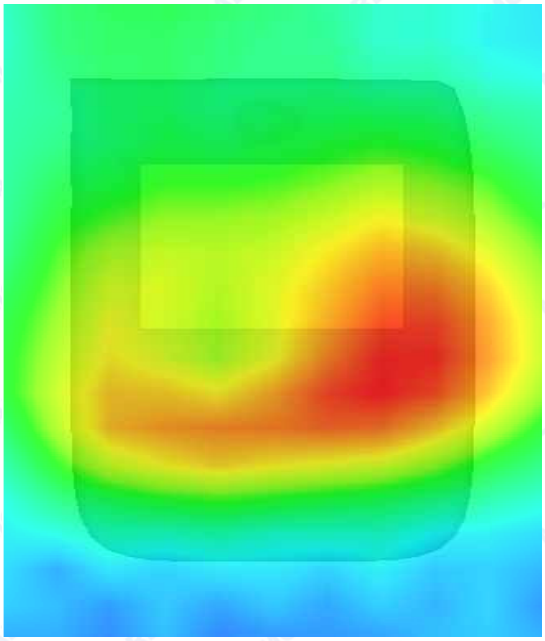
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=5.00, Y=-15.00**
**SAR Peak: 0.37 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.190612 |
| **SAR 1g (W/Kg)** | 0.231311 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 89 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 35 seconds

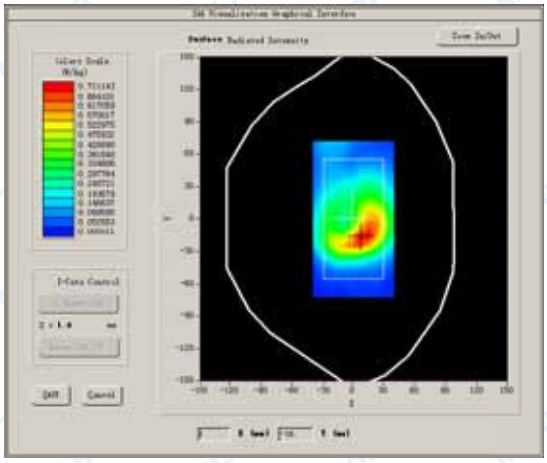
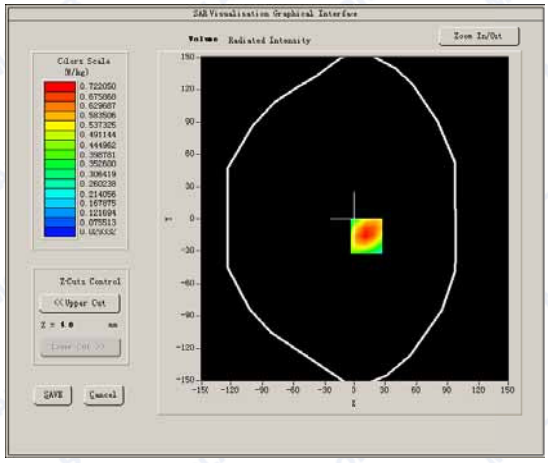
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | LTE Band4 (20MHz) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 99 |

## B. SAR Measurement Results

Middle Band SAR (Channel 20175):

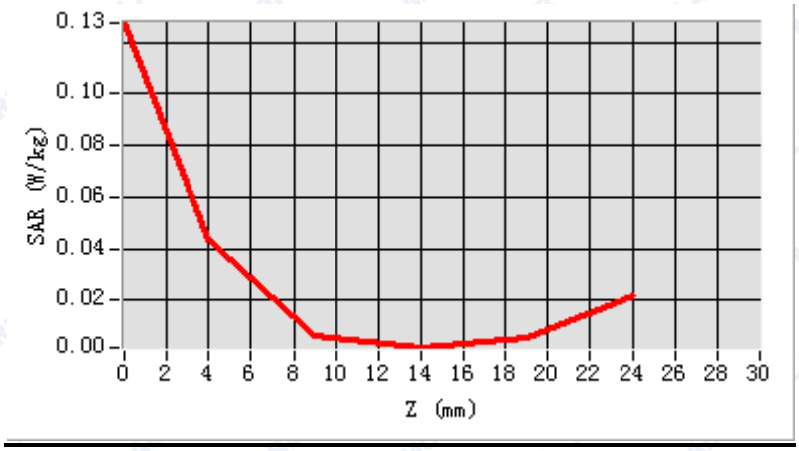
| | |
|---|---|
| **Frequency (MHz)** | 1732.500000 |
| **Relative permittivity (real part)** | 53.560397 |
| **Conductivity (S/m)** | 1.468859 |
| **Power drift (%)** | -0.150000 |
| **Ambient Temperature:** | 22.4°C |
| **Liquid Temperature:** | 21.9°C |
| **ConvF:** | 5.51 |
| **Crest factor:** | 1:1 |

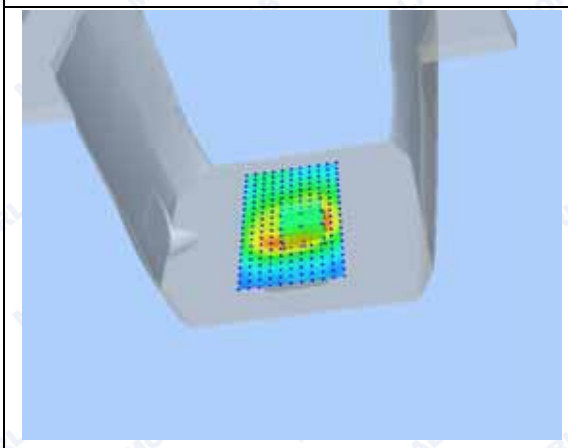
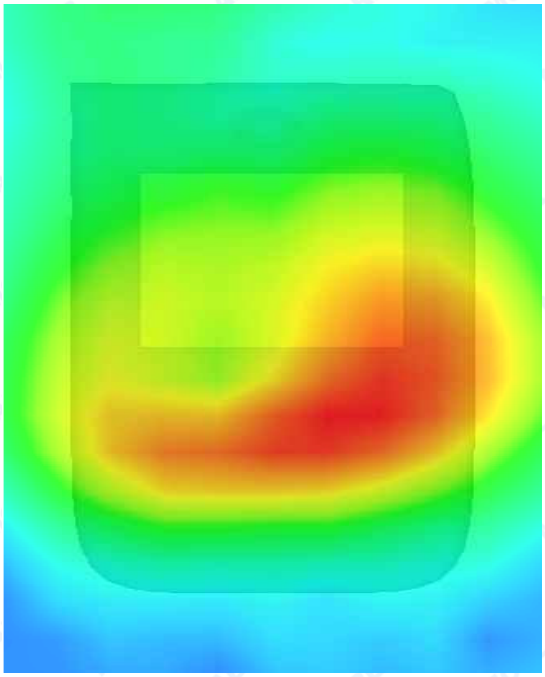
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=11.00, Y=-16.00**
**SAR Peak: 0.24 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.059521 |
| **SAR 1g (W/Kg)** | 0.124210 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 90 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 33 seconds

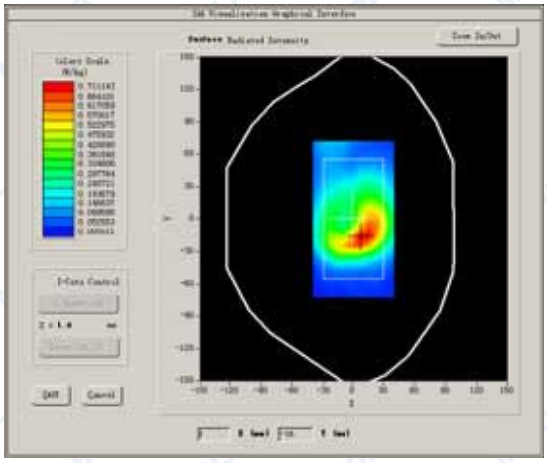
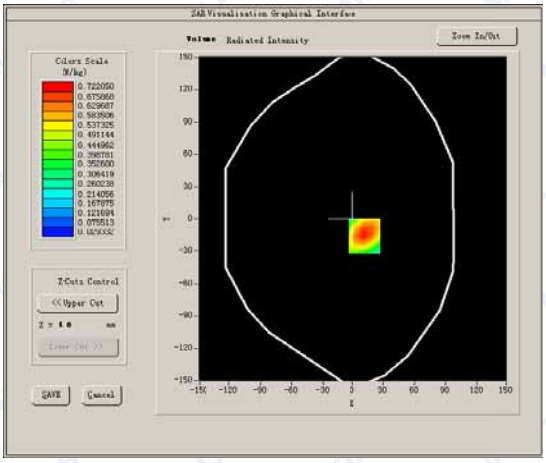
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | LTE Band4 (20MHz) |
| **Channels** | High |
| **Signal** | QPSK_50RB_RB offset 99 |

## B. SAR Measurement Results

High Band SAR (Channel 20300):

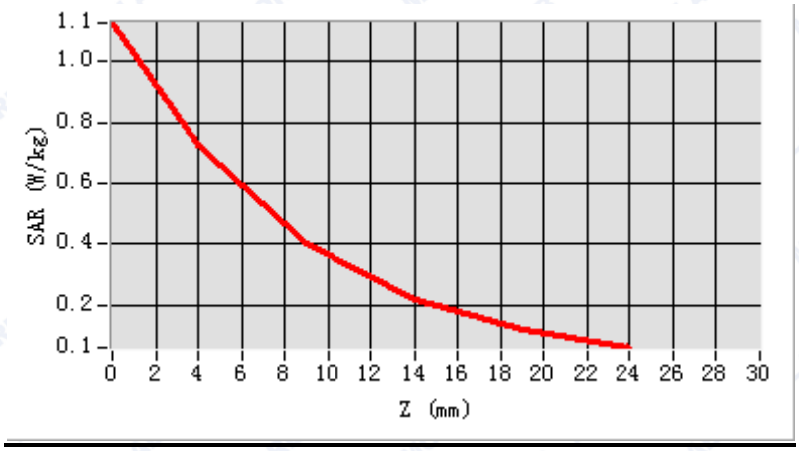
| | |
|---|---|
| **Frequency (MHz)** | 1744.500000 |
| **Relative permittivity (real part)** | 53.560397 |
| **Conductivity (S/m)** | 1.468859 |
| **Power drift (%)** | -1.210000 |
| **Ambient Temperature:** | 22.4°C |
| **Liquid Temperature:** | 21.9°C |
| **ConvF:** | 5.51 |
| **Crest factor:** | 1:1 |

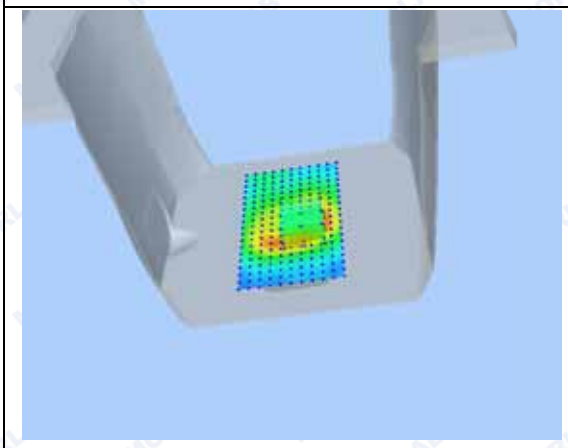
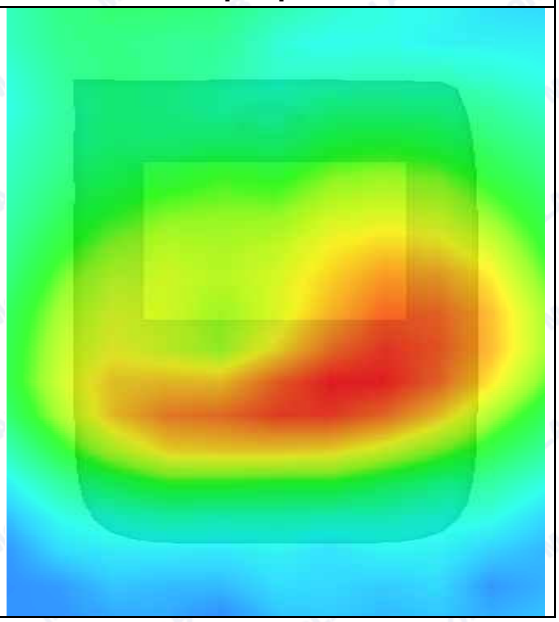
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=11.00, Y=-16.00**
**SAR Peak: 1.14 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.206530 |
| **SAR 1g (W/Kg)** | 0.556941 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 91 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 31 seconds

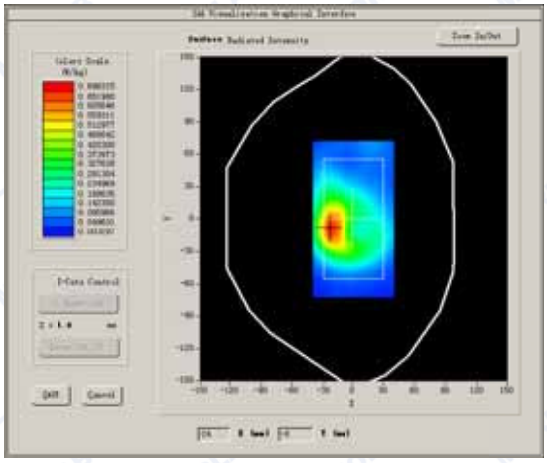
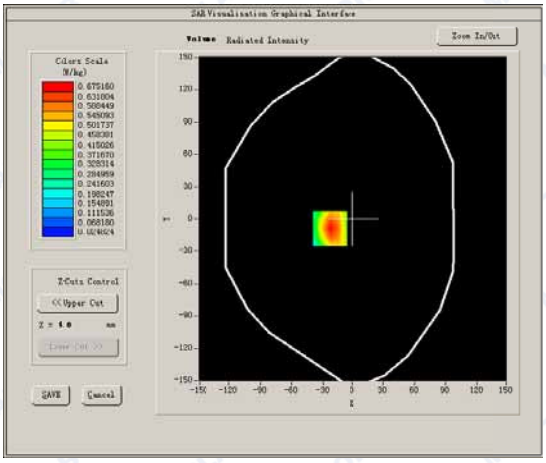
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | LTE Band4 (20MHz) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 99 |

## B. SAR Measurement Results

Middle Band SAR (Channel 20175):

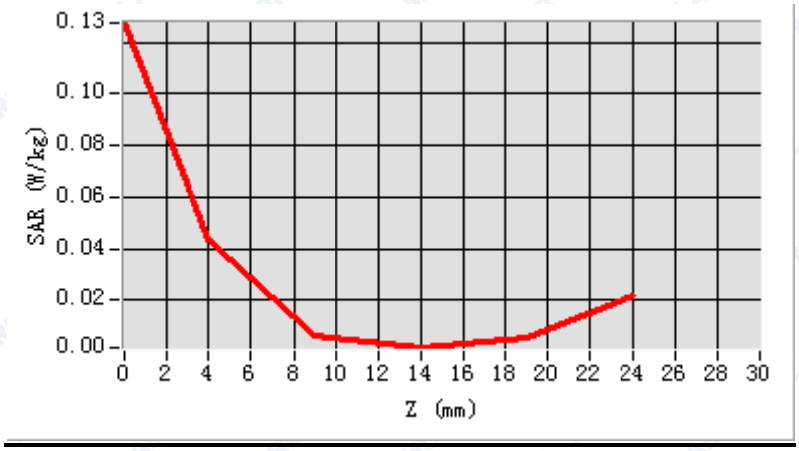
| | |
|---|---|
| **Frequency (MHz)** | 1732.500000 |
| **Relative permittivity (real part)** | 53.560397 |
| **Conductivity (S/m)** | 1.468859 |
| **Power drift (%)** | -0.150000 |
| **Ambient Temperature:** | 22.4°C |
| **Liquid Temperature:** | 21.9°C |
| **ConvF:** | 5.51 |
| **Crest factor:** | 1:1 |

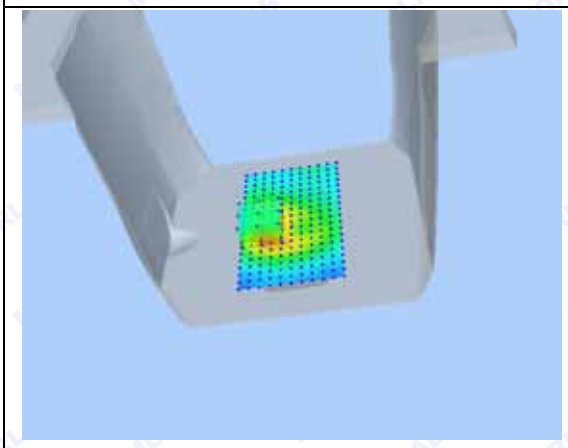
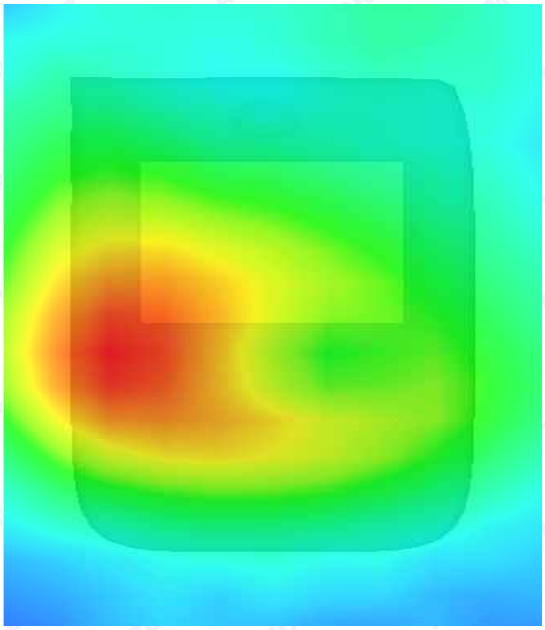
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-23.00, Y=16.00**
**SAR Peak: 0.13 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.020134 |
| **SAR 1g (W/Kg)** | 0.048235 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 92 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.27

Measurement duration: 9 minutes 35 seconds

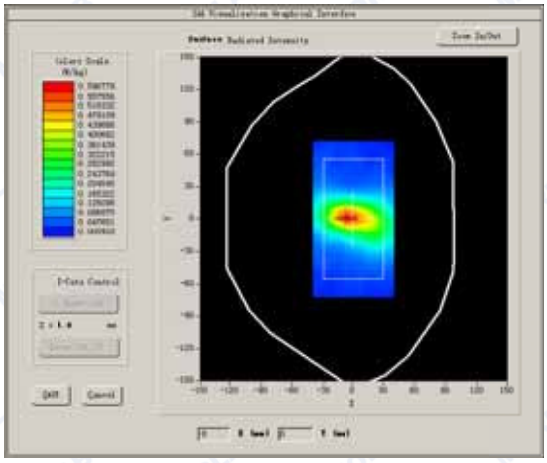
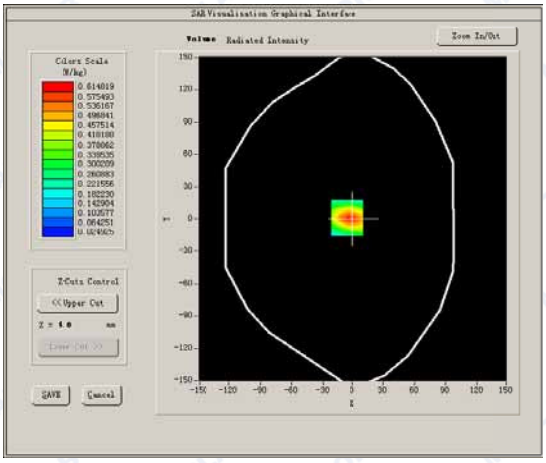
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | LTE Band4 (20MHz) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 99 |

## B. SAR Measurement Results

Middle Band SAR (Channel 20175):

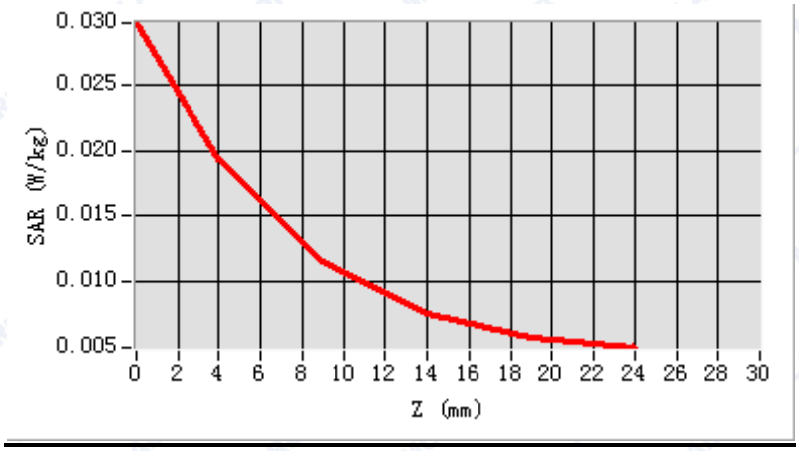
| | |
|---|---|
| **Frequency (MHz)** | 1732.500000 |
| **Relative permittivity (real part)** | 53.560397 |
| **Conductivity (S/m)** | 1.468859 |
| **Power drift (%)** | -0.150000 |
| **Ambient Temperature:** | 22.4°C |
| **Liquid Temperature:** | 21.9°C |
| **ConvF:** | 5.51 |
| **Crest factor:** | 1:1 |

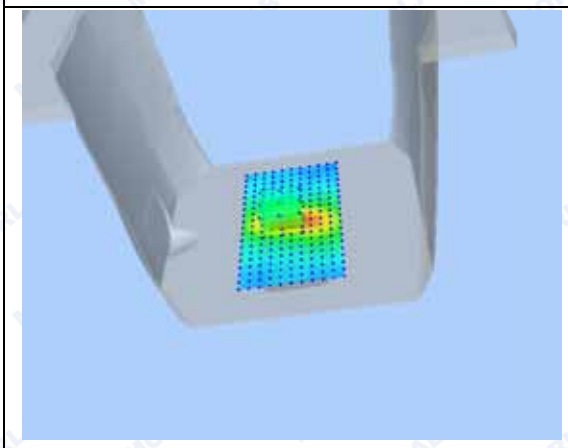
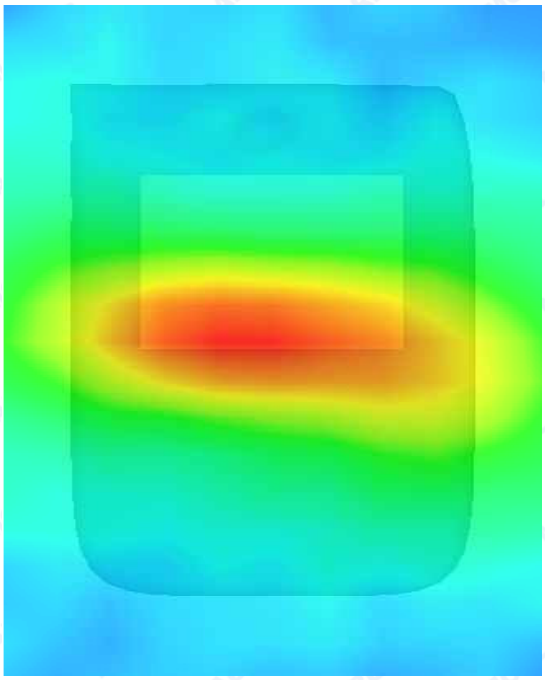
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-80.00, Y=-72.00**
**SAR Peak: 0.07 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.010055 |
| **SAR 1g (W/Kg)** | 0.020485 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 93 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.26

Measurement duration: 9 minutes 18 seconds

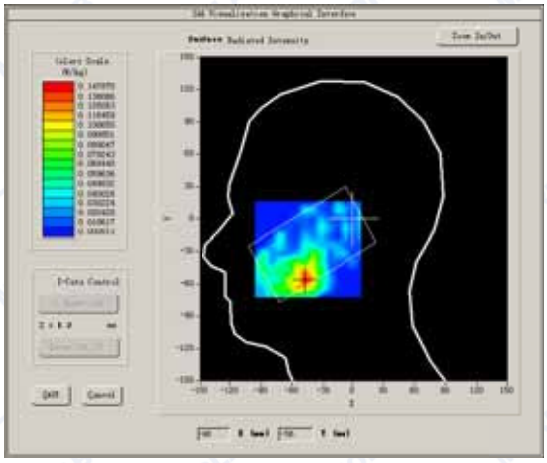
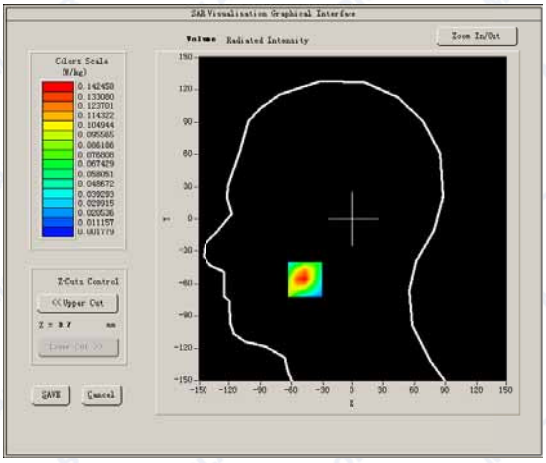
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Right head |
| **Device Position** | Cheek |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

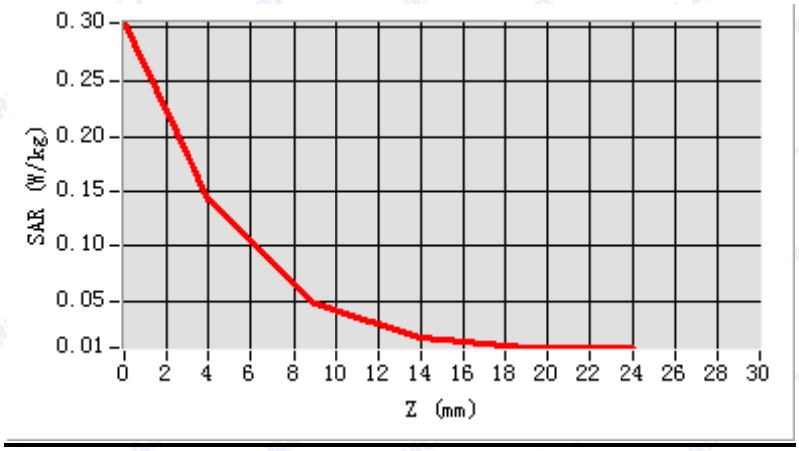
| | |
|---|---|
| **Frequency (MHz)** | 2535.000000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

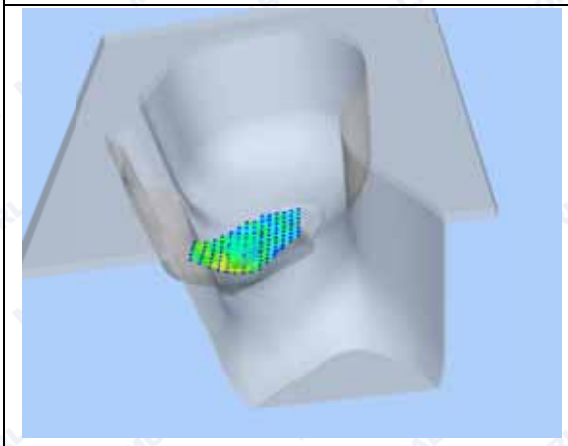
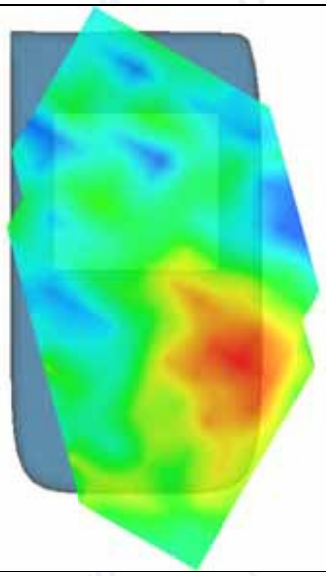
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-47.00, Y=-56.00**
**SAR Peak: 0.30 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.065935 |
| **SAR 1g (W/Kg)** | 0.139319 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 94 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.26

Measurement duration: 8 minutes 14 seconds

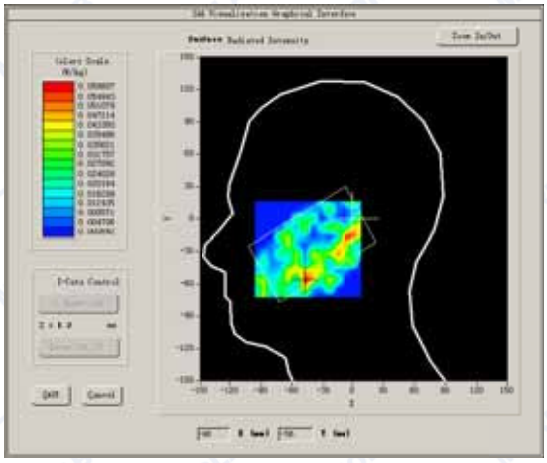
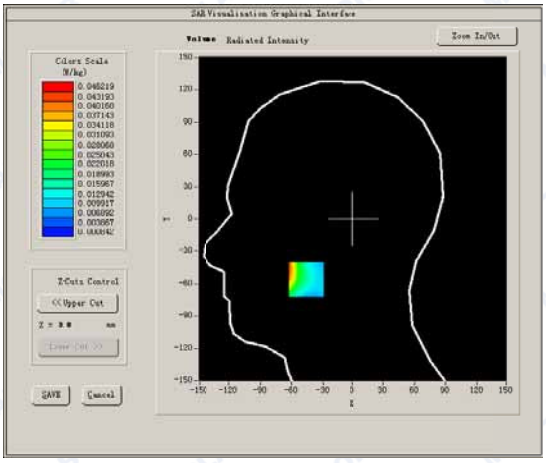
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Right head |
| **Device Position** | Tilt |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

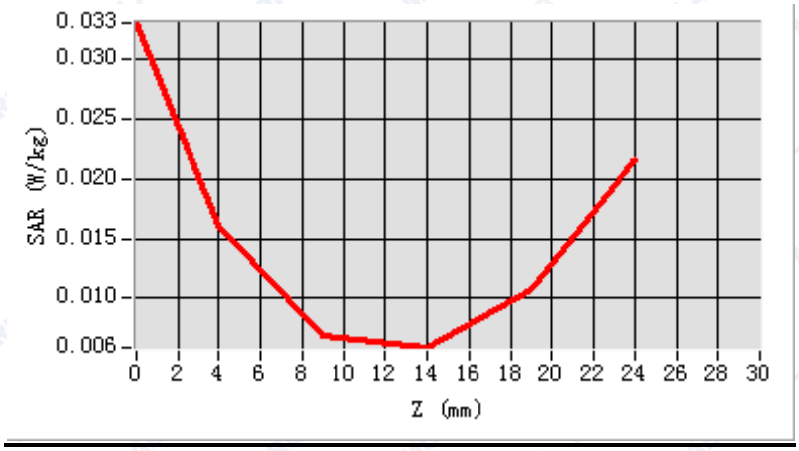
| | |
|---|---|
| **Frequency (MHz)** | 2535.000000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

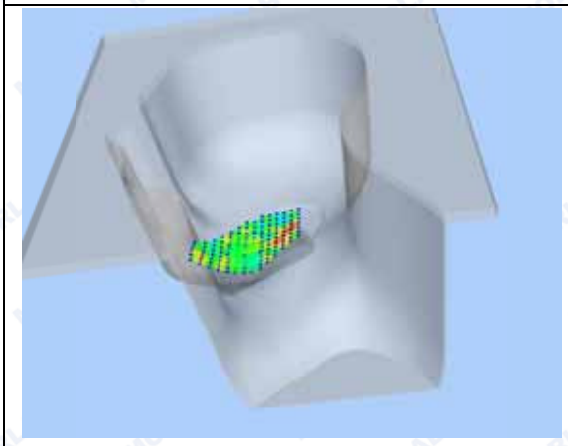
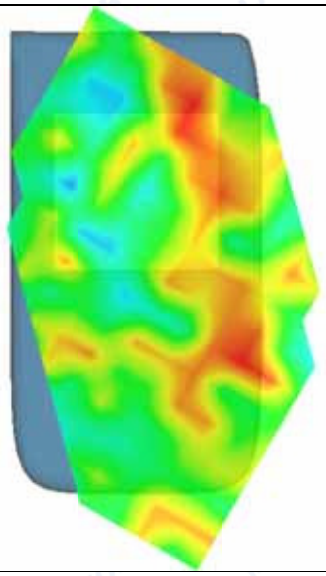
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-46.00, Y=-56.00**
**SAR Peak: 0.12 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.020150 |
| **SAR 1g (W/Kg)** | 0.038618 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 95 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.26

Measurement duration: 8 minutes 57 seconds

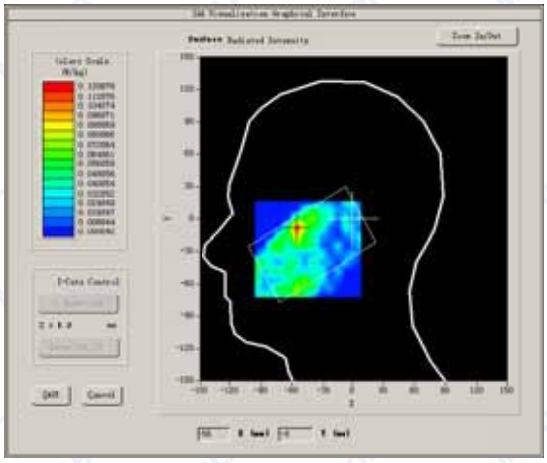
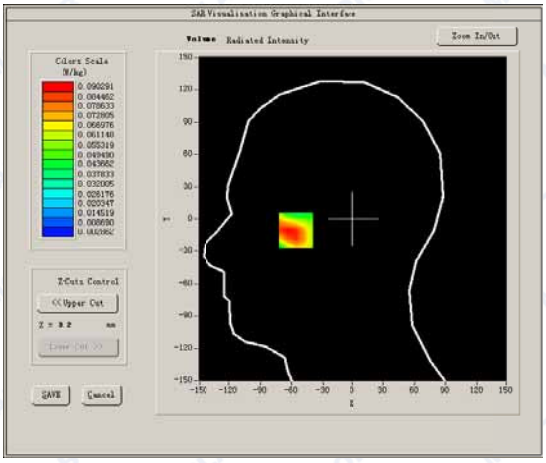
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Left head |
| **Device Position** | Cheek |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

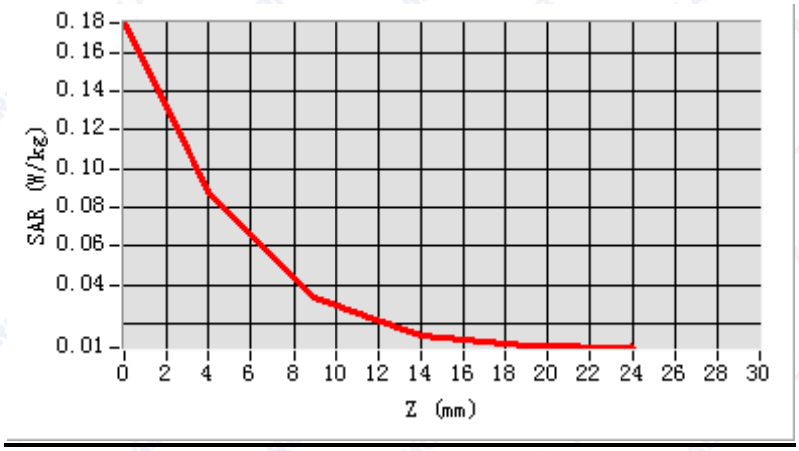
| | |
|---|---|
| **Frequency (MHz)** | 2535.000000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

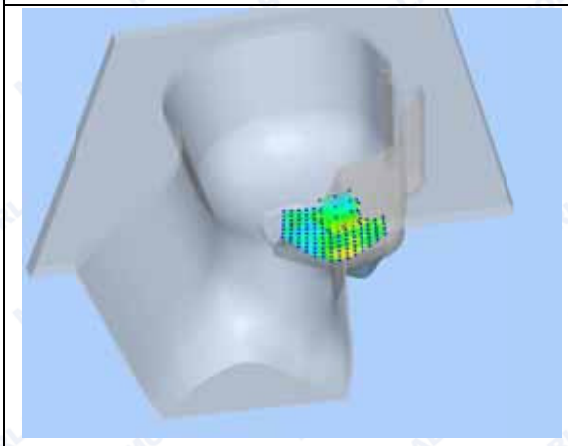
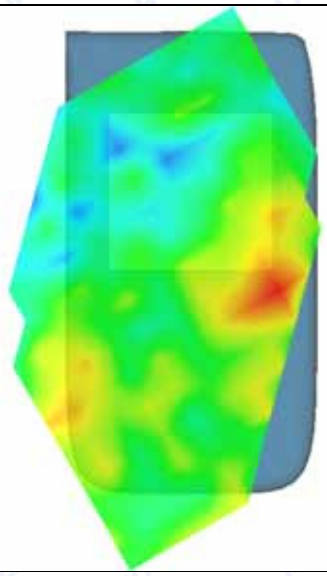
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-56.00, Y=-9.00**
**SAR Peak: 0.21 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.049118 |
| **SAR 1g (W/Kg)** | 0.095264 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 96 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.26

Measurement duration: 8 minutes 20 seconds

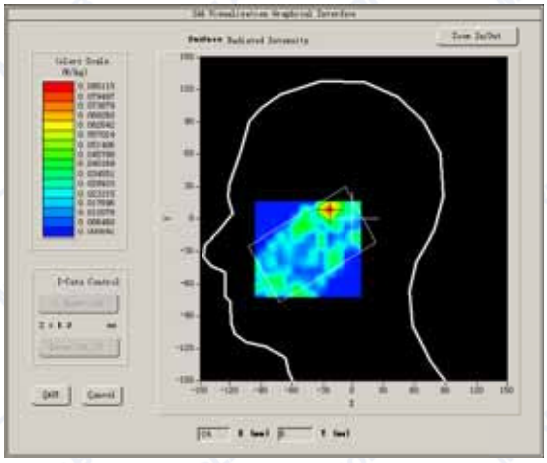
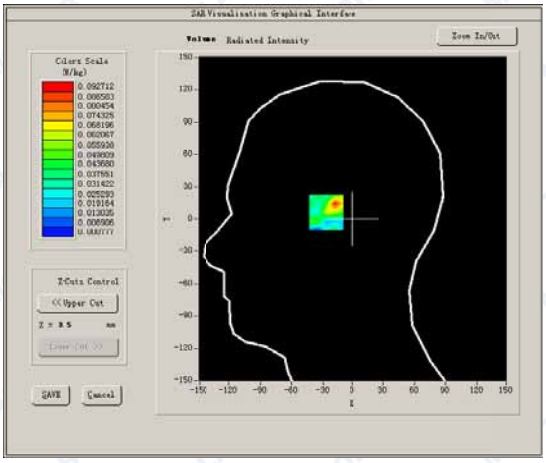
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Left head |
| **Device Position** | Tilt |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

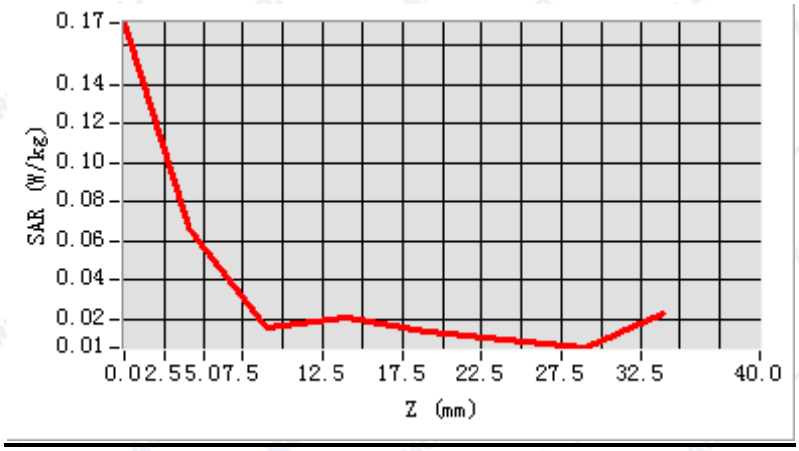
| | |
|---|---|
| **Frequency (MHz)** | 2535.000000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

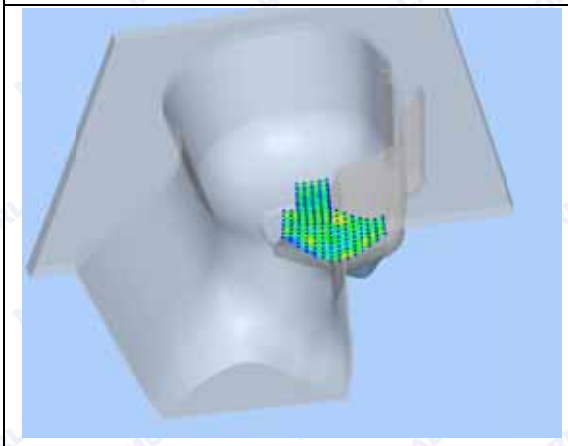
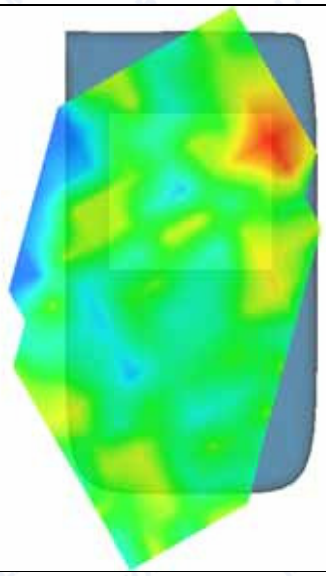
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-25.00, Y=8.00**
**SAR Peak: 0.21 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.037614 |
| **SAR 1g (W/Kg)** | 0.086027 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 97 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 31 seconds

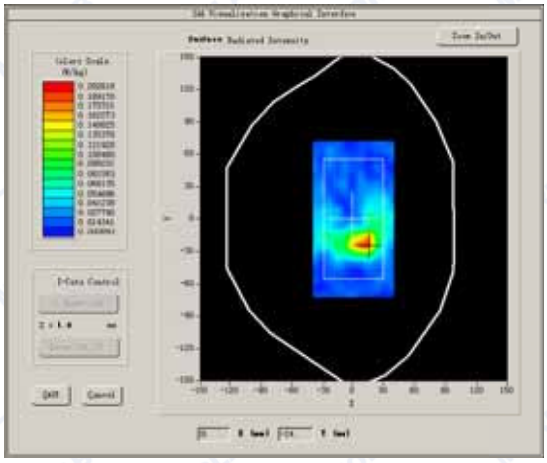
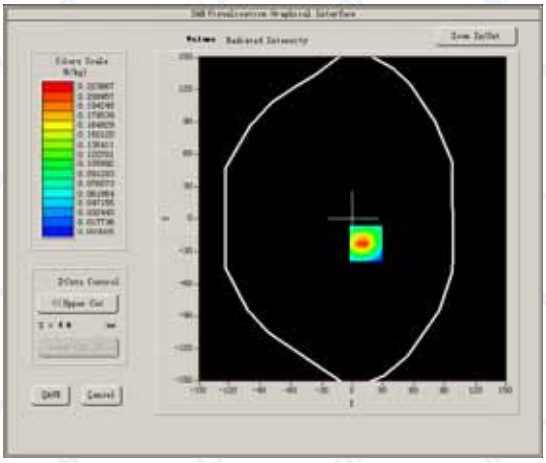
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | LTE Band7 (20MHz) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 211000):

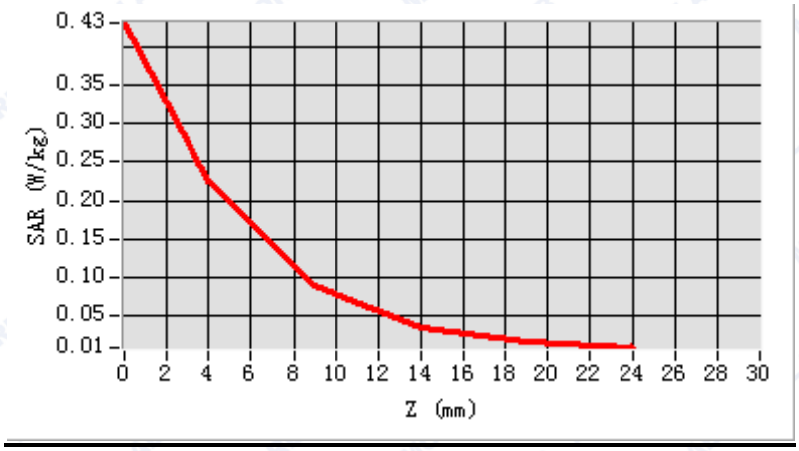
| | |
|---|---|
| **Frequency (MHz)** | 2535.000000 |
| **Relative permittivity (real part)** | 52.519342 |
| **Conductivity (S/m)** | 1.935672 |
| **Power drift (%)** | 1.050000 |
| **Ambient Temperature:** | 22.4°C |
| **Liquid Temperature:** | 21.9°C |
| **ConvF:** | 4.96 |
| **Crest factor:** | 1:1 |

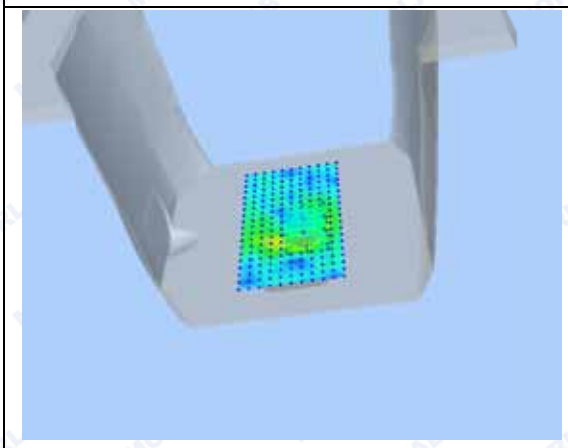
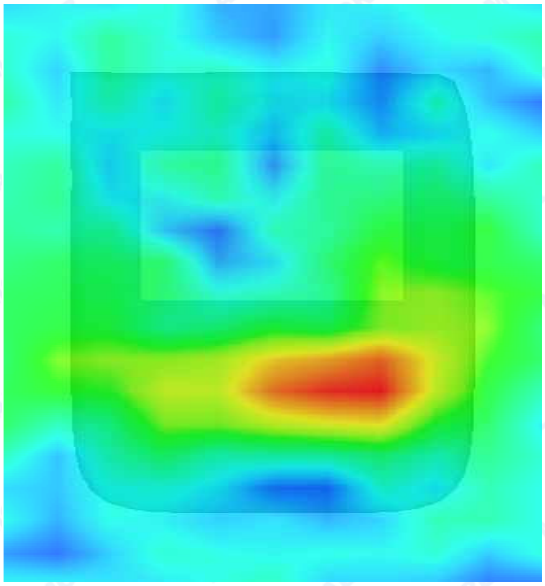
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=13.00, Y=-23.00**
**SAR Peak: 0.49 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.099632 |
| **SAR 1g (W/Kg)** | 0.230776 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 87 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 35 seconds

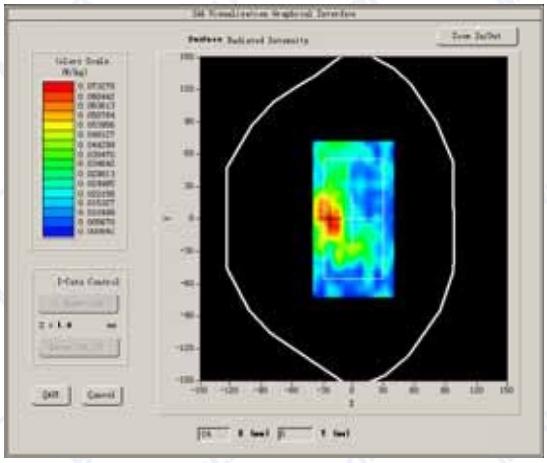
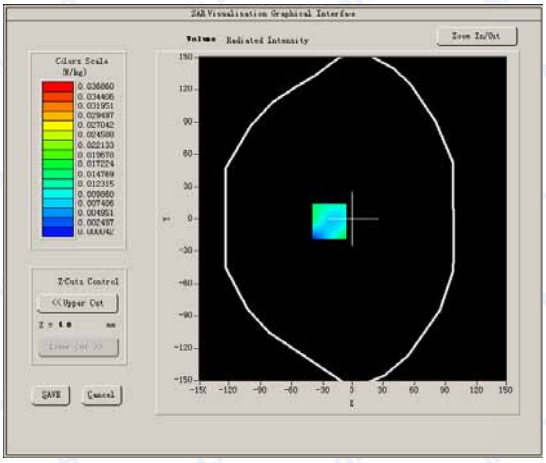
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | LTE Band 7(20MHz) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

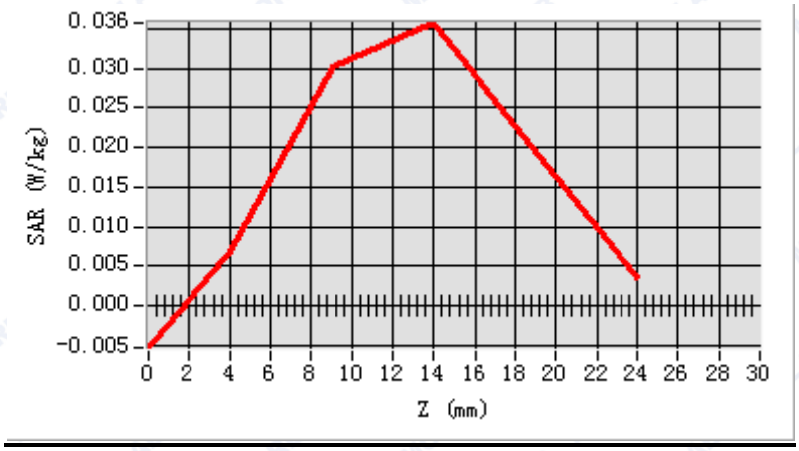
| | |
|---|---|
| **Frequency (MHz)** | 2535.000000 |
| **Relative permittivity (real part)** | 52.519342 |
| **Conductivity (S/m)** | 1.935672 |
| **Power drift (%)** | -0.150000 |
| **Ambient Temperature:** | 22.4°C |
| **Liquid Temperature:** | 21.9°C |
| **ConvF:** | 4.96 |
| **Crest factor:** | 1:1 |

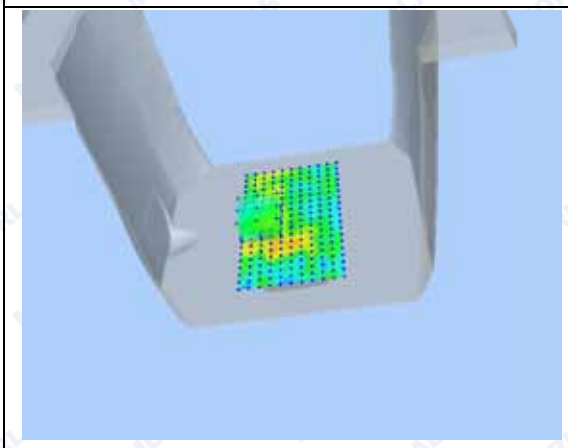
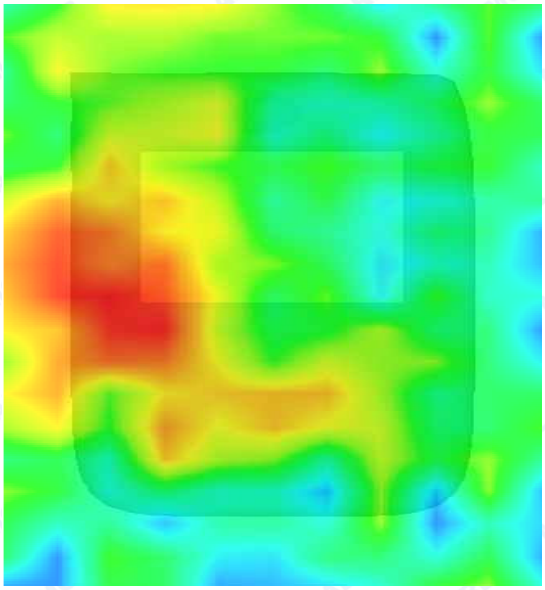
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-24.00, Y=-2.00**
**SAR Peak: 0.05 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.022456 |
| **SAR 1g (W/Kg)** | 0.024241 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 88 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 33 seconds

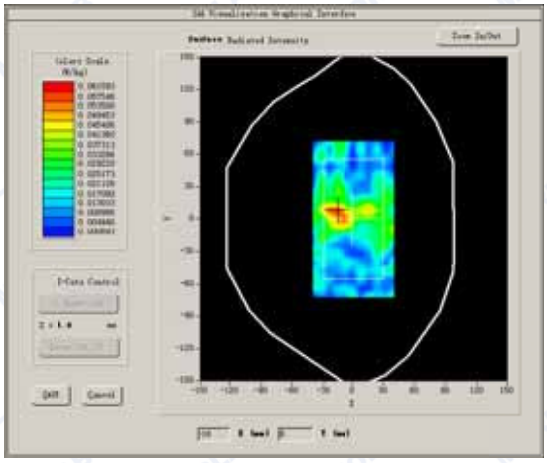
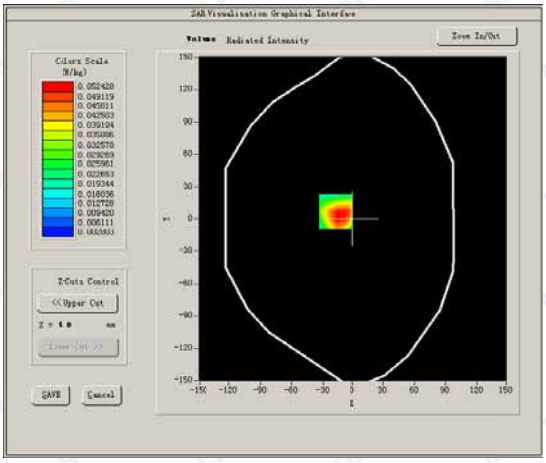
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | LTE Band 7(20MHz) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

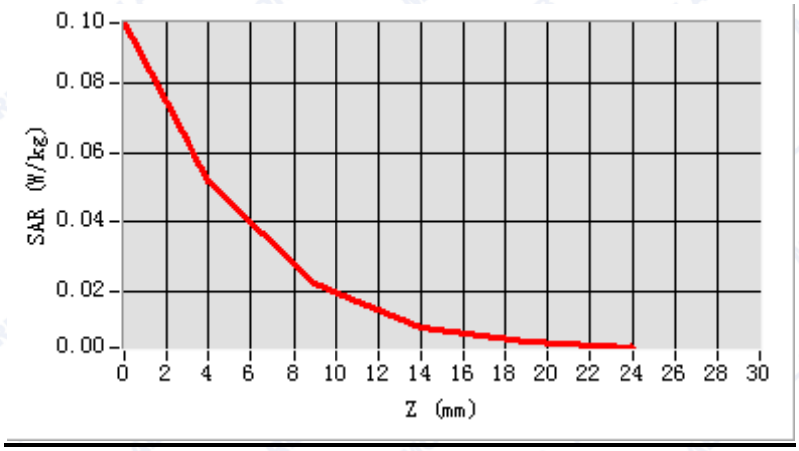
| | |
|---|---|
| **Frequency (MHz)** | 2535.000000 |
| **Relative permittivity (real part)** | 52.519342 |
| **Conductivity (S/m)** | 1.935672 |
| **Power drift (%)** | -0.150000 |
| **Ambient Temperature:** | 22.4°C |
| **Liquid Temperature:** | 21.9°C |
| **ConvF:** | 4.96 |
| **Crest factor:** | 1:1 |

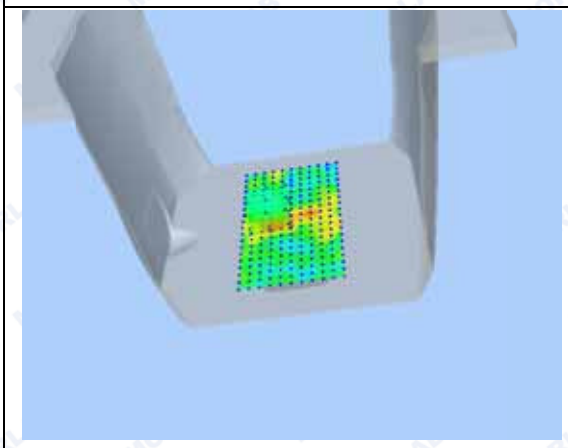
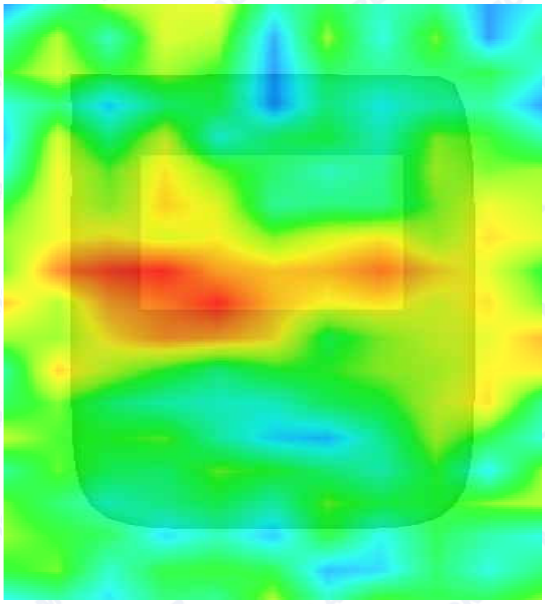
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-17.00, Y=7.00**
**SAR Peak: 0.11 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.030166 |
| **SAR 1g (W/Kg)** | 0.057400 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 89 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 33 seconds

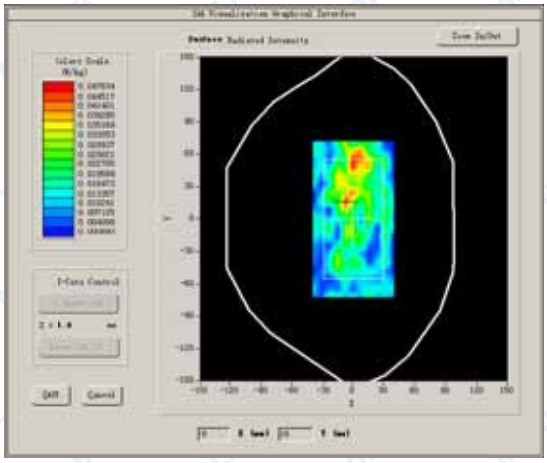
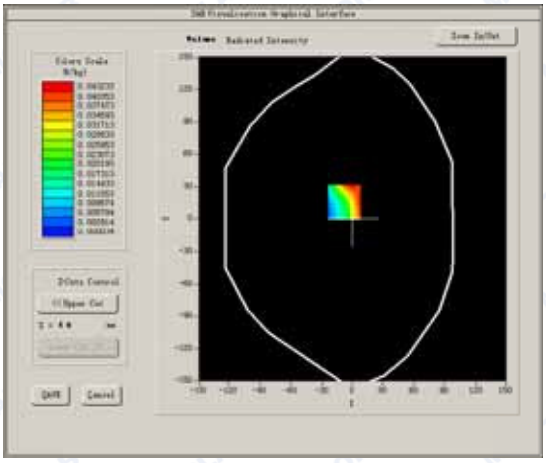
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | LTE Band 7 (20MHz) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

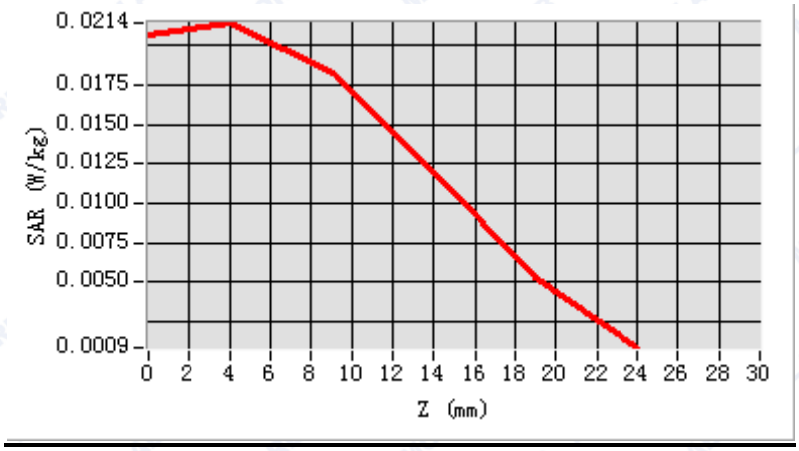
| | |
|---|---|
| **Frequency (MHz)** | 2535.000000 |
| **Relative permittivity (real part)** | 52.519342 |
| **Conductivity (S/m)** | 1.935672 |
| **Power drift (%)** | -3.660000 |
| **Ambient Temperature:** | 22.4°C |
| **Liquid Temperature:** | 21.9°C |
| **ConvF:** | 4.96 |
| **Crest factor:** | 1:1 |

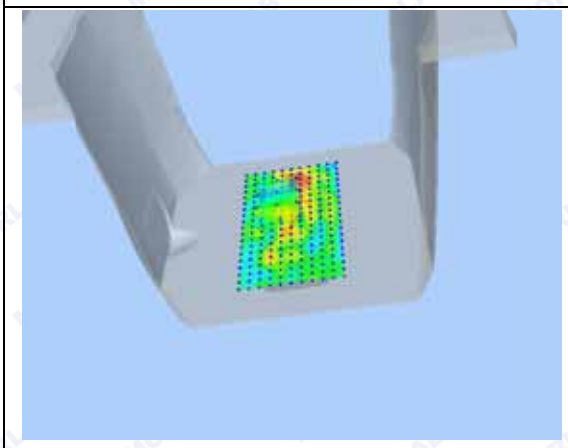
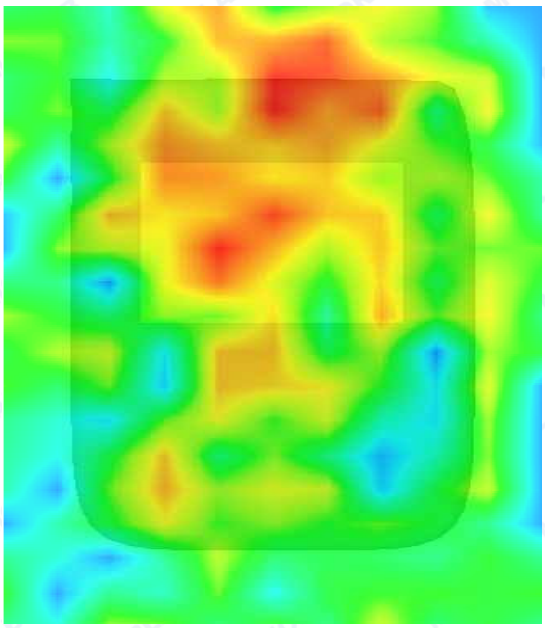
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-8.00, Y=15.00**
**SAR Peak: 0.13 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.023387 |
| **SAR 1g (W/Kg)** | 0.048943 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 90 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 35 seconds

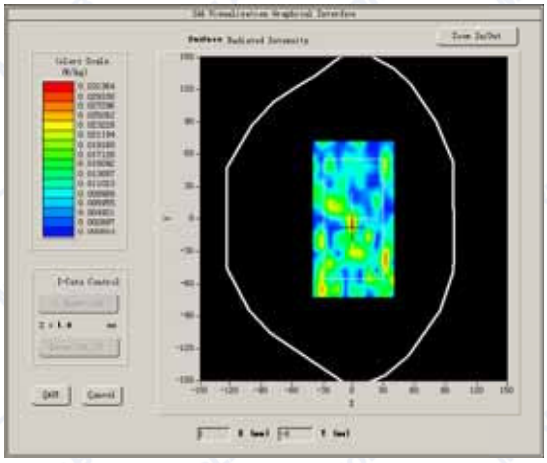
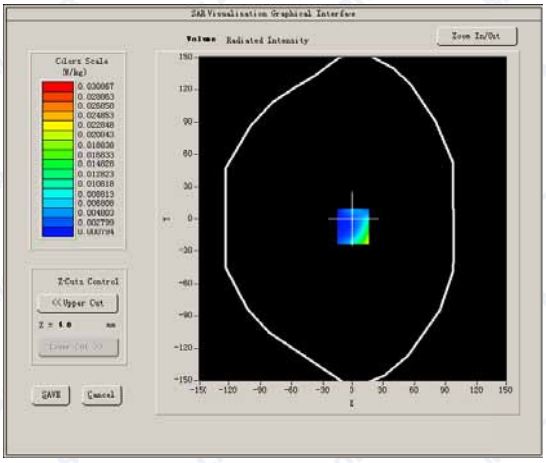
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Flat Plane |
| **Device Position** | Body |
| **Band** | LTE Band 7 (20MHz) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

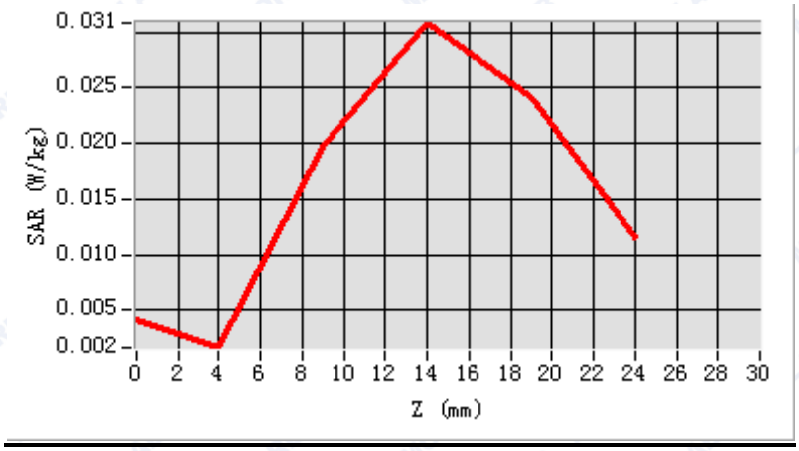
| | |
|---|---|
| **Frequency (MHz)** | 2535.000000 |
| **Relative permittivity (real part)** | 52.519342 |
| **Conductivity (S/m)** | 1.935672 |
| **Power drift (%)** | -3.660000 |
| **Ambient Temperature:** | 22.4°C |
| **Liquid Temperature:** | 21.9°C |
| **ConvF:** | 4.96 |
| **Crest factor:** | 1:1 |

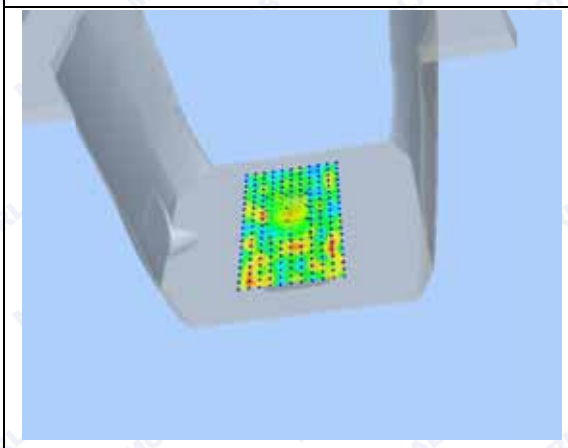
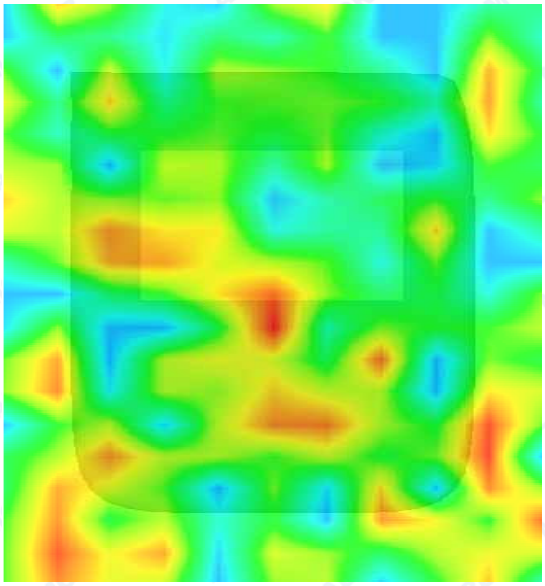
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=0.00, Y=-7.00**
**SAR Peak: 0.07 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.017350 |
| **SAR 1g (W/Kg)** | 0.020236 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 91 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.26

Measurement duration: 9 minutes 18 seconds

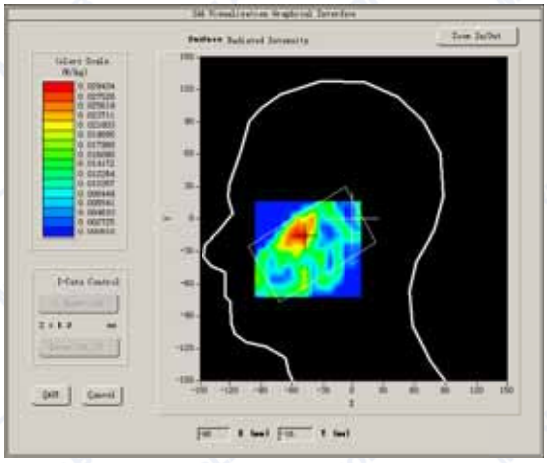
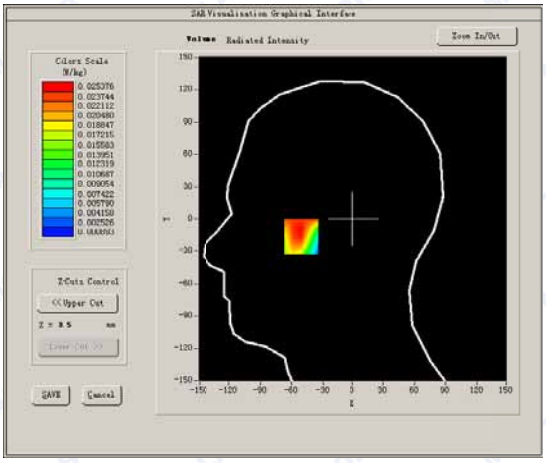
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Right head |
| **Device Position** | Cheek |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

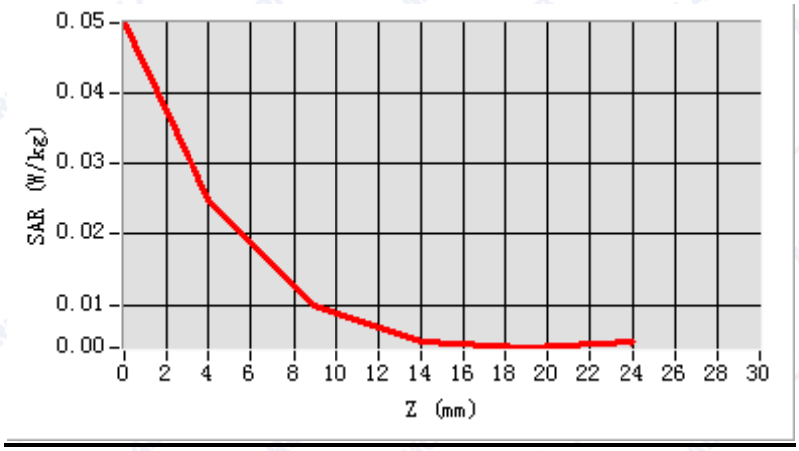
| | |
|---|---|
| **Frequency (MHz)** | 2535.000000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

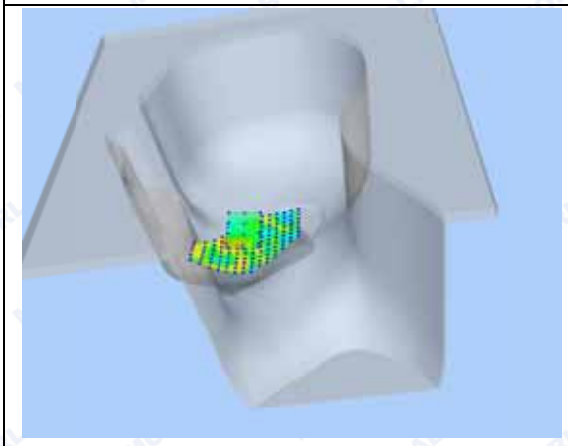
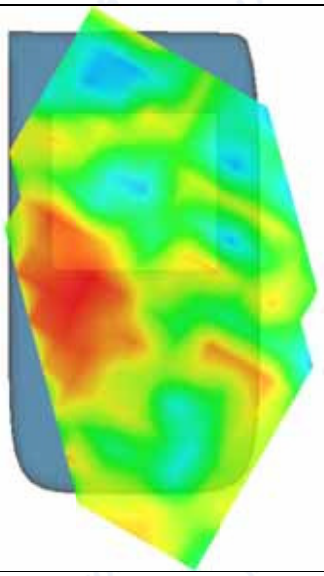
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-51.00, Y=-16.00**
**SAR Peak: 0.06 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.013233 |
| **SAR 1g (W/Kg)** | 0.020547 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 92 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.26

Measurement duration: 8 minutes 14 seconds

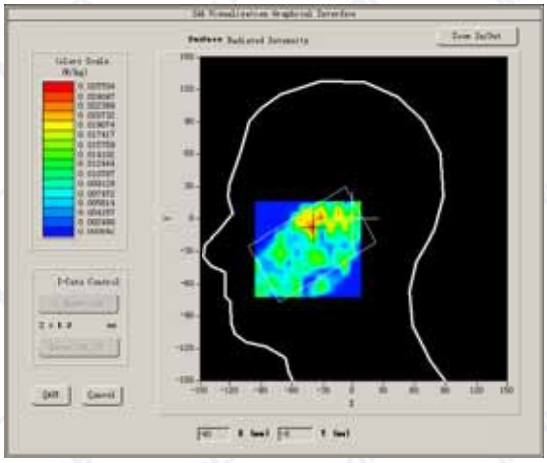
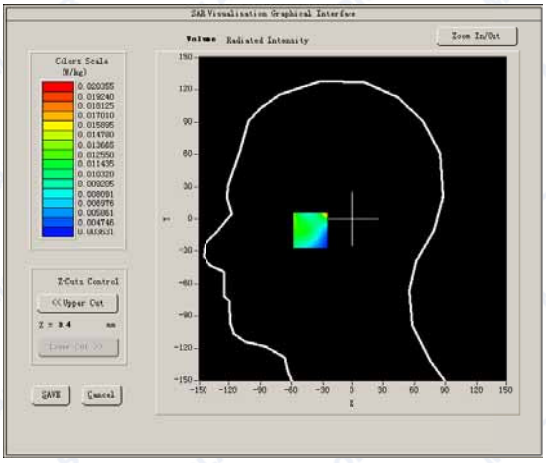
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Right head |
| **Device Position** | Tilt |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

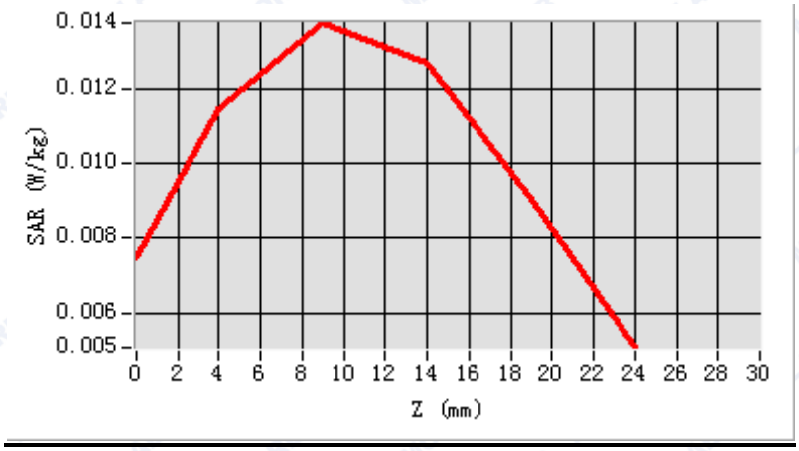
| | |
|---|---|
| **Frequency (MHz)** | 2535.000000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

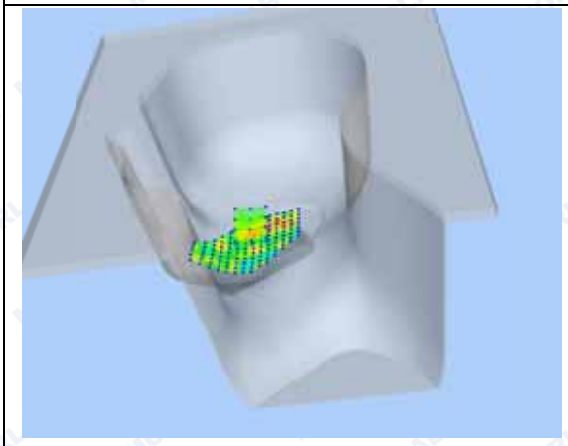
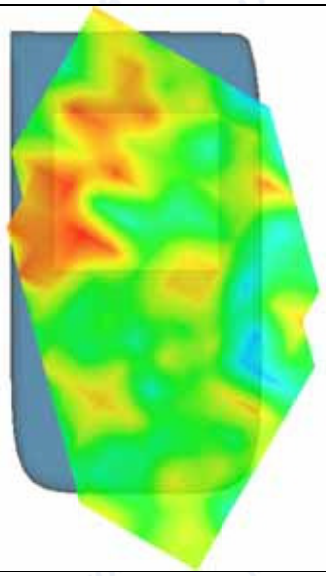
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-42.00, Y=-9.00**
**SAR Peak: 0.03 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.010825 |
| **SAR 1g (W/Kg)** | 0.011400 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 93 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.26

Measurement duration: 8 minutes 57 seconds

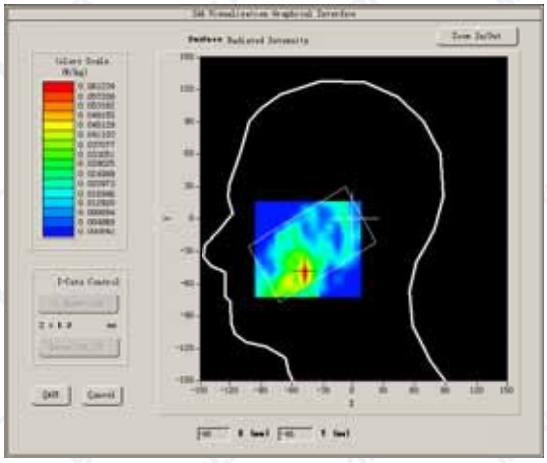
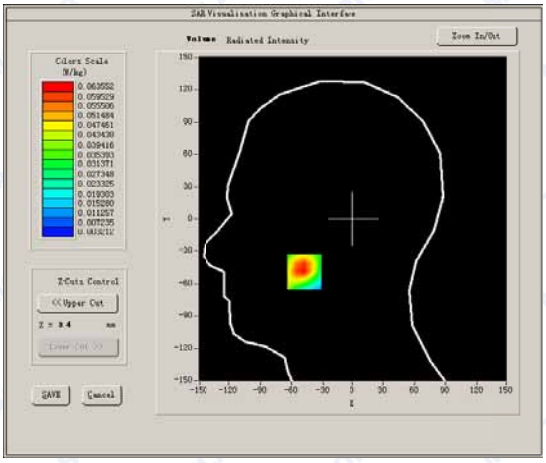
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Left head |
| **Device Position** | Cheek |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

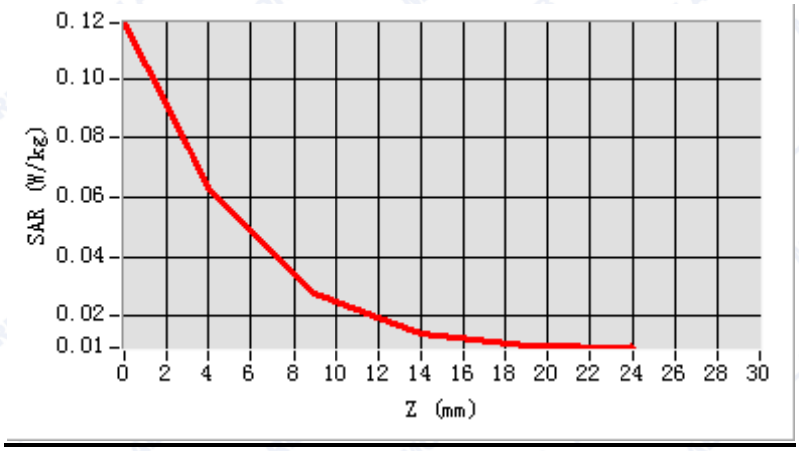
| | |
|---|---|
| **Frequency (MHz)** | 2535.000000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

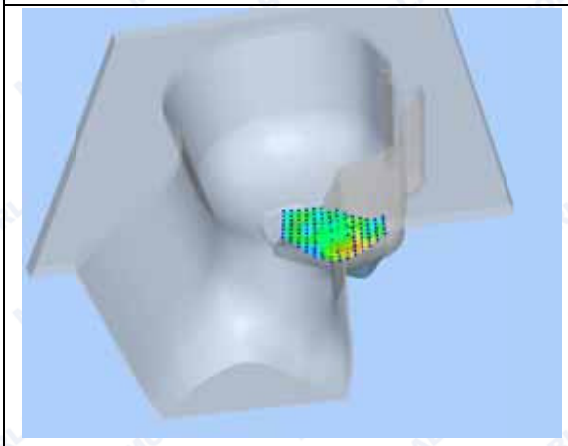
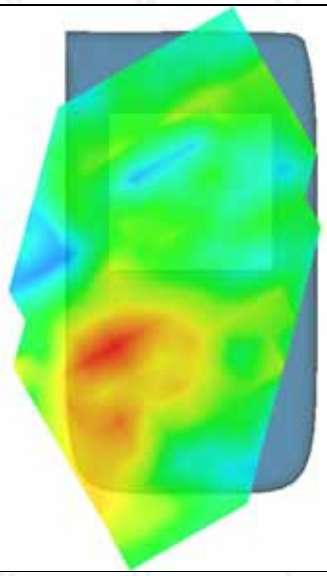
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-48.00, Y=-49.00**
**SAR Peak: 0.12 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.023940 |
| **SAR 1g (W/Kg)** | 0.055861 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 94 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.26

Measurement duration: 8 minutes 20 seconds

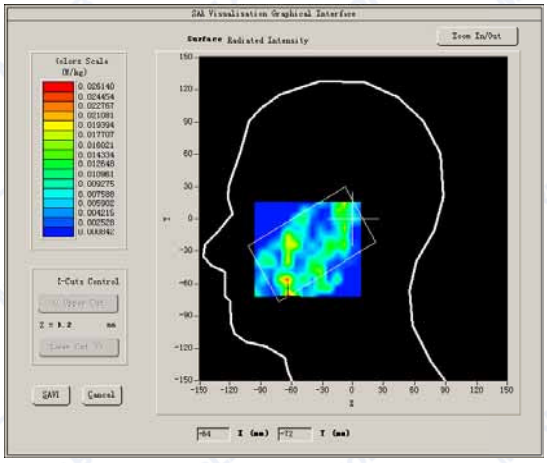
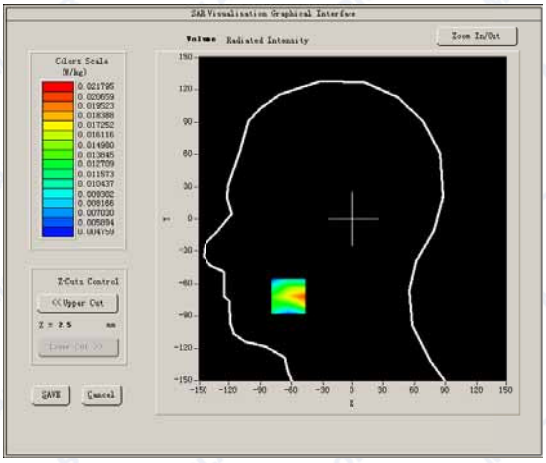
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Left head |
| **Device Position** | Tilt |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

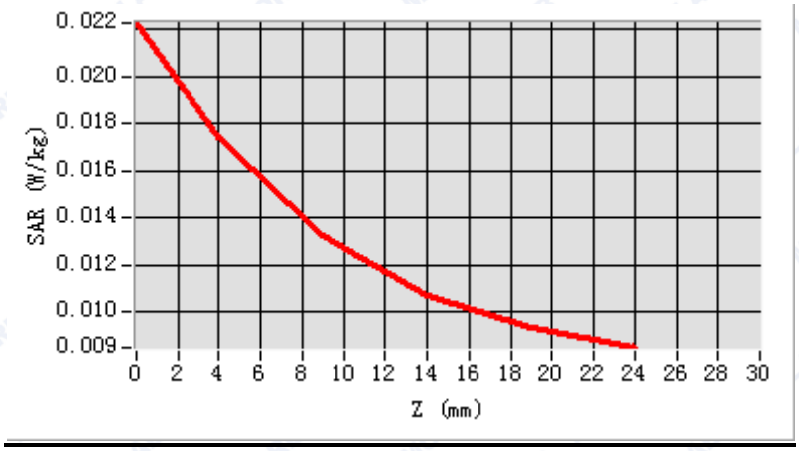
| | |
|---|---|
| **Frequency (MHz)** | 2535.000000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

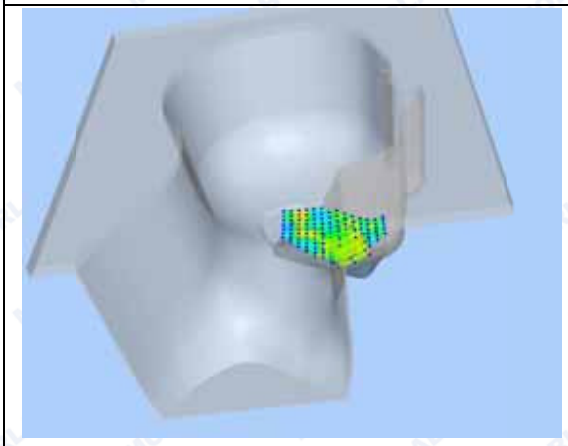
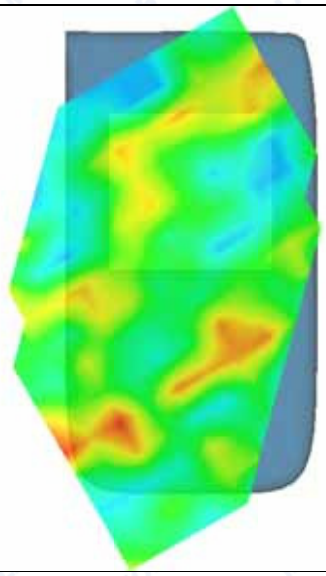
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-63.00, Y=-72.00**
**SAR Peak: 0.03 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.014054 |
| **SAR 1g (W/Kg)** | 0.016308 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 95 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 29 seconds

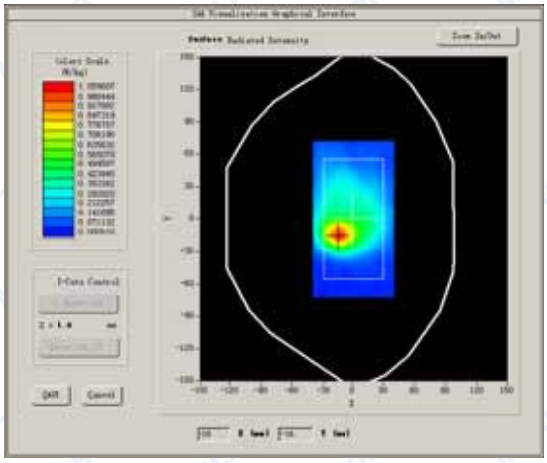
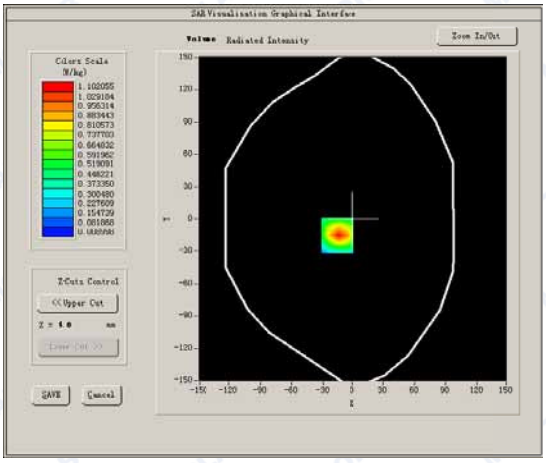
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Low |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Low Band SAR (Channel 20850):

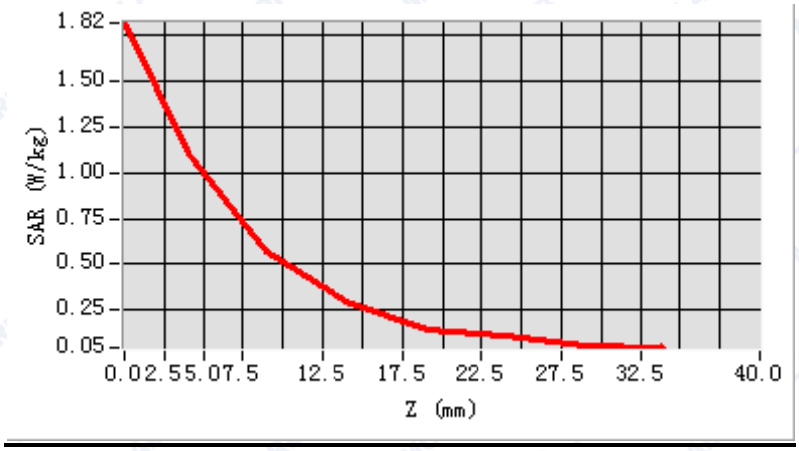
| | |
|---|---|
| **Frequency (MHz)** | 2510.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | 1.400000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

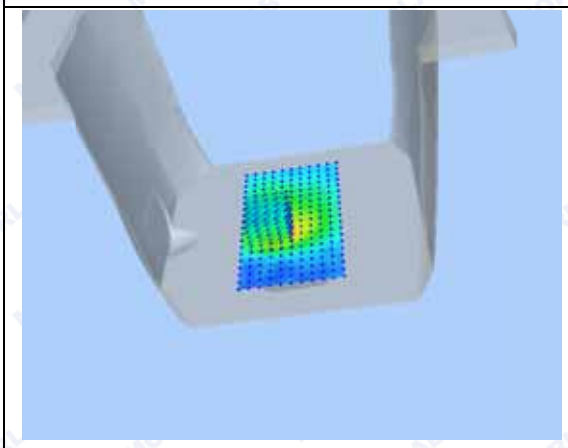
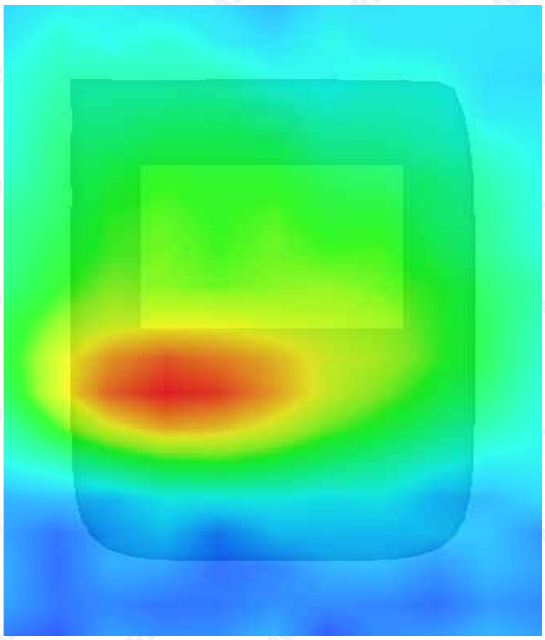
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-15.00, Y=-15.00**
**SAR Peak: 1.80 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.513522 |
| **SAR 1g (W/Kg)** | 1.126011 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 96 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 31 seconds

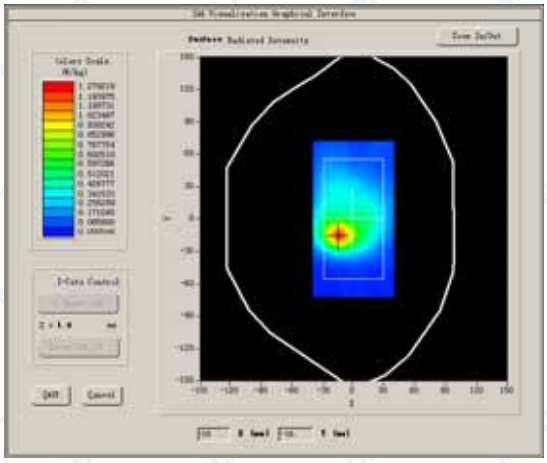
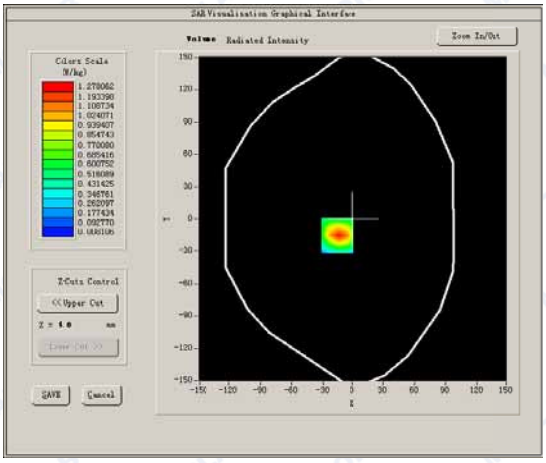
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

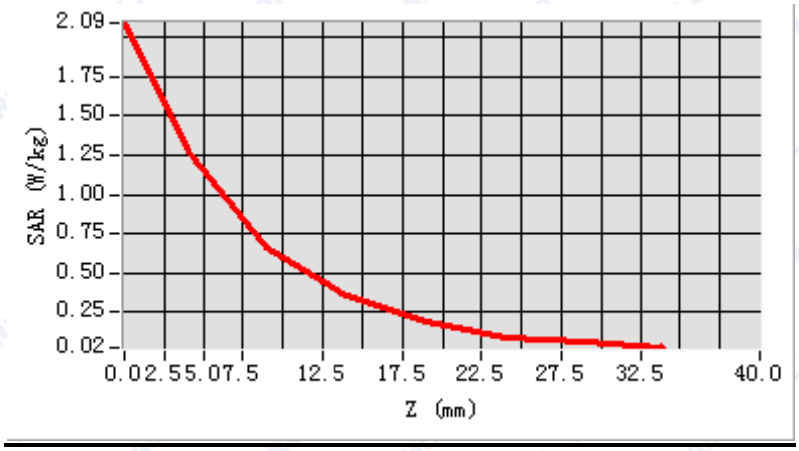
| | |
|---|---|
| **Frequency (MHz)** | 2535.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

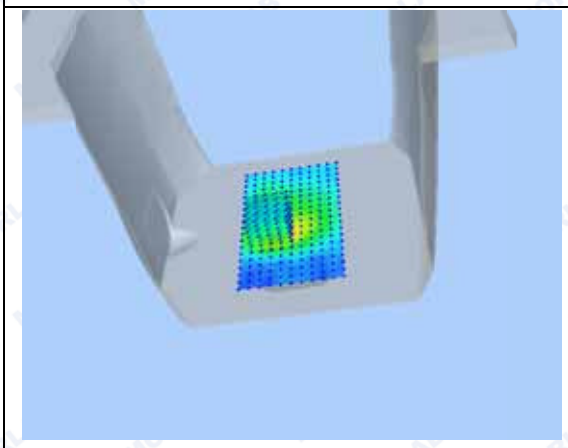
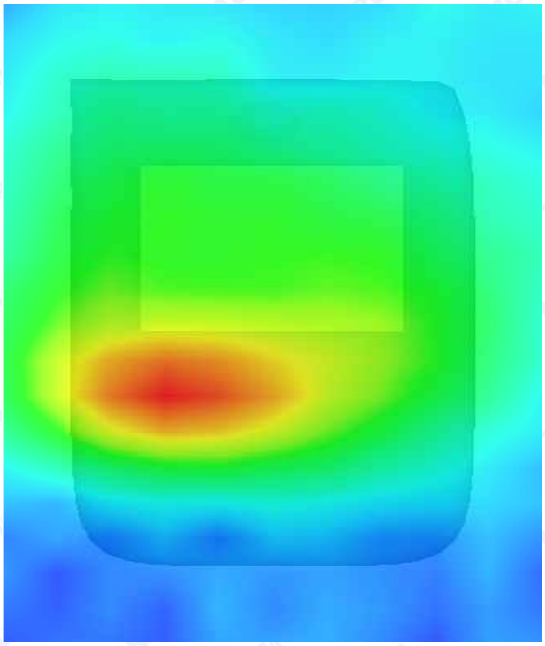
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-15.00, Y=-15.00**
**SAR Peak: 2.08 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.579891 |
| **SAR 1g (W/Kg)** | 1.045150 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 97 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 30 seconds

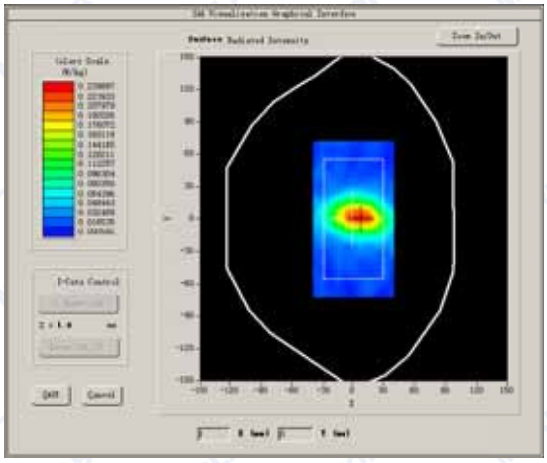
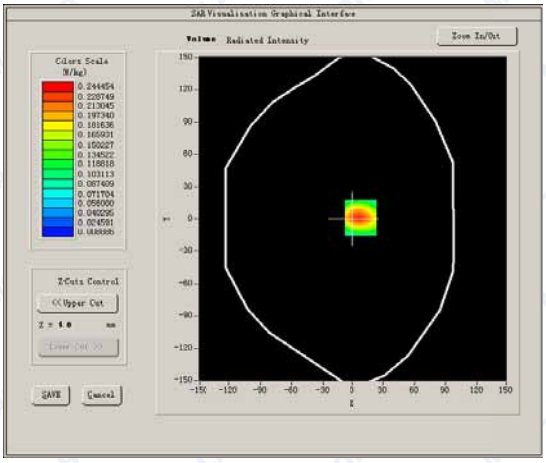
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | High |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

High Band SAR (Channel 21350):

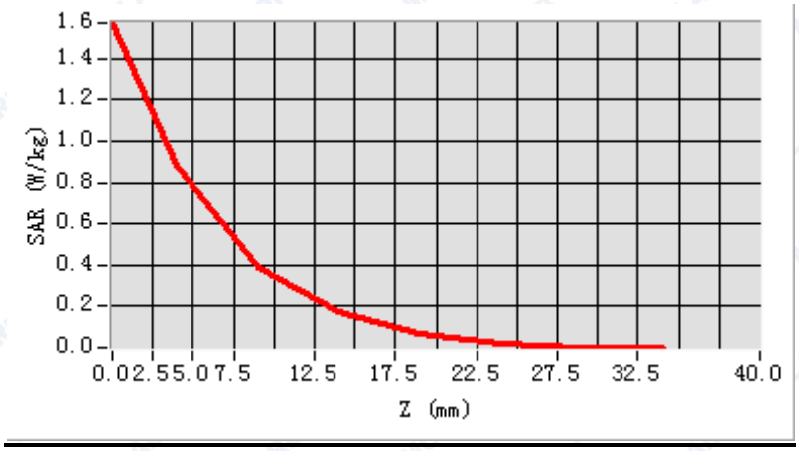
| | |
|---|---|
| **Frequency (MHz)** | 2560.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

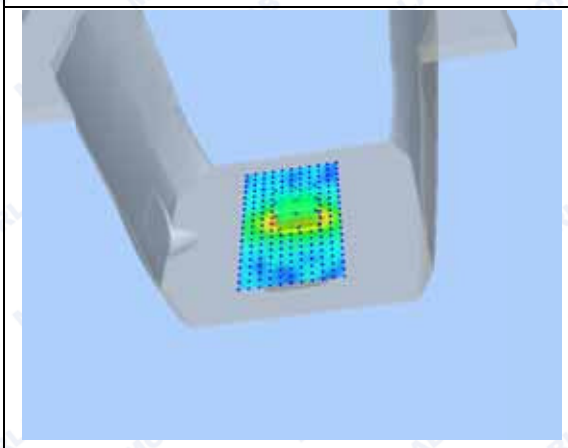
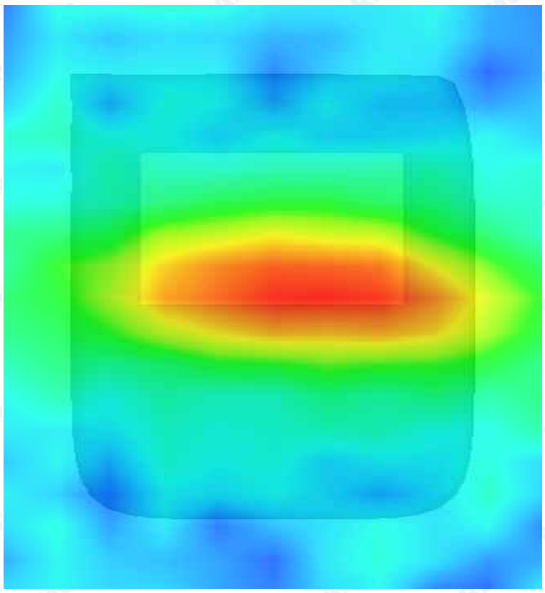
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=7.00, Y=1.00**
**SAR Peak: 1.38 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.725528 |
| **SAR 1g (W/Kg)** | 1.089490 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 98 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 31 seconds

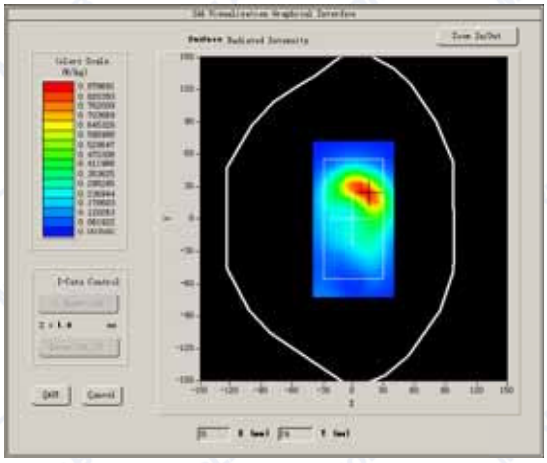
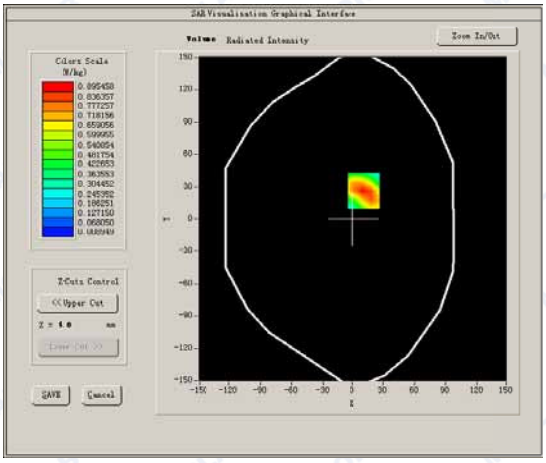
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

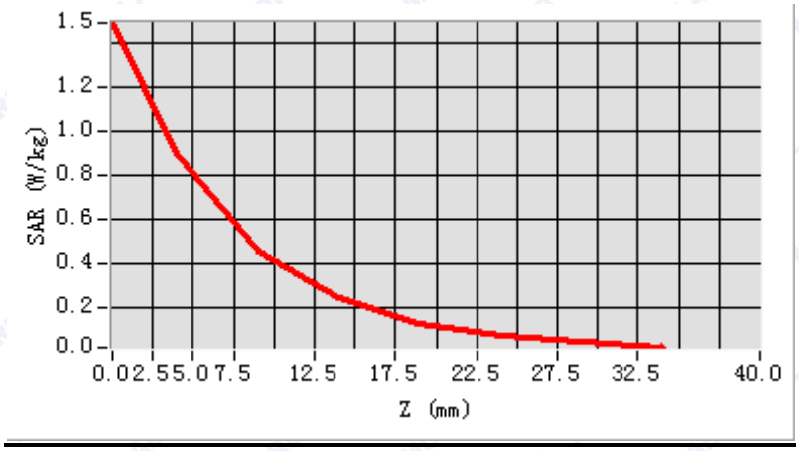
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

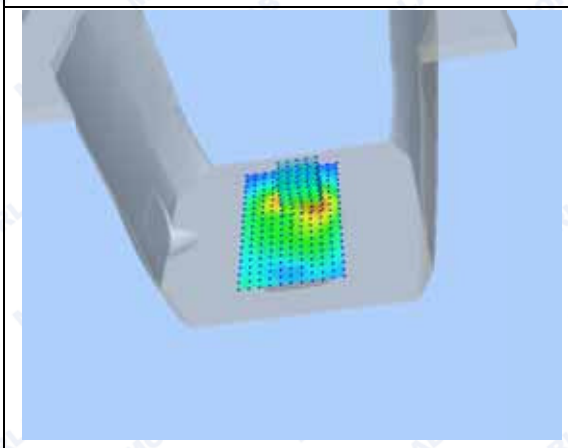
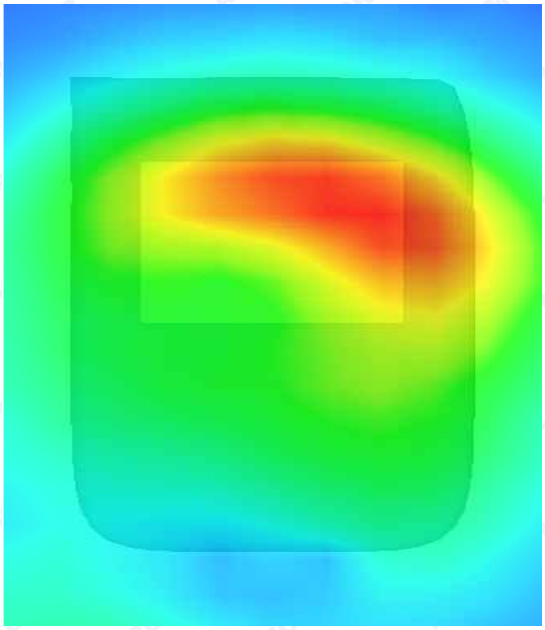
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=10.00, Y=26.00**
**SAR Peak: 1.49 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | **0.137039** |
| **SAR 1g (W/Kg)** | **0.303358** |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 99 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 29 seconds

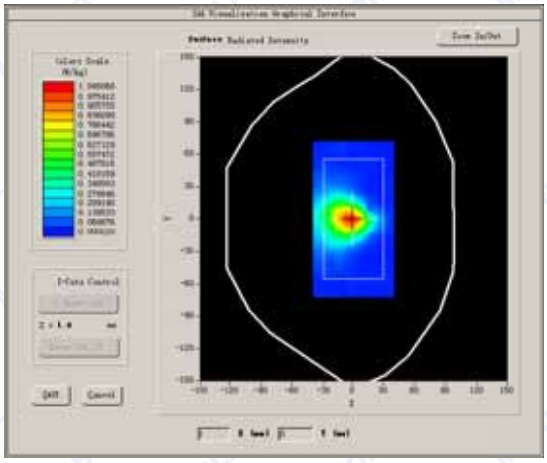
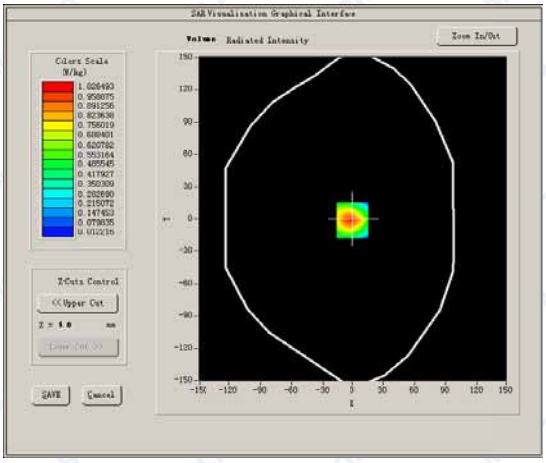
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Low |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Low Band SAR (Channel 18900):

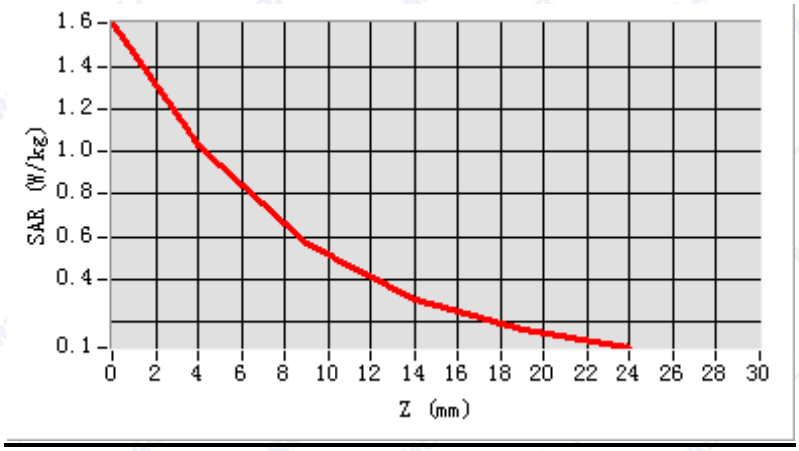
| | |
|---|---|
| **Frequency (MHz)** | 2510.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

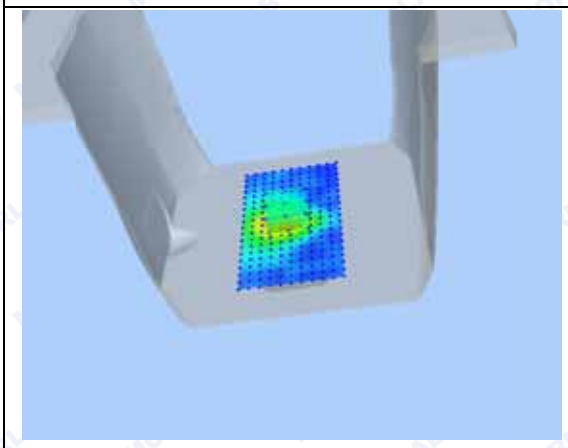
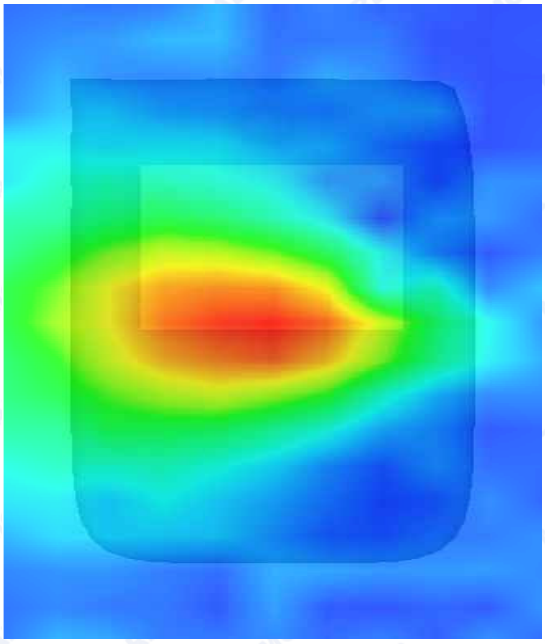
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-1.00, Y=-1.00**
**SAR Peak: 1.61 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.809113 |
| **SAR 1g (W/Kg)** | 1.315832 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 100 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 31 seconds

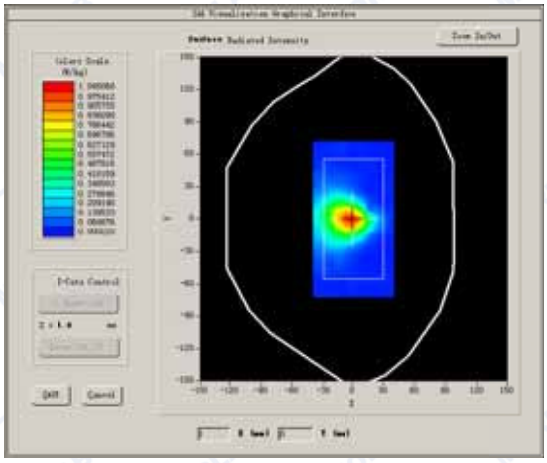
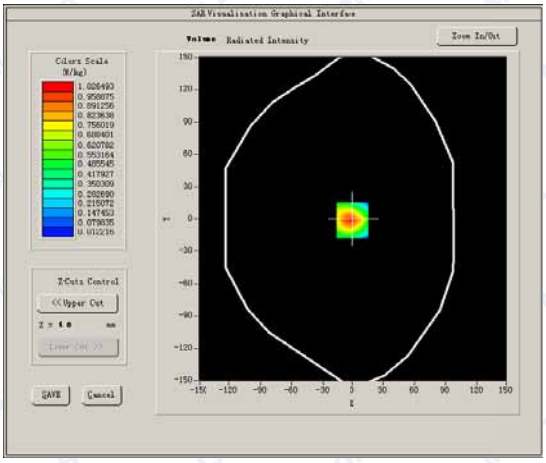
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

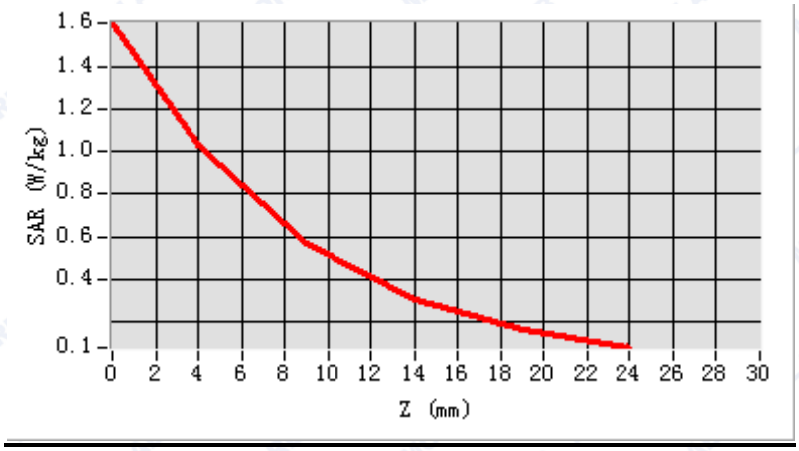
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

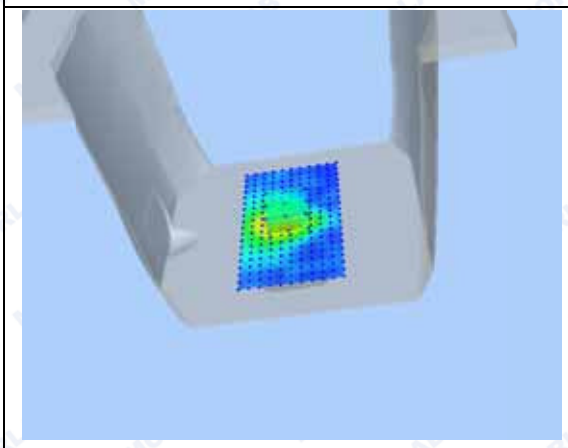
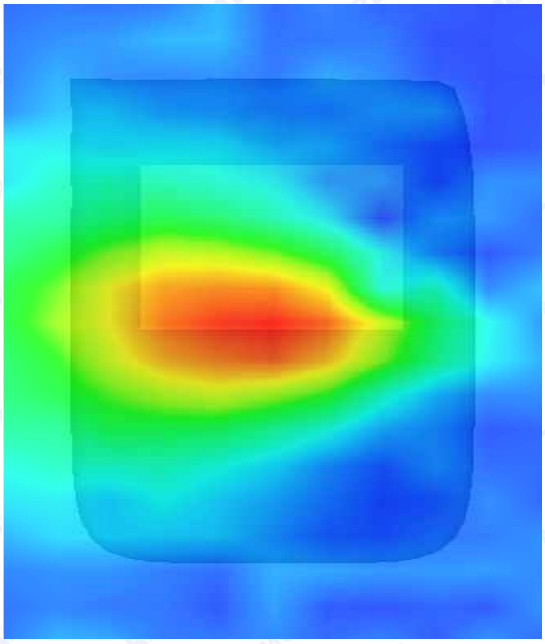
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-1.00, Y=-1.00**
**SAR Peak: 1.71 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.811253 |
| **SAR 1g (W/Kg)** | 1.288258 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 101 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 31 seconds

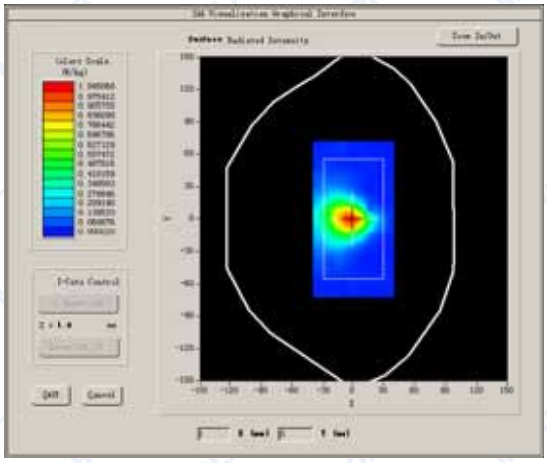
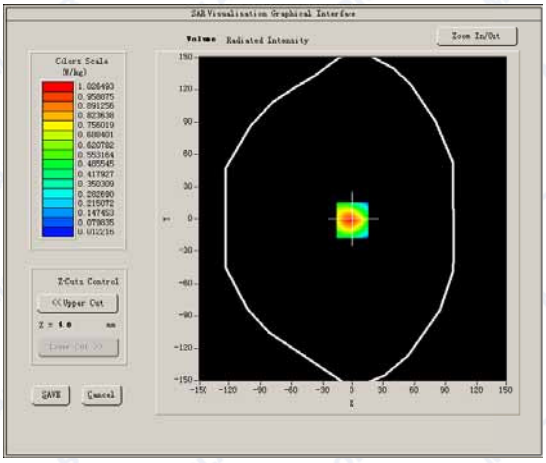
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | High |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

High Band SAR (Channel 18900):

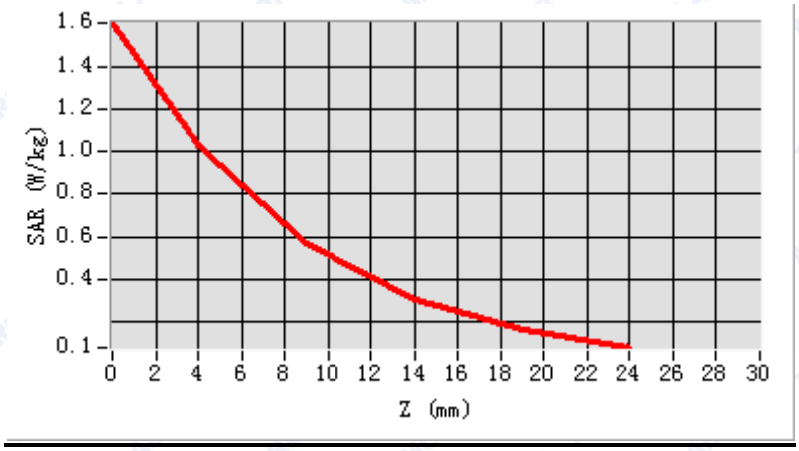
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

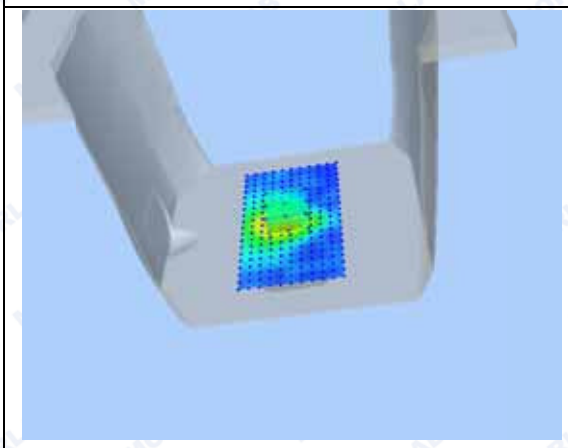
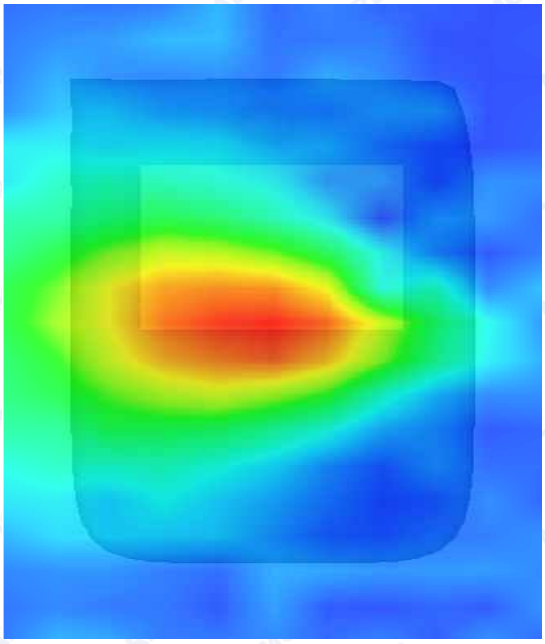
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-1.00, Y=-1.00**
**SAR Peak: 1.61 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.788652 |
| **SAR 1g (W/Kg)** | 1.294356 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 102 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 30 seconds

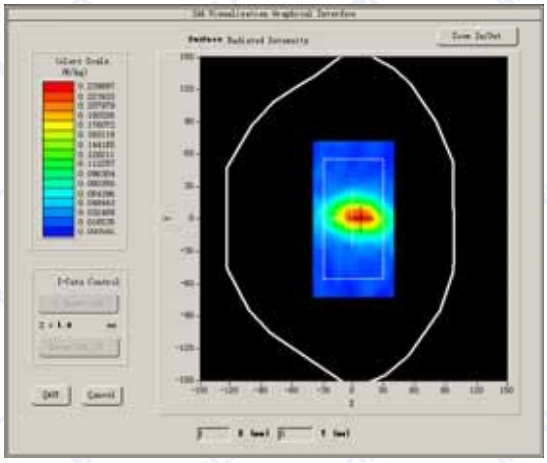
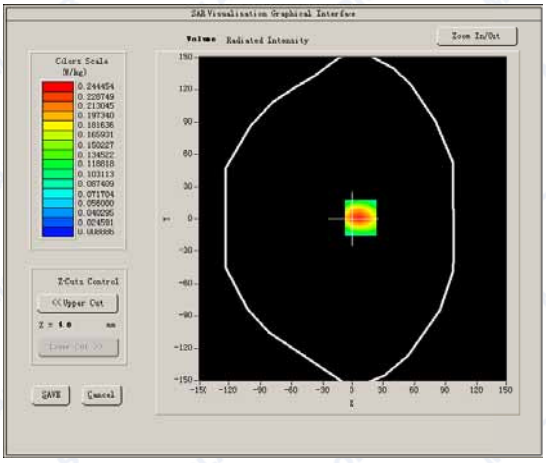
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | High |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

High Band SAR (Channel 21350):

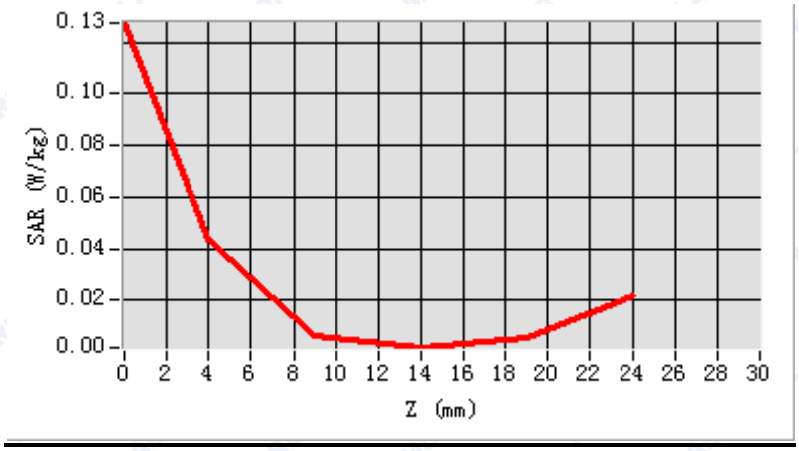
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

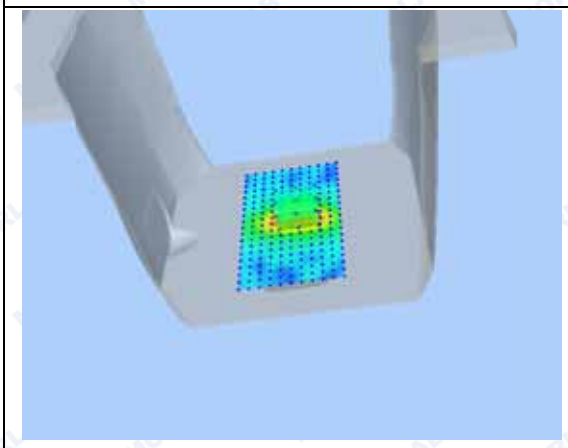
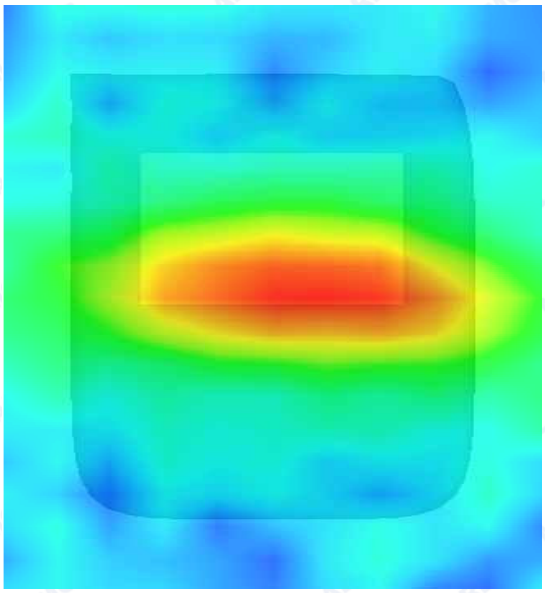
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=7.00, Y=1.00**
**SAR Peak: 0.18 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.035528 |
| **SAR 1g (W/Kg)** | 0.099490 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 103 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 30 seconds

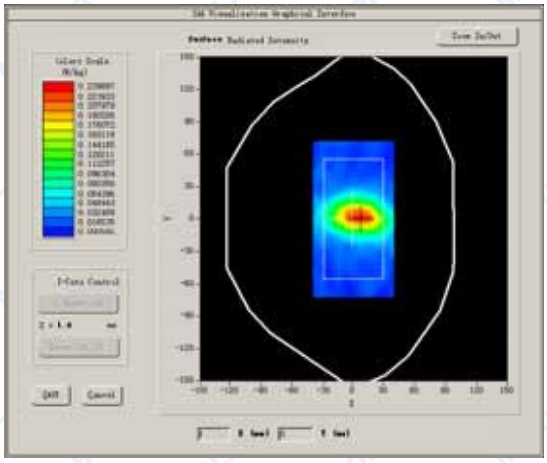
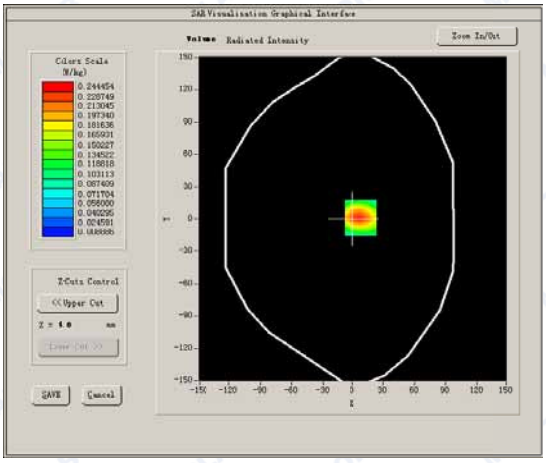
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | High |
| **Signal** | QPSK_1RB_RB offset 0 |

## B. SAR Measurement Results

High Band SAR (Channel 21350):

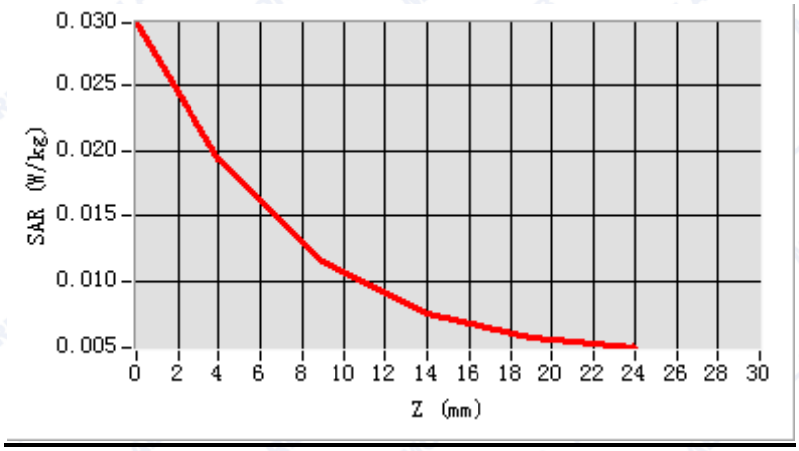
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

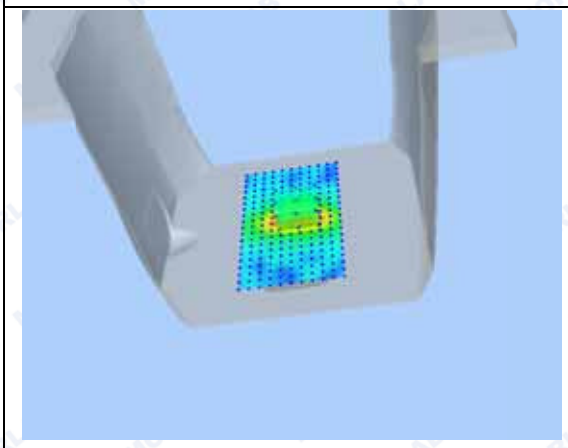
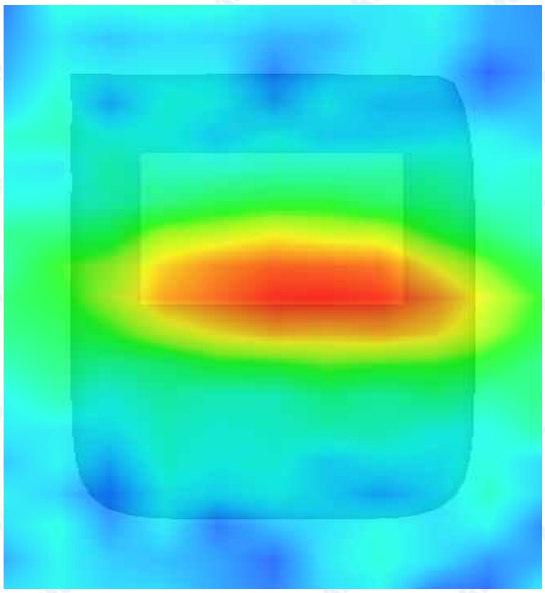
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=7.00, Y=1.00**
**SAR Peak: 0.11 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.020524 |
| **SAR 1g (W/Kg)** | 0.061356 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 104 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 31 seconds

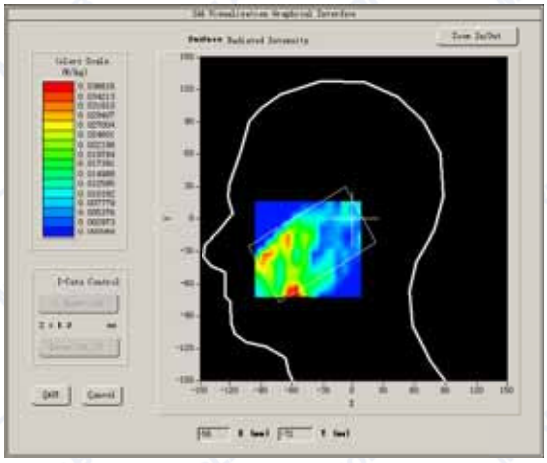
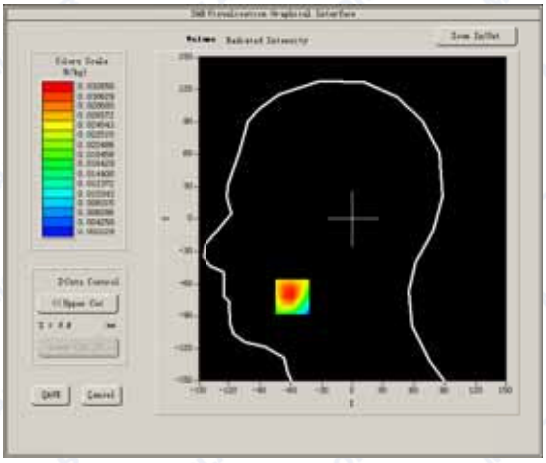
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Right head |
| **Device Position** | Cheek |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

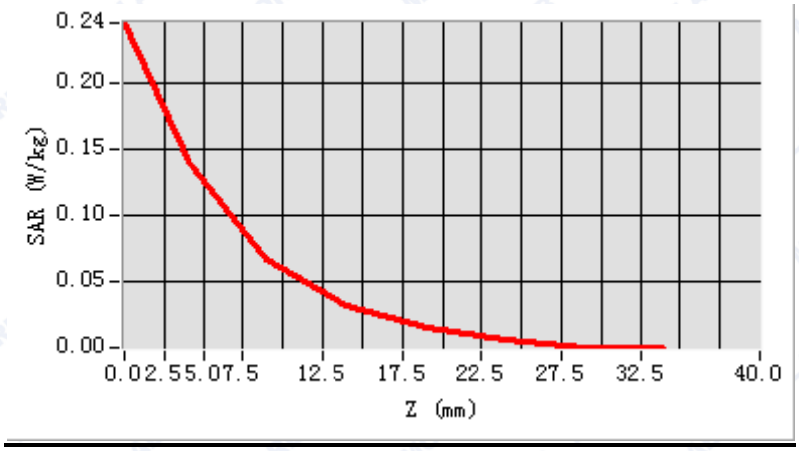
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

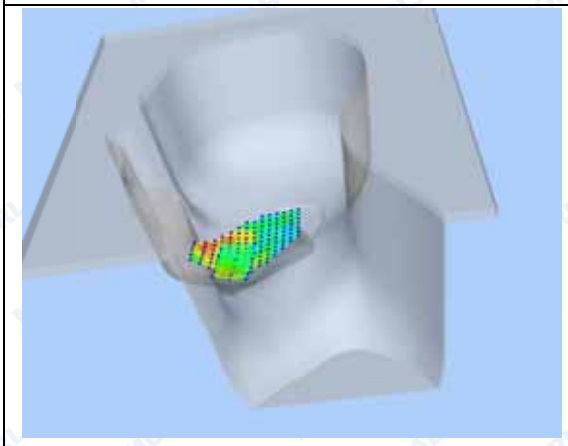
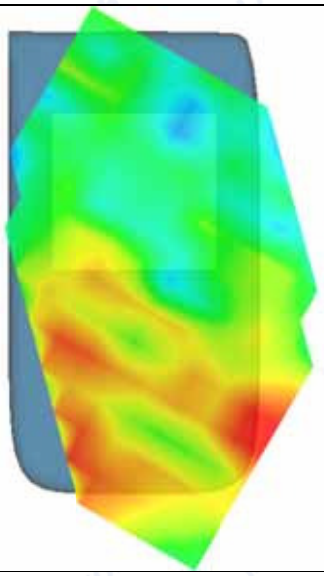
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-59.00, Y=-72.00**
**SAR Peak: 0.27 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.086370 |
| **SAR 1g (W/Kg)** | 0.120682 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 105 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 30 seconds

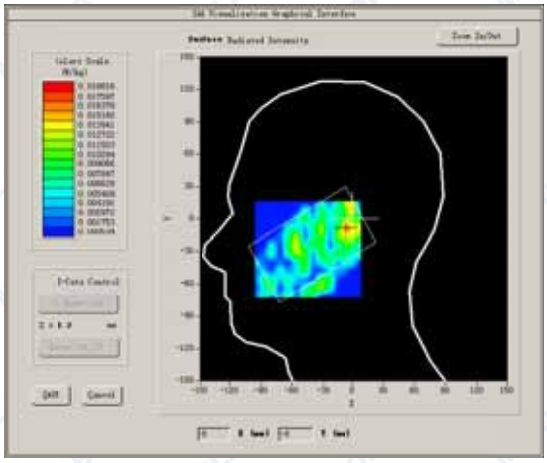
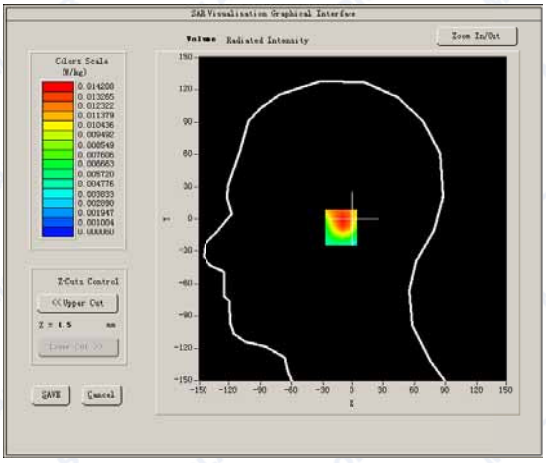
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Right head |
| **Device Position** | Tilt |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

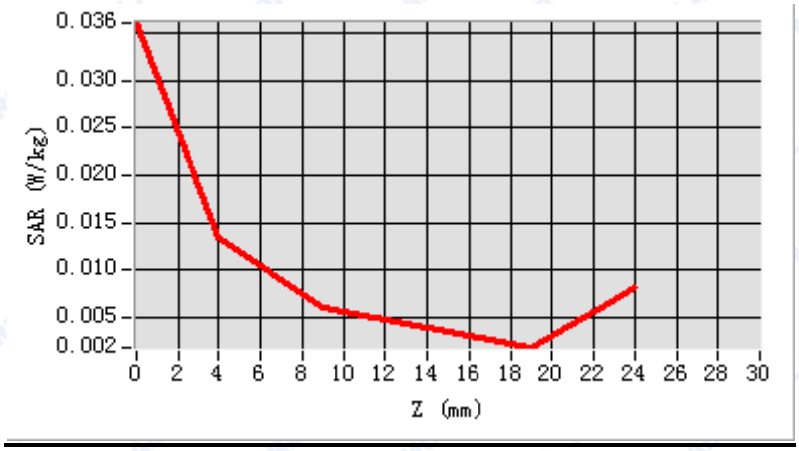
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

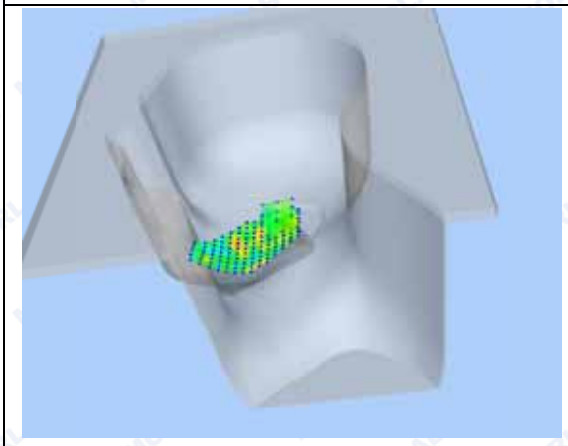
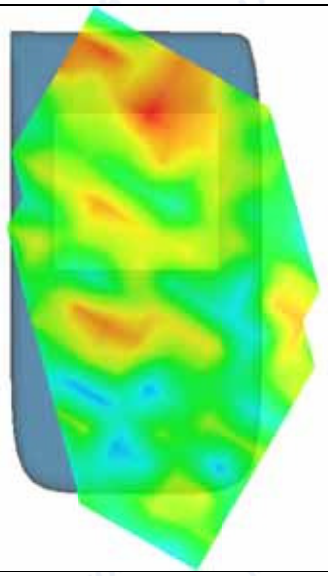
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-7.00, Y=-8.00**
**SAR Peak: 0.07 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.029371 |
| **SAR 1g (W/Kg)** | 0.040145 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 106 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 28 seconds

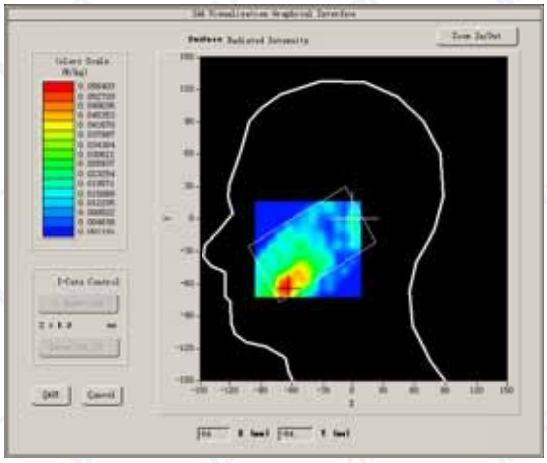
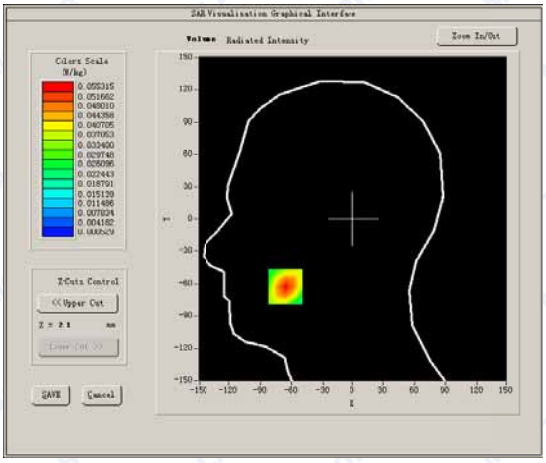
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Left head |
| **Device Position** | Cheek |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

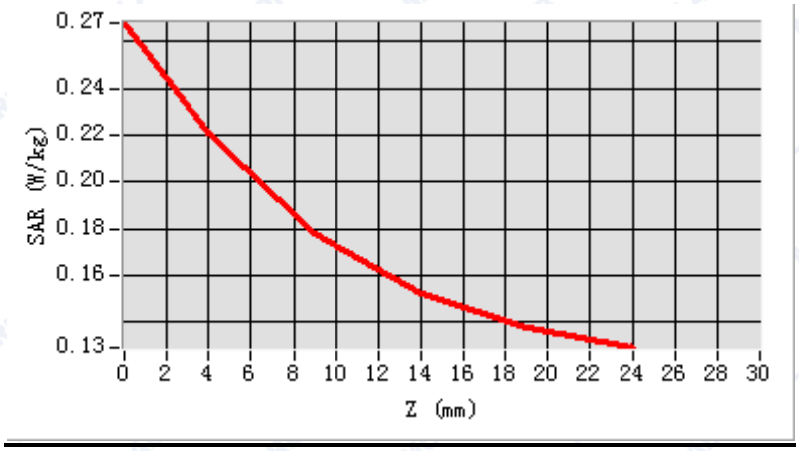
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

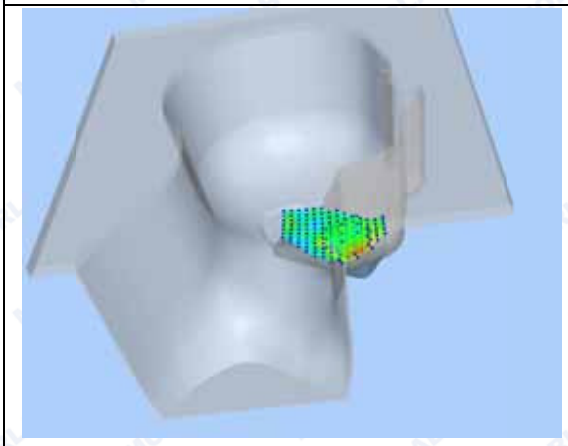
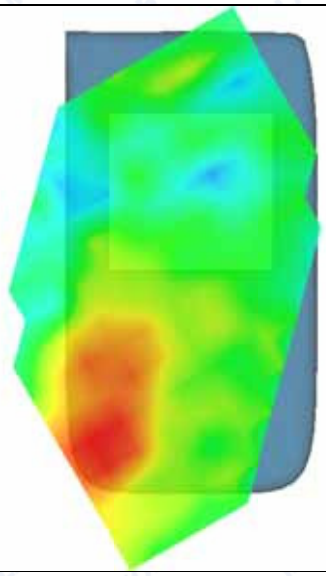
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-66.00, Y=-63.00**
**SAR Peak: 0.39 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.041119 |
| **SAR 1g (W/Kg)** | 0.087960 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 107 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 34 seconds

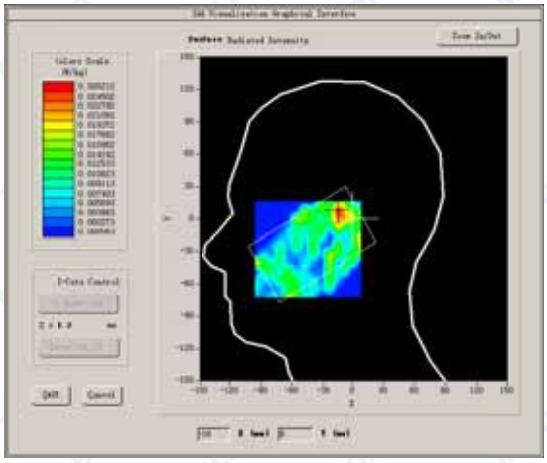
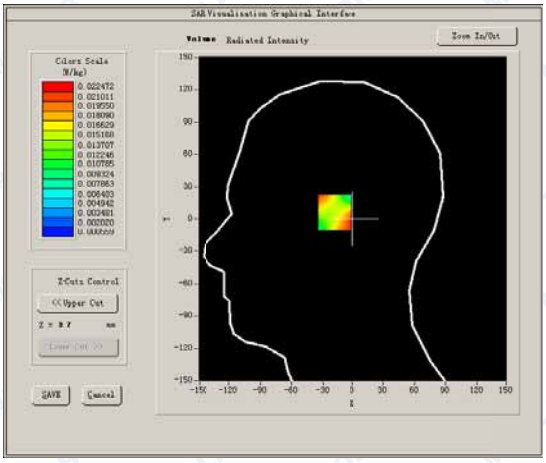
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | sam_direct_droit2_surf8mm.txt |
| **Phantom** | Left head |
| **Device Position** | Tilt |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

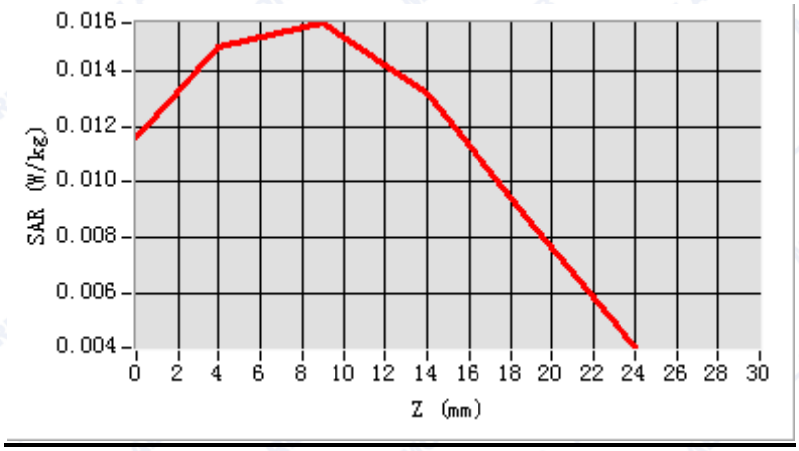
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 41.362849 |
| **Conductivity (S/m)** | 0.913725 |
| **Power drift (%)** | 1.430000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.73 |
| **Crest factor:** | 1:1 |

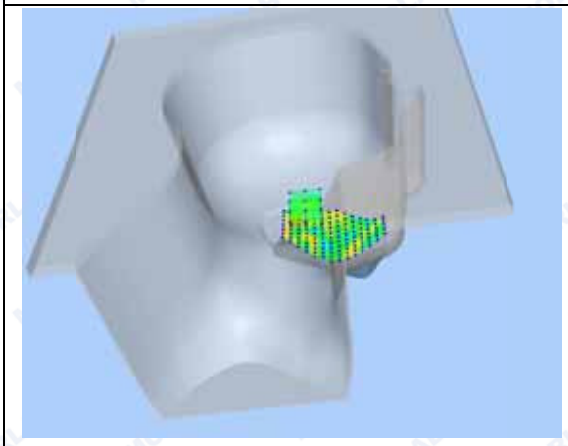
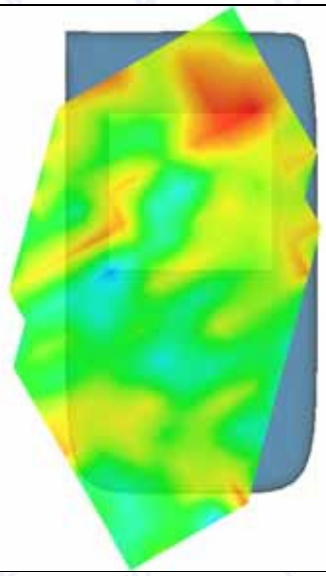
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-15.00, Y=6.00**
**SAR Peak: 0.04 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.032377 |
| **SAR 1g (W/Kg)** | 0.074264 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 108 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 29 seconds

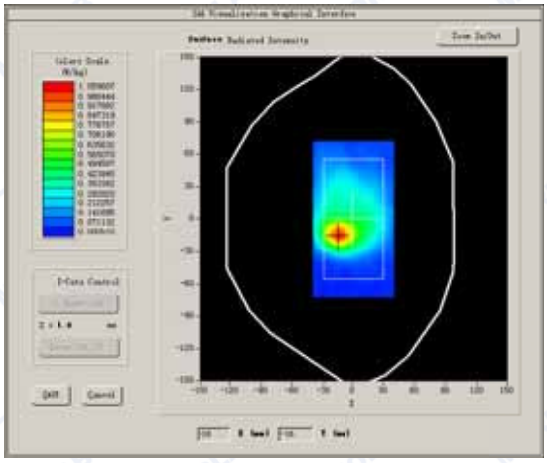
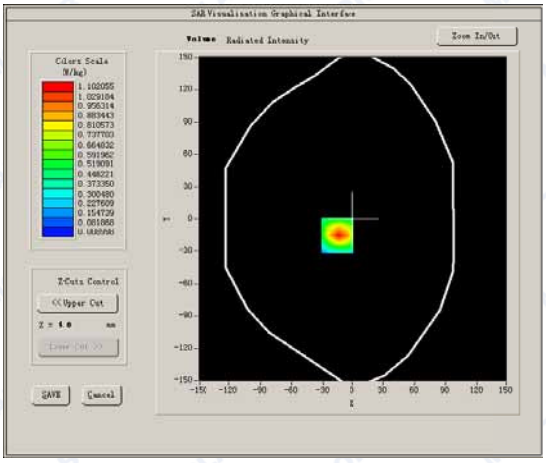
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Low |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Low Band SAR (Channel 20850):

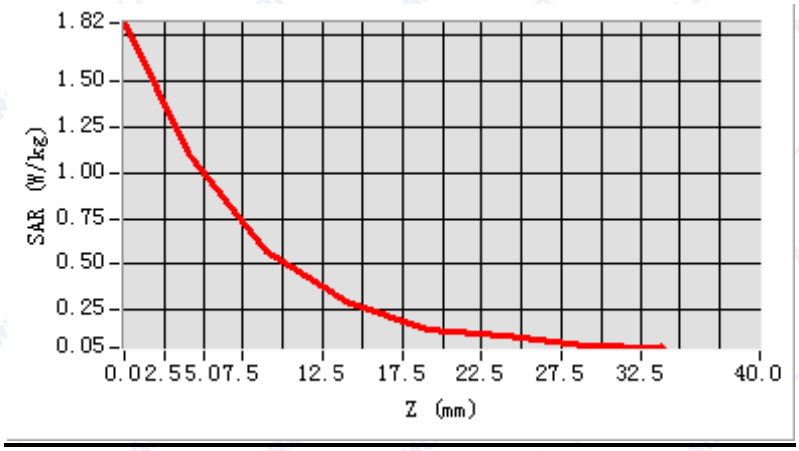
| | |
|---|---|
| **Frequency (MHz)** | 2510.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | 1.400000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

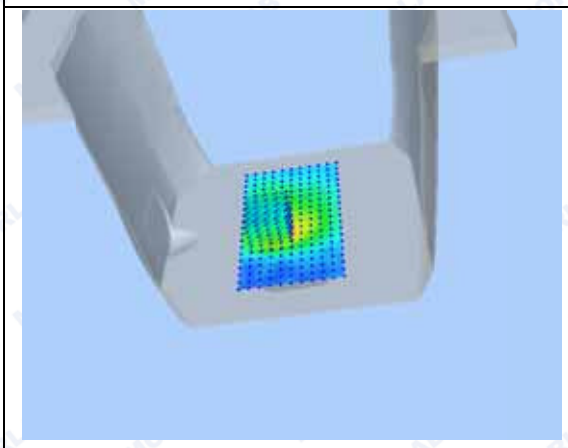
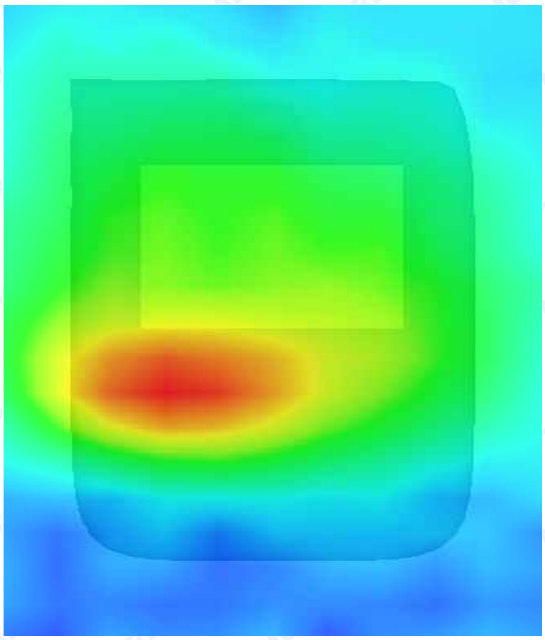
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-15.00, Y=-15.00**
**SAR Peak: 1.80 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.507661 |
| **SAR 1g (W/Kg)** | 1.079011 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 109 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 31 seconds

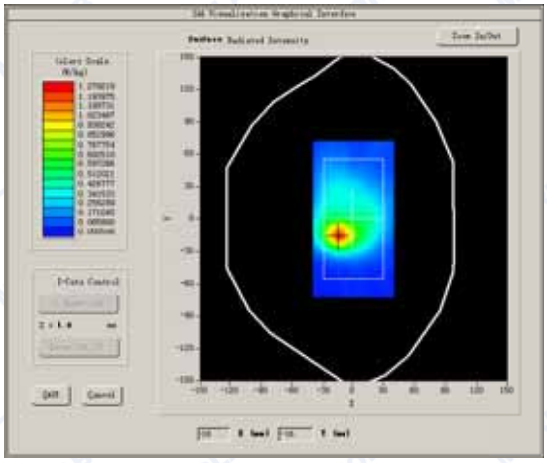
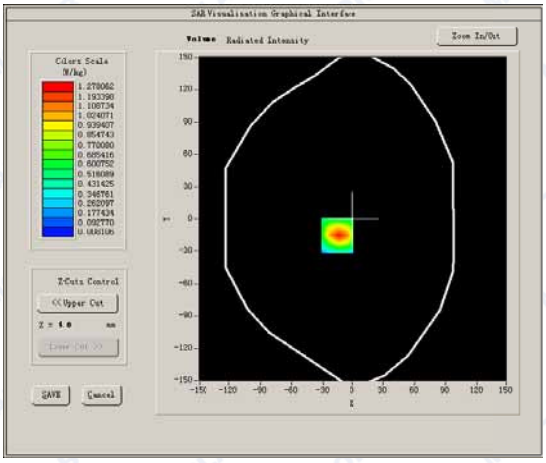
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

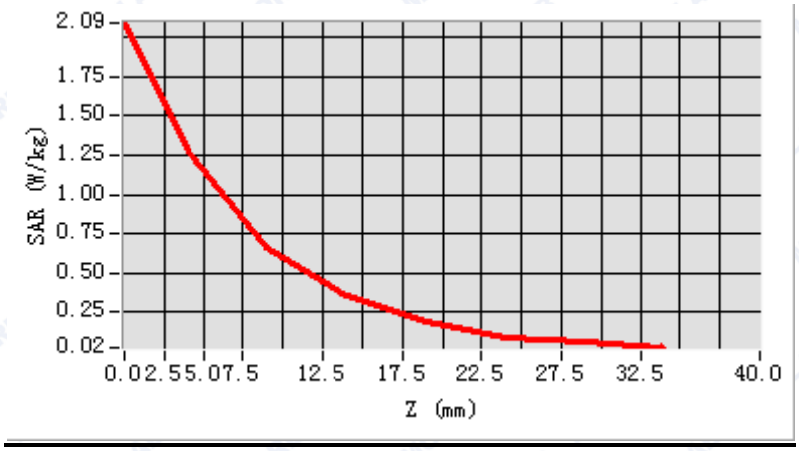
| | |
|---|---|
| **Frequency (MHz)** | 2535.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

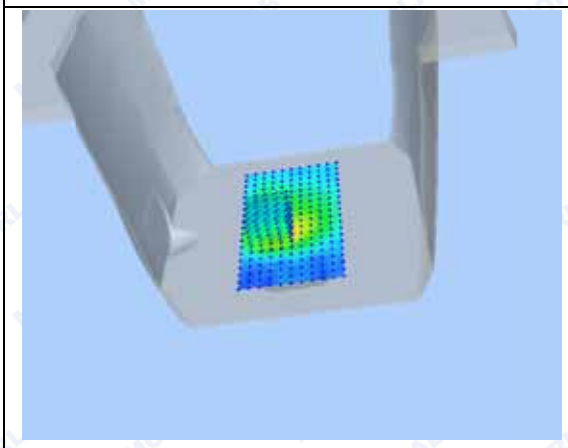
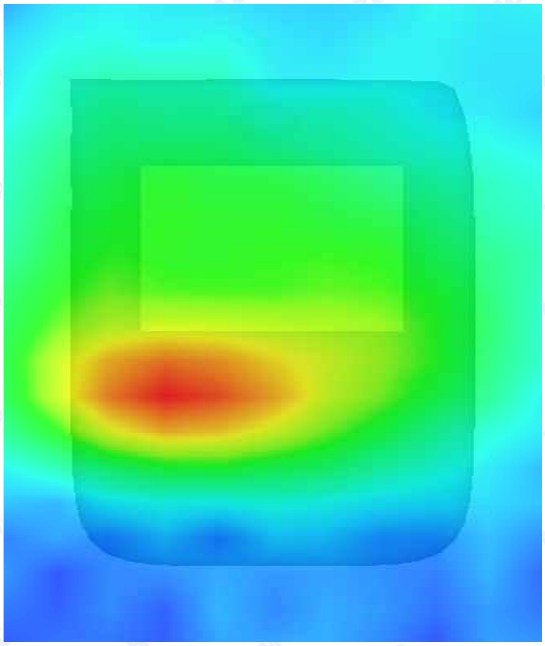
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-15.00, Y=-15.00**
**SAR Peak: 2.08 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.601253 |
| **SAR 1g (W/Kg)** | 1.088372 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 110 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 30 seconds

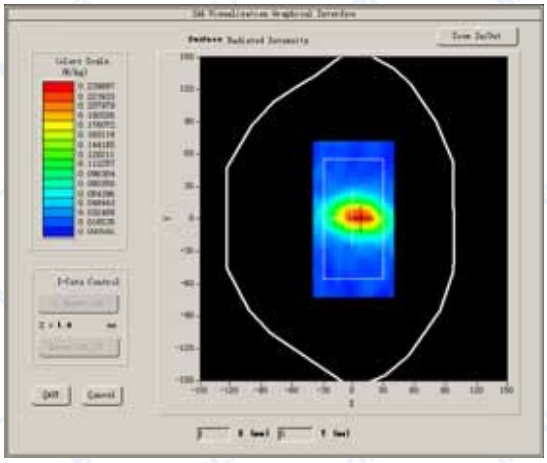
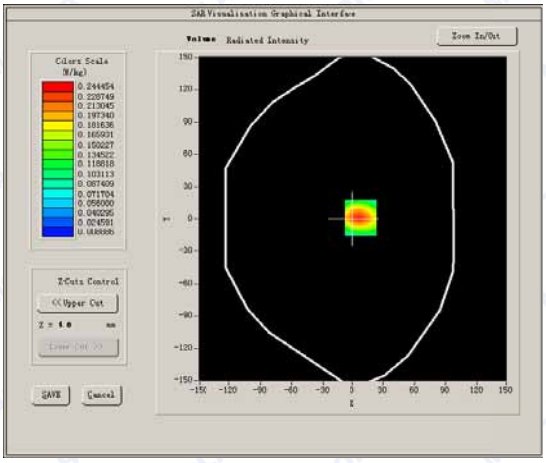
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | High |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

High Band SAR (Channel 21350):

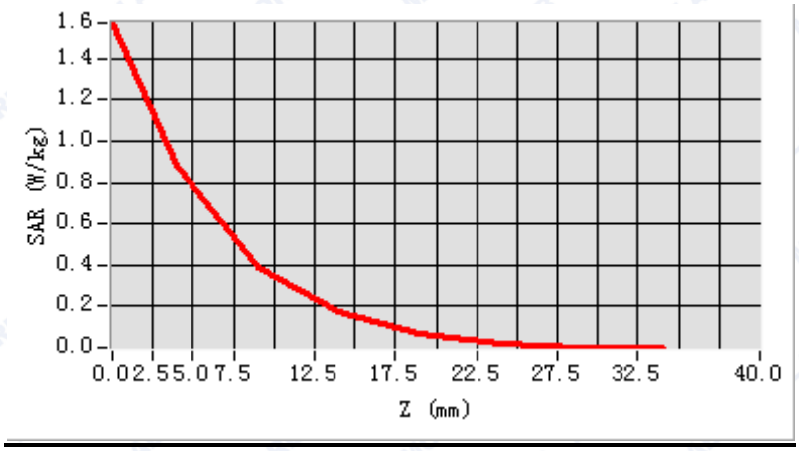
| | |
|---|---|
| **Frequency (MHz)** | 2560.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

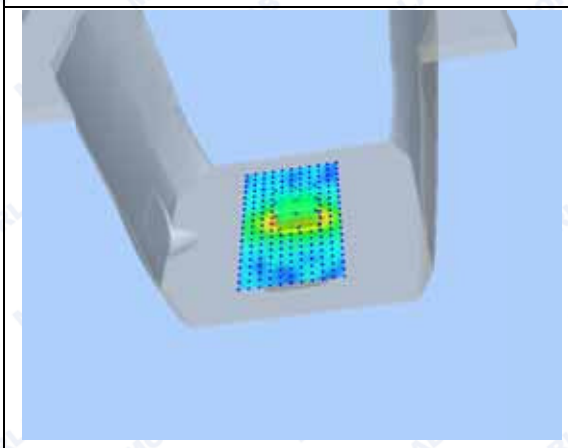
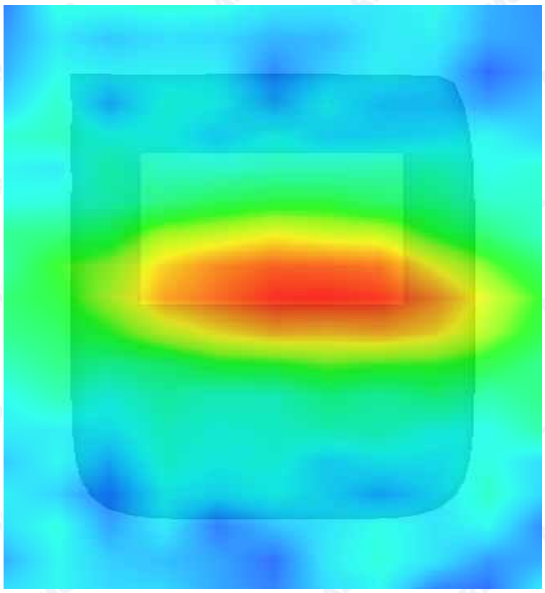
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=7.00, Y=1.00**
**SAR Peak: 1.38 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.725528 |
| **SAR 1g (W/Kg)** | 1.063852 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 111 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 29 seconds

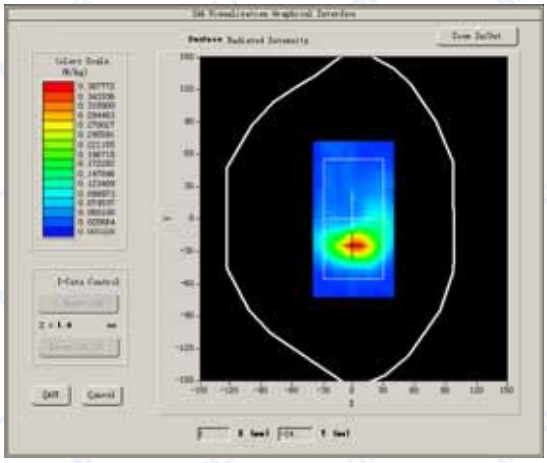
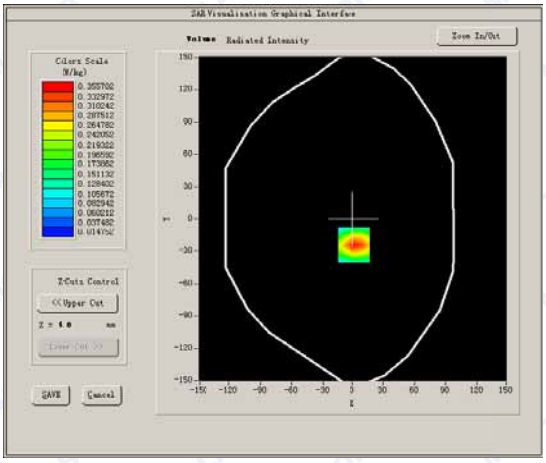
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

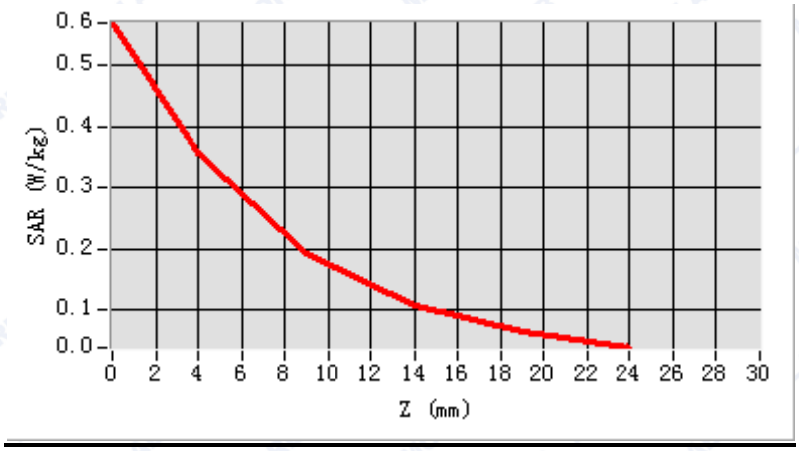
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | 1.400000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

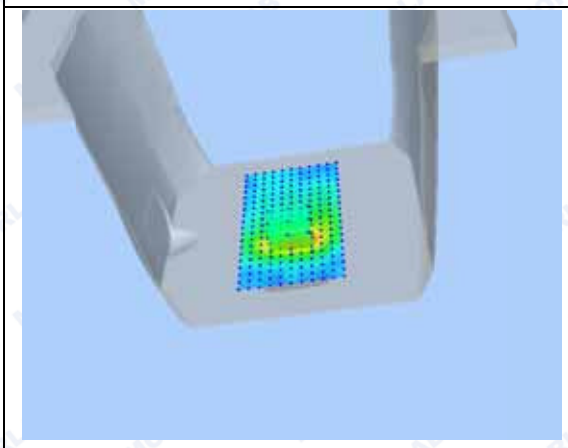
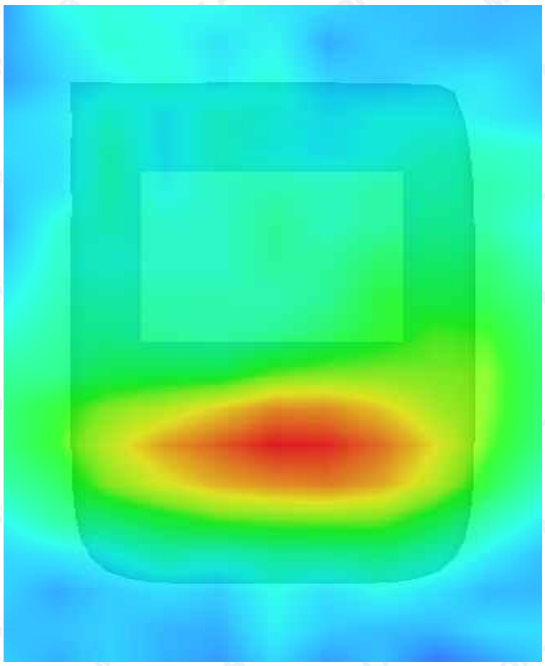
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=1.00, Y=-24.00**
**SAR Peak: 0.57 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.163879 |
| **SAR 1g (W/Kg)** | 0.276152 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 112 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 29 seconds

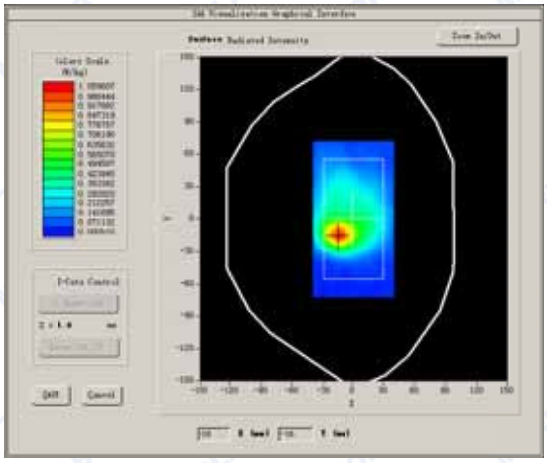
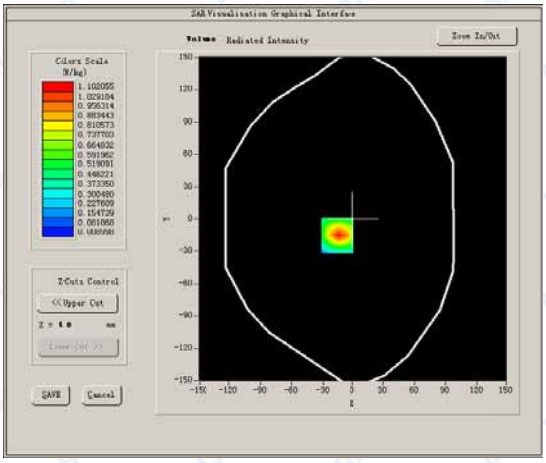
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Low |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Low Band SAR (Channel 20850):

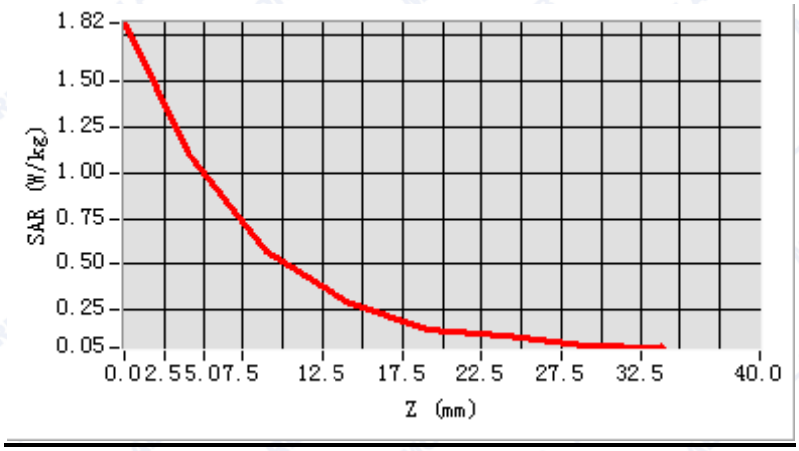
| | |
|---|---|
| **Frequency (MHz)** | 2510.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | 1.400000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

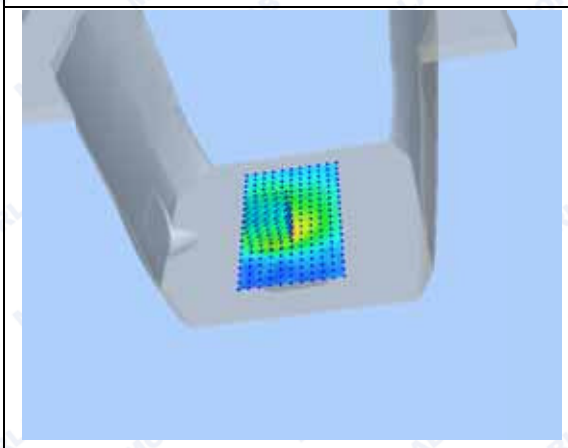
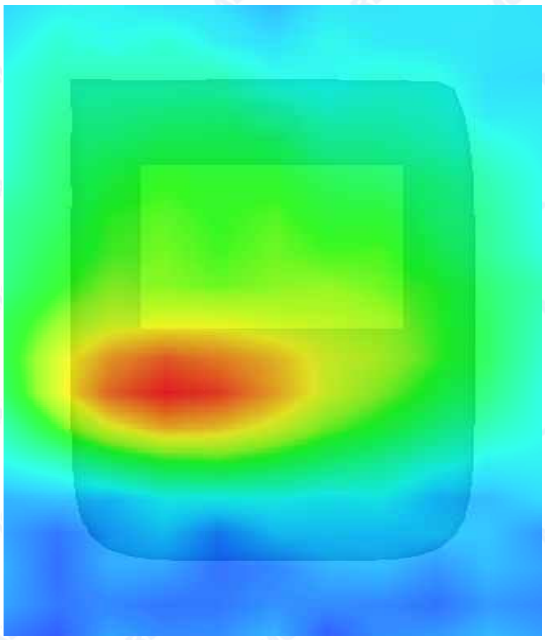
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-15.00, Y=-15.00**
**SAR Peak: 1.80 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.880325 |
| **SAR 1g (W/Kg)** | 1.289035 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 113 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 31 seconds

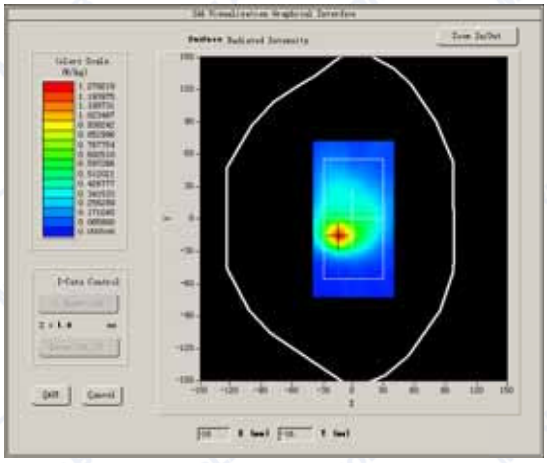
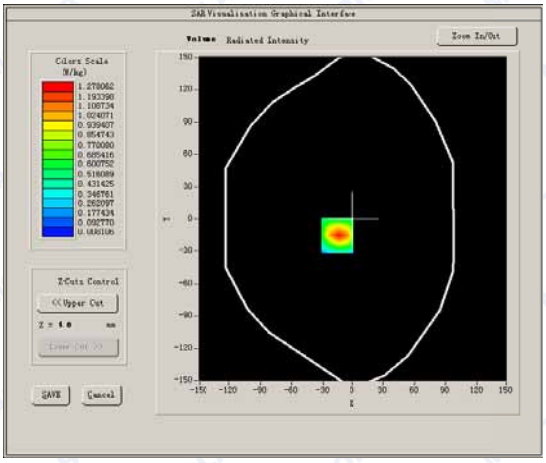
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

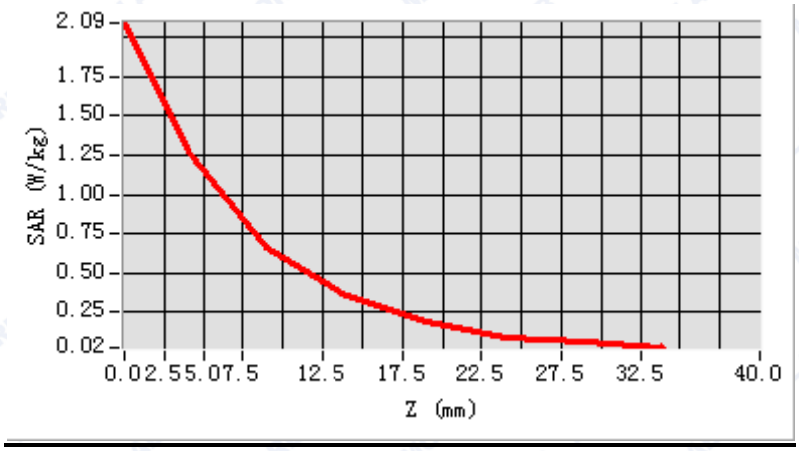
| | |
|---|---|
| **Frequency (MHz)** | 2535.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

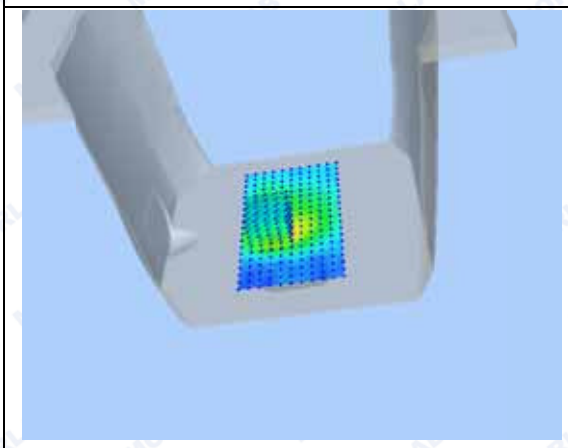
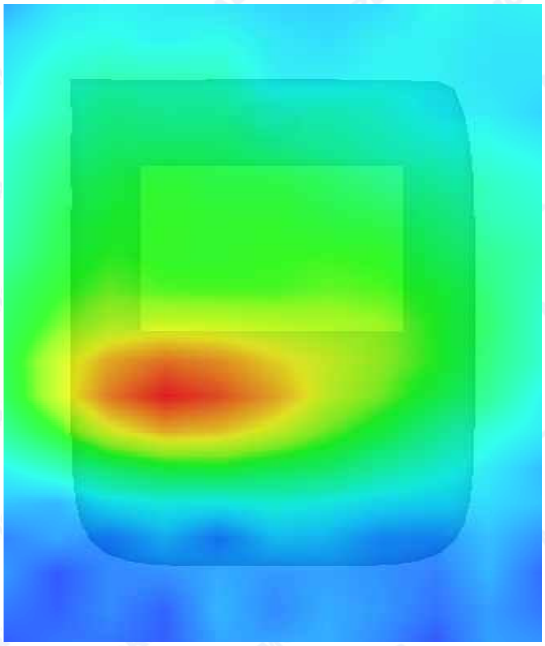
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-15.00, Y=-15.00**
**SAR Peak: 2.08 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.873526 |
| **SAR 1g (W/Kg)** | 1.305035 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 114 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 30 seconds

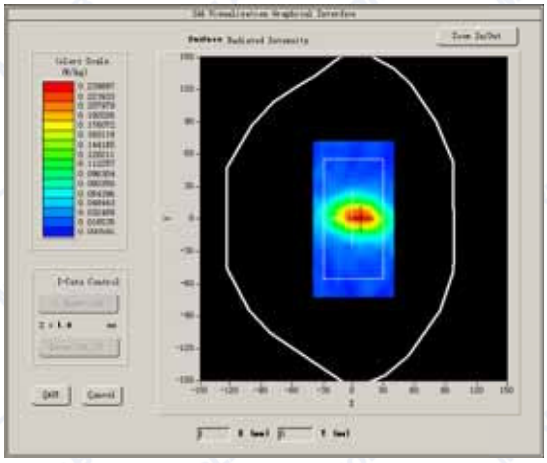
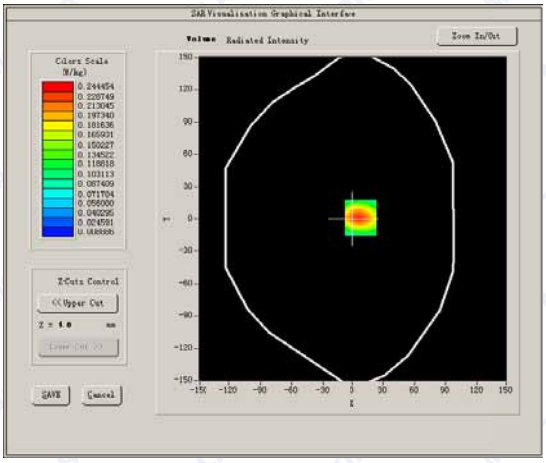
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | High |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

High Band SAR (Channel 21350):

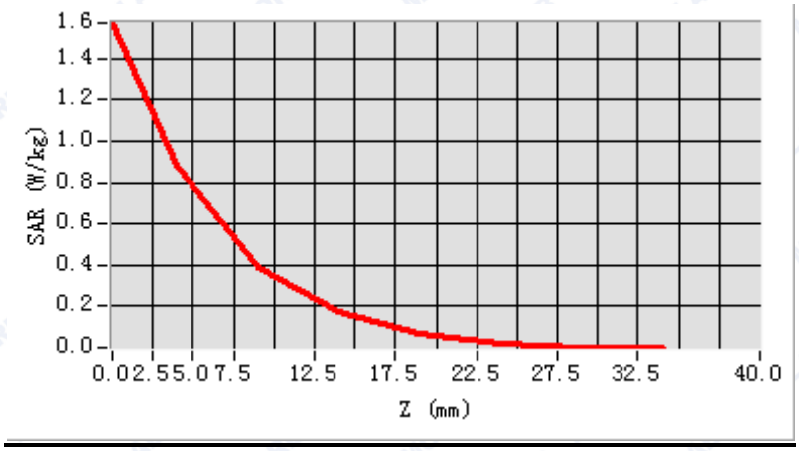
| | |
|---|---|
| **Frequency (MHz)** | 2560.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | -2.140000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

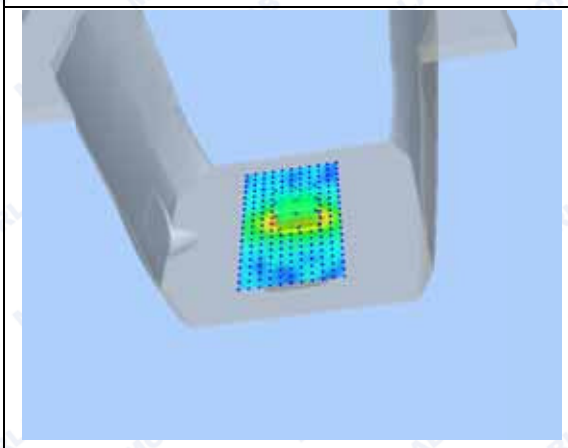
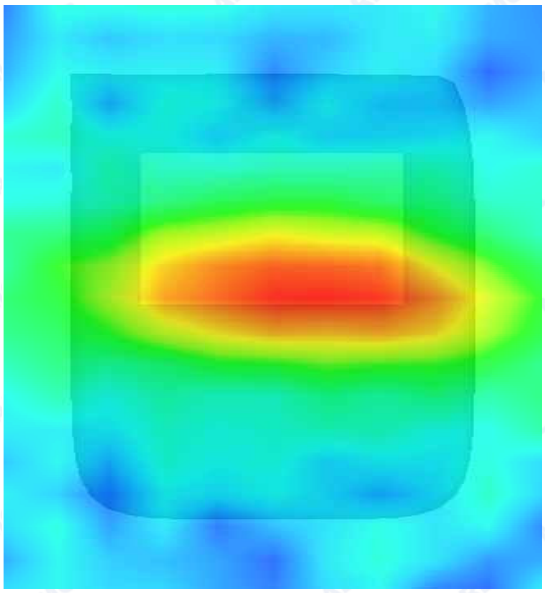
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=7.00, Y=1.00**
**SAR Peak: 1.38 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.725528 |
| **SAR 1g (W/Kg)** | 1.268356 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 115 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 30 seconds

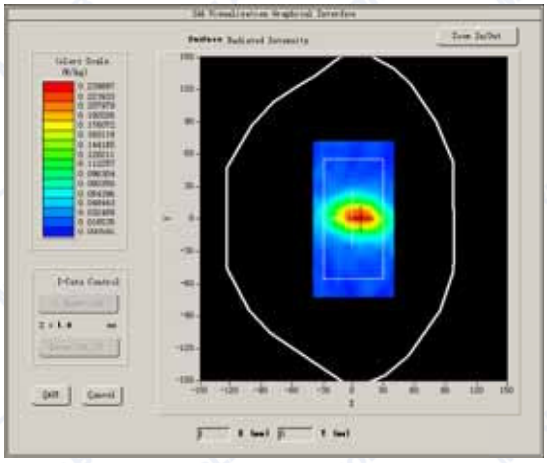
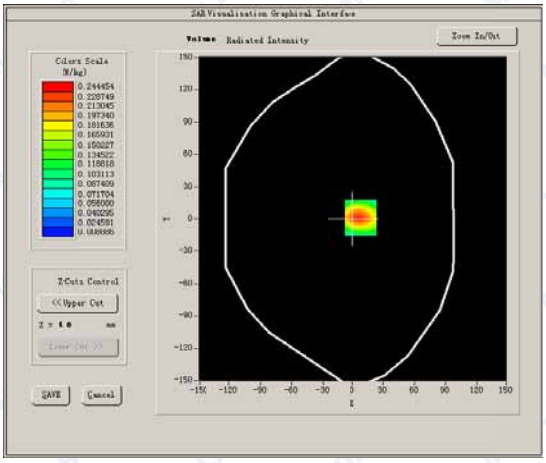
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

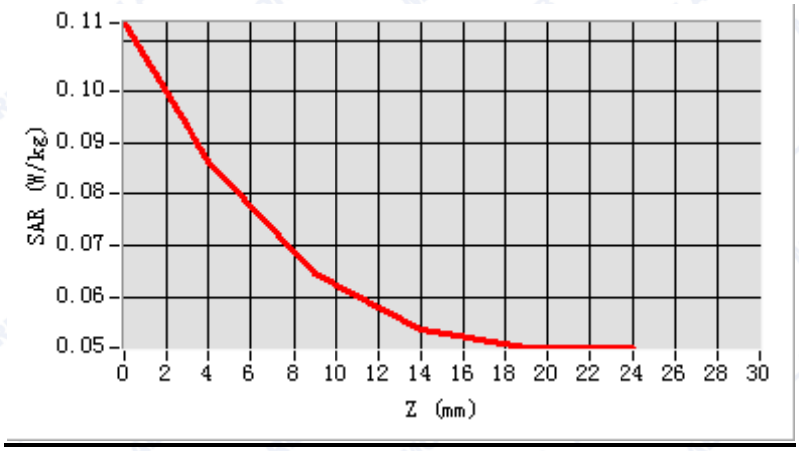
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | 1.400000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

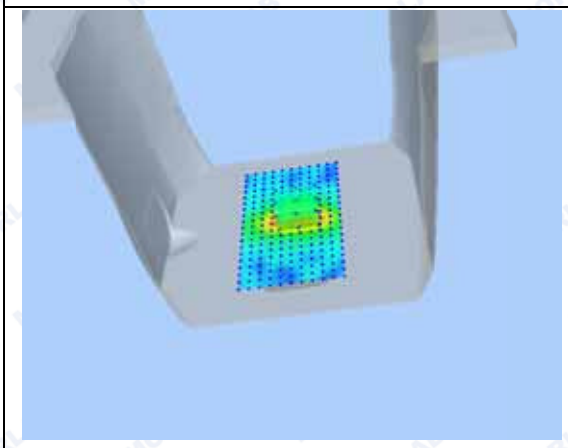
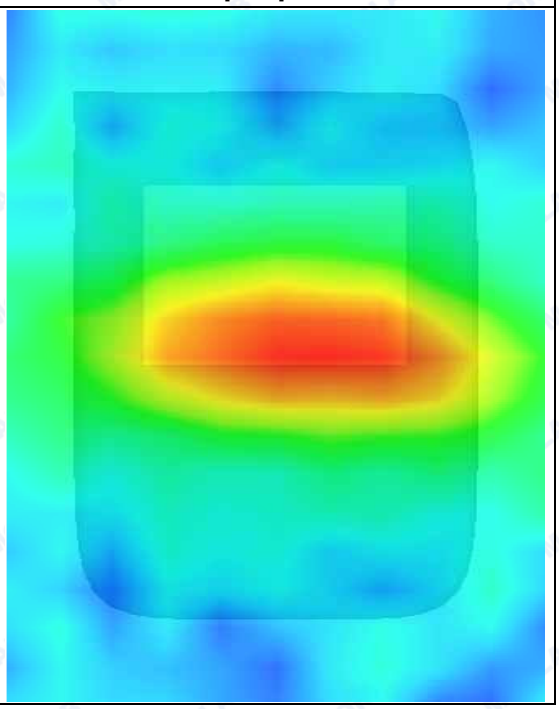
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=7.00, Y=1.00**
**SAR Peak: 0.18 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.023520 |
| **SAR 1g (W/Kg)** | 0.081204 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 116 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 31 seconds

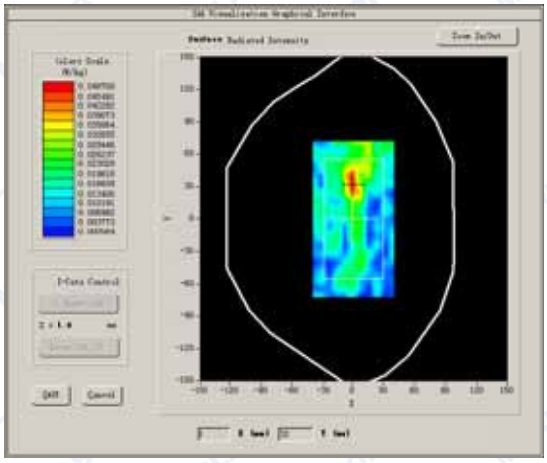
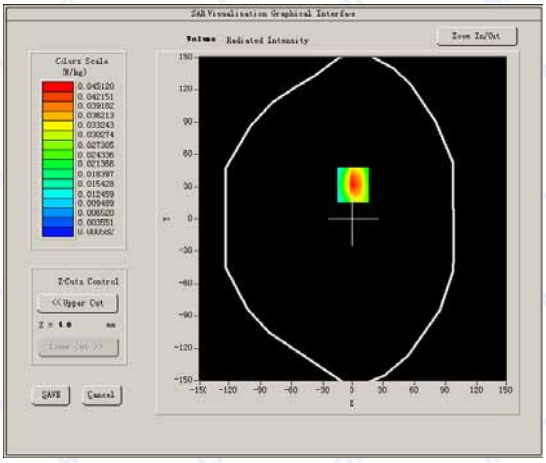
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_50RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

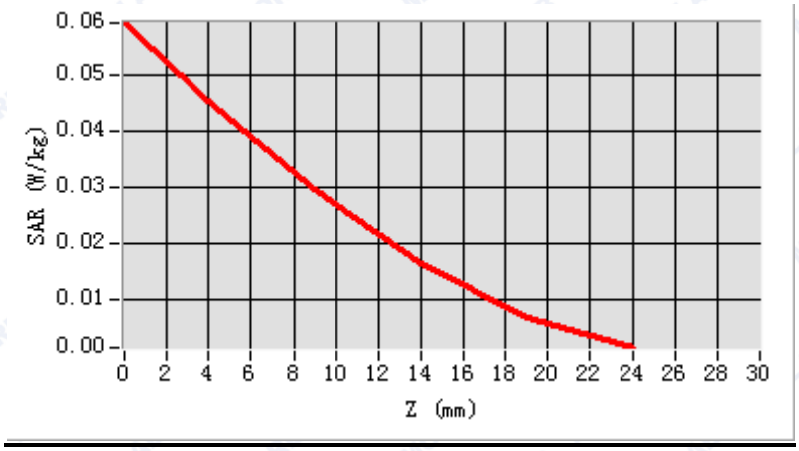
| | |
|---|---|
| **Frequency (MHz)** | 1879.500000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | 1.400000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

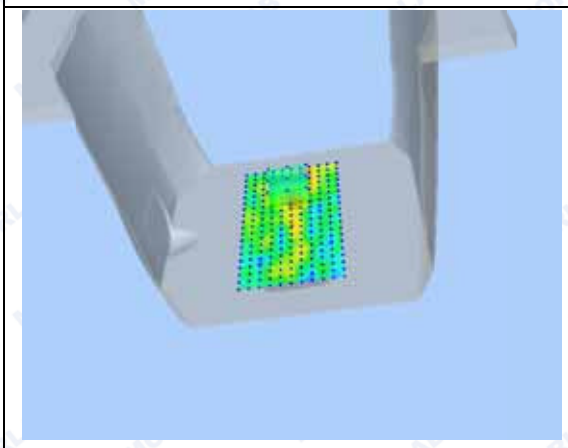
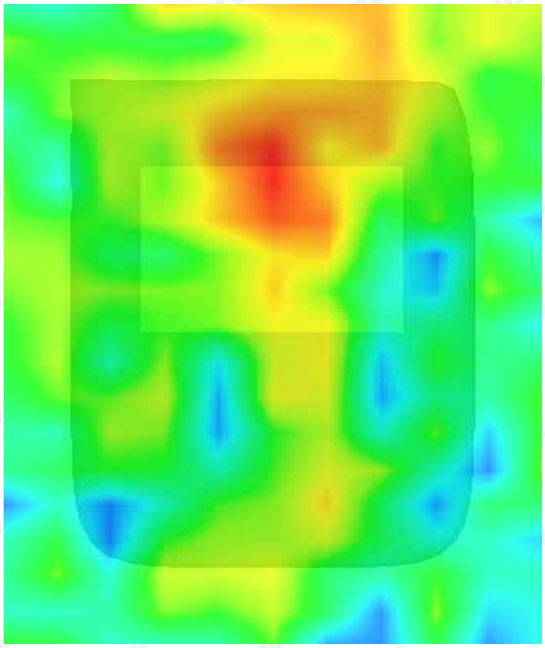
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=0.00, Y=32.00**
**SAR Peak: 0.07 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.015107 |
| **SAR 1g (W/Kg)** | 0.045774 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 117 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 29 seconds

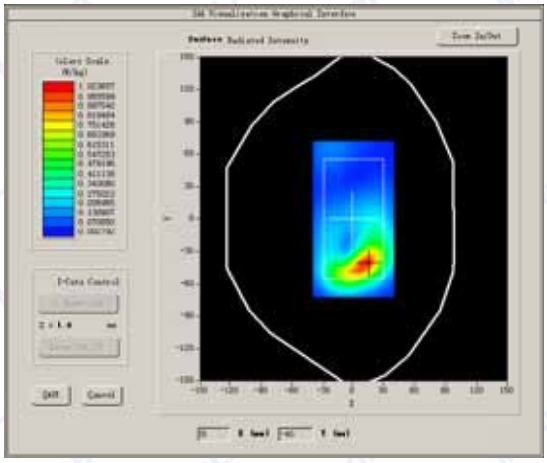
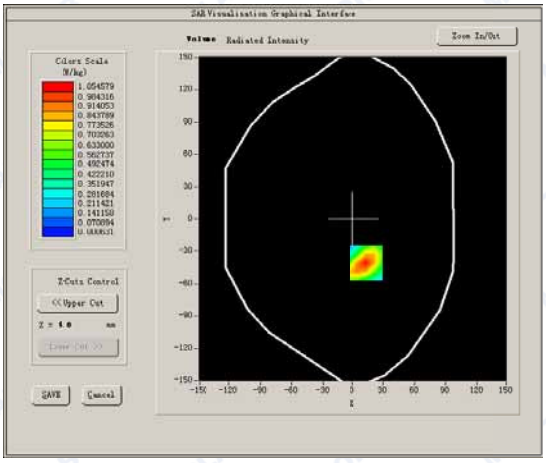
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_100RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

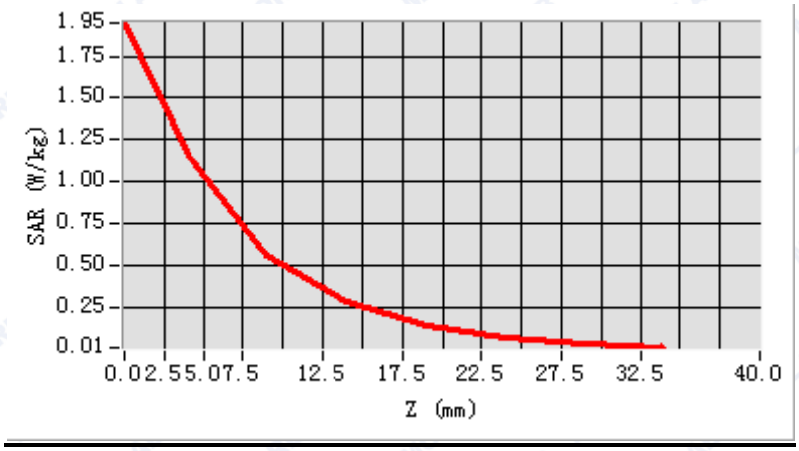
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | 1.400000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

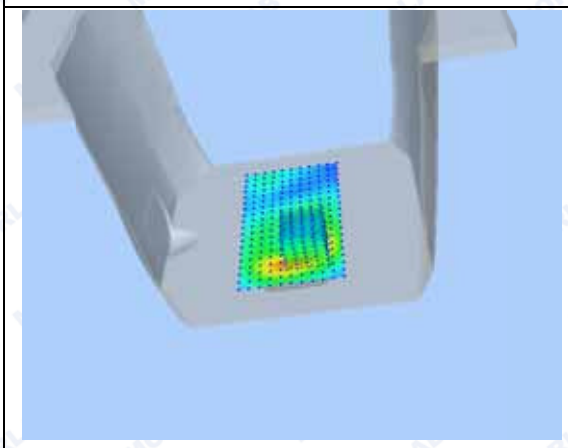
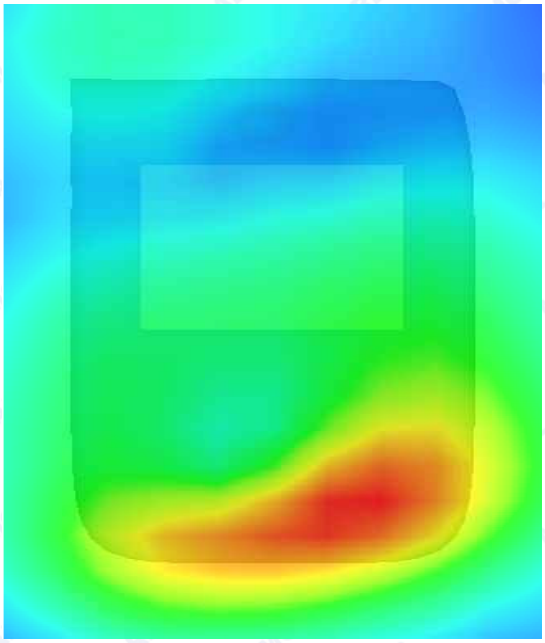
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-8.00, Y=-2.00**
**SAR Peak: 1.93 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.521090 |
| **SAR 1g (W/Kg)** | 1.108364 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 118 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 29 seconds

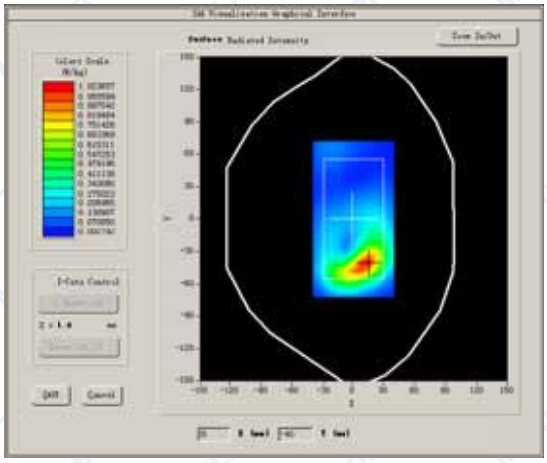
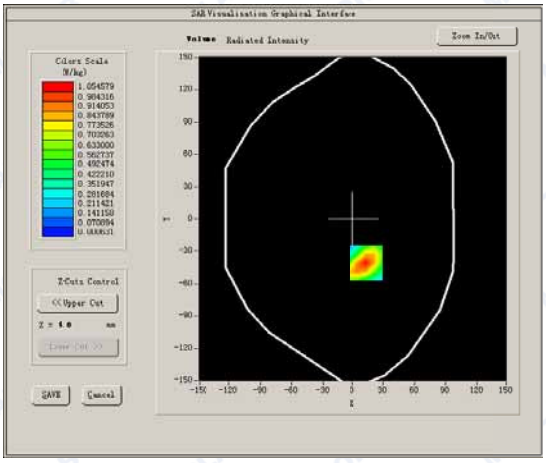
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | LTE BAND7 (20MHZ) |
| **Channels** | Middle |
| **Signal** | QPSK_100RB_RB offset 0 |

## B. SAR Measurement Results

Middle Band SAR (Channel 21100):

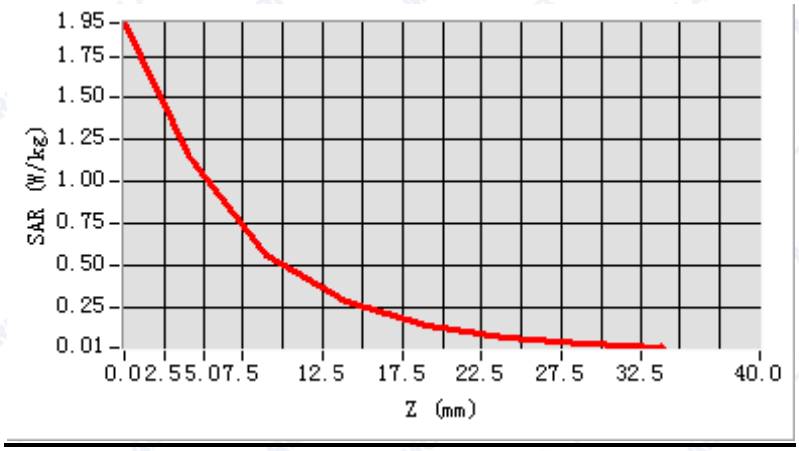
| | |
|---|---|
| **Frequency (MHz)** | 1880.000000 |
| **Relative permittivity (real part)** | 53.103824 |
| **Conductivity (S/m)** | 1.534291 |
| **Power drift (%)** | 1.400000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 6.17 |
| **Crest factor:** | 1:1 |

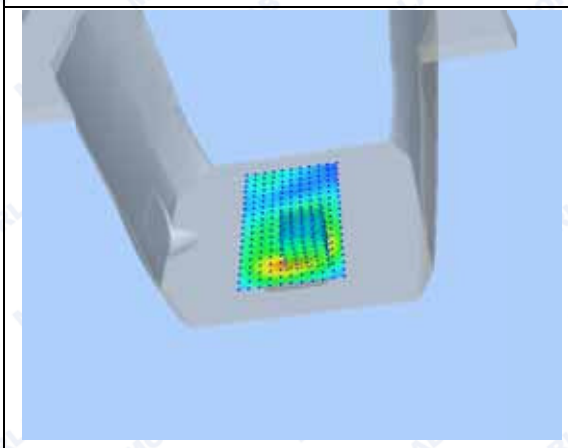
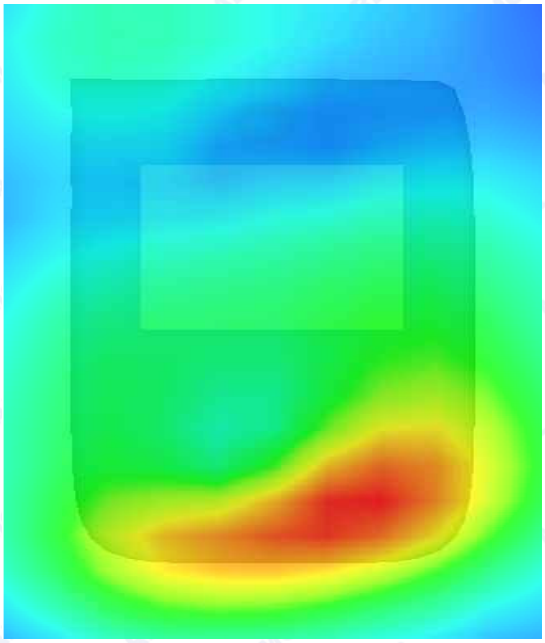
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-8.00, Y=-2.00**
**SAR Peak: 1.93 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.721090 |
| **SAR 1g (W/Kg)** | 1.257052 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 119 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 7 minutes 47 seconds

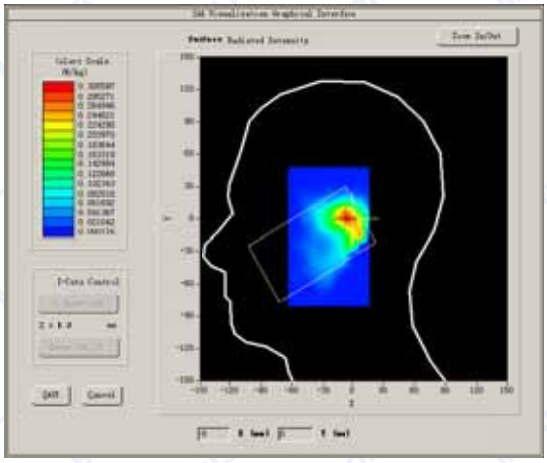
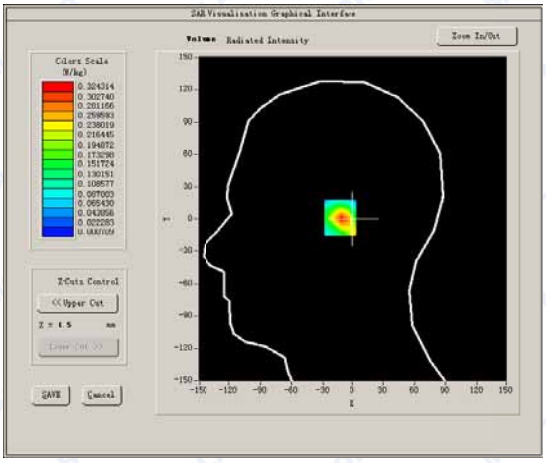
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Right head |
| **Device Position** | Cheek |
| **Band** | 802.11b |
| **Channels** | Middle |
| **Signal** | DSSS |

## B. SAR Measurement Results

Middle Band SAR (Channel 1)

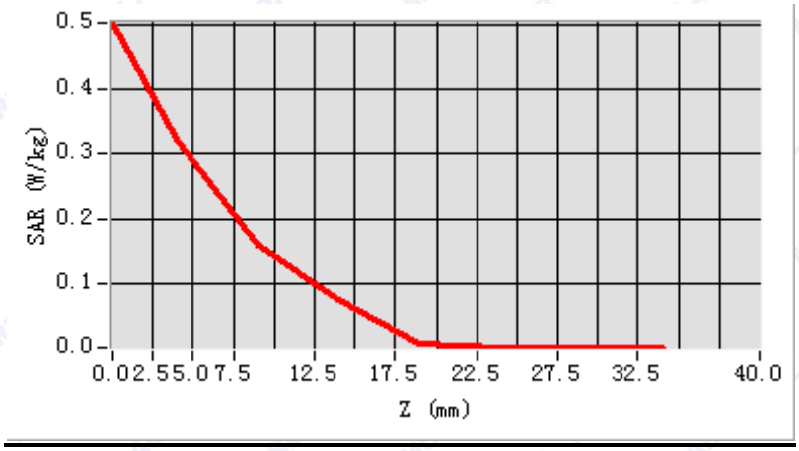
| | |
|---|---|
| **Frequency (MHz)** | 2412.000000 |
| **Relative permittivity (real part)** | 39.114268 |
| **Conductivity (S/m)** | 1.793824 |
| **Power drift (%)** | 1.130000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 4.80 |
| **Crest factor:** | 1:1 |

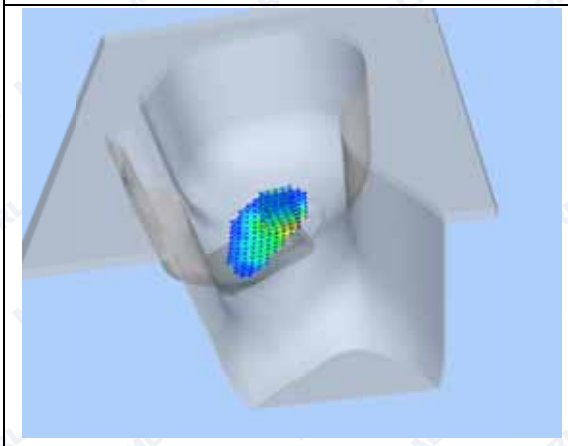
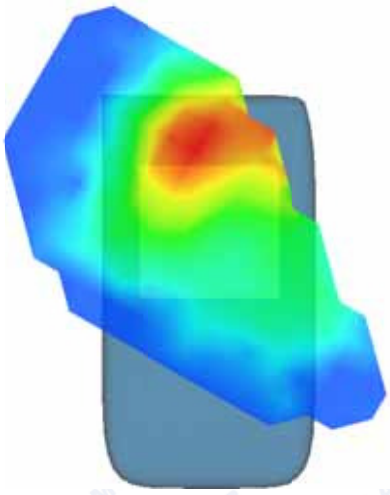
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-7.00, Y=1.00**
**SAR Peak: 0.51 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.089221 |
| **SAR 1g (W/Kg)** | 0.179638 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 120 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 7 minutes 47 seconds

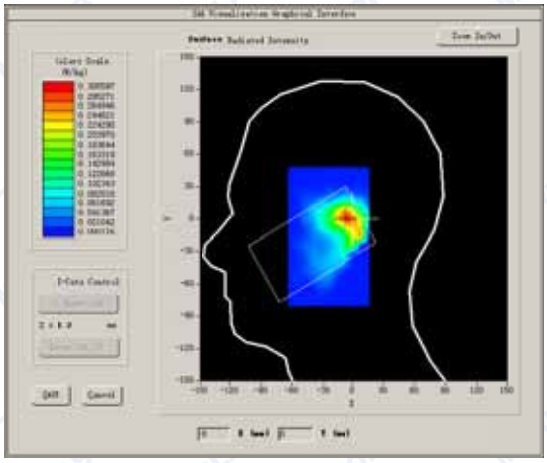
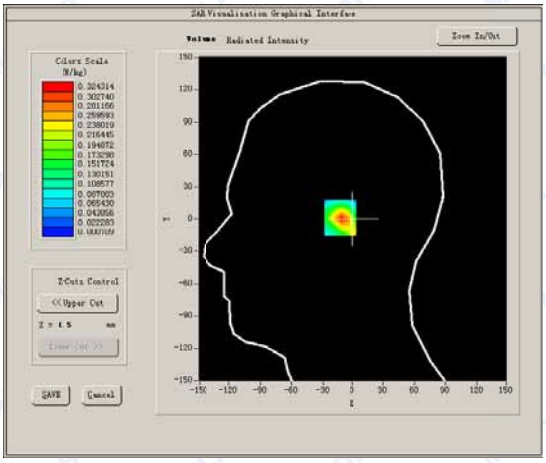
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Right head |
| **Device Position** | Tilt |
| **Band** | 802.11b |
| **Channels** | Middle |
| **Signal** | DSSS |

## B. SAR Measurement Results

Middle Band SAR (Channel 1)

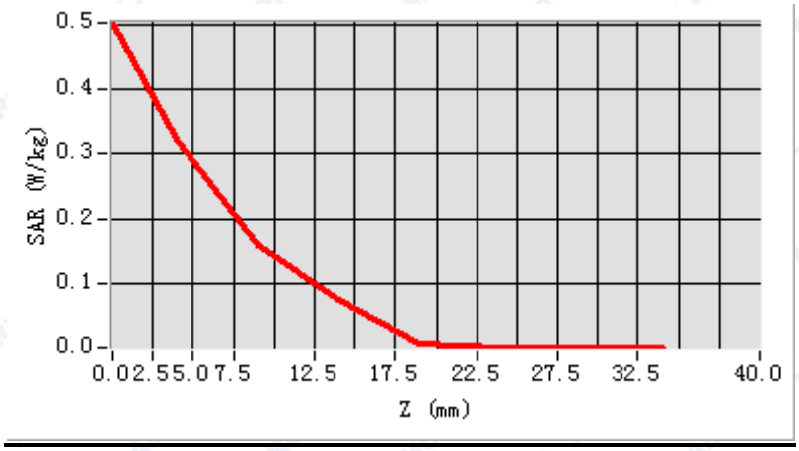
| | |
|---|---|
| **Frequency (MHz)** | 2412.000000 |
| **Relative permittivity (real part)** | 39.114268 |
| **Conductivity (S/m)** | 1.793824 |
| **Power drift (%)** | 1.130000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 4.80 |
| **Crest factor:** | 1:1 |

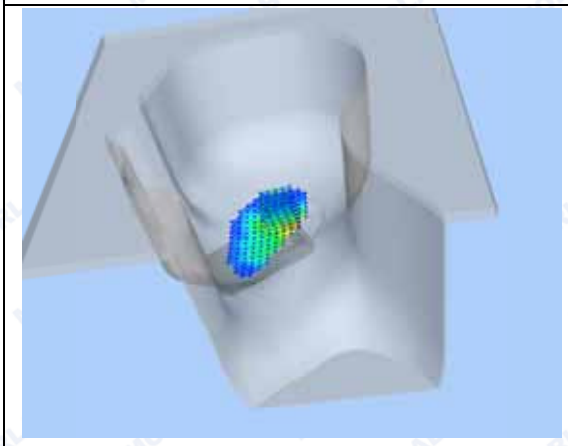
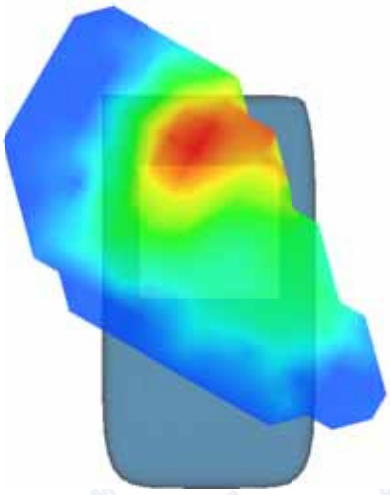
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-7.00, Y=1.00**
**SAR Peak: 0.51 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.033782 |
| **SAR 1g (W/Kg)** | 0.076432 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 121 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 7 minutes 51 seconds

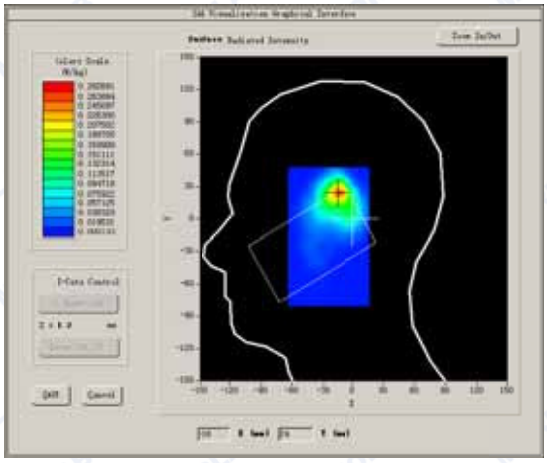
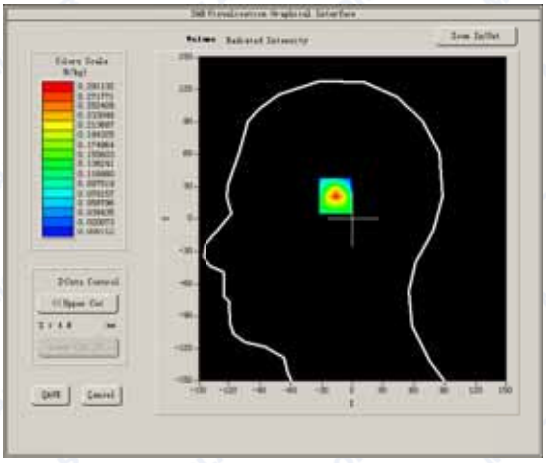
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Left head |
| **Device Position** | Cheek |
| **Band** | 802.11b |
| **Channels** | Middle |
| **Signal** | DSSS |

## B. SAR Measurement Results

Middle Band SAR (Channel 1)

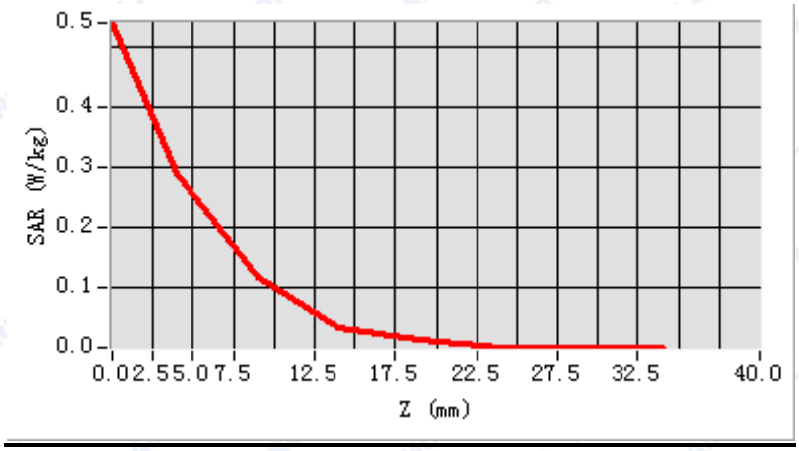
| | |
|---|---|
| **Frequency (MHz)** | 2412.000000 |
| **Relative permittivity (real part)** | 39.114268 |
| **Conductivity (S/m)** | 1.793824 |
| **Power drift (%)** | -0.960000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 4.80 |
| **Crest factor:** | 1:1 |

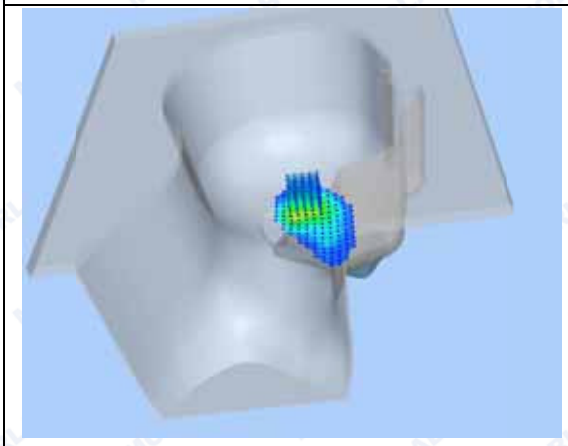
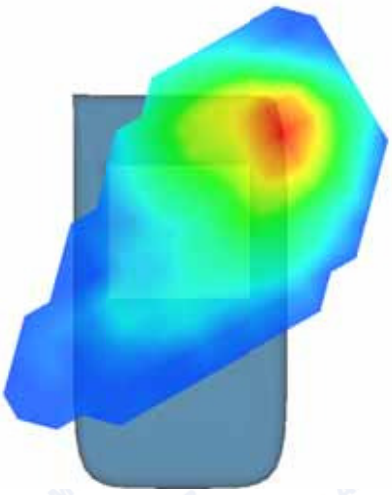
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-15.00, Y=24.00**
**SAR Peak: 0.54 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.094377 |
| **SAR 1g (W/Kg)** | 0.130051 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 122 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 7 minutes 51 seconds

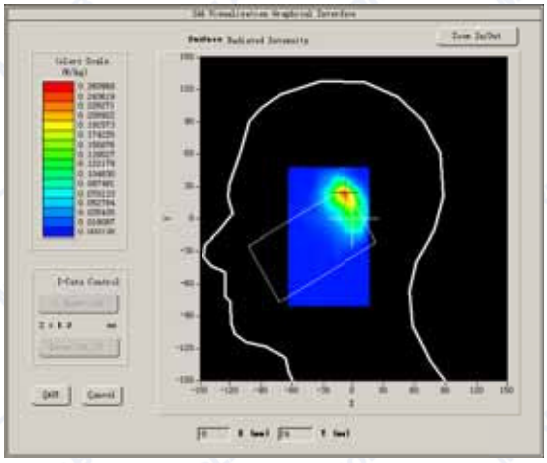
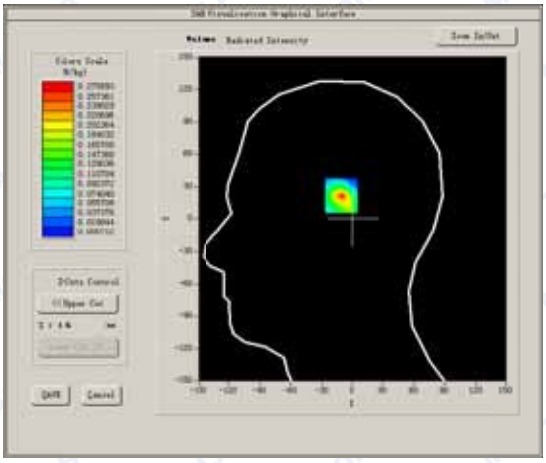
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Left head |
| **Device Position** | Tilt |
| **Band** | 802.11b |
| **Channels** | Middle |
| **Signal** | DSSS |

## B. SAR Measurement Results

Middle Band SAR (Channel 1)

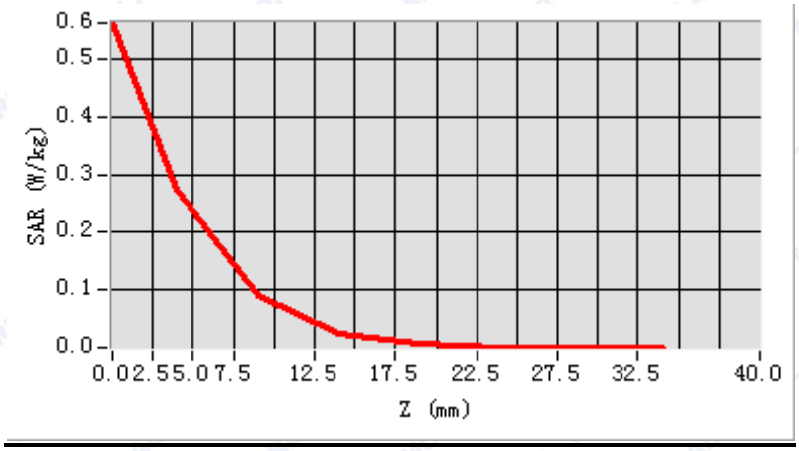
| | |
|---|---|
| **Frequency (MHz)** | 2412.000000 |
| **Relative permittivity (real part)** | 39.114268 |
| **Conductivity (S/m)** | 1.793824 |
| **Power drift (%)** | -1.630000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 4.80 |
| **Crest factor:** | 1:1 |

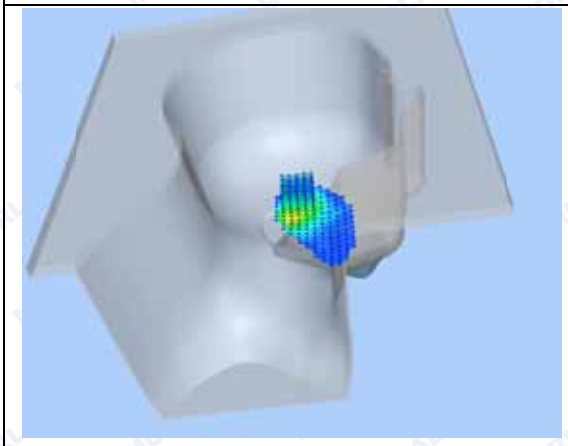
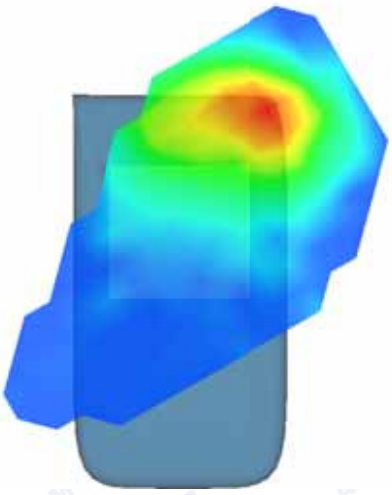
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=-8.00, Y=24.00**
**SAR Peak: 0.55 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.023319 |
| **SAR 1g (W/Kg)** | 0.054614 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 123 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 37 seconds

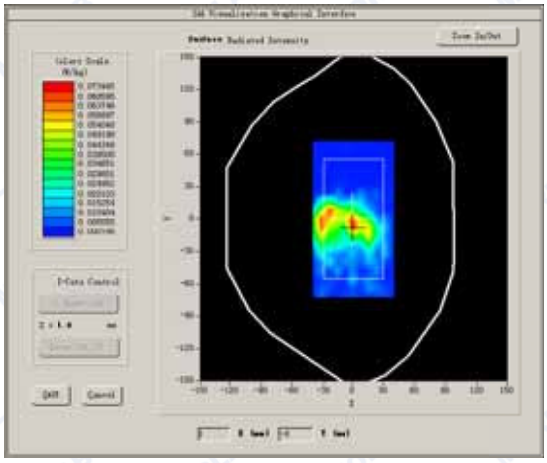
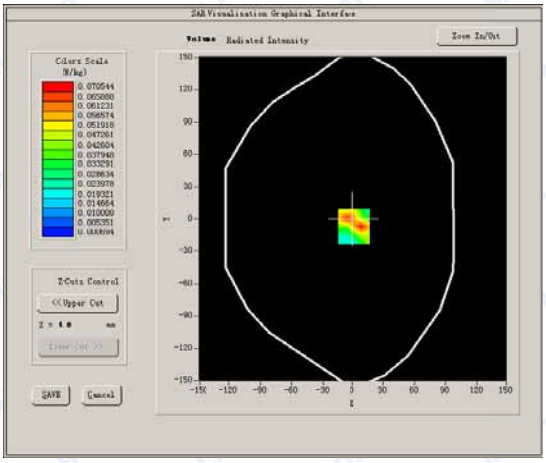
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | 802.11b |
| **Channels** | Middle |
| **Signal** | DSSS |

## B. SAR Measurement Results

Middle Band SAR (Channel 1)

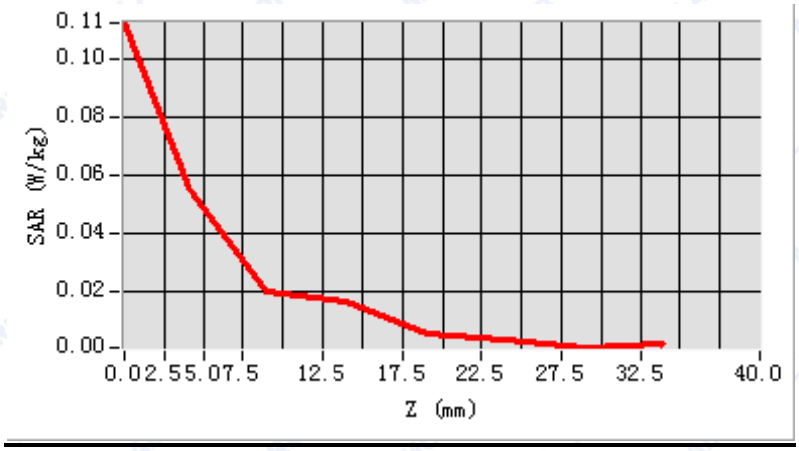
| | |
|---|---|
| **Frequency (MHz)** | 2412.000000 |
| **Relative permittivity (real part)** | 52.519342 |
| **Conductivity (S/m)** | 1.935672 |
| **Power drift (%)** | -3.420000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 4.96 |
| **Crest factor:** | 1:1 |

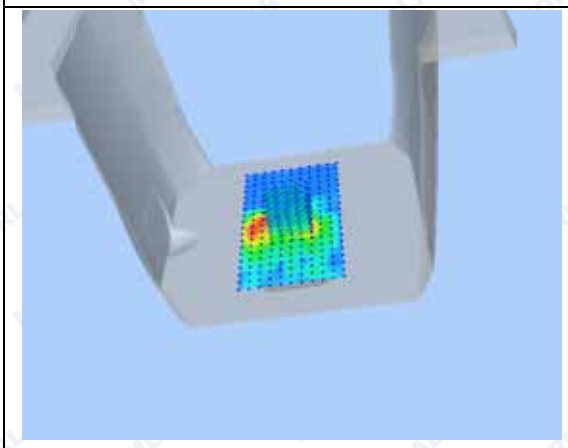
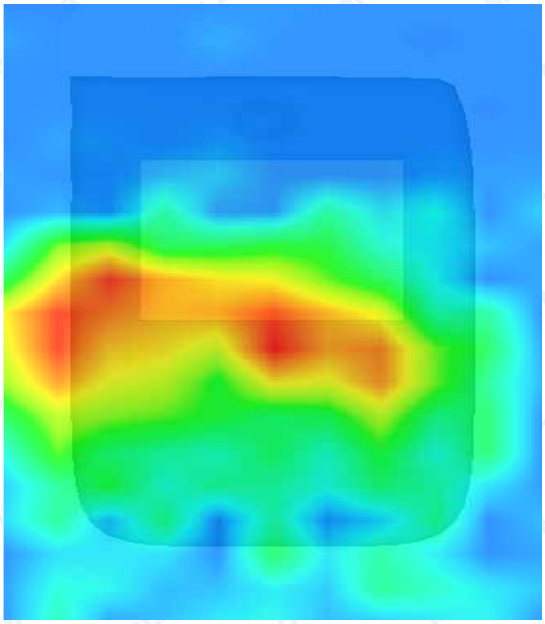
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=1.00, Y=-7.00**
**SAR Peak: 0.17 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.017751 |
| **SAR 1g (W/Kg)** | 0.049824 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 124 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 29 seconds

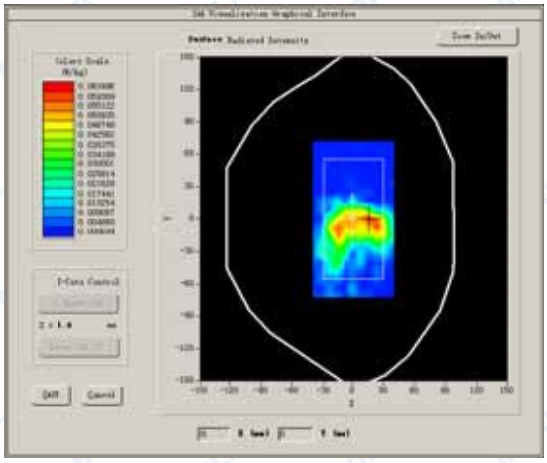
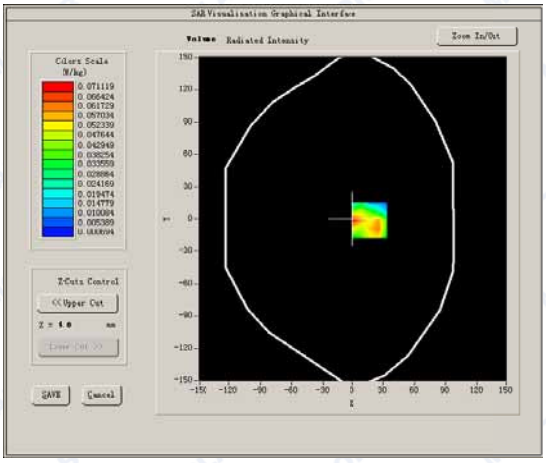
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | 802.11b |
| **Channels** | Middle |
| **Signal** | DSSS |

## B. SAR Measurement Results

Middle Band SAR (Channel 1)

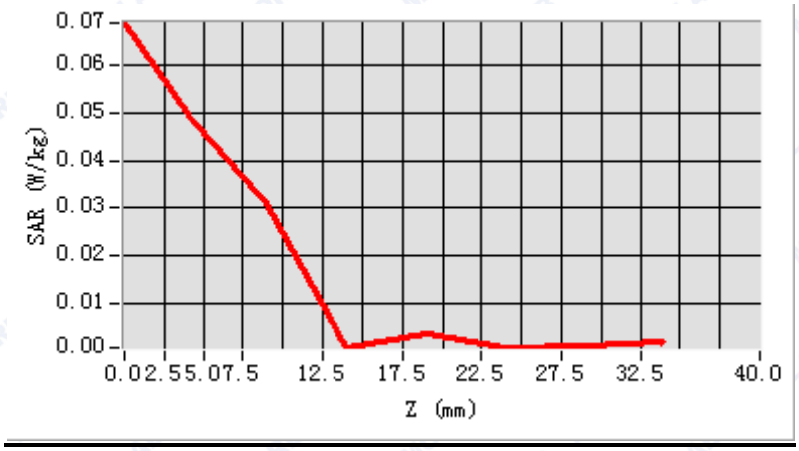
| | |
|---|---|
| **Frequency (MHz)** | 2412.000000 |
| **Relative permittivity (real part)** | 52.519342 |
| **Conductivity (S/m)** | 1.935672 |
| **Power drift (%)** | -2.360000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 4.96 |
| **Crest factor:** | 1:1 |

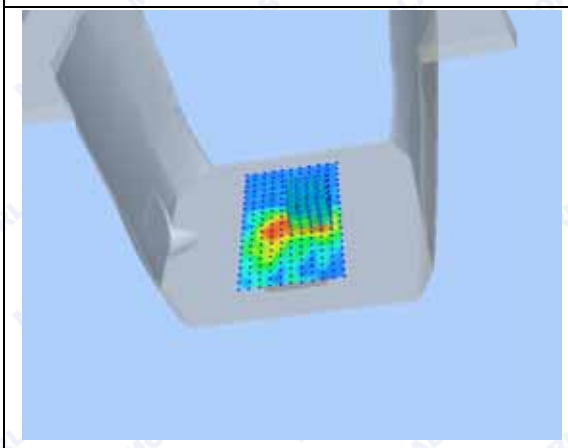
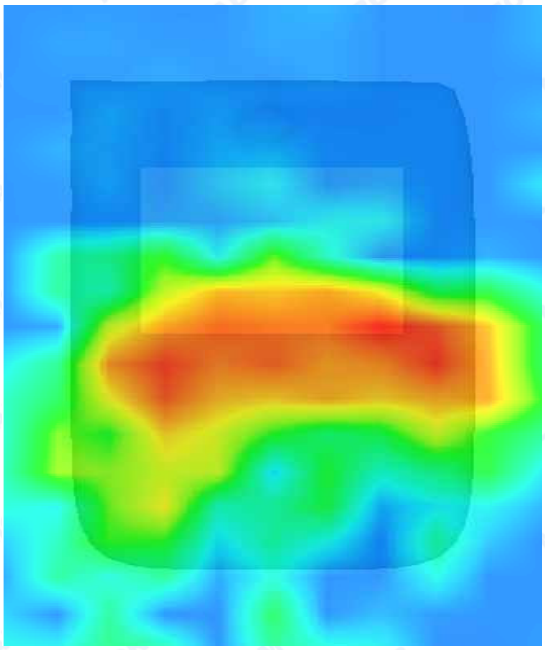
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=17.00, Y=-1.00**
**SAR Peak: 0.18 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.013521 |
| **SAR 1g (W/Kg)** | 0.042652 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 125 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 31 seconds

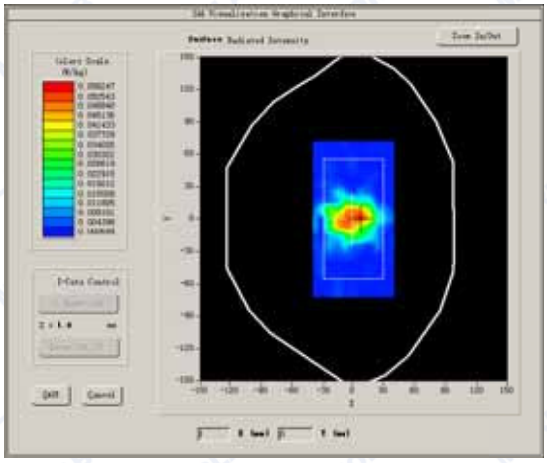
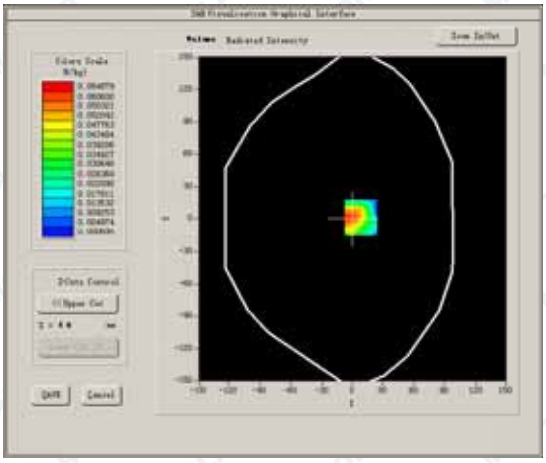
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | 802.11b |
| **Channels** | Middle |
| **Signal** | DSSS |

## B. SAR Measurement Results

Middle Band SAR (Channel 1)

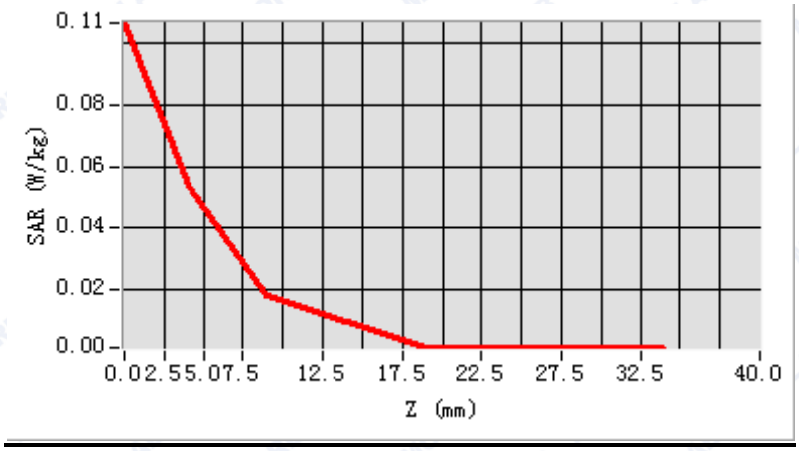
| | |
|---|---|
| **Frequency (MHz)** | 2412.000000 |
| **Relative permittivity (real part)** | 52.519342 |
| **Conductivity (S/m)** | 1.935672 |
| **Power drift (%)** | -2.740000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 4.96 |
| **Crest factor:** | 1:1 |

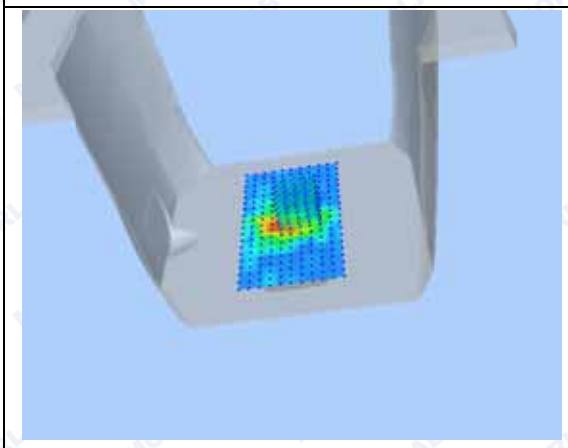
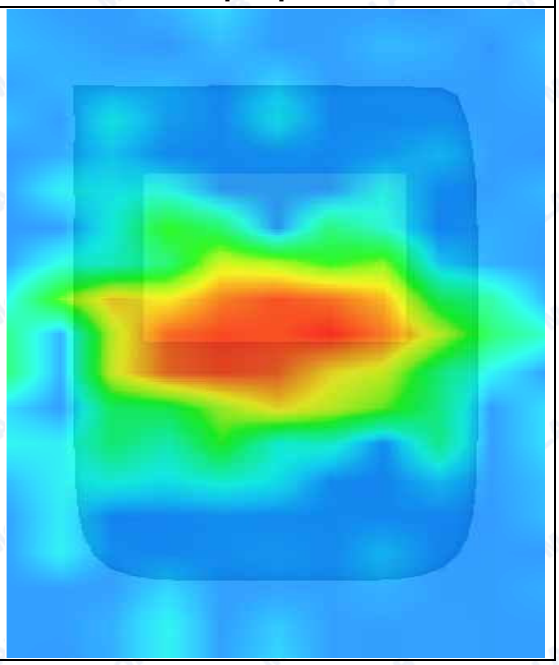
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=8.00, Y=1.00**
**SAR Peak: 0.14 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.055639 |
| **SAR 1g (W/Kg)** | 0.105216 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |

| MEASUREMENT 126 |
|---|

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=5mm, dy=5mm, dz=5mm

Date of measurement: 2016.03.28

Measurement duration: 9 minutes 31 seconds

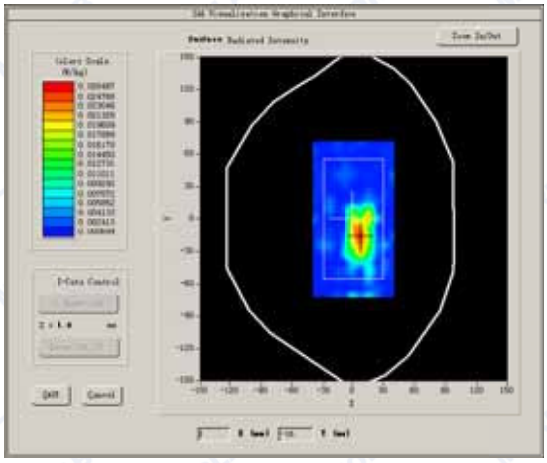
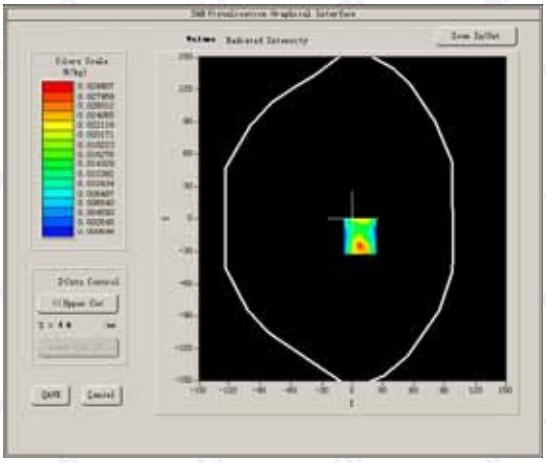
## A. Experimental conditions.

| | |
|---|---|
| **Phantom File** | surf_sam_plan.txt |
| **Phantom** | Validation plane |
| **Device Position** | Body |
| **Band** | 802.11b |
| **Channels** | Middle |
| **Signal** | DSSS |

## B. SAR Measurement Results

Middle Band SAR (Channel 1)

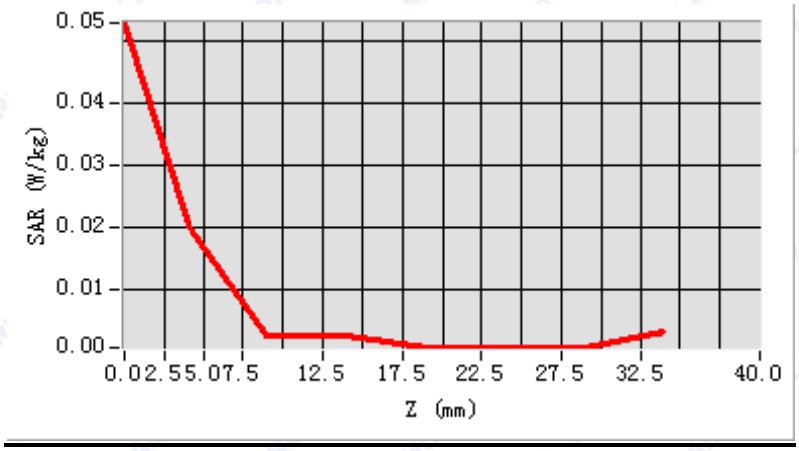
| | |
|---|---|
| **Frequency (MHz)** | 2412.000000 |
| **Relative permittivity (real part)** | 52.519342 |
| **Conductivity (S/m)** | 1.935672 |
| **Power drift (%)** | 3.340000 |
| **Ambient Temperature:** | 22.9°C |
| **Liquid Temperature:** | 22.1°C |
| **ConvF:** | 4.96 |
| **Crest factor:** | 1:1 |

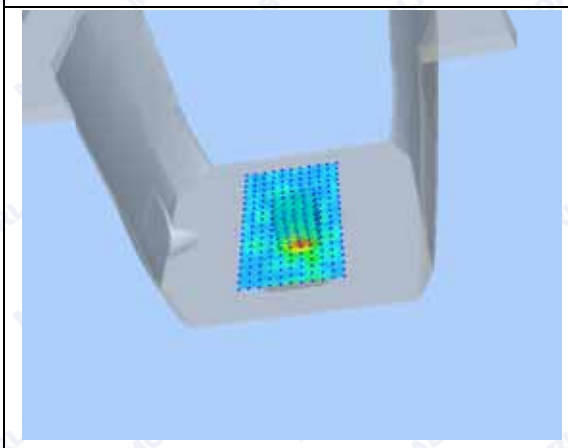
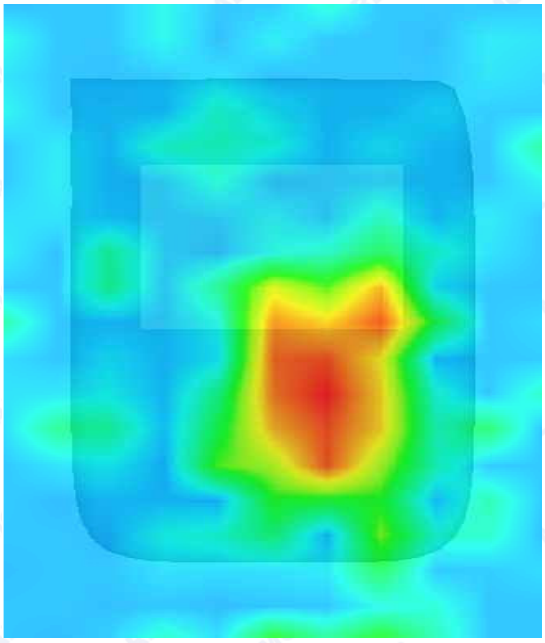
| SURFACE SAR | VOLUME SAR |
|---|---|
|  |  |

**Maximum location: X=7.00, Y=-16.00**
**SAR Peak: 0.07 W/kg**

| | |
|---|---|
| **SAR 10g (W/Kg)** | 0.011438 |
| **SAR 1g (W/Kg)** | 0.046182 |

**Z axis scan**




| 3D screen shot | Hot spot position |
|---|---|
|  |  |